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March 14, 2025

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

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

Dear Ms. Caron,

Enclosed for your review is the *Third 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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Third Quarter 2024 Groundwater Monitoring Report

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



Submitted to:
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Toxics Cleanup Program
Department of Ecology
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Prepared for:
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Sign-off Sheet

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Acronyms / Abbreviations

1,2-DCP	1,2-dichloropropane
2,4-D	2,4-dichlorophenoxyacetic acid
3Q24	Third Quarter 2024
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 Third Quarter 2024 (3Q24) 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; Ecology 2013).

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 3Q24 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 3Q24 semi-annual groundwater monitoring event was completed September 23 through 26, 2024. A summary of the 3Q24 semi-annual groundwater monitoring event conclusions and recommendations follows:

- The 3Q24 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 elevations were measured at historical lows in several off-property wells,

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including wells MW-9, MW-14 through MW-17, MW-19, MW-20, MW-21, MW-23, and MW-24; groundwater elevations at the remaining wells were consistent with historical ranges. Groundwater flow direction and hydraulic gradients were consistent with historical data.

- 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 3Q24 sampling event, Site groundwater remained under or has returned to MNA conditions in all but two wells: MW-5R and MW-23. EISB conditions remain consistent at MW-5R, while groundwater appears to be transitioning out of EISB conditions at MW-23. The indicator hazardous substance (IHS) concentration data also support these observations.
- In comparing iso-concentrations from the First Quarter 2020 Phase I pre-treatment sampling event to 3Q24 post-Phase II EISB iso-concentrations (**Figures 4 through 7**) and considering trends:
 - The nitrate plume footprint increased overall, however the area of the plume with concentrations above 100 milligrams per liter (mg/L) decreased.
 - The overall dinoseb plume size has decreased, and wells within the plume generally display decreasing trends in concentration.
 - There was no significant change in the 1,2-dichloropropane (1,2-DCP) plume extent and the 1,2-DCP concentrations generally indicate stable trends.
 - 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 23 monitoring wells during this event: MW-1, MW-3, MW-4R, MW-5R, MW-6 through MW-11, MW-12R, and MW-13 through MW-24. 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 3Q24 groundwater monitoring event, as illustrated on **Figure 3**. Depth to groundwater ranged from 6.63 feet below TOC in well MW-11 to 13.61 feet below TOC in well MW-18. The groundwater elevation ranged from 731.17 feet above mean sea level (MSL) at well MW-20 to 739.03 feet above MSL at well MW-11. Groundwater elevations were measured at historical lows in several off-property wells, including wells MW-9, MW-14 through MW-17, MW-19, MW-20, MW-21, MW-23, and MW-24; groundwater elevations at the remaining wells were consistent with historical ranges.

The 3Q24 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 3Q24 monitoring event ranged from approximately 0.004 to 0.025 feet per foot (ft/ft), with an average hydraulic gradient of approximately 0.010 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 percent [%])
- 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-1, MW-10, MW-12R, and MW-24, where DO, ORP, or temperature 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 3Q24 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 cleanup levels (CULs), when applicable. Analytical laboratory reports are included in **Appendix B**.

As stated in Section 2.1.3, the 3Q24 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 3Q24 post-EISB 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.

- Nitrate concentrations ranging from 12 mg/L to 380 mg/L were detected in groundwater samples collected from twelve wells (MW-3, MW-4R, MW-8, MW-9, MW-12R, MW-13, MW-15, MW-16, MW-19, MW-21, MW-23, and MW-24) above the CUL of 10 mg/L. Nitrate concentrations were within historical limits except for historical highs at MW-15 and MW-18.
- Nitrite concentrations of 1.3 mg/L and 3.2 mg/L were detected in groundwater samples collected from two wells (MW-16 and MW-23, respectively) above the CUL of 1 mg/L. Nitrite concentrations were within historical limits except for a historical high in MW-14.
- 1,2-DCP concentrations ranging from 0.0067 mg/L to 1.3 mg/L were detected in groundwater samples collected from seven wells (MW-4R, 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.
- Dinoseb concentrations ranging from 0.013 J (estimated) mg/L to 1.1 J mg/L were detected in groundwater samples collected from six wells (MW-3, MW-4R, MW-9, MW-12R, MW-16, and MW-23) above the CUL of 0.007 mg/L, where analyzed. Dinoseb concentrations were within historical limits except for a historical high in MW-19.

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- Total arsenic concentrations ranging from 0.010 mg/L to 0.19 mg/L were detected in groundwater samples collected from 16 wells (MW-1, MW-4R, MW-5R, MW-6, 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 and MW-16.
- A benzene concentration of 0.014 J 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 0.20 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 ranging from 0.92 mg/L to 3.2 mg/L were detected in the groundwater samples collected from six wells (MW-3, MW-11, MW-12R, MW-13, MW-21, and MW-22) above the CUL of 0.75 mg/L, where analyzed. The total manganese concentrations were within historical limits except for historical lows at MW-8 and MW-16 and a historical high at MW-13.

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 total iron historical low at MW-16.

3.1.2 Monitoring Parameter Results

The following is a summary of the 3Q24 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.

- Biochemical oxygen demand (BOD) was detected in groundwater samples from four Site wells, where analyzed, at concentrations ranging from 3.8 J mg/L (MW-23) to 18 J mg/L (MW-9). BOD concentrations were within historical limits except for historical highs at wells MW-6 and MW-9.
- Dissolved iron was detected in groundwater samples from nine Site wells, where analyzed, at concentrations ranging from 0.023 J mg/L (MW-9) to 2.4 mg/L (MW-5R). Dissolved iron concentrations were within historical limits.

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- Sulfate was detected in groundwater samples from the 16 Site wells where it was analyzed, at concentrations ranging from 37 mg/L (MW-1) to 620 mg/L (MW-12R). Sulfate concentrations were within historical limits except for a historical low at MW-8.
- Alkalinity was measured in groundwater samples from the 16 Site wells where it was analyzed, at concentrations ranging from 210 mg/L (MW-11 and MW-24) to 2,300 mg/L (MW-5R). Alkalinity concentrations were within historical limits.
- Ammonia was detected in groundwater samples from nine Site wells, where analyzed, at concentrations ranging from 0.054 J mg/L (MW-13) to 300 mg/L (MW-9). Ammonia concentrations were within historical limits.
- Phosphorus was detected in groundwater samples from 11 Site wells, where analyzed, at concentrations ranging from 0.055 J mg/L (MW-24) to 2.6 mg/L (MW-3). Phosphorus concentrations were within historical limits except for a historical low at MW-11.

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 laboratory reports underwent data validation, and additional qualifiers and details are described in the Analytical Validation Checklist in **Appendix B**.

Two field duplicate samples (MW-7-WD-240923 from well MW-7 and MW-14-WD-240925 from well MW-14) 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**.

Equation 1

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

Where: RPD = Relative Percent Difference

S = First Sample Value (original)

D = Second Sample Value (duplicate)

The average RPD was 30.64%. This elevated RPD is due to a detection of arsenic in the duplicate sample from MW-14, but not in the original sample. RPDs calculated for other analytes excluding arsenic at MW-14 averaged 4.68%, 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-240923, EB-1-W-240924, EB-1-W-240925, and EB-1-W-240926) were collected following decontamination of the non-dedicated sampling equipment (i.e., water level indicator) after sampling of wells MW-7, MW-17, MW-14, and MW-8, respectively, and submitted for laboratory analysis. There were no detections in any of these equipment blanks.

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A DI water blank (WB-1-W-240925) was collected to assess the DI water as a source for any contaminants found in field equipment blank analysis. In the water blank, alkalinity was detected at a concentration of 2.6 J mg/L. Alkalinity was not detected in any equipment blank analyses. Therefore, equipment decontamination is evaluated as sufficient.

Three trip blanks were submitted for VOC analysis in association with groundwater samples. There was a detection of acetone at a concentration of 1.0 J mg/L in TB-1-W-240926. Acetone is a common laboratory contaminant and aside from this sample there were no detections in other 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 3Q24 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 3Q24 analytical results (**Table 2**) to the calculated threshold concentrations (**Table 3**), two wells yielded data consistent with EISB conditions during 3Q24: MW-5R and MW-23. At well MW-5R, three EISB monitoring parameters (alkalinity, dissolved iron, and sulfate at a concentrations of 2,300 mg/L, 2.4 mg/L, and 86 mg/L, respectively) were outside of the threshold concentrations (366 mg/L, 1.9 mg/L, and 195 mg/L, respectively); all three parameters have been outside of the threshold concentrations for the majority of the past sampling events, with alkalinity concentrations outside of the threshold concentration consecutively for 14 sampling events since 3Q20, and sulfate concentrations outside of the threshold concentrations for all but one of those events. At well MW-23, one EISB monitoring parameter (alkalinity at a concentration of 2,100 mg/L) was outside of the threshold concentration (711 mg/L) following a trend of alkalinity concentrations outside of the threshold concentration (consecutively for four sampling events since 3Q23).

At well MW-13, two EISB monitoring parameters (alkalinity and sulfate at concentrations of 280 mg/L, and 91 mg/L, respectively) were outside of the threshold concentrations (262.8 mg/L and 102.8 mg/L, respectively). However, recent sulfate and alkalinity concentrations at MW-13 since 1Q23 are stable and within 20% of the pre-treatment concentrations, which are not strong indicators of EISB occurring; therefore, these results are not considered as indicating EISB conditions. Well MW-19 had a dissolved iron concentration (2.3 mg/L) outside of the threshold concentration (1.9 mg/L); as this is the only parameter measured outside of its threshold concentration and only the first measurement outside of the threshold concentration, this well is not considered to be under EISB conditions.

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For the 3Q24 event, the following monitoring wells had BOD, dissolved iron, sulfate, and alkalinity concentrations within threshold concentrations that were consistent with MNA conditions: MW-1, MW-3, MW-4R, MW-6, MW-8, MW-9, MW-11, MW-12R, MW-16, 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 3Q24 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 and 3Q24 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-12R (380 mg/L) during the 3Q24 event. Source area wells MW-3, MW-4R, and MW-8 and down-gradient wells MW-9, MW-13, MW-15, MW-16, MW-19, MW-21, MW-23, and MW-24 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-17, MW-18, MW-20, and MW-22 define the Site nitrate plume to the east and west.

As shown in Figure D-1 in **Appendix D**, the nitrate plume size has increased overall since 1Q20, specifically in the east and south directions, with the area within the 10 mg/L contour increasing by approximately 21.4%. However, nitrate concentrations have decreased and the area within the 100 mg/L contour in 3Q24 is approximately 16.5% smaller when compared to 1Q20.

As shown on **Figure 5**, the maximum dinoseb concentration was observed in well MW-12R (1.1 J mg/L). Source area wells MW-3 and MW-4R and down-gradient wells MW-9, MW-16, and MW-23 also had dinoseb concentrations above the CUL of 0.007 mg/L. Dinoseb concentrations in down-gradient, cross-gradient, and up-gradient wells MW-5R, MW-13, MW-15, MW-19, MW-21, and 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 3Q24 dinoseb plume area was approximately 21.6% smaller when compared to 1Q20 pre-treatment conditions.

As shown in **Figure 6**, the maximum 1,2-DCP concentration was observed in well MW-12R (1.3 mg/L). Source area well MW-4R and down-gradient wells MW-9, MW-16, MW-19, MW-23, and MW-24 also had 1,2-DCP concentrations above the CUL of 0.005 mg/L. 1,2-DCP concentrations

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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 3Q24, and the change in plume size was approximately 9.1% larger in 3Q24. However, 1,2-DCP concentrations have shown some decreases in the source area and down-gradient, and the area within the 0.5 mg/L contour in 3Q24 is approximately 45.6% smaller when compared to 1Q20.

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 3Q24 was in well MW-5R (0.19 mg/L). 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-5R, MW-6, 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-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 3Q24 arsenic plume area was approximately 39.4% 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 3Q24 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 (i.e., MW-5R and MW-23) 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

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gap greater than 3 years in the historical data; generally, this includes a data range from 1Q16 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 3Q24 monitoring event, excluding any wells that indicated EISB conditions (MW-5R and MW-23). 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 3Q24 indicate stable or decreasing trends within the plume. Nitrate concentrations exceeded the CUL at 12 of the 23 well locations (MW-3, MW-4R, MW-8, MW-9, MW-12R, MW-13, MW-15, MW-16, MW-19, MW-21, MW-23, and MW-24; as shown on **Figure 4**); well MW-23 is under EISB conditions and trends were not calculated. Nitrate concentrations in seven wells within the nitrate plume (MW-3, MW-9, MW-12R, MW-15, MW-16, MW-19, and MW-24) indicate stable trends and four wells within the nitrate plume (MW-4R, MW-8, MW-13, and MW-21) indicate decreasing trends (**Table 4**).
- **Nitrite:** Nitrite concentrations exceeded the CUL at two of the 23 well locations (MW-16 and MW-23); well MW-23 is under EISB conditions and trends were not calculated. The nitrite concentrations at well MW-16 indicate a decreasing trend within the plume.
- **Dinoseb:** Collectively, dinoseb concentrations through 3Q24 indicate a decreasing trend in the source area. Dinoseb concentrations exceeded the CUL at six of the 13 well locations where it was analyzed (MW-3, MW-4R, MW-9, MW-12R, MW-16, and MW-23; as shown on **Figure 5**); well MW-23 is under EISB conditions and trends were not calculated. Dinoseb concentrations in four wells within the dinoseb plume (MW-3, MW-4R, MW-9, and MW-12R) indicate decreasing trends (**Table 4**). Dinoseb concentrations at well MW-16 indicate an increasing trend in the down-gradient portion of the plume.
- **1,2-DCP:** Collectively, the 1,2-DCP concentrations through 3Q24 indicate generally stable trends. 1,2-DCP concentrations exceeded the CUL at seven of the 13 well locations where it was analyzed (MW-4R, MW-9, MW-12R, MW-16, MW-19, MW-23, and MW-24; as shown on **Figure 6**); well MW-23 is under EISB conditions and trends were not calculated. 1,2-DCP concentrations at four wells (MW-4R, MW-12R, MW-19, and MW-24) indicate stable trends in the northern, eastern, and southern portion of the plume (**Table 4**). 1,2-DCP concentrations at well MW-16 indicate a decreasing trend, while the trend at well MW-9 is increasing.

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- **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 3Q24 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-6, MW-7, MW-8, MW-13, MW-15, and MW-20 (**Table 4**). Concentrations at wells MW-1 and MW-17 indicate increasing trends. The trend at well MW-23 was 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 0.0347 mg/L was calculated for 3Q24 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 five wells.
- **Total Manganese:** Total manganese concentrations exceeded the CUL at six of the 23 well locations (MW-3, MW-11, MW-12R, MW-13, MW-21, and MW-22) where it was analyzed. The total manganese concentrations at five wells (MW-3, MW-12R, MW-13, MW-21, and MW-22) indicate a stable trend. The trend at MW-11 is considered undetermined.

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 3Q24 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 two wells: MW-5R and MW-23. EISB conditions remain consistent at MW-5R, based on the 3Q24 nitrate concentration below the reporting limit and an increased arsenic concentration; however, the groundwater appears to be transitioning out of EISB conditions at MW-23, with only one EISB monitoring parameter remaining outside the calculated threshold concentrations (alkalinity). The IHS data support this observed transition; although EISB conditions have been indicated at well MW-23, as demonstrated by nitrate concentrations below reporting limits and elevated concentrations of metals (e.g., total manganese) in 3Q23, increasing nitrate concentrations and decreasing metals concentrations have been observed at this well over the last few sampling events.

Comparison of iso-concentrations from the 1Q20 Phase I pre-treatment sampling event to the 3Q24 post-Phase II EISB sampling event and considering trends, the nitrate plume footprint increased overall, however the area of the plume with concentrations above 100 mg/L decreased. It should be noted that nitrate concentration increases of more than 200% were observed between the 1Q24 and 3Q24 sampling events in several down-gradient wells (e.g., MW-9, MW-14, MW-15, MW-19, and MW-24) that also had groundwater elevations measured at historical lows. The low groundwater table may have influenced the nitrate concentrations measured during 3Q24, and this trend will be further evaluated during future sampling events.

The overall dinoseb plume size has decreased, and wells within the plume generally display decreasing trends in concentration. There was no significant change in the 1,2-DCP plume extent and the 1,2-DCP concentrations generally indicate stable trends. 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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6.0 References

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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
	3Q24	09/23/24	749.45	12.30	737.15

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
	3Q24	09/23/24	744.52	7.70	736.82

Table 1
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 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
	3Q24	09/23/24	745.52	8.77	736.75

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-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
	3Q24	09/23/24	745.47	8.40	737.07

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
	3Q24	09/23/24	745.35	7.33	738.02

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
	3Q24	09/23/24	748.27	11.33	736.94

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
	3Q24	09/23/24	744.88	7.67	737.21

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
	3Q24	09/23/24	744.77	8.74	736.03

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
	3Q24	09/23/24	745.95	7.11	738.84

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
	3Q24	09/23/24	745.66	6.63	739.03

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
	3Q24	09/23/24	745.11	8.84	736.27

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
	3Q24	09/23/24	744.38	9.94	734.44

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
	3Q24	09/23/24	744.98	8.39	736.59
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
	3Q24	09/23/24	746.37	11.90	734.47

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
MW-17	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
	3Q24	09/23/24	744.93	9.60	735.33
	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
	3Q24	09/23/24	745.44	11.15	734.29

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-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
	3Q24	09/23/24	744.98	13.61	731.37
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
	3Q24	09/23/24	743.07	8.87	734.20

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
	3Q24	09/23/24	744.10	12.93	731.17
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
	3Q24	09/23/24	744.81	8.66	736.15
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
	3Q24	09/23/24	745.20	7.79	737.41

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
	3Q24	09/23/24	745.29	10.07	735.22
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
	3Q24	09/23/24	744.62	9.64	734.98

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	EPA 350.1	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	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	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	
09/23/24	9.0	<0.015	0.011	--	--	--	--	--	--	--	<2.0	<0.021	37	240	--	--	16.3	7.86	538	0.85	180.6	6.54		
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
	09/26/24	240	0.033 J	0.0096	0.023 J	1.1	<0.00027	0.013 J	<0.0003	0.0069	0.0011	<0.002	14 J	<0.021	120	230	190	2.6	16.9	7.78	2462	0.51	151.0	1.40
	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
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
09/26/24		180	0.073	0.013	0.073	0.35	<0.00028	0.034 J	<0.0003	<0.0003	0.0067	<0.002	<2.0	<0.021	180	350	250	0.28	20.2	7.38	2796	0.47	35.7	5.04

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	EPA 350.1	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	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		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-5R	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	
	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	<0.0002	<0.002	60 H	4.6	35	4,100	42	0.71	13.2	7.25	6029	0.30	-154.7	143	
	05/12/21	<0.040	0.055	0.18	16	0.97	<0.00025	0.0004 J	<0.0002	<0.0002	<0.0002	<0.002	200 H	17	8.2	4,600	90	1.3	16.6	7.73	6398	0.38	-182.7	187	
	09/17/21	0.20	0.10 H	0.23	4.7	0.14	<0.00025	<0.00028	<0.0015	<0.0015	<0.0015	<0.01	42	4.5	3.6 J	3,700	67	1.1	18.4	7.65	5384	0.44	-197.7	71.6	
	03/31/22	<0.040	0.094 H	0.15	2.3	0.091	<0.00025	<0.00028	<0.0015	<0.0015	<0.0015	<0.01	14	1.7	39	3,200	56	0.75	14.6	7.49	4707	0.69	71.3	60.4	
	07/14/22	0.26	<0.015	0.16	3.8	0.094	<0.00028	<0.00031	<0.0015	<0.0015	<0.0015	<0.01	9.3	3.0	180	2,600	60	0.53	20.2	7.74	4551	0.49	-124.5	58.9	
	12/06/22	0.68	0.016 J	0.18	2.5	0.43	<0.00024	<0.00027	<0.0015	<0.0015	<0.0015	<0.01	69	1.2	4.7 J	5,500	20 J	9.6	12.3	7.77	7049	3.45	-146.9	110	
	03/09/23	0.14	0.044 J	0.097	1.9	3.4	<0.00025	<0.00028	<0.0003	<0.0003	<0.0003	<0.002	40	2.1	120	2,900	24	4.5	10.6	7.13	3719	0.40	-161.3	74.9	
	05/18/23	<0.040	<0.015	0.13	0.73	0.69	<0.00025	0.0003 J	<0.0003	0.00087 J	<0.0003	<0.002	8.8	0.44 J	160	2,100	35	2.5	15.2	7.58	3389	0.57	-85.1	40.7	
	08/24/23	<0.040	0.20	0.18	0.94	0.42	<0.00025	<0.00028	<0.003	<0.003	<0.003	<0.02	10	2.4	63	2,400	34	3.1	21.2	7.98	4260	NA*	-145.0	29.9	
	12/06/23	<0.040	<0.015 H	0.22	3.8	0.50 B	<0.00028	<0.00031	<0.003	<0.003	<0.003	<0.02	11 H	0.67	<50	2,500	44	2.0	11.9	7.77	3174	NA*	-214	59.7	
	03/14/24	3.2	1.5	0.0082	0.35	3.4	0.00063	<0.00027	<0.0003	<0.0003	<0.0003	<0.002	6.1	0.39	530	980	2.5	0.071 J	13.4	7.46	2413	2.65	-43.7	15.4	
09/26/24	<0.040	0.025 J	0.19	2.5	0.53	<0.00028	<0.00032	<0.006 J	<0.006 J	<0.006 J	<0.04 J	<20	2.4	86	2,300	35 J	1.2 J	19.8	7.66	3791	0.54	-166.2	24.3		
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	
	09/25/24	6.2	0.048 J	0.025	<0.020	0.041	--	--	--	--	--	--	11 J	0.033 J	42	220	<0.050	0.088 J	26.6	8.03	622	0.61	96.7	14.0	
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	
	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	
	09/23/24	4.6	<0.015	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16.2	7.88	432.6	3.98	273.6	9.56	
MW-8	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	
	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	
	09/26/24	16	<0.015	0.012	<0.020	0.19	--	--	--	--	--	--	<2.0	<0.021	76	280	0.59	0.089 J	19.3	7.79	729	0.56	130.9	2.82	

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	EPA 350.1	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	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		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-9	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	
	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	
	09/25/24	350	0.081	0.0074	0.15	0.078	<0.00029	0.16 J	<0.0003	0.001	0.066	<0.002	18 J	0.023 J	230	410	300	0.084 J	21.2	7.42	4677	0.48	148.1	4.11	
MW-10	03/10/20	3.7	<0.015	0.0164	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.6	8.18	443	0.31	85.2	4.57	
	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	
	03/11/24	2.8	0.11 H	0.021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.0	8.10	441.9	1.93	-71.8	5.95	
	09/23/24	6.1	0.020 J	0.016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.4	8.10	519	0.90	91.6	8.27	
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	
	09/23/24	5.4	0.032 J	0.023	0.028 J	3.2	--	--	--	--	--	--	<2.0	0.024 J	50	210	<0.050	0.057 J	22.0	7.88	568	1.75	165.2	5.68	
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	0.02	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	
	09/26/24	380	<0.015	0.010	0.053	1.4	<0.0053	1.1 J	0.014 J	0.20	1.3	<0.04	<20	<0.021	620	710	250	0.13	15.3	7.07	5654	0.95	202.0	2.65	

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	EPA 350.1	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	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-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	<2.00	<0.0412	113	254	<0.080	0.079 J	14.3	7.60	750	0.17	92.4	2.33
	09/02/20	1.0	0.97	0.023	<0.040	0.30	<0.00024	0.0022	<0.0002	<0.0002	<0.0002	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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<2.0	<0.021	92	270	<0.050	<0.050	15.2	7.70	754	2.71	65.1	4.04
	09/25/24	16	<0.015	0.013	0.023 J	0.92	<0.00027	0.0016	<0.0003	<0.0003	<0.0003	<2.0	<0.021	91	280	0.054 J	0.076 J	20.7	7.66	819	0.66	134.4	1.56
MW-14	03/11/20	3.7	0.042 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.2	7.45	803	0.12	87.5	5.49
	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	826	0.44	49.0	4.06
	03/29/22	1.7	0.033 J H	0.0072	--	--	--	--	--	--	--	--	--	--	--	--	--	12.3	7.26	707	0.75	10.5	4.37
	07/12/22	1.7	<0.015	0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	17.7	7.29	803	0.43	35.2	5.38
	03/07/23	0.63	0.022 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.8	3.37*	673	1.56	88.1*	9.27
	08/22/23	<0.040	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16.8	6.12	1277	NA*	-121.0	61.8
	03/11/24	0.21	0.098 H	0.0061	--	--	--	--	--	--	--	--	--	--	--	--	--	12.6	7.35	856	2.14	-129.1	32.5
	09/25/24	2.0	0.16	<0.00068	--	--	--	--	--	--	--	--	--	--	--	--	--	20.7	7.23	934	0.43	-63.3	14.2
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
	09/23/24	12	<0.015	0.015	--	--	<0.00028	<0.00032	<0.0003	<0.0003	<0.0003	<0.002	--	--	--	--	--	27.6	7.89	527	2.76	129.2	3.37
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	<0.002	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
	09/25/24	130	1.3	<0.00068	0.045 J	<0.00095	<0.00028	0.045	<0.0003	<0.0003	0.18	<0.002	<2.0	0.080	390	630	<0.050	21.6	7.23	2701	0.55	180.5	28.6

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	EPA 350.1	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	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-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
	09/24/24	3.7	<0.015	0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	17.6	7.91	417.4	5.34	199.6	4.28
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
	09/24/24	8.8	<0.015	0.018	--	--	--	--	--	--	--	--	--	--	--	--	--	20.2	7.64	425.6	4.00	190.9	11.9
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
	09/24/24	13	0.32	0.038	3.7	0.23	<0.00024	0.00043 J	<0.0003	<0.0003	0.016	<0.002	<2.0	2.3	75 J	220	<0.050	19.7	7.70	938	2.23	157.4	48.0
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
	09/24/24	4.0	<0.015	0.018	--	--	--	--	--	--	--	--	--	--	--	--	--	20.6	7.63	458.3	3.10	170.5	5.28

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	EPA 350.1	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	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	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-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	09/24/24	71	0.66 J	0.0027	0.042 J	2.4	<0.00030	<0.00033	<0.0003	<0.0003	0.00062 J	<0.002	<2.0	0.025 J	270	550	<0.050	<0.050	18.5	7.45	1760	0.51	165.3	2.22
	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	9.95
	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
	09/26/24	0.16	<0.015	0.0047	0.15	2.2	<0.00028	<0.00032	<0.0003	<0.0003	<0.0003	<0.002	<2.0	0.10	230	430	0.38	<0.050	17.6	7.55	1059	0.69	151.2	5.74
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
09/25/24	150	3.2	0.017	0.24	0.52	<0.00024	0.015	<0.0003 J	<0.0003 J	0.22 J	<0.002 J	3.8 J	0.084	86	2,100	0.17 J	<0.050 J	19.1	7.37	3848	0.81	202.4	6.36	

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	EPA 350.1	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		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
	09/24/24	35	0.020 J	0.0083	0.061	0.01 UB	<0.00024	0.0027 J	<0.0003	<0.0003	0.052	<0.002	<2.0	<0.021	48	210	<0.050	0.055 J	17.5	7.86	726	1.00	124.8	6.92

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
Third 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 3Q24 Concentration ² (mg/L)	Mann-Kendall Analysis Trend
MW-1	MNA	Arsenic	0.01	0.011	Increasing
MW-3	MNA	Nitrate	10	240	Stable
		Manganese	0.75	1.1	Stable
		Dinoseb	0.007	0.013	Decreasing
MW-4R	MNA	Nitrate	10	180	Decreasing ³
		Arsenic	0.01	0.013	Stable ³
		Dinoseb	0.007	0.034	Decreasing ³
		1,2-Dichloropropane	0.005	0.0067	Stable ³
MW-6	MNA	Arsenic	0.01	0.025	Stable
MW-7	-- ⁴	Arsenic	0.01	0.013	Stable
MW-8	MNA	Nitrate	10	13	Decreasing
		Arsenic	0.01	0.012	Stable
MW-9	MNA	Nitrate	10	350	Stable
		Dinoseb	0.007	0.16	Decreasing
		1,2-Dichloropropane	0.005	0.066	Increasing
MW-10	-- ⁴	Arsenic	0.01	0.016	Decreasing
MW-11	MNA	Arsenic	0.01	0.023	Decreasing
		Manganese	0.75	3.2	Undetermined ⁵
MW-12R	MNA	Nitrate	10	380	Stable ³
		Arsenic	0.01	0.010	Decreasing ³
		Dinoseb	0.007	1.1	Decreasing ³
		1,2-Dichloropropane	0.005	1.3	Stable ³
		Chlorobenzene	0.1	0.2	Stable ³
		Benzene	0.005	0.014	Stable ³
MW-13	EISB	Manganese	0.75	1.4	Stable ³
		Nitrate	10	16	Decreasing ³
		Arsenic	0.01	0.013	Stable ³
MW-15	-- ⁴	Manganese	0.75	0.92	Stable ³
		Nitrate	10	12	Stable
MW-16	MNA	Arsenic	0.01	0.015	Stable
		Nitrate	10	130	Stable
		Nitrite	1	1.3	Decreasing ³
		Dinoseb	0.007	0.045	Increasing ³
MW-17	-- ⁴	1,2-Dichloropropane	0.005	0.18	Decreasing ³
MW-18	-- ⁴	Arsenic	0.01	0.01	Increasing
MW-19	MNA	Arsenic	0.01	0.018	Decreasing
		Nitrate	10	13	Stable
		1,2-Dichloropropane	0.005	0.038	Decreasing
MW-20	-- ⁴	1,2-Dichloropropane	0.005	0.016	Stable
MW-21	MNA	Arsenic	0.01	0.018	Stable
		Nitrate	10	71	Decreasing ³
MW-22	MNA	Manganese	0.75	2.4	Stable ³
MW-24	MNA	Manganese	0.75	2.2	Stable ³
		Nitrate	10	35	Stable
MW-24	MNA	1,2-Dichloropropane	0.005	0.052	Stable

Notes:

MNA = Monitored Natural Attenuation

CUL = Cleanup Level

mg/L = Milligrams Per Liter

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

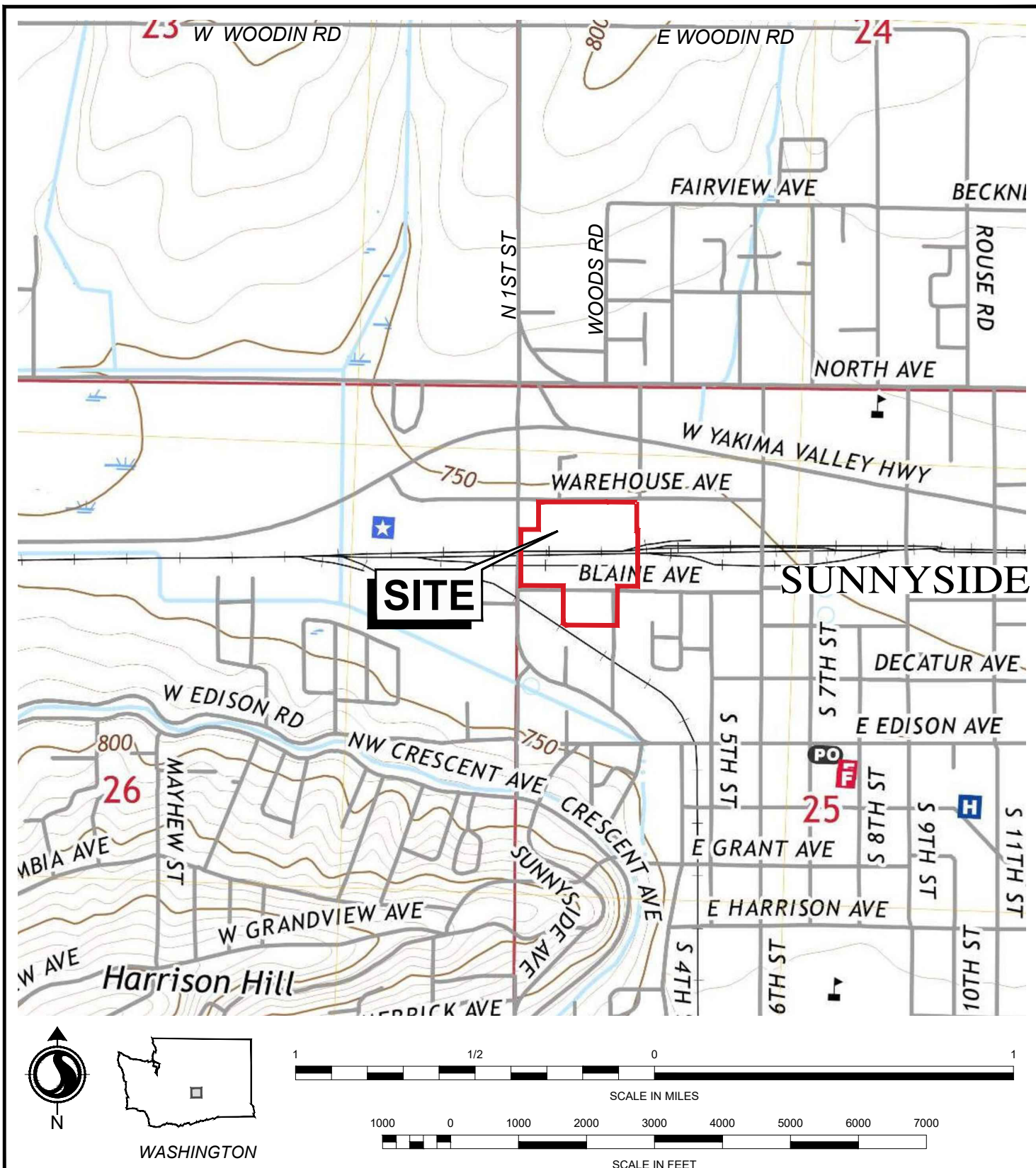
² Only IHSs that exceeded the CUL at a monitoring well are shown in this table. Trend analysis was not completed for results that were non-detect or detected concentration was below the CUL, or for wells that currently indicate enhanced in-situ bioremediation (EISB) conditions.

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.

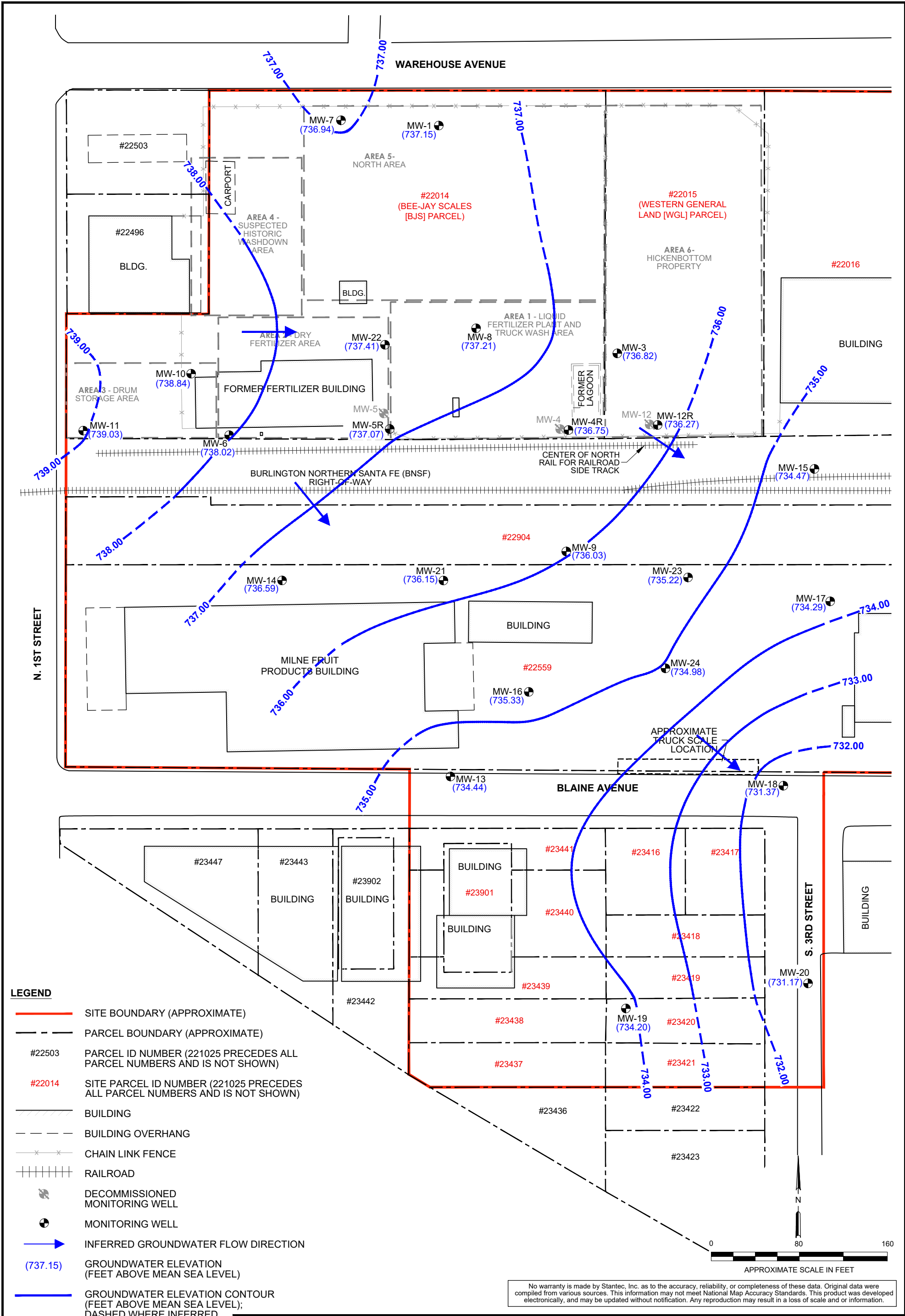
⁴ This well was not analyzed for EISB monitoring parameters.

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: 11/18/24



LEGEND

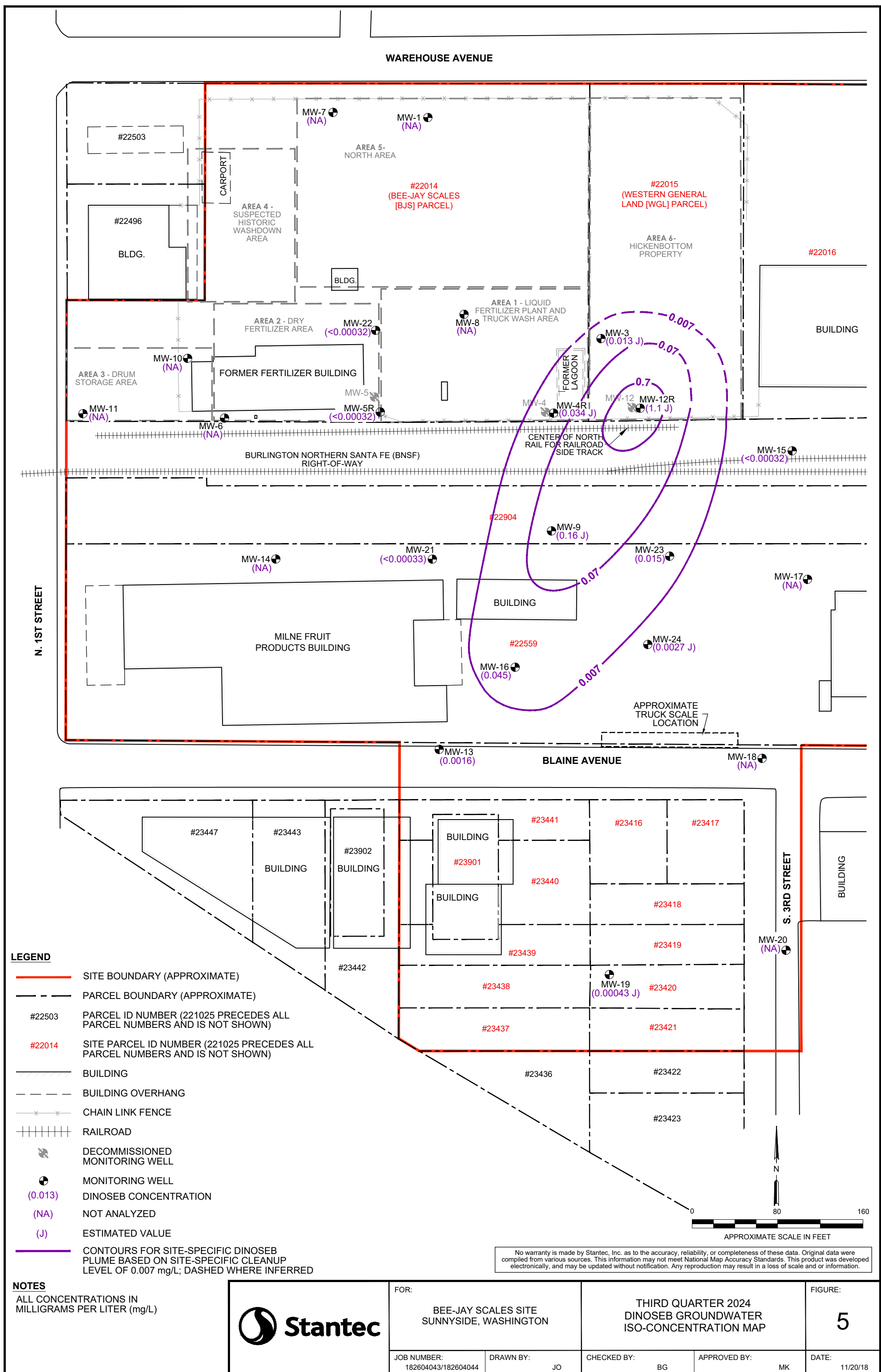
- SITE BOUNDARY (APPROXIMATE)
- PARCEL BOUNDARY (APPROXIMATE)
- PARCEL ID NUMBER (221025 PRECEDES ALL PARCEL NUMBERS AND IS NOT SHOWN)
- SITE PARCEL ID NUMBER (221025 PRECEDES ALL PARCEL NUMBERS AND IS NOT SHOWN)
- BUILDING
- BUILDING OVERHANG
- CHAIN LINK FENCE
- RAILROAD
- DECOMMISSIONED MONITORING WELL
- MONITORING WELL
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL); DASHED WHERE INFERRED

NOTES

GROUNDWATER ELEVATION DATA WERE COLLECTED ON SEPTEMBER 23, 2024
GROUNDWATER CONTOURS WERE CREATED USING SURFER VERSION 20.0



FOR: BEE-JAY SCALES SITE SUNNYSIDE, WASHINGTON		THIRD QUARTER 2024 GROUNDWATER ELEVATION CONTOUR MAP		FIGURE: 3
JOB NUMBER: 182604043/182604044	DRAWN BY: JO	CHECKED BY: BG	APPROVED BY: MK	DATE: 11/20/18



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	9/23/24	1436	745.47	6 - 16	7.66	8.40	15.15
MW-14	9/23/24	1410	744.98	6 - 16	7.74	8.39	15.70
MW-18	9/23/24	1335	744.98	6 - 16	13.51	13.61	15.60
MW-19	9/23/24	1343	743.07	6 - 16	8.36	8.87	15.58
MW-15	9/23/24	1415	746.37	6 - 16	11.48	11.90	15.75
MW-17	9/23/24	1346	745.44	6 - 16	10.69	11.15	15.64
MW-20	9/23/24	1338	744.10	6 - 16	12.73	12.93	15.50
MW-7	9/23/24	0823	748.27	6 - 16	10.59	11.30	16.10
MW-10	9/23/24	1033	745.95	8 - 18	6.42	7.11	18.30
MW-11	9/23/24	1125	745.66	8 - 18	6.04	6.63	18.00
MW-6	9/23/24	1316	745.35	6 - 16	6.62	7.33	16.23
MW-1	9/23/24	0925	749.45	N/A	11.45	12.30	22.80
MW-13	9/23/24	1327	744.38	5 - 20	9.65	9.94	18.58
MW-22	9/23/24	1433	745.20	5 - 15	6.81	7.79	14.70
MW-24	9/23/24	1430	744.62	8 - 18	9.17	9.64	17.75
MW-8	9/23/24	1442	744.88	8 - 18	6.79	7.67	17.33
MW-16	9/23/24	1330	744.93	6 - 16	9.08	9.60	15.56
MW-21	9/23/24	1403	744.81	6 - 16	8.19	8.66	15.64
MW-23	9/23/24	1352	745.29	7 - 17	9.63	10.07	17.08
MW-4R	9/23/24	1440	745.52	7 - 17	8.13	8.77	15.24
MW-9	9/23/24	1400	744.77	8 - 18	8.12	8.74	17.60
MW-12R	9/23/24	1423	745.11	7.5 - 17.5	8.44	8.84	16.64
MW-3	9/23/24	1420	744.52	N/A	6.94	7.70	18.82

* 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: 9/23/24

Start (2400hr): 0930 End (2400hr): 1000

Date Sampled: 9/23/24

Sample Time (2400hr): 1000

Sample Type: LFS

Low-Flow Used? Y

Casing Diameter:

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

Casing Volume (gallons per foot):

Depth to Bottom (ft): 22.80

Depth to Water (ft): 12.30

Water Column Height (ft): 10.50

Actual Purge Volume (gal): 1.5

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
0930	0.2	12.55	7.86	16.1	173.2	536	5.80	10.6
0935	0.1	12.49	7.85	16.2	176.6	536	4.02	7.37
0940	0.1	12.51	7.85	16.2	177.9	537	3.07	6.88
0945	0.1	12.52	7.85	16.2	178.9	538	2.11	10.8
0950	0.1	12.53	7.85	16.5	179.7	539	1.27	6.07
0955	0.1	12.54	7.86	16.6	180.3	541	0.95	3.78
10:00	0.1	12.55	7.86	16.3	180.6	538	0.85	6.54
Stabilization Criteria: ±0.1 3% ±10mV 3% 10% 10%								

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: 7.86 Temp: 16.1 ORP: 173.2 Cond: 536 DO: 5.80

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

0.01 1.8%
0.9mV
0.6%
cm

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	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?: Y

Well Integrity: Good

Well Tag: No

Notes: DO failed to stabilize

Sampled By: Gavin Rorie

Signature: Gavin Rorie



LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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

Well ID: MW-3
Lab: Eurofins
Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 9-26-21
Date Sampled: 9-26-21
Sample Type: GW

Start (2400hr): 0745 End (2400hr): 0800
Sample Time (2400hr): 0800
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): 10.82
Depth to Water (ft): 7.68
Water Column Height (ft): 11.14

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)
0750	0.2	8.02	7.80	16.9	151.7	2449	0.65	1.14
0755	0.2	8.10	7.79	16.9	151.8	2462	0.56	2.64
0800	0.2	8.16	7.78	16.9	151.0	2462	0.51	1.40

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: 0.02

Temp: 0

ORP: 0.8

Cond: 0.5%

DO: 0.4

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

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

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

Well Pad Condition: poor

Well Vault Condition: ok

Well Integrity: ok

Well Casing Condition: ok

Seal Present?: Yes Bolts Present?: no

Well Tag: 20

Notes:

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: MW-4R
 Lab: Eurofins
 Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 9.26.24
 Date Sampled: 9.26.24
 Sample Type: GW

Start (2400hr): 1105 End (2400hr): 1120
 Sample Time (2400hr): 1125
 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): 17.00
 Depth to Water (ft): 8.85
 Water Column Height (ft): 8.15

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)
1110	0.2	9.14	7.39	20.1	38.8	2803	0.60	5.92
1115	0.2	9.34	7.37	20.1	35.6	2801	0.51	5.01
1120	0.2	9.49	7.38	20.2	35.7	2796	0.47	5.04

Stabilization Criteria: ±0.1 3% ±10mV 3% 10% 10%
 Calculated Variance of Final Three Samples
 pH: 0.02 Temp: 1% ORP: 3 mV Cond: <1% DO: OK

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	7 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: OK Well Casing Condition: OK
 Well Vault Condition: OK Seal Present?: Yes Bolts Present?: NO
 Well Integrity: OK Well Tag: Yes

Notes:

Sampled By: Dana Hutchins Signature: Dana Hutchins

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: 9/26/24
 Date Sampled: 9/26/24
 Sample Type: LFS

 Start (2400hr): 035 End (2400hr): 1050
 Sample Time (2400hr): 1050
 Low-Flow Used? Yes

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

 Depth to Bottom (ft): 15.15
 Depth to Water (ft): 8.51
 Water Column Height (ft): 6.64

 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)
1035	0.2	8.51	7.67	18.1	-124.5	3631	1.31	26.7
1040	0.1	8.85	7.67	19.1	-163.0	3707	0.77	25.7
1045	0.1	9.00	7.67	19.5	-164.6	3758	0.62	22.8
1050	0.1	9.15	7.66	19.8	-166.2	3791	0.54	24.3

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

Calculated Variance of Final Three Samples

 pH: 7.67 Temp: 19.1 ORP: -163.0 Cond: 3707 DO: 0.77
 Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3' 0.01 *3.5% 3.2mV 22% 0.4

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: Field filter used on total metals* syn is heating up
flow through cell. water has a red/green color

 Sampled By: Gavin Rorie

 Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MWG

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

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

Date Purged: 9/15/24

Start (2400hr): 1250 End (2400hr): 1305

Date Sampled: 9/25/24

Sample Time (2400hr): 1305

Sample Type: RO LFS

Low-Flow Used? Yes

Casing Diameter:

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

Casing Volume (gallons per foot):

Depth to Bottom (ft): 16.23

Depth to Water (ft): 7.29

Water Column Height (ft): 8.94

Actual Purge Volume (gal): 1.5

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
1250	0.2	7.29	7.78	22.4	131.8	585	1.19	52.8
1255	0.2	7.40	7.99	25.5	104.5	615	0.74	22.8
1300	0.1	7.45	8.00	25.9	95.8	618	0.71	17.0
1305	0.1	7.45	8.03	26.6	96.7	622	0.61	14.0

Stabilization Criteria:

Calculated Variance of Final Three Samples

±0.1

3%

±10mV

3%

10%

10%

pH: 7.78

Temp: 22.4

ORP: 131.8

Cond: 585

DO: 1.19

Turb: 52.8

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

0.04
* 4.1%
8.8mV
1.1%
0.4

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?: N

Well Integrity: Good

Well Tag:

Notes:

Filter used on total metals
* Low flow cell heating up in sun

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

 Well ID: MW7

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

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

 Date Purged: 9/23/24

 Start (2400hr): 0830 End (2400hr): 0855

 Date Sampled: 9/23/24

 Sample Time (2400hr): 0855

 Sample Type: LF5

 Low-Flow Used? Yes

Casing Diameter:

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

Casing Volume (gallons per foot):

 Depth to Bottom (ft): 16.10

 Depth to Water (ft): 11.33

 Water Column Height (ft): 4.77

 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)
0830	0.2	11.33	7.12	16.1	263.2	429.8	6.69	8.55
0835	0.1	11.55	7.83	16.0	272.4	430.6	5.33	7.72
0840	0.1	11.66	7.89	16.1	273.1	432.0	4.57	8.39
0845	0.1	11.75	7.85	16.0	273.2	433.0	4.21	9.74
0850	0.1	11.75	7.87	16.2	273.4	432.7	4.05	9.83
0855	0.1	11.75	7.88	16.2	273.6	432.6	3.98	9.56
0900	0.1							

Stabilization Criteria:

±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

 pH: ~~7.12~~ Temp: ~~16.1~~ ORP: ~~263.2~~ Cond: ~~429.8~~ DO: ~~6.69~~

 Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'
 0.03 1.2% 0.4 0.9% 5.4%

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

3x2 6

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: no

 Notes: Duplicate @ 0900

 Sampled By: Gavin Rorie

 Signature: [Signature]

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: 9-26-24

Start (2400hr): 0925 End (2400hr): 0945

Date Sampled: 9-26-24

Sample Time (2400hr): 0945

Sample Type: GW

Low-Flow Used? YES

Casing Diameter:

2" 6 3" 4 4" 6
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 18.00

Depth to Water (ft): 7.66

Water Column Height (ft): 10.44

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)
0930	0.2	7.80	7.81	19.2	147.7	745	0.58	2.58
0935	0.2	7.83	7.81	19.3	140.7	736	0.54	2.55
0940	0.2	7.85	7.81	19.2	134.0	730	0.52	2.82
0945	0.2	7.88	7.79	19.3	130.9	729	0.56	0.9

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

Calculated Variance of Final Three Samples

pH: 0.02 Temp: 0.5% ORP: 9.8 Cond: 1% DO: ok

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	1			

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: no

Notes: Also collected EB-1-W-240926 @ 1000

Sampled By: Dana Hutchins

Signature: Dana Hutchins

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW-9

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

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

Date Purged: 9-25-24
Date Sampled: 9-25-24
Sample Type: GW

Start (2400hr): 1320 End (2400hr): 1340
Sample Time (2400hr): 1345
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): 18.00
Depth to Water (ft): 8.67
Water Column Height (ft): 9.33

Actual Purge Volume (gal): 1.5

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
1325	0.3	8.82	7.32	20.7	167.9	4736	0.80	5.28
1330	0.25	8.86	7.37	20.9	155.5	4708	0.57	2.76
1335	0.25	8.89	7.39	21.0	151.4	4687	0.49	2.44
1340	0.25	8.91	7.42	21.2	148.1	4677	0.48	4.11

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

Calculated Variance of Final Three Samples

pH: 0.05 Temp: 1.4% ORP: 7.4 Cond: <1% DO: OK

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

Bottle Type	Amount & Volume	Preservative	Filter	Other
Amber Glass	2 1L	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 OK
Well Pad Condition: OK Well Casing Condition: OK
Well Vault Condition: OK Seal Present?: yes Bolts Present?: no
Well Integrity: OK Well Tag: no
Notes: collected sample MW-9-W-240925

Sampled By: Dana Hutchins

Signature: Dana Hutchins

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: 9/23/24

Start (2400hr): 1035 End (2400hr): 1105

Date Sampled: 9/23/24

Sample Time (2400hr): 1105

Sample Type: LFS

Low-Flow Used? Y

Casing Diameter:

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

Casing Volume (gallons per foot):

Depth to Bottom (ft): 18.3

Depth to Water (ft): 7.11

Water Column Height (ft):

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)
1035	0.2	7.22	8.05	18.2	-10.0	520	3.19	6.00
1040	0.02 0.1	7.20	8.14	18.2	12.1	518	2.60	6.76
1045	0.1	7.20	8.12	18.3	40.2	518	1.77	7.62
1050	0.1	7.20	8.13	18.2	60.1	517	1.10	10.4
1055	0.1	7.19	8.13	18.2	73.2	517	0.95	10.0
1100	0.1	7.19	8.09	18.4	83.2	519	0.93	8.17
1105	0.1	7.19	8.10	18.4	91.6	519	0.90	8.27

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: ~~8.05~~ Temp: ~~18.2~~ ORP: ~~83.2~~ Cond: ~~519~~ DO: ~~0.93~~

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3' * 6.4 * 1% 5.3%

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: * ORP failed to stabilize

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW-11

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

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

Date Purged: 7-23-24

Start (2400hr): 1125 End (2400hr): 1200

Date Sampled: 7-23-24

Sample Time (2400hr): 1200

Sample Type: Low Flow/6W

Low-Flow Used? Yes

Casing Diameter:

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

Casing Volume (gallons per foot):

Depth to Bottom (ft): 18.00

Depth to Water (ft): 6.63

Water Column Height (ft): 11.37

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)
1130	0.2	6.66	7.91	21.3	151.5	551	3.27	7.60
1135	0.2	6.66	7.93	21.5	156.0	541	2.60	6.52
1140	0.2	6.67	7.91	21.6	159.7	549	2.28	7.05
1145	0.2	6.67	7.89	22.4	161.4	563	2.08	8.01
1150	0.2	6.67	7.87	21.7	163.6	562	1.89	7.49
1155	0.2	6.67	7.88	22.2	164.3	568	1.80	7.12
1200	0.2	6.67	7.88	22.0	165.2	568	1.75	5.68

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: 7.88 Temp: 22.0 ORP: 165.2 Cond: 568 DO: 1.75

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

0.01 2.30% 1.6mV 1% 7.4%

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: DO failed to stabilize

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW12 R

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

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

Date Purged: 9/26/24

Start (2400hr): 0710 End (2400hr): 0735

Date Sampled: 9/26/24

Sample Time (2400hr): 0735

Sample Type: LFS

Low-Flow Used? YES

Casing Diameter:

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

Casing Volume (gallons per foot):

Depth to Bottom (ft): 16.64

Depth to Water (ft): 8.86

Water Column Height (ft): 7.78

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)
0710	0.1	8.86	6.94	17.4	204.5	6285	0.82	3.33
0710	0.1	9.20	6.99	17.3	210.0	6139	0.62	3.04
0715	0.1	9.25	7.03	16.6	207.9	5912	0.57	3.28
0720	0.1	9.30	7.05	15.9	205.4	5307	0.60	3.23
0725	0.1	9.35	7.04	14.6	204.7	5690	0.69	2.78
0730	0.1	9.40	7.05	15.1	203.0	5699	0.66	2.94
0735	0.1	9.45	7.07	15.3	202.0	5654	0.75	2.65

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: 7.03 Temp: 15.3 ORP: 202.0 Cond: 5654 DO: 0.75

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3' 0.03 *45% 2.7mV 0.8% OK

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: Slowest pump speed possible *Temp failed to stabilize, water has an ammonia aroma and is green colored

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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

 Well ID: MW13
 Lab: Eurofins
 Project No: 182604043(CEMC)/182604044(BP)

 Date Purged: 9/25/24
 Date Sampled: 9/25/24
 Sample Type: LFS

 Start (2400hr): 0840 End (2400hr): 0855
 Sample Time (2400hr): 0855
 Low-Flow Used? Yes

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

 Depth to Bottom (ft): 18.58
 Depth to Water (ft): 9.92
 Water Column Height (ft): 8.66

 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)
0840	0.2	9.92	7.73	19.5	127.0	1000	1.25	2.45
0845	0.2	10.06	7.64	20.4	131.2	821	0.74	1.65
0850	0.1	10.05	7.65	21.0	132.5	824	0.68	0.91
0855	0.1	10.05	7.66	20.7	134.4	819	0.68	1.56

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

Calculated Variance of Final Three Samples

 pH: 7.66 Temp: 20.7 ORP: 134.4 Cond: 819 DO: 0.68

 Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'
0.01 2.8%

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 Good

 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: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW 14

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

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

Date Purged: 9/25/24

Start (2400hr): 1110 End (2400hr): 1140

Date Sampled: 9/25/24

Sample Time (2400hr): 1140

Sample Type: LFS

Low-Flow Used? Yes

Casing Diameter:

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

Casing Volume (gallons per foot):

Depth to Bottom (ft): 15.70

Depth to Water (ft): 8.33

Water Column Height (ft): 7.37

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)
1110	0.2	8.33	7.13	20.1	20.6	893	2.67	56.4
1115	0.2	8.38	7.16	20.5	-3.0	913	0.78	33.7
1120	0.2	8.38	7.19	20.9	-23.6	930	0.59	26.3
1125	0.2	8.38	7.21	20.4	-41.6	936	0.52	21.0
1130	0.2	8.38	7.21	20.6	-51.6	942	0.45	19.7
1135	0.2	8.38	7.22	20.5	-58.5	933	0.43	18.4
1140	0.2	8.38	7.23	20.7	-63.3	934	0.43	14.2

Stabilization Criteria:

Calculated Variance of Final Three Samples:

pH: ±0.1 Temp: 3% ORP: ±10mV Cond: 3% DO: 10%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'
0.2
1%
11.7mV
1.3%
OK

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
x2 (Duplicate) = 6

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:

Duplicate / Equipment blank on this well
Filter used on total metals

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: 9/23/24
Date Sampled: 9/23/24
Sample Type: LF5

Start (2400hr): 1455 End (2400hr): 150
Sample Time (2400hr): _____
Low-Flow Used? Yes

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

Depth to Bottom (ft): 15.75
Depth to Water (ft): 11.90
Water Column Height (ft): 3.85

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	0.3	12.01	7.78	22.8	110.5	480	4.38	4.06
1500	0.2	12.10	7.85	22.6	111.3	477	3.06	3.53
1505	0.1	12.17	7.88	23.3	116.5	483	2.45	2.31
1510	0.1	12.17	7.89	25.2	120.6	501	2.85	2.56
1515	0.1	12.17	7.88	26.3	125.8	513	2.78	2.75
1520	0.1	12.17	7.89	27.6	129.2	527	2.76	3.37
1525								

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

Calculated Variance of Final Three Samples

pH: ~~7.88~~ Temp: ~~22.8~~ ORP: ~~110.5~~ Cond: ~~480~~ DO: ~~4.38~~
Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3' 0.01 * 8.7% 8.6mV 4.9% 3.2%

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	1 250 ml	HNO3	Yes	
Poly	1 500L	None	No	
Poly	1 250 ml	H2SO4	No	
Poly	1 250 ml	None	No	
Poly	1 500 ml	H2SO4	No	

Total Bottles 8

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes / No Good
Well Pad Condition: Good Well Casing Condition: Good
Well Vault Condition: Good Seal Present?: ✓ Bolts Present?: N
Well Integrity: Good Well Tag: NO
Notes: * Low flow cell heating up in sun

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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

Well ID: MW16
Lab: Eurofins
Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 9/25/24
Date Sampled: 9/25/24
Sample Type: LFS

Start (2400hr): 1000 End (2400hr): 1015
Sample Time (2400hr): 1015
Low-Flow Used? Yes

Casing Diameter:
Casing Volume (gallons per foot):

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

Depth to Bottom (ft): 15.56
Depth to Water (ft): 9.58
Water Column Height (ft): 5.98

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)
1000	0.2	9.58	7.20	19.3	177.4	2641	1.32	273
1005	0.1	10.04	7.22	20.3	180.6	2649	0.64	45.7
1010	0.1	10.08	7.22	21.2	180.3	2698	0.70	35.9
1015	0.1	10.08	7.23	21.6	180.5	2701	0.55	28.6

Stabilization Criteria:
Calculated Variance of Final Three Samples
pH: 7.22 Temp: 21.2 ORP: 180.3 Cond: 2698 DO: 0.70
Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3' 0.01 1.9% 0.3mV 1.9% ch

Bottle Type	Amount & Volume	Preservative	Filter	Other
Amber Glass	2 1 L	None	No	
Poly Tube	3 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

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: N
Notes: Filter used for total metals

Sampled By: Gavin Rorie

Signature: Gavin Rorie

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: 9/24/24

Start (2400hr): 0710 End (2400hr): 0730

Date Sampled: 9/24/24

Sample Time (2400hr): 0730

Sample Type: LFS

Low-Flow Used? Yes

Casing Diameter:
Casing Volume (gallons per foot):

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

Depth to Bottom (ft): 15.64

Depth to Water (ft): 11.15

Water Column Height (ft): 4.49

Actual Purge Volume (gal): 15

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
0710	0.2	11.25	7.62	17.1	177.4	413.7	6.66	5.36
0715	0.1	11.30	7.90	17.4	184.9	416.1	6.05	4.97
0720	0.1	11.35	7.93	17.6	190.5	417.8	5.80	5.37
0725	0.1	11.40	7.92	17.6	196.0	417.7	5.68	4.61
0730	0.1	11.40	7.91	17.6	199.6	417.4	5.34	4.28

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

Calculated Variance of Final Three Samples

pH: ~~7.62~~ Temp: ~~17.1~~ ORP: ~~177.4~~ Cond: ~~413.7~~ DO: ~~6.66~~

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3' 0.02 0% 9.1mV <1% 7.9%

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 (EQ Blank) = 6

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

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

Well Pad Condition: Good Well Casing Condition: Good

Well Vault Condition: Good Seal Present?: Y Bolts Present?: Y

Well Integrity: Good Well Tag: NO

Notes: Equipment blank done on this well

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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

Well ID: MW18
 Lab: Eurofins
 Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 9/24/24
 Date Sampled: 9/24/24
 Sample Type: LFS

Start (2400hr): 0755 End (2400hr): 0815
 Sample Time (2400hr): 0815
 Low-Flow Used? Yes

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

Depth to Bottom (ft): 15.60
 Depth to Water (ft): 13.61
 Water Column Height (ft): 1.99

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)
0755	0.1	13.61	7.71	19.4	163.8	420.0	4.02	117
0800	0.1	13.84	7.78	19.8	169.3	421.1	3.92	101
0805	0.1	13.90	7.67	19.7	180.9	421.6	3.99	42.5
0810	0.1	13.96	7.64	20.1	187.0	424.7	4.02	15.8
0815	0.1	13.96	7.64	20.2	190.9	425.6	4.00	11.9

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

Calculated Variance of Final Three Samples

pH: 7.75 Temp: 20 ORP: 180 Cond: 420 DO: 4.00

Flow rate range 0.1-0.5 L/min; Optimal total drawdown $< 0.3'$
0.03 2.5%

10mV 0.9% <1%

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: no

Notes: Used Filter for total metals, slowest pump speed possible

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: 9/24/24

Start (2400hr): 0915 End (2400hr): 0935

Date Sampled: 9/24/24

Sample Time (2400hr): 0935

Sample Type: LFL

Low-Flow Used? Yes

Casing Diameter:

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

Casing Volume (gallons per foot):

Depth to Bottom (ft): 15.58

Depth to Water (ft): 8.87

Water Column Height (ft): 6.71

Actual Purge Volume (gal): 1.5

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
0915	0.05	15.00	7.75	18.7	155.4	894	5.15	51.2
0920	0.2	9.80	7.66	19.4	155.4	912	3.00	81.5
0925	0.1	9.86	7.67	20.0	156.7	929	2.44	81.2
0930	0.1	9.80	7.68	19.9	157.4	937	2.21	71.6
0935	0.1	9.90	7.70	19.7	157.4	938	2.23	48.0

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: ~~7.75~~ Temp: ~~18.7~~ ORP: ~~155.4~~ Cond: ~~894~~ DO: ~~5.15~~

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3' 0.03 1.5% 1.3mV <1% 8.6%

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	1 250 ml	H2SO4	No	
Poly	2 250 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: 10

Notes: Filter used on 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: 9/24/24
Date Sampled: 9/24/24
Sample Type: LFS

Start (2400hr): 0835 End (2400hr): 0850
Sample Time (2400hr): 0850
Low-Flow Used? Yes

Casing Diameter:
Casing Volume (gallons per foot):

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

Depth to Bottom (ft): 15.50
Depth to Water (ft): 12.94
Water Column Height (ft): 2.56

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)
0835	0.2	12.94	7.68	20.4	159.2	453.0	4.13	11.9
0840	0.2	13.10	7.67	20.4	167.9	450.4	3.41	7.29
0845	0.1	13.15	7.58	20.6	175.7	457.1	3.24	6.01
0850	0.1	13.20	7.63	20.6	170.5	458.3	3.10	5.28

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

pH: 7.68 Temp: 20.4 ORP: 159.2 Cond: 453.0 DO: 4.13

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

0.09

<1%

7.8mV

1.7%

9%

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/VSI 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: 20

Notes:

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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

Well ID: MW21
Lab: Eurofins
Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 9/24/24
Date Sampled: 9/24/24
Sample Type: LFS

Start (2400hr): 1210 End (2400hr): 1225
Sample Time (2400hr): 1225
Low-Flow Used? Yes

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

Depth to Bottom (ft): 16.64
Depth to Water (ft): 8.81
Water Column Height (ft): 6.83

Actual Purge Volume (gal): 2.0

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
12:10	0.3	8.81	7.35	18.9	174.5	1747	0.96	5.19
12:15	0.3	8.86	7.37	19.0	171.2	1761	0.77	3.38
12:20	0.3	8.86	7.40	18.7	168.3	1751	0.68	1.80
12:25	0.3	8.86	7.45	18.5	165.3	1760	0.51	2.22

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: 7.35 Temp: 18.9 ORP: 174.5 Cond: 1747 DO: 0.96

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'
0.08 2.6% 5.9mV <1% OK

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

14

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

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

Well Pad Condition: Good

Well Vault Condition: Good

Well Integrity: Good

Well Casing Condition: Good

Seal Present?: ✓ Bolts Present?: ✓

Well Tag: ✓

Notes:

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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

Well ID: MW22
 Lab: Eurofins
 Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 9/26/24
 Date Sampled: 9/26/24
 Sample Type: LFS

Start (2400hr): 0915 End (2400hr): 0915
 Sample Time (2400hr):
 Low-Flow Used? Yes

Casing Diameter:
 Casing Volume (gallons per foot):

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

Depth to Bottom (ft): 14.70
 Depth to Water (ft): 7.72
 Water Column Height (ft): 6.98

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)
0905	0.1	7.75	7.55	17.1	160.1	1062	0.69	5.56
0910	0.1	7.85	7.55	17.3	156.5	1058	0.69	6.27
0915	0.1	7.90	7.55	17.6	151.2	1054	0.69	5.74
0920								

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: ~~7.55~~ Temp: ~~17.3~~ ORP: ~~156.5~~ Cond: ~~1058~~ DO: ~~0.69~~

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

8.9mV <1% 0%

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 Vault Condition: Good

Well Integrity: Good

Notes:

Well Casing Condition: Good

Seal Present?: Y Bolts Present?: Y

Well Tag:

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: 9/25/24

Start (2400hr): 0710 End (2400hr): 0725

Date Sampled: 9/25/24

Sample Time (2400hr): 0725

Sample Type: LFS

Low-Flow Used? Yes

Casing Diameter:

2" ☒ 3" ☐ 4" ☐
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 17.08

Depth to Water (ft): 10.08

Water Column Height (ft): 7.00

Actual Purge Volume (gal): 1.5

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
0710	0.3	10.08	7.34	19.5	191.2	3699	2.57	10.5
0715	0.3	10.45	7.37	19.2	200.3	3762	0.72	10.3
0720	0.1	10.40	7.37	19.0	201.9	3795	0.69	7.01
0725	0.1	10.40	7.37	19.1	202.4	3848	0.81	6.36

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: ~~7.34~~ Temp: ~~19.5~~ ORP: ~~191.2~~ Cond: ~~3699~~ DO: ~~2.57~~

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

0% 1% 1.9mV 2.2% OK

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: N

Notes:

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

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

Well ID: MW24
 Lab: Eurofins
 Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 9/24/24
 Date Sampled: 9/24/24
 Sample Type: LFS

Start (2400hr): 1035 End (2400hr): 1105
 Sample Time (2400hr): 1105
 Low-Flow Used? Yes

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

Depth to Bottom (ft): 17.75
 Depth to Water (ft): 9.66
 Water Column Height (ft): 8.09

Actual Purge Volume (gal): 2.0

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
1035	0.2	9.66	7.63	17.5	150.0	733	1.30	17.5
1040	0.2	9.80	7.82	17.3	136.3	716	2.74	6.45
1045	0.1	9.78	7.88	17.4	130.3	712	2.08	6.56
1050	0.1	9.78	7.87	17.1	127.7	713	1.71	6.49
1055	0.1	9.78	7.87	17.3	126.0	716	1.33	6.43
1100	0.1	9.78	7.85	17.4	125.3	724	1.17	6.40
1105	0.1	9.78	7.86	17.5	124.8	726	1.00	6.92

Stabilization Criteria:

Calculated Variance of Final Three Samples

pH: ~~7.86~~ Temp: ~~17.1~~ ORP: ~~127.7~~ Cond: ~~713~~ DO: ~~1.71~~
 Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3' 0.02 1.1% 1.2 mV 1.1% * 2.5%

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: Good

Notes: * DO failed to stabilize

Sampled By: Gavin Rorie

Signature: Gavin Rorie

APPENDIX B

Analytical Laboratory Reports

Stantec Analytical Validation Checklist**Report No. 10312024**

Project Name: Bee-Jay Scales	Project Number: 182604043/182604044	
Stantec Validator: Brigid Zvirbulis	Laboratory: Eurofins - Lancaster	
Date Validated: 10/31/2024	Laboratory Project Number: L189312, L189522, L189768, and L189949	
Sample Start-End Date: L189312 – 9/23/2024 L189522 – 9/23/24 and 9/24/24 L189768 – 9/25/24 L189949 – 9/25/24 and 9/26/24	Laboratory Report Date: L189312 – 10/11/2024 L189522 – 10/8/2024 L189768 – 10/14/2024 L189949 -10/14/2024	
Parameters Validated: Metals by USEPA method SW846 6020B Metals, Alkalinity by SM 2320B-2011, Nitrate by EPA method 353.2, Nitrogen, Nitrite by EPA method 353.2, Nitrogen, Ammonia as EPA method 350.1, Phosphorus by EPA method 365.1, BOD by SM 5210 B-2016, Volatile organic compounds (VOCs) by USEPA method SW846 8260D, and Herbicides by USEPA method SW846 8151A		
Samples Validated - Associated Chain(s) of Custody – L189312 – 5 groundwater samples and 1 equipment blank L189522 – 7 groundwater samples, 1 equipment blank and 1 trip blank. L189768 - 6 groundwater samples, 1 equipment blank and 1 trip blank. L189949 - 8 groundwater samples, 1 equipment blank and 1 trip blank.		
VALIDATION CRITERIA CHECK		
Validation Flags Applicable to this Review: U The analyte was analyzed for, but not detected above the reported sample quantitation limit. J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. NJ The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration. R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. B The analyte was detected in the method, field and/or trip blank.		
1. Were all the analyses requested for the samples submitted with each CofC completed by the lab?	Yes X	No
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?	Yes x	No
Comments: See Report Narrative		
3. Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	Yes	No X

Comments:

J189522 According to the case narrative, the samples for VOCs were preserved with HCL. The compound acrylonitrile was requested as part of the analyte list which degrades in an acidic medium associated with samples MW-15-W-240923, MW-19-W-240924, MW-24-W-240924, MW-21-W-240924 and TB-1-W-240924. Therefore these results are qualified "J" as estimated.

J189768 According to the case narrative, the samples for VOCs were preserved with HCL. The compound acrylonitrile was requested as part of the analyte list which degrades in an acidic medium associated with samples MW-23-W-240925, TB-1-W-240925, MW-13-W-240925, MW-16-W-240925 and WB-1-W-240925. Therefore these results are qualified "J" as estimated.

According to the case narrative, sample MW-23-W-240925 for VOCs was received at the laboratory with the pH outside the required criteria. The sample was analyzed outside the 7-day holding time specified for unpreserved samples therefore the results for this sample are considered estimated and qualified "J".

According to the case narrative, sample MW-23-W-240925 for Ammonia as N and Total Phosphorus, were not received by the laboratory at the proper pH. The associated result is qualified "J" as estimated.

J189949 According to the case narrative, the samples for VOCs were preserved with HCL. The compound acrylonitrile was requested as part of the analyte list which degrades in an acidic medium associated with samples MW-9-W-240925, MW-3-W-240926, MW-22-W-240926, MW-12R-W-240926 (410-189949-3), MW-5R-W-240926, and MW-4R-W-240926. Therefore these results are qualified "J" as estimated.

According to the case narrative, sample MW-5R-W-240926 for VOCs was received at the laboratory with the pH outside the required criteria. The sample was analyzed outside the 7-day holding time specified for unpreserved samples therefore the results for this sample are considered estimated and qualified "J".

According to the case narrative, sample MW-5R-W-240926 for Ammonia as N and Total Phosphorus, were not received by the laboratory at the proper pH. The associated result is qualified "J" as estimated.

5. Were sample holding times met?	Yes	No
		X

Comments:

J189768: The holding time associated with the BOD analysis of samples MW-23-W-240925 was exceeded. This sample was qualified "J" as estimated.

J189949 The holding time associated with the BOD analysis of samples MW-6-W-240925 and MW-9-W-240925 was exceeded. This sample was qualified "J" as estimated.

6. Were correct concentration units reported?	Yes	No
	X	

Comments:

7. Were detections found in laboratory blank samples?	Yes	No
	X	

Comments:

J189522: The method blank associated with samples MW-19-W-240924, MW-24-W-240924 and MW-21-W-240924 had a detection of manganese at 0.00117 J mg/L. The associated samples had detections greater than 10 times the blank concentration for samples MW-19 and MW-21, therefore no qualification. Sample MW-24 was less than 10 times the blank concentration and was qualified "UB" as non-detect due to blank contamination.

The SCB associated with samples MW-19-W-240924, MW-24-W-240924 and MW-21-W-240924 had a detection of BOD at 1.05 mg/L. The associated samples were non-detect therefore no qualification.

J189768: The method blank associated with samples MW-16-W-240925, and MW-14-W-240925 had a detection of manganese at 0.0292 mg/L. The associated samples were not analyzed for manganese.

The SCB associated with samples MW-23-W-240925, MW-13-W-240925, MW-16-W-240925, and WB-1W-240925 had a detection of BOD at 1.37 mg/L. The associated samples were non-detect therefore no qualification, with the exception of MW-23 that was qualified "J" as estimated.

J189949: The method blank associated with samples MW-6-W-240925, MW-9-W-240925, MW-12R-W-240926, MW-3-W-240926, MW-22-W-240926, MW-8-W-240926, EB-1-W-240926 and MW-4R-W-240926 had a detection of manganese at 0.00151 J mg/L. The associated samples had detections greater than 10 times the blank concentration, therefore no qualification.

The SCB associated with samples MW-6-W-240925, MW-9-W-240925, MW-12R-W-240926, MW-3-W-240926, MW-22-W-240926, MW-8-W-240926, EB-1-W-240926, MW-5R-W-240926, and MW-4R-W-240926 had a detection of BOD at 1.37 mg/L. The associated samples with detections were qualified "J" as estimated. The samples that were non-detect there were no qualification.

8. Were detections found in field blank, equipment/rinse blank, and/or trip blank samples?	Yes	No
	X	

Comments:

J189949 – Acetone was detected in the trip blank at a concentration of 1.0 J ug/L. Associated samples were all ND for acetone therefore no qualification.

9. Were instrument calibrations within method criteria?	Yes	No
---	-----	----

Comments:

J189522: According to the case narrative the CCV associated with the VOC analysis of 1,1,2,2-tetrachloroethane, n-butylbenzene, p-isopropyltoluene, sec-butylbenzene, tert-butylbenzene and tetrahydrofuran were above the upper control limits. The associated samples, MW-15-W-240923, MW-19-W-240924, MW-24-W-240924, MW-21-W-240924 and TB-1-W-240924 were non-detect therefore no qualification was needed.

According to the case narrative, the ICV associated with the VOC analysis of 2-methylnaphthalene was above control limits. The associated samples MW-15-W-240923, MW-19-W-240924, MW-24-W-240924, MW-21-W-240924 and TB-1-W-240924 were non-detect therefore no qualification was needed.

According to the case narrative, the CCV associated with the herbicides analysis of samples MW-19-W-240924, MW-24-W-240924 and MW-21-W-240924, was above the control limit for dinoseb. MW-19-W-240924, MW-24-W-240924, were qualified "J" as estimated and MW-21-W-240924 was non-detect therefore no qualification.

J189768: According to the case narrative, the CCV associated with samples MW-23-W-240925, TB-1-W-240925, MW-13-W-240925, MW-16-W-240925 and WB-1-W-240925 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone and Acrylonitrile. Associated results are qualified "J" as estimated.

According to the case narrative, the CCV associated with sample WB-1-W-240925 recovered above the upper control limit for Dinoseb. The samples result was non-detects therefore no qualification.

J189949: According to the case narrative, the CCV associated with sample MW-9-W-240925 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone and Acrylonitrile. Associated results are qualified "J" as estimated.

According to the case narrative, the CCV associated with batch TB-1-W-240926 recovered above the upper control limit for Acetone. The associated positive result was qualified "J" as estimated.

According to the case narrative, the CCV for herbicides associated with samples MW-9-W-240925, MW-12R-W-240926, MW-3-W-240926, MW-22-W-240926, MW-5R-2-240926 and MW-4R-W-240926 recovered above the upper control limit for Dinoseb. Detected results were qualified "J" as estimated. Non-detects were not qualified. .

10. Were surrogate recoveries within control limits?	Yes	No X
Comments: J189768: The surrogate recovery of 2,4-dichlorophenylacetic acid associated with the herbicide analysis of sample MW-23-W-240925 was above criteria. All results were non-detect, therefore no qualification. J189949: The surrogate recovery of 2,4-dichlorophenylacetic acid associated with the herbicide analysis of sample MW-12R-W-240926 was above criteria. Associated positive results were qualified "J" as estimated.		
11. Were laboratory control sample recoveries within control limits?	Yes	No X
Comments: J189312: The Laboratory Control Sample (LCS) recovery associated with samples MW-1-W-240923 and MW-11-W-240923 was high biased for BOD. The associated samples were ND therefore no qualification.		
12. Were matrix spike recoveries within control limits?	Yes	No X
Comments: J189522: The MS associated with sample MW-19-W-240924 for sulfate was high biased. The associated sample result was qualified "J" as estimated. The MS associated with sample MW-21-W-240924 for Nitrite as N was low biased. The associated sample result was qualified "J" as estimated.		
13. Were RPDs within control limits?	Yes	No X
Comments: J189522: The LCS/LCS Duplicate (LCSD) RPD associated with samples MW-19-W-240924, MW-24-W-240924 and MW-21-W-240924 for dalapon was above criteria. The associated %Rs were acceptable therefore no qualification was necessary. J189768: The LCS/LCS Duplicate (LCSD) RPD associated with samples MW-23-W-240925, MW-23-W-240925 (dilution), MW-13-W-240925, MW-16-W-240925, MW-16-W-240925 (dilution) and WB-1-W-240925 for dalapon was above criteria. The associated %Rs were acceptable therefore no qualification was necessary. J189949: The LCS/LCS Duplicate (LCSD) RPD associated with samples MW-9-W-240925, MW-12R-W-240926, MW-3-W-240926, MW-22-W-240926, MW-5R-W-240926 and MW-4R-W-240926 for dalapon was above criteria. The associated %Rs were acceptable therefore no qualification was necessary.		
14. Were dilutions required on any samples?	Yes X	No
Comments:		
15. Were Tentatively Identified Compounds (TIC) present?	Yes	No
Comments: NA		
16. Were organic system performance criteria met?	Yes	No
Comments: NA		
17. Were GC/MS internal standards within method criteria?	Yes	No
Comments: NA		
18. Were inorganic system performance criteria met?	Yes	No

Comments: NA			
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results.	NA X	Yes	No
Duplicate Sample No.	Primary Sample No.		
Comments: NA			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes	No	Initials
Comments:			
21. Other:		Yes	No
A). Validation Level		X	
Comments: All data was validated at Level II.			
22. SQL – results reported between the MDL and RL		Yes	No
Comments: N.A.			
Precision:	Acceptable X	Unacceptable	Initials BZ
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials BZ
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials BZ
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials BZ
Comments:			

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/11/2024 9:28:52 AM

JOB DESCRIPTION

Bee Jay Scales

JOB NUMBER

410-189312-1

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
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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.

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Definitions/Glossary

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

Job ID: 410-189312-1

Qualifiers

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
*-	LCS and/or LCSD is outside acceptance limits, low 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.
s	Seeded Control Blank (SCB) Recovery High

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: 410-189312-1

Job ID: 410-189312-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-189312-1

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

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

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

Receipt

The samples were received on 9/24/2024 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

Receipt Exceptions

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

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 SM5210B_Calc: The glucose-glutamic acid standard (LCS) recovered outside the recovery limits specified in the method in batch 410-556975. The method holding time had expired, therefore the analysis was not repeated. The data was qualified and reported.

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: 410-189312-1

Client Sample ID: MW-7-W-240923

Lab Sample ID: 410-189312-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.013		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	4.6		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: MW-7-WD-240923

Lab Sample ID: 410-189312-2

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	4.6		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: EB-1-W-240923

Lab Sample ID: 410-189312-3

No Detections.

Client Sample ID: MW-1-W-240923

Lab Sample ID: 410-189312-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	37		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.011		0.0020	0.00068	mg/L	1		6020B	Total
Bicarbonate Alkalinity as CaCO ₃	240		8.0	2.6	mg/L	1		2320B-2011	Recoverable Total/NA
Total Alkalinity as CaCO ₃ to pH 4.5	240		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	9.0		0.10	0.040	mg/L	1		353.2	Total/NA

Client Sample ID: MW-10-W-240923

Lab Sample ID: 410-189312-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.016		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	6.1		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA
Nitrite as N	0.020	J	0.050	0.015	mg/L	1		353.2	Total/NA

Client Sample ID: MW-11-W-240923

Lab Sample ID: 410-189312-6

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
Iron	0.028	J	0.050	0.020	mg/L	1		6020B	Total
Manganese	3.2		0.0020	0.00095	mg/L	1		6020B	Recoverable Total
Arsenic	0.023		0.0020	0.00068	mg/L	1		6020B	Recoverable Total
Iron	0.024	J	0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO ₃	210		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO ₃ to pH 4.5	210		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	0.032	J	0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.057	J	0.10	0.050	mg/L	1		365.1	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: 410-189312-1

Client Sample ID: MW-7-W-240923

Lab Sample ID: 410-189312-1

Date Collected: 09/23/24 08:55

Matrix: Water

Date Received: 09/24/24 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013		0.0020	0.00068	mg/L		10/01/24 07:25	10/11/24 03:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	4.6		0.10	0.040	mg/L			09/25/24 11:45	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/25/24 10:25	1

Client Sample ID: MW-7-WD-240923

Lab Sample ID: 410-189312-2

Date Collected: 09/23/24 09:00

Matrix: Water

Date Received: 09/24/24 10:10

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		10/01/24 07:25	10/11/24 03:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	4.6		0.10	0.040	mg/L			09/25/24 11:45	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/25/24 10:26	1

Client Sample ID: EB-1-W-240923

Lab Sample ID: 410-189312-3

Date Collected: 09/23/24 09:15

Matrix: Water

Date Received: 09/24/24 10:10

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		10/01/24 07:25	10/11/24 03:31	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			09/25/24 11:45	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/25/24 10:27	1

Client Sample ID: MW-1-W-240923

Lab Sample ID: 410-189312-4

Date Collected: 09/23/24 10:00

Matrix: Water

Date Received: 09/24/24 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	37		30	10	mg/L			09/24/24 22:57	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		10/01/24 07:25	10/11/24 03:33	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		09/29/24 23:30	10/02/24 05:37	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			09/25/24 23:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189312-1

Client Sample ID: MW-1-W-240923

Lab Sample ID: 410-189312-4

Date Collected: 09/23/24 10:00

Matrix: Water

Date Received: 09/24/24 10:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/25/24 23:51	1
Bicarbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	240		8.0	2.6	mg/L			09/25/24 23:51	1
Total Alkalinity as CaCO ₃ to pH 4.5 (SM 2320B-2011)	240		8.0	2.6	mg/L			09/25/24 23:51	1
Phenolphthalein Alkalinity as CaCO ₃ to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/25/24 23:51	1
Nitrate as N (EPA 353.2)	9.0		0.10	0.040	mg/L			09/25/24 11:45	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/25/24 10:27	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND	*- cn	2.0	2.0	mg/L			09/24/24 15:50	1

Client Sample ID: MW-10-W-240923

Lab Sample ID: 410-189312-5

Date Collected: 09/23/24 11:05

Matrix: Water

Date Received: 09/24/24 10:10

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		10/01/24 07:25	10/11/24 03:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	6.1		0.10	0.040	mg/L			09/25/24 11:45	1
Nitrite as N (EPA 353.2)	0.020	J	0.050	0.015	mg/L			09/25/24 10:28	1

Client Sample ID: MW-11-W-240923

Lab Sample ID: 410-189312-6

Date Collected: 09/23/24 12:00

Matrix: Water

Date Received: 09/24/24 10:10

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			09/24/24 23:09	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	J	0.050	0.020	mg/L		10/01/24 07:25	10/11/24 03:22	1
Manganese	3.2		0.0020	0.00095	mg/L		10/01/24 07:25	10/11/24 03:22	1
Arsenic	0.023		0.0020	0.00068	mg/L		10/01/24 07:25	10/11/24 03:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.024	J	0.052	0.021	mg/L		09/29/24 07:43	10/03/24 05:09	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			09/25/24 23:57	1
Carbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/25/24 23:57	1
Bicarbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	210		8.0	2.6	mg/L			09/25/24 23:57	1
Total Alkalinity as CaCO ₃ to pH 4.5 (SM 2320B-2011)	210		8.0	2.6	mg/L			09/25/24 23:57	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189312-1

Client Sample ID: MW-11-W-240923

Lab Sample ID: 410-189312-6

Date Collected: 09/23/24 12:00

Matrix: Water

Date Received: 09/24/24 10:10

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity as CaCO ₃ to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/25/24 23:57	1
Nitrate as N (EPA 353.2)	5.4		0.10	0.040	mg/L			09/25/24 11:45	1
Nitrite as N (EPA 353.2)	0.032	J	0.050	0.015	mg/L			09/25/24 10:29	1
Total Phosphorus as P (EPA 365.1)	0.057	J	0.10	0.050	mg/L		09/26/24 02:55	09/27/24 11:04	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND	*- cn	2.0	2.0	mg/L			09/24/24 15:50	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			09/25/24 13:14	1

QC Sample Results

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

Job ID: 410-189312-1

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

Lab Sample ID: MB 410-555217/21

Matrix: Water

Analysis Batch: 555217

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			09/25/24 01:58	1

Lab Sample ID: LCS 410-555217/19

Matrix: Water

Analysis Batch: 555217

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	7.83		mg/L		104	90 - 110

Lab Sample ID: LCSD 410-555217/20

Matrix: Water

Analysis Batch: 555217

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	7.83		mg/L		104	90 - 110	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-556935/1-A

Matrix: Water

Analysis Batch: 558247

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556935

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		09/29/24 23:30	10/02/24 04:39	1

Lab Sample ID: LCS 410-556935/2-A

Matrix: Water

Analysis Batch: 558247

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.16		mg/L		103	90 - 111

Lab Sample ID: LCSD 410-556935/3-A

Matrix: Water

Analysis Batch: 558247

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 556935

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	5.00	5.11		mg/L		102	90 - 111	1	20

Lab Sample ID: MB 410-556936/1-A

Matrix: Water

Analysis Batch: 558825

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		09/29/24 07:43	10/03/24 03:55	1

QC Sample Results

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

Job ID: 410-189312-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-556936/2-A
Matrix: Water
Analysis Batch: 558825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.52		mg/L		110	90 - 111

Lab Sample ID: MB 410-556593/1-A
Matrix: Water
Analysis Batch: 561977

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 556593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.020	mg/L		10/01/24 07:25	10/11/24 02:28	1
Manganese	ND		0.0020	0.00095	mg/L		10/01/24 07:25	10/11/24 02:28	1
Arsenic	ND		0.0020	0.00068	mg/L		10/01/24 07:25	10/11/24 02:28	1

Lab Sample ID: LCS 410-556593/2-A
Matrix: Water
Analysis Batch: 561977

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 556593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.04		mg/L		101	90 - 111
Manganese	0.500	0.509		mg/L		102	90 - 111
Arsenic	0.500	0.500		mg/L		100	90 - 109

Lab Sample ID: 410-189312-4 MS
Matrix: Water
Analysis Batch: 558247

Client Sample ID: MW-1-W-240923
Prep Type: Dissolved
Prep Batch: 556935

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	ND		5.00	5.07		mg/L		101	75 - 125

Lab Sample ID: 410-189312-4 MSD
Matrix: Water
Analysis Batch: 558247

Client Sample ID: MW-1-W-240923
Prep Type: Dissolved
Prep Batch: 556935

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		5.00	4.99		mg/L		100	75 - 125	1	20

Lab Sample ID: 410-189312-4 DU
Matrix: Water
Analysis Batch: 558247

Client Sample ID: MW-1-W-240923
Prep Type: Dissolved
Prep Batch: 556935

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	ND		ND		mg/L		NC	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-555798/52
Matrix: Water
Analysis Batch: 555798

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			09/25/24 21:24	1

QC Sample Results

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

Job ID: 410-189312-1

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

Lab Sample ID: LCS 410-555798/53

Matrix: Water

Analysis Batch: 555798

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 CaCO ₃ to pH 4.5	189	182		mg/L		96	80 - 110

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-555470/14

Matrix: Water

Analysis Batch: 555470

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			09/25/24 10:25	1

Lab Sample ID: LCS 410-555470/12

Matrix: Water

Analysis Batch: 555470

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	0.472		mg/L		94	90 - 110

Lab Sample ID: LCSD 410-555470/13

Matrix: Water

Analysis Batch: 555470

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	0.473		mg/L		95	90 - 110	0	20

Lab Sample ID: 410-189312-1 MS

Matrix: Water

Analysis Batch: 555470

Client Sample ID: MW-7-W-240923

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND		0.200	0.198		mg/L		99	90 - 110

Lab Sample ID: 410-189312-1 DU

Matrix: Water

Analysis Batch: 555470

Client Sample ID: MW-7-W-240923

Prep Type: Total/NA

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

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 410-555750/1-A

Matrix: Water

Analysis Batch: 556630

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 555750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		09/26/24 02:55	09/27/24 10:56	1

QC Sample Results

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

Job ID: 410-189312-1

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: LCS 410-555750/2-A
Matrix: Water
Analysis Batch: 556630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 555750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.67	1.83		mg/L		110	90 - 110

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

Lab Sample ID: SCB 410-556975/4
Matrix: Water
Analysis Batch: 556975

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	1.06	s	0.0000010	0.0000010	mg/L			09/24/24 12:50	1

Lab Sample ID: USB 410-556975/2
Matrix: Water
Analysis Batch: 556975

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	ND		0.0000010	0.0000010	mg/L			09/24/24 12:50	1

Lab Sample ID: LCS 410-556975/27
Matrix: Water
Analysis Batch: 556975

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	196	152	*-	mg/L		78	84.5 - 115. 96 154

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-555620/22
Matrix: Water
Analysis Batch: 555620

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			09/25/24 12:24	1

Lab Sample ID: LCS 410-555620/20
Matrix: Water
Analysis Batch: 555620

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	2.06		mg/L		103	90 - 110

Lab Sample ID: LCSD 410-555620/21
Matrix: Water
Analysis Batch: 555620

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	2.07		mg/L		103	90 - 110	0	15

QC Association Summary

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

Job ID: 410-189312-1

HPLC/IC

Analysis Batch: 555217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-4	MW-1-W-240923	Total/NA	Water	EPA 300.0 R2.1	
410-189312-6	MW-11-W-240923	Total/NA	Water	EPA 300.0 R2.1	
MB 410-555217/21	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-555217/19	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-555217/20	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 556593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-1	MW-7-W-240923	Total Recoverable	Water	3005A	
410-189312-2	MW-7-WD-240923	Total Recoverable	Water	3005A	
410-189312-3	EB-1-W-240923	Total Recoverable	Water	3005A	
410-189312-4	MW-1-W-240923	Total Recoverable	Water	3005A	
410-189312-5	MW-10-W-240923	Total Recoverable	Water	3005A	
410-189312-6	MW-11-W-240923	Total Recoverable	Water	3005A	
MB 410-556593/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-556593/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 556935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-4	MW-1-W-240923	Dissolved	Water	Non-Digest Prep	
MB 410-556935/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-556935/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
LCSD 410-556935/3-A	Lab Control Sample Dup	Total/NA	Water	Non-Digest Prep	
410-189312-4 MS	MW-1-W-240923	Dissolved	Water	Non-Digest Prep	
410-189312-4 MSD	MW-1-W-240923	Dissolved	Water	Non-Digest Prep	
410-189312-4 DU	MW-1-W-240923	Dissolved	Water	Non-Digest Prep	

Prep Batch: 556936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-6	MW-11-W-240923	Dissolved	Water	Non-Digest Prep	
MB 410-556936/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-556936/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 558247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-4	MW-1-W-240923	Dissolved	Water	6020B	556935
MB 410-556935/1-A	Method Blank	Total/NA	Water	6020B	556935
LCS 410-556935/2-A	Lab Control Sample	Total/NA	Water	6020B	556935
LCSD 410-556935/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	556935
410-189312-4 MS	MW-1-W-240923	Dissolved	Water	6020B	556935
410-189312-4 MSD	MW-1-W-240923	Dissolved	Water	6020B	556935
410-189312-4 DU	MW-1-W-240923	Dissolved	Water	6020B	556935

Analysis Batch: 558825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-6	MW-11-W-240923	Dissolved	Water	6020B	556936
MB 410-556936/1-A	Method Blank	Total/NA	Water	6020B	556936
LCS 410-556936/2-A	Lab Control Sample	Total/NA	Water	6020B	556936

QC Association Summary

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

Job ID: 410-189312-1

Metals

Analysis Batch: 561977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-1	MW-7-W-240923	Total Recoverable	Water	6020B	556593
410-189312-2	MW-7-WD-240923	Total Recoverable	Water	6020B	556593
410-189312-3	EB-1-W-240923	Total Recoverable	Water	6020B	556593
410-189312-4	MW-1-W-240923	Total Recoverable	Water	6020B	556593
410-189312-5	MW-10-W-240923	Total Recoverable	Water	6020B	556593
410-189312-6	MW-11-W-240923	Total Recoverable	Water	6020B	556593
MB 410-556593/1-A	Method Blank	Total Recoverable	Water	6020B	556593
LCS 410-556593/2-A	Lab Control Sample	Total Recoverable	Water	6020B	556593

General Chemistry

Analysis Batch: 555470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-1	MW-7-W-240923	Total/NA	Water	353.2	
410-189312-2	MW-7-WD-240923	Total/NA	Water	353.2	
410-189312-3	EB-1-W-240923	Total/NA	Water	353.2	
410-189312-4	MW-1-W-240923	Total/NA	Water	353.2	
410-189312-5	MW-10-W-240923	Total/NA	Water	353.2	
410-189312-6	MW-11-W-240923	Total/NA	Water	353.2	
MB 410-555470/14	Method Blank	Total/NA	Water	353.2	
LCS 410-555470/12	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-555470/13	Lab Control Sample Dup	Total/NA	Water	353.2	
410-189312-1 MS	MW-7-W-240923	Total/NA	Water	353.2	
410-189312-1 DU	MW-7-W-240923	Total/NA	Water	353.2	

Analysis Batch: 555480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-1	MW-7-W-240923	Total/NA	Water	353.2	
410-189312-2	MW-7-WD-240923	Total/NA	Water	353.2	
410-189312-3	EB-1-W-240923	Total/NA	Water	353.2	
410-189312-4	MW-1-W-240923	Total/NA	Water	353.2	
410-189312-5	MW-10-W-240923	Total/NA	Water	353.2	
410-189312-6	MW-11-W-240923	Total/NA	Water	353.2	

Analysis Batch: 555620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-6	MW-11-W-240923	Total/NA	Water	EPA 350.1	
MB 410-555620/22	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-555620/20	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-555620/21	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

Prep Batch: 555750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-6	MW-11-W-240923	Total/NA	Water	365.1	
MB 410-555750/1-A	Method Blank	Total/NA	Water	365.1	
LCS 410-555750/2-A	Lab Control Sample	Total/NA	Water	365.1	

Analysis Batch: 555798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-4	MW-1-W-240923	Total/NA	Water	2320B-2011	
410-189312-6	MW-11-W-240923	Total/NA	Water	2320B-2011	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189312-1

General Chemistry (Continued)

Analysis Batch: 555798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-555798/52	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-555798/53	Lab Control Sample	Total/NA	Water	2320B-2011	

Analysis Batch: 556630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-6	MW-11-W-240923	Total/NA	Water	365.1	555750
MB 410-555750/1-A	Method Blank	Total/NA	Water	365.1	555750
LCS 410-555750/2-A	Lab Control Sample	Total/NA	Water	365.1	555750

Analysis Batch: 556975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189312-4	MW-1-W-240923	Total/NA	Water	5210 B-2016	
410-189312-6	MW-11-W-240923	Total/NA	Water	5210 B-2016	
SCB 410-556975/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 410-556975/2	Method Blank	Total/NA	Water	5210 B-2016	
LCS 410-556975/27	Lab Control Sample	Total/NA	Water	5210 B-2016	

Lab Chronicle

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

Job ID: 410-189312-1

Client Sample ID: MW-7-W-240923

Lab Sample ID: 410-189312-1

Date Collected: 09/23/24 08:55

Matrix: Water

Date Received: 09/24/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			556593	UJL8	ELLE	10/01/24 07:25
Total Recoverable	Analysis	6020B		1	561977	F7JF	ELLE	10/11/24 03:26
Total/NA	Analysis	353.2		1	555470	Q3HN	ELLE	09/25/24 10:25
Total/NA	Analysis	353.2		1	555480	UKJF	ELLE	09/25/24 11:45

Client Sample ID: MW-7-WD-240923

Lab Sample ID: 410-189312-2

Date Collected: 09/23/24 09:00

Matrix: Water

Date Received: 09/24/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			556593	UJL8	ELLE	10/01/24 07:25
Total Recoverable	Analysis	6020B		1	561977	F7JF	ELLE	10/11/24 03:24
Total/NA	Analysis	353.2		1	555470	Q3HN	ELLE	09/25/24 10:26
Total/NA	Analysis	353.2		1	555480	UKJF	ELLE	09/25/24 11:45

Client Sample ID: EB-1-W-240923

Lab Sample ID: 410-189312-3

Date Collected: 09/23/24 09:15

Matrix: Water

Date Received: 09/24/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			556593	UJL8	ELLE	10/01/24 07:25
Total Recoverable	Analysis	6020B		1	561977	F7JF	ELLE	10/11/24 03:31
Total/NA	Analysis	353.2		1	555470	Q3HN	ELLE	09/25/24 10:27
Total/NA	Analysis	353.2		1	555480	UKJF	ELLE	09/25/24 11:45

Client Sample ID: MW-1-W-240923

Lab Sample ID: 410-189312-4

Date Collected: 09/23/24 10:00

Matrix: Water

Date Received: 09/24/24 10:10

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	555217	W7FX	ELLE	09/24/24 22:57
Dissolved	Prep	Non-Digest Prep			556935	UAMX	ELLE	09/29/24 23:30
Dissolved	Analysis	6020B		1	558247	F7JF	ELLE	10/02/24 05:37
Total Recoverable	Prep	3005A			556593	UJL8	ELLE	10/01/24 07:25
Total Recoverable	Analysis	6020B		1	561977	F7JF	ELLE	10/11/24 03:33
Total/NA	Analysis	2320B-2011		1	555798	DI9Q	ELLE	09/25/24 23:51
Total/NA	Analysis	353.2		1	555470	Q3HN	ELLE	09/25/24 10:27
Total/NA	Analysis	353.2		1	555480	UKJF	ELLE	09/25/24 11:45
Total/NA	Analysis	5210 B-2016		1	556975	B6LN	ELLE	09/24/24 15:50

Lab Chronicle

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

Job ID: 410-189312-1

Client Sample ID: MW-10-W-240923

Lab Sample ID: 410-189312-5

Date Collected: 09/23/24 11:05

Matrix: Water

Date Received: 09/24/24 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			556593	UJL8	ELLE	10/01/24 07:25
Total Recoverable	Analysis	6020B		1	561977	F7JF	ELLE	10/11/24 03:29
Total/NA	Analysis	353.2		1	555470	Q3HN	ELLE	09/25/24 10:28
Total/NA	Analysis	353.2		1	555480	UKJF	ELLE	09/25/24 11:45

Client Sample ID: MW-11-W-240923

Lab Sample ID: 410-189312-6

Date Collected: 09/23/24 12:00

Matrix: Water

Date Received: 09/24/24 10:10

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	555217	W7FX	ELLE	09/24/24 23:09
Dissolved	Prep	Non-Digest Prep			556936	UJL8	ELLE	09/29/24 07:43
Dissolved	Analysis	6020B		1	558825	F7JF	ELLE	10/03/24 05:09
Total Recoverable	Prep	3005A			556593	UJL8	ELLE	10/01/24 07:25
Total Recoverable	Analysis	6020B		1	561977	F7JF	ELLE	10/11/24 03:22
Total/NA	Analysis	2320B-2011		1	555798	DI9Q	ELLE	09/25/24 23:57
Total/NA	Analysis	353.2		1	555470	Q3HN	ELLE	09/25/24 10:29
Total/NA	Analysis	353.2		1	555480	UKJF	ELLE	09/25/24 11:45
Total/NA	Prep	365.1			555750	PQ9E	ELLE	09/26/24 02:55 - 09/26/24 03:55 ¹
Total/NA	Analysis	365.1		1	556630	JCG7	ELLE	09/27/24 11:04
Total/NA	Analysis	5210 B-2016		1	556975	B6LN	ELLE	09/24/24 15:50
Total/NA	Analysis	EPA 350.1		1	555620	JCG7	ELLE	09/25/24 13:14

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: 410-189312-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C457	04-11-25

1
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14

Method Summary

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

Job ID: 410-189312-1

Method	Method Description	Protocol	Laboratory
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
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: 410-189312-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-189312-1	MW-7-W-240923	Water	09/23/24 08:55	09/24/24 10:10
410-189312-2	MW-7-WD-240923	Water	09/23/24 09:00	09/24/24 10:10
410-189312-3	EB-1-W-240923	Water	09/23/24 09:15	09/24/24 10:10
410-189312-4	MW-1-W-240923	Water	09/23/24 10:00	09/24/24 10:10
410-189312-5	MW-10-W-240923	Water	09/23/24 11:05	09/24/24 10:10
410-189312-6	MW-11-W-240923	Water	09/23/24 12:00	09/24/24 10:10

Lancaster Laboratories
Environmental

Acct. # 410-189312 Chain of Custody



Environmental use only

Sample #

Identified with circled numbers.

1 Client Information				4 Matrix		5 Analyses Requested										6 Remarks	
Facility #	Bee Jay Scales			WBS												SCR #:	
Site Address	116 N 1st Sunny Side WA																
Chevron PM	Lead Consultant																
Consultant/Office	2321 Club Meridia Dr Ste E Oremos MI																
Consultant Project Mgr.	Marisa Kaffenberger																
Consultant Phone #	517-202-0459																
Sampler	Dana Hutchins																
2 Sample Identification				3 Composite													
		Collected		Grab	Composite												
		Date	Time														
MW-7-W-240923		9-23-24	0855	X													
MW-7-W-240923			0900	X													
FB-7-W-240923			0915	X													
MW-1-W-240923			1000	X													
MW-10-W-240923			1105	X													
MW-11-W-240923			1200	X													
7 Turnaround Time Requested (TAT) (please circle)				Relinquished by		Date		Time		Received by		Date		Time			
Standard 5 day 4 day				Dana Hutchins		9-23-24		1245									
72 hour 48 hour 24 hour				Relinquished by		Date		Time		Received by		Date		Time			
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 _____				Mf		9/23/24		1010			
Type VI (Raw Data)				Other: _____		Temperature Upon Receipt 2.5 C				Custody Seals Intact?		YES		No			

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

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.

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-189312-1

Login Number: 189312

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

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.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/8/2024 4:23:04 PM

JOB DESCRIPTION

Bee Jay Scales

JOB NUMBER

410-189522-1

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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10/8/2024 4:23:04 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: 410-189522-1

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.
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.

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
s	Seeded Control Blank (SCB) Recovery High

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)

Definitions/Glossary

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

Job ID: 410-189522-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 410-189522-1

Job ID: 410-189522-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-189522-1

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

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

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

Receipt

The samples were received on 9/25/2024 9:55 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 2.2°C and 2.3°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 410-558742 recovered above the upper control limit for 1,1,2,2-Tetrachloroethane, n-Butylbenzene, p-Isopropyltoluene, sec-Butylbenzene, tert-Butylbenzene and Tetrahydrofuran. 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-15-W-240923 (410-189522-1), MW-19-W-240924 (410-189522-6), MW-24-W-240924 (410-189522-7), MW-21-W-240924 (410-189522-8) and TB-1-W-240924 (410-189522-9). 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 410-558742 was above the upper control limit for 2-Methylnaphthalene. 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: The continuing calibration verification (CCV) associated with batch 410-558192 recovered above the upper control limit for Dinoseb. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is : MW-21-W-240924 (410-189522-8).

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

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: 410-189522-1

Client Sample ID: MW-15-W-240923

Lab Sample ID: 410-189522-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.015		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	12		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: MW-17-W-240924

Lab Sample ID: 410-189522-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.010		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	3.7		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: EB-1-W-240924

Lab Sample ID: 410-189522-3

No Detections.

Client Sample ID: MW-18-W-240924

Lab Sample ID: 410-189522-4

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	8.8		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: MW-20-W-240924

Lab Sample ID: 410-189522-5

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	4.0		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: MW-19-W-240924

Lab Sample ID: 410-189522-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	4.5	J	5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	16		1.0	0.30	ug/L	1		8260D	Total/NA
Dinoseb (1C)	0.43	J	0.57	0.27	ug/L	1		8151A	Total/NA
Sulfate	75	F1	30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.038		0.0020	0.00068	mg/L	1		6020B	Total
Iron	3.7		0.050	0.020	mg/L	1		6020B	Recoverable Total
Manganese	0.23	B ^2	0.0020	0.00095	mg/L	1		6020B	Recoverable Total
Iron	2.3		0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	220		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	220		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	13		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.32		0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.26		0.10	0.050	mg/L	1		365.1	Total/NA

Client Sample ID: MW-24-W-240924

Lab Sample ID: 410-189522-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	4.4	J	5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	52		1.0	0.30	ug/L	1		8260D	Total/NA
Dinoseb (1C)	2.7	*1	0.58	0.27	ug/L	1		8151A	Total/NA
Sulfate	48		30	10	mg/L	20		EPA 300.0 R2.1	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: 410-189522-1

Client Sample ID: MW-24-W-240924 (Continued)

Lab Sample ID: 410-189522-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0083		0.0020	0.00068	mg/L	1			6020B	Total
										Recoverable
Iron	0.061		0.050	0.020	mg/L	1			6020B	Total
										Recoverable
Manganese	0.010		0.0020	0.00095	mg/L	1			6020B	Total
										Recoverable
Bicarbonate Alkalinity as CaCO3	210		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	210		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Nitrate as N	35		0.10	0.040	mg/L	1			353.2	Total/NA
Nitrite as N	0.020	J	0.050	0.015	mg/L	1			353.2	Total/NA
Total Phosphorus as P	0.055	J	0.10	0.050	mg/L	1			365.1	Total/NA

Client Sample ID: MW-21-W-240924

Lab Sample ID: 410-189522-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2-Dichloropropane	0.62	J	1.0	0.30	ug/L	1			8260D	Total/NA
Sulfate	270		30	10	mg/L	20			EPA 300.0 R2.1	Total/NA
Arsenic	0.0027		0.0020	0.00068	mg/L	1			6020B	Total
										Recoverable
Iron	0.042	J	0.050	0.020	mg/L	1			6020B	Total
										Recoverable
Manganese	2.4	B ^2	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	550		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	550		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Nitrate as N	71		0.10	0.040	mg/L	1			353.2	Total/NA
Nitrite as N	0.66	F1	0.050	0.015	mg/L	1			353.2	Total/NA

Client Sample ID: TB-1-W-240924

Lab Sample ID: 410-189522-9

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: 410-189522-1

Client Sample ID: MW-15-W-240923

Lab Sample ID: 410-189522-1

Date Collected: 09/23/24 15:20

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 16:27	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			10/03/24 16:27	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 16:27	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/03/24 16:27	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/03/24 16:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 16:27	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/03/24 16:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/03/24 16:27	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/03/24 16:27	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/03/24 16:27	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/03/24 16:27	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/03/24 16:27	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 16:27	1
2-Butanone	ND		10	0.50	ug/L			10/03/24 16:27	1
2-Hexanone	ND		10	0.85	ug/L			10/03/24 16:27	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			10/03/24 16:27	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/03/24 16:27	1
Acetone	ND		20	0.70	ug/L			10/03/24 16:27	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/03/24 16:27	1
Benzene	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Bromobenzene	ND		5.0	0.30	ug/L			10/03/24 16:27	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/03/24 16:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/03/24 16:27	1
Bromoform	ND		4.0	1.0	ug/L			10/03/24 16:27	1
Bromomethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/03/24 16:27	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Chloroethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Chloroform	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Chloromethane	ND		2.0	0.55	ug/L			10/03/24 16:27	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 16:27	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 16:27	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/03/24 16:27	1
Dibromomethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Ethyl ether	ND		5.0	0.30	ug/L			10/03/24 16:27	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/03/24 16:27	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/03/24 16:27	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/03/24 16:27	1
Methyl iodide	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/03/24 16:27	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Naphthalene	ND		5.0	1.0	ug/L			10/03/24 16:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-15-W-240923

Lab Sample ID: 410-189522-1

Date Collected: 09/23/24 15:20

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 16:27	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/03/24 16:27	1
o-Xylene	ND		1.0	0.40	ug/L			10/03/24 16:27	1
p-Isopropyltoluene	ND	cn	5.0	0.30	ug/L			10/03/24 16:27	1
sec-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 16:27	1
Styrene	ND		5.0	0.30	ug/L			10/03/24 16:27	1
tert-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 16:27	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Tetrahydrofuran	ND	cn	10	1.6	ug/L			10/03/24 16:27	1
Toluene	ND		1.0	0.30	ug/L			10/03/24 16:27	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/03/24 16:27	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 16:27	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/03/24 16:27	1
Trichloroethene	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/03/24 16:27	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/03/24 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		10/03/24 16:27	1
4-Bromofluorobenzene (Surr)	91		80 - 120		10/03/24 16:27	1
Dibromofluoromethane (Surr)	98		80 - 120		10/03/24 16:27	1
Toluene-d8 (Surr)	104		80 - 120		10/03/24 16:27	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	0.074	ug/L		09/30/24 20:01	10/01/24 11:58	1
Silvex (2,4,5-TP) (1C)	ND		0.057	0.025	ug/L		09/30/24 20:01	10/01/24 11:58	1
2,4-D (1C)	ND		0.68	0.28	ug/L		09/30/24 20:01	10/01/24 11:58	1
2,4-DB (2C)	ND		1.7	0.71	ug/L		09/30/24 20:01	10/01/24 11:58	1
Dichloroprop (1C)	ND		0.57	0.18	ug/L		09/30/24 20:01	10/01/24 11:58	1
Dalapon (1C)	ND		14	6.5	ug/L		09/30/24 20:01	10/01/24 11:58	1
Dicamba (1C)	ND		0.62	0.31	ug/L		09/30/24 20:01	10/01/24 11:58	1
Dinoseb (1C)	ND		0.68	0.32	ug/L		09/30/24 20:01	10/01/24 11:58	1
MCPPP (2C)	ND		230	57	ug/L		09/30/24 20:01	10/01/24 11:58	1
MCPA (1C)	ND		230	57	ug/L		09/30/24 20:01	10/01/24 11:58	1
Pentachlorophenol (1C)	ND		0.079	0.031	ug/L		09/30/24 20:01	10/01/24 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	78		34 - 142	09/30/24 20:01	10/01/24 11:58	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	65		34 - 142	09/30/24 20:01	10/01/24 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015		0.0020	0.00068	mg/L		09/29/24 22:00	10/01/24 02:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	12		0.10	0.040	mg/L			09/26/24 09:21	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/25/24 14:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-17-W-240924

Lab Sample ID: 410-189522-2

Date Collected: 09/24/24 07:30

Matrix: Water

Date Received: 09/25/24 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010		0.0020	0.00068	mg/L		09/29/24 22:00	10/01/24 02:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	3.7		0.10	0.040	mg/L			09/26/24 12:04	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/26/24 10:19	1

Client Sample ID: EB-1-W-240924

Lab Sample ID: 410-189522-3

Date Collected: 09/24/24 07:45

Matrix: Water

Date Received: 09/25/24 09:55

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		09/29/24 22:00	10/01/24 02:42	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			09/26/24 12:04	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/26/24 10:20	1

Client Sample ID: MW-18-W-240924

Lab Sample ID: 410-189522-4

Date Collected: 09/24/24 08:15

Matrix: Water

Date Received: 09/25/24 09:55

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		09/29/24 22:00	10/01/24 02:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	8.8		0.10	0.040	mg/L			09/26/24 12:04	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/26/24 10:20	1

Client Sample ID: MW-20-W-240924

Lab Sample ID: 410-189522-5

Date Collected: 09/24/24 08:50

Matrix: Water

Date Received: 09/25/24 09:55

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		09/29/24 22:00	10/01/24 02:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	4.0		0.10	0.040	mg/L			09/26/24 12:04	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/26/24 10:21	1

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-19-W-240924

Lab Sample ID: 410-189522-6

Date Collected: 09/24/24 09:35

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 16:49	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			10/03/24 16:49	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 16:49	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/03/24 16:49	1
1,2,3-Trichloropropane	4.5	J	5.0	0.30	ug/L			10/03/24 16:49	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 16:49	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/03/24 16:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/03/24 16:49	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/03/24 16:49	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/03/24 16:49	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
1,2-Dichloropropane	16		1.0	0.30	ug/L			10/03/24 16:49	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/03/24 16:49	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/03/24 16:49	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 16:49	1
2-Butanone	ND		10	0.50	ug/L			10/03/24 16:49	1
2-Hexanone	ND		10	0.85	ug/L			10/03/24 16:49	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			10/03/24 16:49	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/03/24 16:49	1
Acetone	ND		20	0.70	ug/L			10/03/24 16:49	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/03/24 16:49	1
Benzene	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Bromobenzene	ND		5.0	0.30	ug/L			10/03/24 16:49	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/03/24 16:49	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/03/24 16:49	1
Bromoform	ND		4.0	1.0	ug/L			10/03/24 16:49	1
Bromomethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/03/24 16:49	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Chloroethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Chloroform	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Chloromethane	ND		2.0	0.55	ug/L			10/03/24 16:49	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 16:49	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 16:49	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/03/24 16:49	1
Dibromomethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Ethyl ether	ND		5.0	0.30	ug/L			10/03/24 16:49	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/03/24 16:49	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/03/24 16:49	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/03/24 16:49	1
Methyl iodide	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/03/24 16:49	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Naphthalene	ND		5.0	1.0	ug/L			10/03/24 16:49	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-19-W-240924

Lab Sample ID: 410-189522-6

Date Collected: 09/24/24 09:35

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 16:49	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/03/24 16:49	1
o-Xylene	ND		1.0	0.40	ug/L			10/03/24 16:49	1
p-Isopropyltoluene	ND	cn	5.0	0.30	ug/L			10/03/24 16:49	1
sec-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 16:49	1
Styrene	ND		5.0	0.30	ug/L			10/03/24 16:49	1
tert-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 16:49	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Tetrahydrofuran	ND	cn	10	1.6	ug/L			10/03/24 16:49	1
Toluene	ND		1.0	0.30	ug/L			10/03/24 16:49	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/03/24 16:49	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 16:49	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/03/24 16:49	1
Trichloroethene	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/03/24 16:49	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/03/24 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		10/03/24 16:49	1
4-Bromofluorobenzene (Surr)	89		80 - 120		10/03/24 16:49	1
Dibromofluoromethane (Surr)	99		80 - 120		10/03/24 16:49	1
Toluene-d8 (Surr)	104		80 - 120		10/03/24 16:49	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.14	0.062	ug/L		10/01/24 07:18	10/02/24 06:51	1
Silvex (2,4,5-TP) (1C)	ND		0.048	0.021	ug/L		10/01/24 07:18	10/02/24 06:51	1
2,4-D (1C)	ND		0.57	0.24	ug/L		10/01/24 07:18	10/02/24 06:51	1
2,4-DB (1C)	ND		1.4	0.60	ug/L		10/01/24 07:18	10/02/24 06:51	1
Dichlorprop (1C)	ND		0.48	0.15	ug/L		10/01/24 07:18	10/02/24 06:51	1
Dalapon (1C)	ND		12	5.4	ug/L		10/01/24 07:18	10/02/24 06:51	1
Dicamba (1C)	ND		0.53	0.26	ug/L		10/01/24 07:18	10/02/24 06:51	1
Dinoseb (1C)	0.43	J	0.57	0.27	ug/L		10/01/24 07:18	10/02/24 06:51	1
MCPP (1C)	ND		190	48	ug/L		10/01/24 07:18	10/02/24 06:51	1
MCPA (1C)	ND		190	48	ug/L		10/01/24 07:18	10/02/24 06:51	1
Pentachlorophenol (1C)	ND		0.067	0.026	ug/L		10/01/24 07:18	10/02/24 06:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	77		34 - 142	10/01/24 07:18	10/02/24 06:51	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	68		34 - 142	10/01/24 07:18	10/02/24 06:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	75	F1	30	10	mg/L			10/01/24 10:44	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038		0.0020	0.00068	mg/L		09/29/24 22:00	10/01/24 02:40	1
Iron	3.7		0.050	0.020	mg/L		09/29/24 22:00	10/01/24 02:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-19-W-240924

Lab Sample ID: 410-189522-6

Date Collected: 09/24/24 09:35

Matrix: Water

Date Received: 09/25/24 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.23	B ^2	0.0020	0.00095	mg/L		09/29/24 22:00	10/01/24 02:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.3		0.052	0.021	mg/L		10/01/24 08:30	10/08/24 11:54	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			09/28/24 15:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/28/24 15:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	220		8.0	2.6	mg/L			09/28/24 15:10	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	220		8.0	2.6	mg/L			09/28/24 15:10	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/28/24 15:10	1
Nitrate as N (EPA 353.2)	13		0.10	0.040	mg/L			09/26/24 12:04	1
Nitrite as N (EPA 353.2)	0.32		0.050	0.015	mg/L			09/26/24 10:21	1
Total Phosphorus as P (EPA 365.1)	0.26		0.10	0.050	mg/L		09/30/24 01:35	09/30/24 12:33	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/26/24 11:10	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			09/27/24 13:59	1

Client Sample ID: MW-24-W-240924

Lab Sample ID: 410-189522-7

Date Collected: 09/24/24 11:05

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 17:12	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			10/03/24 17:12	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:12	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/03/24 17:12	1
1,2,3-Trichloropropane	4.4	J	5.0	0.30	ug/L			10/03/24 17:12	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 17:12	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/03/24 17:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/03/24 17:12	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/03/24 17:12	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/03/24 17:12	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
1,2-Dichloropropane	52		1.0	0.30	ug/L			10/03/24 17:12	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:12	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/03/24 17:12	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 17:12	1
2-Butanone	ND		10	0.50	ug/L			10/03/24 17:12	1
2-Hexanone	ND		10	0.85	ug/L			10/03/24 17:12	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			10/03/24 17:12	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/03/24 17:12	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-24-W-240924

Lab Sample ID: 410-189522-7

Date Collected: 09/24/24 11:05

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 17:12	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/03/24 17:12	1
Benzene	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Bromobenzene	ND		5.0	0.30	ug/L			10/03/24 17:12	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/03/24 17:12	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/03/24 17:12	1
Bromoform	ND		4.0	1.0	ug/L			10/03/24 17:12	1
Bromomethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/03/24 17:12	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Chloroethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Chloroform	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Chloromethane	ND		2.0	0.55	ug/L			10/03/24 17:12	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:12	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 17:12	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/03/24 17:12	1
Dibromomethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Ethyl ether	ND		5.0	0.30	ug/L			10/03/24 17:12	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/03/24 17:12	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:12	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/03/24 17:12	1
Methyl iodide	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/03/24 17:12	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Naphthalene	ND		5.0	1.0	ug/L			10/03/24 17:12	1
n-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 17:12	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:12	1
o-Xylene	ND		1.0	0.40	ug/L			10/03/24 17:12	1
p-Isopropyltoluene	ND	cn	5.0	0.30	ug/L			10/03/24 17:12	1
sec-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 17:12	1
Styrene	ND		5.0	0.30	ug/L			10/03/24 17:12	1
tert-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 17:12	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Tetrahydrofuran	ND	cn	10	1.6	ug/L			10/03/24 17:12	1
Toluene	ND		1.0	0.30	ug/L			10/03/24 17:12	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/03/24 17:12	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 17:12	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/03/24 17:12	1
Trichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/03/24 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120					10/03/24 17:12	1
4-Bromofluorobenzene (Surr)	89		80 - 120					10/03/24 17:12	1
Dibromofluoromethane (Surr)	98		80 - 120					10/03/24 17:12	1
Toluene-d8 (Surr)	105		80 - 120					10/03/24 17:12	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-24-W-240924

Lab Sample ID: 410-189522-7

Date Collected: 09/24/24 11:05

Matrix: Water

Date Received: 09/25/24 09:55

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.15	0.063	ug/L		10/01/24 07:18	10/02/24 07:20	1
Silvex (2,4,5-TP) (1C)	ND		0.049	0.021	ug/L		10/01/24 07:18	10/02/24 07:20	1
2,4-D (1C)	ND		0.58	0.24	ug/L		10/01/24 07:18	10/02/24 07:20	1
2,4-DB (1C)	ND		1.5	0.61	ug/L		10/01/24 07:18	10/02/24 07:20	1
Dichlorprop (1C)	ND		0.49	0.16	ug/L		10/01/24 07:18	10/02/24 07:20	1
Dalapon (1C)	ND		12	5.5	ug/L		10/01/24 07:18	10/02/24 07:20	1
Dicamba (1C)	ND		0.54	0.26	ug/L		10/01/24 07:18	10/02/24 07:20	1
Dinoseb (1C)	2.7	*1	0.58	0.27	ug/L		10/01/24 07:18	10/02/24 07:20	1
MCPD (1C)	ND		190	49	ug/L		10/01/24 07:18	10/02/24 07:20	1
MCPA (1C)	ND		190	49	ug/L		10/01/24 07:18	10/02/24 07:20	1
Pentachlorophenol (1C)	ND		0.068	0.026	ug/L		10/01/24 07:18	10/02/24 07:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	82		34 - 142	10/01/24 07:18	10/02/24 07:20	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	72		34 - 142	10/01/24 07:18	10/02/24 07:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	48		30	10	mg/L			10/01/24 11:17	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		09/29/24 22:00	10/01/24 02:44	1
Iron	0.061		0.050	0.020	mg/L		09/29/24 22:00	10/01/24 02:44	1
Manganese	0.010		0.0020	0.00095	mg/L		09/29/24 22:00	10/01/24 18:05	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		10/01/24 08:30	10/08/24 12:02	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			09/27/24 22:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/27/24 22:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	210		8.0	2.6	mg/L			09/27/24 22:57	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	210		8.0	2.6	mg/L			09/27/24 22:57	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/27/24 22:57	1
Nitrate as N (EPA 353.2)	35		0.10	0.040	mg/L			09/26/24 12:04	1
Nitrite as N (EPA 353.2)	0.020	J	0.050	0.015	mg/L			09/26/24 10:21	1
Total Phosphorus as P (EPA 365.1)	0.055	J	0.10	0.050	mg/L		09/30/24 01:35	09/30/24 12:34	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/26/24 11:10	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			09/27/24 14:01	1

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-21-W-240924

Lab Sample ID: 410-189522-8

Date Collected: 09/24/24 12:25

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 17:34	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			10/03/24 17:34	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:34	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/03/24 17:34	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/03/24 17:34	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 17:34	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/03/24 17:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/03/24 17:34	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/03/24 17:34	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/03/24 17:34	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
1,2-Dichloropropane	0.62	J	1.0	0.30	ug/L			10/03/24 17:34	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:34	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/03/24 17:34	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 17:34	1
2-Butanone	ND		10	0.50	ug/L			10/03/24 17:34	1
2-Hexanone	ND		10	0.85	ug/L			10/03/24 17:34	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			10/03/24 17:34	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/03/24 17:34	1
Acetone	ND		20	0.70	ug/L			10/03/24 17:34	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/03/24 17:34	1
Benzene	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Bromobenzene	ND		5.0	0.30	ug/L			10/03/24 17:34	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/03/24 17:34	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/03/24 17:34	1
Bromoform	ND		4.0	1.0	ug/L			10/03/24 17:34	1
Bromomethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/03/24 17:34	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Chloroethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Chloroform	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Chloromethane	ND		2.0	0.55	ug/L			10/03/24 17:34	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:34	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 17:34	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/03/24 17:34	1
Dibromomethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Ethyl ether	ND		5.0	0.30	ug/L			10/03/24 17:34	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/03/24 17:34	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:34	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/03/24 17:34	1
Methyl iodide	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/03/24 17:34	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Naphthalene	ND		5.0	1.0	ug/L			10/03/24 17:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-21-W-240924

Lab Sample ID: 410-189522-8

Date Collected: 09/24/24 12:25

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 17:34	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:34	1
o-Xylene	ND		1.0	0.40	ug/L			10/03/24 17:34	1
p-Isopropyltoluene	ND	cn	5.0	0.30	ug/L			10/03/24 17:34	1
sec-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 17:34	1
Styrene	ND		5.0	0.30	ug/L			10/03/24 17:34	1
tert-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 17:34	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Tetrahydrofuran	ND	cn	10	1.6	ug/L			10/03/24 17:34	1
Toluene	ND		1.0	0.30	ug/L			10/03/24 17:34	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/03/24 17:34	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 17:34	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/03/24 17:34	1
Trichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/03/24 17:34	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/03/24 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		10/03/24 17:34	1
4-Bromofluorobenzene (Surr)	89		80 - 120		10/03/24 17:34	1
Dibromofluoromethane (Surr)	98		80 - 120		10/03/24 17:34	1
Toluene-d8 (Surr)	103		80 - 120		10/03/24 17:34	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	0.077	ug/L		10/01/24 07:18	10/02/24 07:48	1
Silvex (2,4,5-TP) (1C)	ND		0.060	0.026	ug/L		10/01/24 07:18	10/02/24 07:48	1
2,4-D (1C)	ND		0.71	0.30	ug/L		10/01/24 07:18	10/02/24 07:48	1
2,4-DB (1C)	ND		1.8	0.75	ug/L		10/01/24 07:18	10/02/24 07:48	1
Dichloroprop (1C)	ND		0.60	0.19	ug/L		10/01/24 07:18	10/02/24 07:48	1
Dalapon (1C)	ND	*1	15	6.8	ug/L		10/01/24 07:18	10/02/24 07:48	1
Dicamba (1C)	ND		0.65	0.32	ug/L		10/01/24 07:18	10/02/24 07:48	1
Dinoseb (2C)	ND	cn	0.71	0.33	ug/L		10/01/24 07:18	10/02/24 07:48	1
MCPP (1C)	ND		240	60	ug/L		10/01/24 07:18	10/02/24 07:48	1
MCPA (1C)	ND		240	60	ug/L		10/01/24 07:18	10/02/24 07:48	1
Pentachlorophenol (1C)	ND		0.083	0.032	ug/L		10/01/24 07:18	10/02/24 07:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	75		34 - 142	10/01/24 07:18	10/02/24 07:48	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	70		34 - 142	10/01/24 07:18	10/02/24 07:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	270		30	10	mg/L			10/01/24 11:28	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0027		0.0020	0.00068	mg/L		09/29/24 22:00	10/01/24 02:19	1
Iron	0.042	J	0.050	0.020	mg/L		09/29/24 22:00	10/01/24 02:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: MW-21-W-240924

Lab Sample ID: 410-189522-8

Date Collected: 09/24/24 12:25

Matrix: Water

Date Received: 09/25/24 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	2.4	B ^2	0.0020	0.00095	mg/L		09/29/24 22:00	10/01/24 02:19	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		10/01/24 08:30	10/08/24 12:00	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			09/27/24 23:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/27/24 23:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	550		8.0	2.6	mg/L			09/27/24 23:15	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	550		8.0	2.6	mg/L			09/27/24 23:15	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			09/27/24 23:15	1
Nitrate as N (EPA 353.2)	71		0.10	0.040	mg/L			09/26/24 12:04	1
Nitrite as N (EPA 353.2)	0.66	F1	0.050	0.015	mg/L			09/26/24 10:22	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		09/30/24 01:35	09/30/24 12:36	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/26/24 11:10	1
Ammonia as N (EPA 350.1)	ND	F1	0.10	0.050	mg/L			09/27/24 14:16	1

Client Sample ID: TB-1-W-240924

Lab Sample ID: 410-189522-9

Date Collected: 09/24/24 00:00

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 17:57	1
1,1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
1,1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			10/03/24 17:57	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:57	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/03/24 17:57	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/03/24 17:57	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 17:57	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/03/24 17:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/03/24 17:57	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/03/24 17:57	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/03/24 17:57	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:57	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/03/24 17:57	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 17:57	1
2-Butanone	ND		10	0.50	ug/L			10/03/24 17:57	1
2-Hexanone	ND		10	0.85	ug/L			10/03/24 17:57	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			10/03/24 17:57	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/03/24 17:57	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189522-1

Client Sample ID: TB-1-W-240924

Lab Sample ID: 410-189522-9

Date Collected: 09/24/24 00:00

Matrix: Water

Date Received: 09/25/24 09:55

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			10/03/24 17:57	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/03/24 17:57	1
Benzene	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Bromobenzene	ND		5.0	0.30	ug/L			10/03/24 17:57	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/03/24 17:57	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/03/24 17:57	1
Bromoform	ND		4.0	1.0	ug/L			10/03/24 17:57	1
Bromomethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/03/24 17:57	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Chloroethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Chloroform	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Chloromethane	ND		2.0	0.55	ug/L			10/03/24 17:57	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:57	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 17:57	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/03/24 17:57	1
Dibromomethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Ethyl ether	ND		5.0	0.30	ug/L			10/03/24 17:57	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/03/24 17:57	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:57	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/03/24 17:57	1
Methyl iodide	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/03/24 17:57	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Naphthalene	ND		5.0	1.0	ug/L			10/03/24 17:57	1
n-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 17:57	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/03/24 17:57	1
o-Xylene	ND		1.0	0.40	ug/L			10/03/24 17:57	1
p-Isopropyltoluene	ND	cn	5.0	0.30	ug/L			10/03/24 17:57	1
sec-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 17:57	1
Styrene	ND		5.0	0.30	ug/L			10/03/24 17:57	1
tert-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/03/24 17:57	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Tetrahydrofuran	ND	cn	10	1.6	ug/L			10/03/24 17:57	1
Toluene	ND		1.0	0.30	ug/L			10/03/24 17:57	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/03/24 17:57	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 17:57	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/03/24 17:57	1
Trichloroethene	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/03/24 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120					10/03/24 17:57	1
4-Bromofluorobenzene (Surr)	89		80 - 120					10/03/24 17:57	1
Dibromofluoromethane (Surr)	98		80 - 120					10/03/24 17:57	1
Toluene-d8 (Surr)	105		80 - 120					10/03/24 17:57	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Surrogate Summary

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

Job ID: 410-189522-1

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)
410-189522-1	MW-15-W-240923	103	91	98	104
410-189522-6	MW-19-W-240924	102	89	99	104
410-189522-7	MW-24-W-240924	98	89	98	105
410-189522-8	MW-21-W-240924	101	89	98	103
410-189522-9	TB-1-W-240924	101	89	98	105
LCS 410-558742/5	Lab Control Sample	102	91	94	107
MB 410-558742/8	Method Blank	103	90	96	108

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)
410-189522-1	MW-15-W-240923	78	65
410-189522-6	MW-19-W-240924	77	68
410-189522-7	MW-24-W-240924	82	72
410-189522-8	MW-21-W-240924	75	70
LCS 410-557595/2-A	Lab Control Sample	78	74
LCS 410-557696/2-A	Lab Control Sample	90	94
LCSD 410-557595/3-A	Lab Control Sample Dup	84	73
LCSD 410-557696/3-A	Lab Control Sample Dup	91	100
MB 410-557595/1-A	Method Blank	74	71
MB 410-557696/1-A	Method Blank	82	72

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: MB 410-558742/8

Matrix: Water

Analysis Batch: 558742

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			10/03/24 10:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 10:13	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/03/24 10:13	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/03/24 10:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/03/24 10:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/03/24 10:13	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/03/24 10:13	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/03/24 10:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/03/24 10:13	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
2-Butanone	ND		10	0.50	ug/L			10/03/24 10:13	1
2-Hexanone	ND		10	0.85	ug/L			10/03/24 10:13	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/03/24 10:13	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/03/24 10:13	1
Acetone	ND		20	0.70	ug/L			10/03/24 10:13	1
Acrylonitrile	ND		20	1.6	ug/L			10/03/24 10:13	1
Benzene	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Bromobenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/03/24 10:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/03/24 10:13	1
Bromoform	ND		4.0	1.0	ug/L			10/03/24 10:13	1
Bromomethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/03/24 10:13	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Chloroethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Chloroform	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Chloromethane	ND		2.0	0.55	ug/L			10/03/24 10:13	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/03/24 10:13	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 10:13	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/03/24 10:13	1
Dibromomethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Ethyl ether	ND		5.0	0.30	ug/L			10/03/24 10:13	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/03/24 10:13	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/03/24 10:13	1
Methyl iodide	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/03/24 10:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/03/24 10:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: MB 410-558742/8

Matrix: Water

Analysis Batch: 558742

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			10/03/24 10:13	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
o-Xylene	ND		1.0	0.40	ug/L			10/03/24 10:13	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
Styrene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/03/24 10:13	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/03/24 10:13	1
Toluene	ND		1.0	0.30	ug/L			10/03/24 10:13	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/03/24 10:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/03/24 10:13	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/03/24 10:13	1
Trichloroethene	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/03/24 10:13	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/03/24 10:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		10/03/24 10:13	1
4-Bromofluorobenzene (Surr)	90		80 - 120		10/03/24 10:13	1
Dibromofluoromethane (Surr)	96		80 - 120		10/03/24 10:13	1
Toluene-d8 (Surr)	108		80 - 120		10/03/24 10:13	1

Lab Sample ID: LCS 410-558742/5

Matrix: Water

Analysis Batch: 558742

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	20.8		ug/L		104	79 - 120
1,1,1-Trichloroethane	20.0	17.4		ug/L		87	73 - 120
1,1,2,2-Tetrachloroethane	20.0	23.7		ug/L		118	72 - 120
1,1,2-Trichloroethane	20.0	21.9		ug/L		110	80 - 120
1,1-Dichloroethane	20.0	20.5		ug/L		102	80 - 120
1,1-Dichloroethene	20.0	18.9		ug/L		94	80 - 131
1,2,3-Trichlorobenzene	20.0	20.8		ug/L		104	66 - 120
1,2,3-Trichloropropane	20.0	21.0		ug/L		105	75 - 124
1,2,4-Trichlorobenzene	20.0	21.4		ug/L		107	63 - 120
1,2,4-Trimethylbenzene	20.0	21.1		ug/L		106	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	20.4		ug/L		102	60 - 120
1,2-Dibromoethane	20.0	21.0		ug/L		105	77 - 120
1,2-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 120
1,2-Dichloroethane	20.0	18.8		ug/L		94	73 - 124
1,2-Dichloropropane	20.0	21.1		ug/L		105	80 - 120
1,3,5-Trimethylbenzene	20.0	21.8		ug/L		109	75 - 120
1,3-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 120
1,4-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 120
2-Butanone	250	287		ug/L		115	59 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: LCS 410-558742/5

Matrix: Water

Analysis Batch: 558742

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	294		ug/L		118	56 - 135
2-Methylnaphthalene	20.0	18.8		ug/L		94	34 - 120
4-Methyl-2-pentanone	250	265		ug/L		106	62 - 133
Acetone	250	280		ug/L		112	57 - 143
Acrylonitrile	100	116		ug/L		116	60 - 129
Benzene	20.0	20.0		ug/L		100	80 - 120
Bromobenzene	20.0	21.0		ug/L		105	80 - 120
Bromochloromethane	20.0	18.9		ug/L		95	80 - 120
Bromodichloromethane	20.0	19.4		ug/L		97	71 - 120
Bromoform	20.0	20.3		ug/L		101	51 - 120
Bromomethane	20.0	16.7		ug/L		83	53 - 128
Carbon disulfide	20.0	19.2		ug/L		96	65 - 128
Carbon tetrachloride	20.0	17.9		ug/L		89	64 - 134
Chlorobenzene	20.0	20.7		ug/L		104	80 - 120
Chloroethane	20.0	20.5		ug/L		103	55 - 123
Chloroform	20.0	18.3		ug/L		92	80 - 120
Chloromethane	20.0	21.4		ug/L		107	39 - 134
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 125
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	75 - 120
Dibromochloromethane	20.0	22.1		ug/L		110	71 - 120
Dibromomethane	20.0	18.7		ug/L		94	80 - 120
Dichlorodifluoromethane	20.0	19.4		ug/L		97	26 - 127
Ethyl ether	19.9	19.7		ug/L		99	13 - 161
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120
Isopropylbenzene	20.0	21.3		ug/L		106	80 - 120
m&p-Xylene	40.0	39.9		ug/L		100	80 - 120
Methyl iodide	20.0	16.4		ug/L		82	63 - 125
Methyl tertiary butyl ether	20.0	17.4		ug/L		87	69 - 122
Methylene Chloride	20.0	18.4		ug/L		92	80 - 120
Naphthalene	20.0	21.0		ug/L		105	67 - 124
n-Butylbenzene	20.0	21.9		ug/L		110	76 - 120
N-Propylbenzene	20.0	22.3		ug/L		112	79 - 121
o-Xylene	20.0	19.8		ug/L		99	80 - 120
p-Isopropyltoluene	20.0	21.8		ug/L		109	76 - 120
sec-Butylbenzene	20.0	23.0		ug/L		115	77 - 120
Styrene	20.0	19.0		ug/L		95	80 - 120
tert-Butylbenzene	20.0	23.1		ug/L		116	78 - 120
Tetrachloroethene	20.0	20.5		ug/L		102	80 - 120
Tetrahydrofuran	100	116		ug/L		116	65 - 135
Toluene	20.0	21.5		ug/L		107	80 - 120
trans-1,2-Dichloroethene	20.0	18.9		ug/L		94	80 - 126
trans-1,3-Dichloropropene	20.0	21.0		ug/L		105	67 - 120
trans-1,4-Dichloro-2-butene	100	63.8		ug/L		64	33 - 143
Trichloroethene	20.0	19.0		ug/L		95	80 - 120
Trichlorofluoromethane	20.0	16.1		ug/L		81	51 - 120
Vinyl chloride	20.0	20.0		ug/L		100	56 - 120

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: LCS 410-558742/5

Matrix: Water

Analysis Batch: 558742

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)	91		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120
Toluene-d8 (Surr)	107		80 - 120

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-557595/1-A

Matrix: Water

Analysis Batch: 557626

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557595

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.15	0.065	ug/L		09/30/24 20:01	10/01/24 07:13	1
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		09/30/24 20:01	10/01/24 07:13	1
2,4-D (1C)	ND		0.60	0.25	ug/L		09/30/24 20:01	10/01/24 07:13	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		09/30/24 20:01	10/01/24 07:13	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		09/30/24 20:01	10/01/24 07:13	1
Dalapon (1C)	ND		12	5.7	ug/L		09/30/24 20:01	10/01/24 07:13	1
Dicamba (1C)	ND		0.55	0.27	ug/L		09/30/24 20:01	10/01/24 07:13	1
Dinoseb (1C)	ND		0.60	0.28	ug/L		09/30/24 20:01	10/01/24 07:13	1
MCPPE (1C)	ND		200	50	ug/L		09/30/24 20:01	10/01/24 07:13	1
MCPA (1C)	ND		200	50	ug/L		09/30/24 20:01	10/01/24 07:13	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		09/30/24 20:01	10/01/24 07:13	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	74		34 - 142				09/30/24 20:01	10/01/24 07:13	1
(1C)									
2,4-Dichlorophenylacetic acid (Surr)	71		34 - 142				09/30/24 20:01	10/01/24 07:13	1
(2C)									

Lab Sample ID: LCS 410-557595/2-A

Matrix: Water

Analysis Batch: 557626

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 557595

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
2,4,5-T (1C)	0.250	0.223		ug/L		89	57 - 171		
Silvex (2,4,5-TP) (1C)	0.250	0.241		ug/L		96	62 - 170		
2,4-D (1C)	2.50	2.09		ug/L		84	53 - 159		
2,4-DB (2C)	2.50	2.01		ug/L		80	27 - 159		
Dichlorprop (1C)	2.51	2.51		ug/L		100	60 - 151		
Dalapon (1C)	6.26	ND		ug/L		62	26 - 115		
Dicamba (1C)	0.250	ND		ug/L		80	49 - 140		
Dinoseb (2C)	1.25	1.08		ug/L		86	10 - 169		
MCPPE (2C)	251	201		ug/L		80	50 - 144		
MCPA (1C)	496	435		ug/L		88	24 - 144		
Pentachlorophenol (2C)	0.199	0.196		ug/L		99	56 - 185		

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: LCS 410-557595/2-A

Matrix: Water

Analysis Batch: 557626

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 557595

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	78		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	74		34 - 142

Lab Sample ID: LCSD 410-557595/3-A

Matrix: Water

Analysis Batch: 557626

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 557595

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T (1C)	0.250	0.221		ug/L		89	57 - 171	1	30
Silvex (2,4,5-TP) (1C)	0.250	0.235		ug/L		94	62 - 170	3	30
2,4-D (1C)	2.50	2.10		ug/L		84	53 - 159	0	30
2,4-DB (1C)	2.50	2.35		ug/L		94	27 - 159	16	30
Dichlorprop (1C)	2.51	2.56		ug/L		102	60 - 151	2	30
Dalapon (1C)	6.26	ND		ug/L		82	26 - 115	28	30
Dicamba (1C)	0.250	ND		ug/L		81	49 - 140	1	30
Dinoseb (1C)	1.25	1.12		ug/L		89	10 - 169	4	30
MCPD (2C)	251	200		ug/L		80	50 - 144	0	30
MCPA (1C)	496	459		ug/L		93	24 - 144	5	30
Pentachlorophenol (2C)	0.199	0.209		ug/L		105	56 - 185	6	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	84		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	73		34 - 142

Lab Sample ID: MB 410-557696/1-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557696

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		10/01/24 07:18	10/02/24 05:27	1
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		10/01/24 07:18	10/02/24 05:27	1
2,4-D (1C)	ND		0.60	0.25	ug/L		10/01/24 07:18	10/02/24 05:27	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dalapon (1C)	ND		12	5.7	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dicamba (1C)	ND		0.55	0.27	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dinoseb (1C)	ND		0.60	0.28	ug/L		10/01/24 07:18	10/02/24 05:27	1
MCPD (1C)	ND		200	50	ug/L		10/01/24 07:18	10/02/24 05:27	1
MCPA (1C)	ND		200	50	ug/L		10/01/24 07:18	10/02/24 05:27	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		10/01/24 07:18	10/02/24 05:27	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
2,4-Dichlorophenylacetic acid (Surr) (1C)	82		34 - 142	10/01/24 07:18	10/02/24 05:27	1			

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: MB 410-557696/1-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557696

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (2C)	72		34 - 142	10/01/24 07:18	10/02/24 05:27	1

Lab Sample ID: LCS 410-557696/2-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 557696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T (2C)	0.250	0.313		ug/L		125	57 - 171
Silvex (2,4,5-TP) (2C)	0.250	0.322		ug/L		129	62 - 170
2,4-D (2C)	2.50	2.75		ug/L		110	53 - 159
2,4-DB (2C)	2.50	3.08		ug/L		123	27 - 159
Dichlorprop (1C)	2.51	2.33		ug/L		93	60 - 151
Dalapon (2C)	6.26	ND		ug/L		48	26 - 115
Dicamba (1C)	0.250	ND		ug/L		95	49 - 140
Dinoseb (2C)	1.25	ND		ug/L		15	10 - 169
MCPD (1C)	251	277		ug/L		111	50 - 144
MCPA (1C)	496	466		ug/L		94	24 - 144
Pentachlorophenol (2C)	0.199	0.236		ug/L		119	56 - 185

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	90		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	94		34 - 142

Lab Sample ID: LCSD 410-557696/3-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 557696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T (2C)	0.250	0.314		ug/L		126	57 - 171	0	30
Silvex (2,4,5-TP) (2C)	0.250	0.325		ug/L		130	62 - 170	1	30
2,4-D (2C)	2.50	2.91		ug/L		116	53 - 159	6	30
2,4-DB (2C)	2.50	3.13		ug/L		125	27 - 159	2	30
Dichlorprop (1C)	2.51	2.37		ug/L		94	60 - 151	1	30
Dalapon (1C)	6.26	ND	*1	ug/L		71	26 - 115	38	30
Dicamba (1C)	0.250	ND		ug/L		97	49 - 140	2	30
Dinoseb (2C)	1.25	ND		ug/L		15	10 - 169	1	30
MCPD (1C)	251	281		ug/L		112	50 - 144	1	30
MCPA (1C)	496	472		ug/L		95	24 - 144	1	30
Pentachlorophenol (2C)	0.199	0.254		ug/L		128	56 - 185	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	91		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	100		34 - 142

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: MB 410-557611/5

Matrix: Water

Analysis Batch: 557611

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			10/01/24 10:10	1

Lab Sample ID: LCS 410-557611/3

Matrix: Water

Analysis Batch: 557611

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	7.27		mg/L		97	90 - 110

Lab Sample ID: LCSD 410-557611/4

Matrix: Water

Analysis Batch: 557611

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	7.26		mg/L		97	90 - 110	0	20

Lab Sample ID: 410-189522-6 MS

Matrix: Water

Analysis Batch: 557611

Client Sample ID: MW-19-W-240924

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	75	F1	100	187	F1	mg/L		113	90 - 110

Lab Sample ID: 410-189522-6 DU

Matrix: Water

Analysis Batch: 557611

Client Sample ID: MW-19-W-240924

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	75	F1	75.1		mg/L		0.4	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-557332/1-A

Matrix: Water

Analysis Batch: 560773

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		10/01/24 08:30	10/08/24 11:07	1

Lab Sample ID: LCS 410-557332/2-A

Matrix: Water

Analysis Batch: 560773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 557332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.56		mg/L		111	90 - 111

QC Sample Results

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

Job ID: 410-189522-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-556805/1-A
Matrix: Water
Analysis Batch: 557661

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 556805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		09/29/24 22:00	10/01/24 01:37	1
Iron	ND		0.050	0.020	mg/L		09/29/24 22:00	10/01/24 01:37	1
Manganese	0.00117	J	0.0020	0.00095	mg/L		09/29/24 22:00	10/01/24 01:37	1

Lab Sample ID: MB 410-556805/1-A
Matrix: Water
Analysis Batch: 558157

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 556805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.00095	mg/L		09/29/24 22:00	10/01/24 17:23	1

Lab Sample ID: LCS 410-556805/2-A
Matrix: Water
Analysis Batch: 557661

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 556805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.525		mg/L		105	90 - 109
Iron	5.00	5.24		mg/L		105	90 - 111
Manganese	0.500	0.549		mg/L		110	90 - 111

Lab Sample ID: LCSD 410-556805/3-A
Matrix: Water
Analysis Batch: 557661

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 556805

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.500	0.529		mg/L		106	90 - 109	1	20
Iron	5.00	5.25		mg/L		105	90 - 111	0	20
Manganese	0.500	0.528		mg/L		106	90 - 111	4	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-556881/136
Matrix: Water
Analysis Batch: 556881

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			09/28/24 12:22	1

Lab Sample ID: MB 410-556881/70
Matrix: Water
Analysis Batch: 556881

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			09/27/24 20:40	1

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: LCS 410-556881/137

Matrix: Water

Analysis Batch: 556881

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	175		mg/L		93	80 - 110

Lab Sample ID: LCS 410-556881/71

Matrix: Water

Analysis Batch: 556881

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	174		mg/L		92	80 - 110

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-555582/14

Matrix: Water

Analysis Batch: 555582

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			09/25/24 14:53	1

Lab Sample ID: LCS 410-555582/12

Matrix: Water

Analysis Batch: 555582

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	0.500		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-555582/13

Matrix: Water

Analysis Batch: 555582

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	0.496		mg/L		99	90 - 110	1	20

Lab Sample ID: 410-189522-1 MS

Matrix: Water

Analysis Batch: 555582

Client Sample ID: MW-15-W-240923

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND		0.200	0.197		mg/L		98	90 - 110

Lab Sample ID: 410-189522-1 DU

Matrix: Water

Analysis Batch: 555582

Client Sample ID: MW-15-W-240923

Prep Type: Total/NA

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

QC Sample Results

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

Job ID: 410-189522-1

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: MB 410-555994/14

Matrix: Water

Analysis Batch: 555994

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			09/26/24 10:16	1

Lab Sample ID: LCS 410-555994/12

Matrix: Water

Analysis Batch: 555994

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	0.478		mg/L		96	90 - 110

Lab Sample ID: LCSD 410-555994/13

Matrix: Water

Analysis Batch: 555994

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	0.474		mg/L		95	90 - 110	1	20

Lab Sample ID: 410-189522-8 MS

Matrix: Water

Analysis Batch: 555994

Client Sample ID: MW-21-W-240924

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.66	F1	0.200	0.830	F1	mg/L		84	90 - 110

Lab Sample ID: 410-189522-8 DU

Matrix: Water

Analysis Batch: 555994

Client Sample ID: MW-21-W-240924

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	0.66	F1	0.665		mg/L		0.4	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 410-556310/1-A

Matrix: Water

Analysis Batch: 557378

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 556310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		09/30/24 01:35	09/30/24 12:32	1

Lab Sample ID: LCS 410-556310/2-A

Matrix: Water

Analysis Batch: 557378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 556310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.67	1.79		mg/L		108	90 - 110

QC Sample Results

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

Job ID: 410-189522-1

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

Lab Sample ID: SCB 410-558040/4

Matrix: Water

Analysis Batch: 558040

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	1.05	s	0.0000010	0.0000010	mg/L			09/26/24 11:10	1

Lab Sample ID: USB 410-558040/2

Matrix: Water

Analysis Batch: 558040

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	ND		0.0000010	0.0000010	mg/L			09/26/24 11:10	1

Lab Sample ID: LCS 410-558040/5

Matrix: Water

Analysis Batch: 558040

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	196	177		mg/L		90	84.5 - 115. 96 154

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-556668/123

Matrix: Water

Analysis Batch: 556668

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			09/27/24 14:14	1

Lab Sample ID: MB 410-556668/55

Matrix: Water

Analysis Batch: 556668

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			09/27/24 11:52	1

Lab Sample ID: MB 410-556668/89

Matrix: Water

Analysis Batch: 556668

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			09/27/24 13:03	1

Lab Sample ID: LCS 410-556668/121

Matrix: Water

Analysis Batch: 556668

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	1.96		mg/L		98	90 - 110

QC Sample Results

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

Job ID: 410-189522-1

Method: EPA 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 410-556668/87

Matrix: Water

Analysis Batch: 556668

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	2.06		mg/L		103	90 - 110

Lab Sample ID: LCSD 410-556668/122

Matrix: Water

Analysis Batch: 556668

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	1.97		mg/L		98	90 - 110	0	15

Lab Sample ID: LCSD 410-556668/88

Matrix: Water

Analysis Batch: 556668

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	1	15

Lab Sample ID: 410-189522-8 MS

Matrix: Water

Analysis Batch: 556668

Client Sample ID: MW-21-W-240924

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	2.44		mg/L		98	90 - 110

Lab Sample ID: 410-189522-8 DU

Matrix: Water

Analysis Batch: 556668

Client Sample ID: MW-21-W-240924

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: 410-189522-1

GC/MS VOA

Analysis Batch: 558742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-1	MW-15-W-240923	Total/NA	Water	8260D	
410-189522-6	MW-19-W-240924	Total/NA	Water	8260D	
410-189522-7	MW-24-W-240924	Total/NA	Water	8260D	
410-189522-8	MW-21-W-240924	Total/NA	Water	8260D	
410-189522-9	TB-1-W-240924	Total/NA	Water	8260D	
MB 410-558742/8	Method Blank	Total/NA	Water	8260D	
LCS 410-558742/5	Lab Control Sample	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 557595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-1	MW-15-W-240923	Total/NA	Water	8151A	
MB 410-557595/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-557595/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-557595/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 557626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-1	MW-15-W-240923	Total/NA	Water	8151A	557595
MB 410-557595/1-A	Method Blank	Total/NA	Water	8151A	557595
LCS 410-557595/2-A	Lab Control Sample	Total/NA	Water	8151A	557595
LCSD 410-557595/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	557595

Prep Batch: 557696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Total/NA	Water	8151A	
410-189522-7	MW-24-W-240924	Total/NA	Water	8151A	
410-189522-8	MW-21-W-240924	Total/NA	Water	8151A	
MB 410-557696/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-557696/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-557696/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 558192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Total/NA	Water	8151A	557696
410-189522-7	MW-24-W-240924	Total/NA	Water	8151A	557696
410-189522-8	MW-21-W-240924	Total/NA	Water	8151A	557696
MB 410-557696/1-A	Method Blank	Total/NA	Water	8151A	557696
LCS 410-557696/2-A	Lab Control Sample	Total/NA	Water	8151A	557696
LCSD 410-557696/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	557696

HPLC/IC

Analysis Batch: 557611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Total/NA	Water	EPA 300.0 R2.1	
410-189522-7	MW-24-W-240924	Total/NA	Water	EPA 300.0 R2.1	
410-189522-8	MW-21-W-240924	Total/NA	Water	EPA 300.0 R2.1	
MB 410-557611/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-557611/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-557611/4	Lab Control Sample Dup	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: 410-189522-1

HPLC/IC (Continued)

Analysis Batch: 557611 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6 MS	MW-19-W-240924	Total/NA	Water	EPA 300.0 R2.1	
410-189522-6 DU	MW-19-W-240924	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 556805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-1	MW-15-W-240923	Total Recoverable	Water	3005A	
410-189522-2	MW-17-W-240924	Total Recoverable	Water	3005A	
410-189522-3	EB-1-W-240924	Total Recoverable	Water	3005A	
410-189522-4	MW-18-W-240924	Total Recoverable	Water	3005A	
410-189522-5	MW-20-W-240924	Total Recoverable	Water	3005A	
410-189522-6	MW-19-W-240924	Total Recoverable	Water	3005A	
410-189522-7	MW-24-W-240924	Total Recoverable	Water	3005A	
410-189522-8	MW-21-W-240924	Total Recoverable	Water	3005A	
MB 410-556805/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-556805/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 410-556805/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 557332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Dissolved	Water	Non-Digest Prep	
410-189522-7	MW-24-W-240924	Dissolved	Water	Non-Digest Prep	
410-189522-8	MW-21-W-240924	Dissolved	Water	Non-Digest Prep	
MB 410-557332/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-557332/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 557661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-1	MW-15-W-240923	Total Recoverable	Water	6020B	556805
410-189522-2	MW-17-W-240924	Total Recoverable	Water	6020B	556805
410-189522-3	EB-1-W-240924	Total Recoverable	Water	6020B	556805
410-189522-4	MW-18-W-240924	Total Recoverable	Water	6020B	556805
410-189522-5	MW-20-W-240924	Total Recoverable	Water	6020B	556805
410-189522-6	MW-19-W-240924	Total Recoverable	Water	6020B	556805
410-189522-7	MW-24-W-240924	Total Recoverable	Water	6020B	556805
410-189522-8	MW-21-W-240924	Total Recoverable	Water	6020B	556805
MB 410-556805/1-A	Method Blank	Total Recoverable	Water	6020B	556805
LCS 410-556805/2-A	Lab Control Sample	Total Recoverable	Water	6020B	556805
LCSD 410-556805/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	556805

Analysis Batch: 558157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-7	MW-24-W-240924	Total Recoverable	Water	6020B	556805
MB 410-556805/1-A	Method Blank	Total Recoverable	Water	6020B	556805

Analysis Batch: 560773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Dissolved	Water	6020B	557332
410-189522-7	MW-24-W-240924	Dissolved	Water	6020B	557332
410-189522-8	MW-21-W-240924	Dissolved	Water	6020B	557332

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189522-1

Metals (Continued)

Analysis Batch: 560773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-557332/1-A	Method Blank	Total/NA	Water	6020B	557332
LCS 410-557332/2-A	Lab Control Sample	Total/NA	Water	6020B	557332

General Chemistry

Analysis Batch: 555582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-1	MW-15-W-240923	Total/NA	Water	353.2	
MB 410-555582/14	Method Blank	Total/NA	Water	353.2	
LCS 410-555582/12	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-555582/13	Lab Control Sample Dup	Total/NA	Water	353.2	
410-189522-1 MS	MW-15-W-240923	Total/NA	Water	353.2	
410-189522-1 DU	MW-15-W-240923	Total/NA	Water	353.2	

Analysis Batch: 555935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-1	MW-15-W-240923	Total/NA	Water	353.2	
410-189522-2	MW-17-W-240924	Total/NA	Water	353.2	
410-189522-3	EB-1-W-240924	Total/NA	Water	353.2	
410-189522-4	MW-18-W-240924	Total/NA	Water	353.2	
410-189522-5	MW-20-W-240924	Total/NA	Water	353.2	
410-189522-6	MW-19-W-240924	Total/NA	Water	353.2	
410-189522-7	MW-24-W-240924	Total/NA	Water	353.2	
410-189522-8	MW-21-W-240924	Total/NA	Water	353.2	

Analysis Batch: 555994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-2	MW-17-W-240924	Total/NA	Water	353.2	
410-189522-3	EB-1-W-240924	Total/NA	Water	353.2	
410-189522-4	MW-18-W-240924	Total/NA	Water	353.2	
410-189522-5	MW-20-W-240924	Total/NA	Water	353.2	
410-189522-6	MW-19-W-240924	Total/NA	Water	353.2	
410-189522-7	MW-24-W-240924	Total/NA	Water	353.2	
410-189522-8	MW-21-W-240924	Total/NA	Water	353.2	
MB 410-555994/14	Method Blank	Total/NA	Water	353.2	
LCS 410-555994/12	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-555994/13	Lab Control Sample Dup	Total/NA	Water	353.2	
410-189522-8 MS	MW-21-W-240924	Total/NA	Water	353.2	
410-189522-8 DU	MW-21-W-240924	Total/NA	Water	353.2	

Prep Batch: 556310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Total/NA	Water	365.1	
410-189522-7	MW-24-W-240924	Total/NA	Water	365.1	
410-189522-8	MW-21-W-240924	Total/NA	Water	365.1	
MB 410-556310/1-A	Method Blank	Total/NA	Water	365.1	
LCS 410-556310/2-A	Lab Control Sample	Total/NA	Water	365.1	

Analysis Batch: 556668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	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: 410-189522-1

General Chemistry (Continued)

Analysis Batch: 556668 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-7	MW-24-W-240924	Total/NA	Water	EPA 350.1	
410-189522-8	MW-21-W-240924	Total/NA	Water	EPA 350.1	
MB 410-556668/123	Method Blank	Total/NA	Water	EPA 350.1	
MB 410-556668/55	Method Blank	Total/NA	Water	EPA 350.1	
MB 410-556668/89	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-556668/121	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCS 410-556668/87	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-556668/122	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	
LCSD 410-556668/88	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	
410-189522-8 MS	MW-21-W-240924	Total/NA	Water	EPA 350.1	
410-189522-8 DU	MW-21-W-240924	Total/NA	Water	EPA 350.1	

Analysis Batch: 556881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Total/NA	Water	2320B-2011	
410-189522-7	MW-24-W-240924	Total/NA	Water	2320B-2011	
410-189522-8	MW-21-W-240924	Total/NA	Water	2320B-2011	
MB 410-556881/136	Method Blank	Total/NA	Water	2320B-2011	
MB 410-556881/70	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-556881/137	Lab Control Sample	Total/NA	Water	2320B-2011	
LCS 410-556881/71	Lab Control Sample	Total/NA	Water	2320B-2011	

Analysis Batch: 557378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Total/NA	Water	365.1	556310
410-189522-7	MW-24-W-240924	Total/NA	Water	365.1	556310
410-189522-8	MW-21-W-240924	Total/NA	Water	365.1	556310
MB 410-556310/1-A	Method Blank	Total/NA	Water	365.1	556310
LCS 410-556310/2-A	Lab Control Sample	Total/NA	Water	365.1	556310

Analysis Batch: 558040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189522-6	MW-19-W-240924	Total/NA	Water	5210 B-2016	
410-189522-7	MW-24-W-240924	Total/NA	Water	5210 B-2016	
410-189522-8	MW-21-W-240924	Total/NA	Water	5210 B-2016	
SCB 410-558040/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 410-558040/2	Method Blank	Total/NA	Water	5210 B-2016	
LCS 410-558040/5	Lab Control Sample	Total/NA	Water	5210 B-2016	

Lab Chronicle

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

Job ID: 410-189522-1

Client Sample ID: MW-15-W-240923

Lab Sample ID: 410-189522-1

Date Collected: 09/23/24 15:20

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558742	TQ4J	ELLE	10/03/24 16:27
Total/NA	Prep	8151A			557595	UKL2	ELLE	09/30/24 20:01
Total/NA	Analysis	8151A		1	557626	UAMZ	ELLE	10/01/24 11:58
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	557661	F7JF	ELLE	10/01/24 02:38
Total/NA	Analysis	353.2		1	555582	Q3HN	ELLE	09/25/24 14:54
Total/NA	Analysis	353.2		1	555935	UKJF	ELLE	09/26/24 09:21

Client Sample ID: MW-17-W-240924

Lab Sample ID: 410-189522-2

Date Collected: 09/24/24 07:30

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	557661	F7JF	ELLE	10/01/24 02:34
Total/NA	Analysis	353.2		1	555994	Q3HN	ELLE	09/26/24 10:19
Total/NA	Analysis	353.2		1	555935	UKJF	ELLE	09/26/24 12:04

Client Sample ID: EB-1-W-240924

Lab Sample ID: 410-189522-3

Date Collected: 09/24/24 07:45

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	557661	F7JF	ELLE	10/01/24 02:42
Total/NA	Analysis	353.2		1	555994	Q3HN	ELLE	09/26/24 10:20
Total/NA	Analysis	353.2		1	555935	UKJF	ELLE	09/26/24 12:04

Client Sample ID: MW-18-W-240924

Lab Sample ID: 410-189522-4

Date Collected: 09/24/24 08:15

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	557661	F7JF	ELLE	10/01/24 02:32
Total/NA	Analysis	353.2		1	555994	Q3HN	ELLE	09/26/24 10:20
Total/NA	Analysis	353.2		1	555935	UKJF	ELLE	09/26/24 12:04

Client Sample ID: MW-20-W-240924

Lab Sample ID: 410-189522-5

Date Collected: 09/24/24 08:50

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	557661	F7JF	ELLE	10/01/24 02:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

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

Job ID: 410-189522-1

Client Sample ID: MW-20-W-240924

Lab Sample ID: 410-189522-5

Date Collected: 09/24/24 08:50

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		1	555994	Q3HN	ELLE	09/26/24 10:21
Total/NA	Analysis	353.2		1	555935	UKJF	ELLE	09/26/24 12:04

Client Sample ID: MW-19-W-240924

Lab Sample ID: 410-189522-6

Date Collected: 09/24/24 09:35

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558742	TQ4J	ELLE	10/03/24 16:49
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 06:51
Total/NA	Analysis	EPA 300.0 R2.1		20	557611	W7FX	ELLE	10/01/24 10:44
Dissolved	Prep	Non-Digest Prep			557332	UJL8	ELLE	10/01/24 08:30
Dissolved	Analysis	6020B		1	560773	F7JF	ELLE	10/08/24 11:54
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	557661	F7JF	ELLE	10/01/24 02:40
Total/NA	Analysis	2320B-2011		1	556881	DI9Q	ELLE	09/28/24 15:10
Total/NA	Analysis	353.2		1	555994	Q3HN	ELLE	09/26/24 10:21
Total/NA	Analysis	353.2		1	555935	UKJF	ELLE	09/26/24 12:04
Total/NA	Prep	365.1			556310	PQ9E	ELLE	09/30/24 01:35 - 09/30/24 02:35 ¹
Total/NA	Analysis	365.1		1	557378	JCG7	ELLE	09/30/24 12:33
Total/NA	Analysis	5210 B-2016		1	558040	B6LN	ELLE	09/26/24 11:10
Total/NA	Analysis	EPA 350.1		1	556668	JCG7	ELLE	09/27/24 13:59

Client Sample ID: MW-24-W-240924

Lab Sample ID: 410-189522-7

Date Collected: 09/24/24 11:05

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558742	TQ4J	ELLE	10/03/24 17:12
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 07:20
Total/NA	Analysis	EPA 300.0 R2.1		20	557611	W7FX	ELLE	10/01/24 11:17
Dissolved	Prep	Non-Digest Prep			557332	UJL8	ELLE	10/01/24 08:30
Dissolved	Analysis	6020B		1	560773	F7JF	ELLE	10/08/24 12:02
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	558157	T8CQ	ELLE	10/01/24 18:05
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	557661	F7JF	ELLE	10/01/24 02:44
Total/NA	Analysis	2320B-2011		1	556881	DI9Q	ELLE	09/27/24 22:57
Total/NA	Analysis	353.2		1	555994	Q3HN	ELLE	09/26/24 10:21
Total/NA	Analysis	353.2		1	555935	UKJF	ELLE	09/26/24 12:04

Lab Chronicle

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

Job ID: 410-189522-1

Client Sample ID: MW-24-W-240924

Lab Sample ID: 410-189522-7

Date Collected: 09/24/24 11:05

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	365.1			556310	PQ9E	ELLE	09/30/24 01:35 - 09/30/24 02:35 ¹
Total/NA	Analysis	365.1		1	557378	JCG7	ELLE	09/30/24 12:34
Total/NA	Analysis	5210 B-2016		1	558040	B6LN	ELLE	09/26/24 11:10
Total/NA	Analysis	EPA 350.1		1	556668	JCG7	ELLE	09/27/24 14:01

Client Sample ID: MW-21-W-240924

Lab Sample ID: 410-189522-8

Date Collected: 09/24/24 12:25

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558742	TQ4J	ELLE	10/03/24 17:34
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 07:48
Total/NA	Analysis	EPA 300.0 R2.1		20	557611	W7FX	ELLE	10/01/24 11:28
Dissolved	Prep	Non-Digest Prep			557332	UJL8	ELLE	10/01/24 08:30
Dissolved	Analysis	6020B		1	560773	F7JF	ELLE	10/08/24 12:00
Total Recoverable	Prep	3005A			556805	UAMX	ELLE	09/29/24 22:00
Total Recoverable	Analysis	6020B		1	557661	F7JF	ELLE	10/01/24 02:19
Total/NA	Analysis	2320B-2011		1	556881	DI9Q	ELLE	09/27/24 23:15
Total/NA	Analysis	353.2		1	555994	Q3HN	ELLE	09/26/24 10:22
Total/NA	Analysis	353.2		1	555935	UKJF	ELLE	09/26/24 12:04
Total/NA	Prep	365.1			556310	PQ9E	ELLE	09/30/24 01:35 - 09/30/24 02:35 ¹
Total/NA	Analysis	365.1		1	557378	JCG7	ELLE	09/30/24 12:36
Total/NA	Analysis	5210 B-2016		1	558040	B6LN	ELLE	09/26/24 11:10
Total/NA	Analysis	EPA 350.1		1	556668	JCG7	ELLE	09/27/24 14:16

Client Sample ID: TB-1-W-240924

Lab Sample ID: 410-189522-9

Date Collected: 09/24/24 00:00

Matrix: Water

Date Received: 09/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	558742	TQ4J	ELLE	10/03/24 17:57

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: 410-189522-1

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	04-11-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	2-Methylnaphthalene
8260D		Water	Ethyl ether

Method Summary

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

Job ID: 410-189522-1

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: 410-189522-1

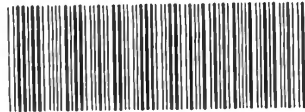
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-189522-1	MW-15-W-240923	Water	09/23/24 15:20	09/25/24 09:55
410-189522-2	MW-17-W-240924	Water	09/24/24 07:30	09/25/24 09:55
410-189522-3	EB-1-W-240924	Water	09/24/24 07:45	09/25/24 09:55
410-189522-4	MW-18-W-240924	Water	09/24/24 08:15	09/25/24 09:55
410-189522-5	MW-20-W-240924	Water	09/24/24 08:50	09/25/24 09:55
410-189522-6	MW-19-W-240924	Water	09/24/24 09:35	09/25/24 09:55
410-189522-7	MW-24-W-240924	Water	09/24/24 11:05	09/25/24 09:55
410-189522-8	MW-21-W-240924	Water	09/24/24 12:25	09/25/24 09:55
410-189522-9	TB-1-W-240924	Water	09/24/24 00:00	09/25/24 09:55

is Request/Chain of Custody



**Lancaster Laboratories
Environmental**

Acct.



410-189522 Chain of Custody

itories Environmental use only

Sample #

Respond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested												6																																		
Facility # Bee Jay Scales			WBS			☐ Sediment ☒ Ground ☐ Surface			☐ Potable ☐ NPDES ☐ Air			Oil			Total Number of Containers			BTEX + MTBE 8021 ☐ 8260 ☐ Naphthalene ☐ Ammonia (EPA 350.1) ☐ 8260 full scan VOCs ☐ Dayanetes BOD (SM 521B) ☐ Sulfate (EPA 800.0) ☐ NAPTH-DX with Silica Gel Cleanup (EPA 800.0) ☐ Total Lead Manganese ☐ NAPTH-DX without Silica Gel Cleanup (EPA 800.0) ☐ Ammonia (EPA 350.1) ☐ WA-VPH ☐ WA-EPA ☐ Total ☐ AP-Sewer ☐ ☐ ☐ Total ☐ Diss. ☐ Method ☐ ☐ Nitrate-N (EPA-3532) ☐ Nitrite-N (EPA-3532) ☐ Chlorinated Hydrocarbons (EPA 8161) ☐ Phosphorous (EPA 365.1) ☐												SCR #:																						
Site Address 116 N 1st St. Sunny Side WA			Chevron PM			Lead Consultant			Consultant/Office 2321 Club Meridian Dr STE E Okemos MI			Consultant Project Mgr. Marisa Kaffenberger			Consultant Phone # 507-202-0459			Sampler Dana Hetchins			3			Composite			Soil			Water			Oil			Total Number of Containers			BTEX + MTBE 8021 ☐ 8260 ☐ Naphthalene ☐ Ammonia (EPA 350.1) ☐ 8260 full scan VOCs ☐ Dayanetes BOD (SM 521B) ☐ Sulfate (EPA 800.0) ☐ NAPTH-DX with Silica Gel Cleanup (EPA 800.0) ☐ Total Lead Manganese ☐ NAPTH-DX without Silica Gel Cleanup (EPA 800.0) ☐ Ammonia (EPA 350.1) ☐ WA-VPH ☐ WA-EPA ☐ Total ☐ AP-Sewer ☐ ☐ ☐ Total ☐ Diss. ☐ Method ☐ ☐ Nitrate-N (EPA-3532) ☐ Nitrite-N (EPA-3532) ☐ Chlorinated Hydrocarbons (EPA 8161) ☐ Phosphorous (EPA 365.1) ☐												SCR #:	
2 Sample Identification			Collected			Grab			Composite			Soil			Water			Oil			Total Number of Containers			BTEX + MTBE 8021 ☐ 8260 ☐ Naphthalene ☐ Ammonia (EPA 350.1) ☐ 8260 full scan VOCs ☐ Dayanetes BOD (SM 521B) ☐ Sulfate (EPA 800.0) ☐ NAPTH-DX with Silica Gel Cleanup (EPA 800.0) ☐ Total Lead Manganese ☐ NAPTH-DX without Silica Gel Cleanup (EPA 800.0) ☐ Ammonia (EPA 350.1) ☐ WA-VPH ☐ WA-EPA ☐ Total ☐ AP-Sewer ☐ ☐ ☐ Total ☐ Diss. ☐ Method ☐ ☐ Nitrate-N (EPA-3532) ☐ Nitrite-N (EPA-3532) ☐ Chlorinated Hydrocarbons (EPA 8161) ☐ Phosphorous (EPA 365.1) ☐												SCR #:																
Date			Time																																	Remarks																
MW-15-W-240923			9-23-24			1520			X									8			X															*diss Iron samples are field filtered																
MW-17-W-240924			9-24-24			0730			X									3																																		
EB-1-W-240924			9-24-24			0745			X									3																																		
MW-18-W-240924			9-24-24			0815			X									3																																		
MW-20-W-240924			9-24-24			0850			X									3																																		
MW-19-W-240924			9-24-24			0935			X									14			X			X																												
MW-29-W-240924			9-24-24			1105			X									14			X			X																												
MW-21-W-240924			9-24-24			1225			X									14			X			X																												
TB-1-W-240924			9-24-24						X									1			X																															
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by			Date			Time			Received by			Date			Time			9																															
Standard 5 day 4 day			Dana Hetchins			9-24-24			1315																																											
72 hour 48 hour 24 hour			Relinquished by			Date			Time			Received by			Date			Time																																		
8 Data Package (circle if required)			Relinquished by Commercial Carrier:			Temperature Upon Receipt			Custody Seals Intact?			Yes No																																								
Type I - Full			CVX-RTBU-FI_05 (default)			UPS FedEx Other			Received by			Date			Time																																					
Type VI (Raw Data)			Other:																																																	

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-189522-1

Login Number: 189522

List Number: 1

Creator: Ballard, Megan

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 10/14/2024 12:22:07 PM

JOB DESCRIPTION

Bee Jay Scales

JOB NUMBER

410-189768-1

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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10/14/2024 12:22:07 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.

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Definitions/Glossary

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

Job ID: 410-189768-1

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.
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, high biased.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
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
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.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

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

Job ID: 410-189768-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1
2
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Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-189768-1

Job ID: 410-189768-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-189768-1

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

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

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

Receipt

The samples were received on 9/26/2024 10:00 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 1.6°C and 4.3°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 410-560047 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone and Acrylonitrile. 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 one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-23-W-240925 (410-189768-1), TB-1-W-240925 (410-189768-2), MW-13-W-240925 (410-189768-3), MW-16-W-240925 (410-189768-4) and WB-1-W-240925 (410-189768-5). The requested target analyte list includes Acrylonitrile, an acid-labile compound that degrades 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 outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-23-W-240925 (410-189768-1).

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

Herbicides

Method 8151A: The continuing calibration verification (CCV) associated with batch 410-558192 recovered above the upper control limit for Dinoseb. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is : WB-1-W-240925 (410-189768-5).

Method 8151A: The 2,4-Dichlorophenylacetic acid (Surr) surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: MW-23-W-240925 (410-189768-1).

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 350.1: 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-240925 (410-189768-1) and could not be adjusted. This does not meet regulatory

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-189768-1

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requirements.

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-240925 (410-189768-1). The sample(s) were preserved to the appropriate pH in the laboratory.

This does not meet regulatory requirements.

Method SM5210B_Calc: The following sample was analyzed outside of analytical holding time due to laboratory error : MW-23-W-240925 (410-189768-1).

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: 410-189768-1

Client Sample ID: MW-23-W-240925

Lab Sample ID: 410-189768-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3-Trichloropropane	19	cn	5.0	0.30	ug/L	1			8260D	Total/NA
1,2-Dichloroethane	0.53	J cn	1.0	0.30	ug/L	1			8260D	Total/NA
1,2-Dichloropropane	220	cn	1.0	0.30	ug/L	1			8260D	Total/NA
Dinoseb (2C) - DL	15		5.8	2.7	ug/L	10			8151A	Total/NA
Sulfate	86		30	10	mg/L	20			EPA 300.0 R2.1	Total/NA
Arsenic	0.017		0.0020	0.00068	mg/L	1			6020B	Total Recoverable
Iron	0.24		0.050	0.020	mg/L	1			6020B	Total Recoverable
Manganese	0.52		0.0020	0.00095	mg/L	1			6020B	Total Recoverable
Iron	0.084		0.052	0.021	mg/L	1			6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	2100		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	2100		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Nitrate as N	150		0.10	0.040	mg/L	1			353.2	Total/NA
Nitrite as N	3.2		0.050	0.015	mg/L	1			353.2	Total/NA
Biochemical Oxygen Demand	3.8	H cn	2.0	2.0	mg/L	1			5210 B-2016	Total/NA
Ammonia as N	0.17	cn	0.10	0.050	mg/L	1			EPA 350.1	Total/NA

Client Sample ID: TB-1-W-240925

Lab Sample ID: 410-189768-2

No Detections.

Client Sample ID: MW-13-W-240925

Lab Sample ID: 410-189768-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Dinoseb (1C)	1.6		0.65	0.30	ug/L	1			8151A	Total/NA
Sulfate	91		30	10	mg/L	20			EPA 300.0 R2.1	Total/NA
Arsenic	0.013		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	0.92	^2	0.0020	0.00095	mg/L	1			6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	280		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	280		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Nitrate as N	16		0.10	0.040	mg/L	1			353.2	Total/NA
Total Phosphorus as P	0.076	J	0.10	0.050	mg/L	1			365.1	Total/NA
Ammonia as N	0.054	J	0.10	0.050	mg/L	1			EPA 350.1	Total/NA

Client Sample ID: MW-16-W-240925

Lab Sample ID: 410-189768-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1,2-Trichloroethane	0.41	J	1.0	0.30	ug/L	1			8260D	Total/NA
1,2,3-Trichloropropane	38		5.0	0.30	ug/L	1			8260D	Total/NA
1,2-Dichloropropane	180		1.0	0.30	ug/L	1			8260D	Total/NA
Dicamba (1C)	0.32	J	0.61	0.30	ug/L	1			8151A	Total/NA
Dinoseb (2C) - DL	45		13	6.2	ug/L	20			8151A	Total/NA
Sulfate	390		30	10	mg/L	20			EPA 300.0 R2.1	Total/NA
Iron	0.045	J	0.050	0.020	mg/L	1			6020B	Total Recoverable
Iron	0.080		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

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: 410-189768-1

Client Sample ID: MW-16-W-240925 (Continued)

Lab Sample ID: 410-189768-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	130		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	1.3		0.050	0.015	mg/L	1		353.2	Total/NA

Client Sample ID: WB-1-W-240925

Lab Sample ID: 410-189768-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO ₃	2.6	J	8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO ₃ to pH 4.5	2.6	J	8.0	2.6	mg/L	1		2320B-2011	Total/NA

Client Sample ID: MW-14-W-240925

Lab Sample ID: 410-189768-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	2.0		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.16		0.050	0.015	mg/L	1		353.2	Total/NA

Client Sample ID: MW-14-WD-240925

Lab Sample ID: 410-189768-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0062		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Nitrate as N	2.2		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.15		0.050	0.015	mg/L	1		353.2	Total/NA

Client Sample ID: EB-1-W-240925

Lab Sample ID: 410-189768-8

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: 410-189768-1

Client Sample ID: MW-23-W-240925

Lab Sample ID: 410-189768-1

Date Collected: 09/25/24 07:25

Matrix: Water

Date Received: 09/26/24 10:00

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	cn	1.0	0.30	ug/L			10/07/24 14:06	1
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
1,2,3-Trichlorobenzene	ND	cn	5.0	0.40	ug/L			10/07/24 14:06	1
1,2,3-Trichloropropane	19	cn	5.0	0.30	ug/L			10/07/24 14:06	1
1,2,4-Trichlorobenzene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
1,2,4-Trimethylbenzene	ND	cn	5.0	1.0	ug/L			10/07/24 14:06	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
1,2-Dibromoethane	ND	cn	1.0	0.20	ug/L			10/07/24 14:06	1
1,2-Dichlorobenzene	ND	cn	5.0	0.20	ug/L			10/07/24 14:06	1
1,2-Dichloroethane	0.53	J cn	1.0	0.30	ug/L			10/07/24 14:06	1
1,2-Dichloropropane	220	cn	1.0	0.30	ug/L			10/07/24 14:06	1
1,3,5-Trimethylbenzene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
1,3-Dichlorobenzene	ND	cn	5.0	0.68	ug/L			10/07/24 14:06	1
1,4-Dichlorobenzene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
2-Butanone	ND	cn	10	0.50	ug/L			10/07/24 14:06	1
2-Hexanone	ND	cn	10	0.85	ug/L			10/07/24 14:06	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			10/07/24 14:06	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			10/07/24 14:06	1
Acetone	ND	cn	20	0.70	ug/L			10/07/24 14:06	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/07/24 14:06	1
Benzene	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Bromobenzene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
Bromochloromethane	ND	cn	5.0	0.20	ug/L			10/07/24 14:06	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			10/07/24 14:06	1
Bromoform	ND	cn	4.0	1.0	ug/L			10/07/24 14:06	1
Bromomethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Chloroethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Chloroform	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Chloromethane	ND	cn	2.0	0.55	ug/L			10/07/24 14:06	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			10/07/24 14:06	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			10/07/24 14:06	1
Dibromomethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Dichlorodifluoromethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			10/07/24 14:06	1
Isopropylbenzene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			10/07/24 14:06	1
Methyl iodide	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Methyl tertiary butyl ether	ND	cn	1.0	0.20	ug/L			10/07/24 14:06	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Naphthalene	ND	cn	5.0	1.0	ug/L			10/07/24 14:06	1

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Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: MW-23-W-240925

Lab Sample ID: 410-189768-1

Date Collected: 09/25/24 07:25

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 14:06	1
N-Propylbenzene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
o-Xylene	ND	cn	1.0	0.40	ug/L			10/07/24 14:06	1
p-Isopropyltoluene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
sec-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
Styrene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
tert-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/07/24 14:06	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Tetrahydrofuran	ND	cn	10	1.6	ug/L			10/07/24 14:06	1
Toluene	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
trans-1,2-Dichloroethene	ND	cn	2.0	0.70	ug/L			10/07/24 14:06	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			10/07/24 14:06	1
trans-1,4-Dichloro-2-butene	ND	cn	50	6.0	ug/L			10/07/24 14:06	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Trichlorofluoromethane	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1
Vinyl chloride	ND	cn	1.0	0.30	ug/L			10/07/24 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	cn	80 - 120		10/07/24 14:06	1
4-Bromofluorobenzene (Surr)	92	cn	80 - 120		10/07/24 14:06	1
Dibromofluoromethane (Surr)	102	cn	80 - 120		10/07/24 14:06	1
Toluene-d8 (Surr)	98	cn	80 - 120		10/07/24 14:06	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	0.063	ug/L		10/01/24 07:18	10/02/24 08:16	1
Silvex (2,4,5-TP) (1C)	ND		0.048	0.021	ug/L		10/01/24 07:18	10/02/24 08:16	1
2,4-D (1C)	ND		0.58	0.24	ug/L		10/01/24 07:18	10/02/24 08:16	1
2,4-DB (1C)	ND		1.5	0.61	ug/L		10/01/24 07:18	10/02/24 08:16	1
Dichloroprop (1C)	ND		0.48	0.16	ug/L		10/01/24 07:18	10/02/24 08:16	1
Dalapon (1C)	ND	*1	12	5.5	ug/L		10/01/24 07:18	10/02/24 08:16	1
Dicamba (1C)	ND		0.53	0.26	ug/L		10/01/24 07:18	10/02/24 08:16	1
MCPP (1C)	ND		190	48	ug/L		10/01/24 07:18	10/02/24 08:16	1
MCPA (1C)	ND		190	48	ug/L		10/01/24 07:18	10/02/24 08:16	1
Pentachlorophenol (1C)	ND		0.068	0.026	ug/L		10/01/24 07:18	10/02/24 08:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	433	S1+ cn	34 - 142	10/01/24 07:18	10/02/24 08:16	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	91	p cn	34 - 142	10/01/24 07:18	10/02/24 08:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb (2C)	15		5.8	2.7	ug/L		10/01/24 07:18	10/02/24 16:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	378	S1+	34 - 142	10/01/24 07:18	10/02/24 16:16	10
2,4-Dichlorophenylacetic acid (Surr) (2C)	74	p cn	34 - 142	10/01/24 07:18	10/02/24 16:16	10

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: MW-23-W-240925

Lab Sample ID: 410-189768-1

Date Collected: 09/25/24 07:25

Matrix: Water

Date Received: 09/26/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	86		30	10	mg/L			10/01/24 11:39	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017		0.0020	0.00068	mg/L		10/04/24 21:00	10/13/24 10:49	1
Iron	0.24		0.050	0.020	mg/L		10/04/24 21:00	10/13/24 10:49	1
Manganese	0.52		0.0020	0.00095	mg/L		10/04/24 21:00	10/13/24 10:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.084		0.052	0.021	mg/L		10/04/24 10:42	10/10/24 12:00	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			10/02/24 08:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 08:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	2100		8.0	2.6	mg/L			10/02/24 08:04	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	2100		8.0	2.6	mg/L			10/02/24 08:04	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 08:04	1
Nitrate as N (EPA 353.2)	150		0.10	0.040	mg/L			09/27/24 11:12	1
Nitrite as N (EPA 353.2)	3.2		0.050	0.015	mg/L			09/27/24 09:43	1
Total Phosphorus as P (EPA 365.1)	ND	cn	0.10	0.050	mg/L		10/02/24 00:00	10/02/24 14:42	1
Biochemical Oxygen Demand (SM 5210 B-2016)	3.8	H cn	2.0	2.0	mg/L			09/27/24 11:45	1
Ammonia as N (EPA 350.1)	0.17	cn	0.10	0.050	mg/L			09/30/24 12:55	1

Client Sample ID: TB-1-W-240925

Lab Sample ID: 410-189768-2

Date Collected: 09/25/24 00:00

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 12:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 12:13	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/07/24 12:13	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/07/24 12:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/07/24 12:13	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			10/07/24 12:13	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/07/24 12:13	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/07/24 12:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: TB-1-W-240925

Lab Sample ID: 410-189768-2

Date Collected: 09/25/24 00:00

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 12:13	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
2-Butanone	ND	cn	10	0.50	ug/L			10/07/24 12:13	1
2-Hexanone	ND	cn	10	0.85	ug/L			10/07/24 12:13	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/07/24 12:13	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			10/07/24 12:13	1
Acetone	ND		20	0.70	ug/L			10/07/24 12:13	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/07/24 12:13	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Bromobenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 12:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 12:13	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 12:13	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 12:13	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 12:13	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 12:13	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 12:13	1
Dibromomethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Ethyl ether	ND		5.0	0.30	ug/L			10/07/24 12:13	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 12:13	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/07/24 12:13	1
Methyl iodide	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/07/24 12:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Naphthalene	ND		5.0	1.0	ug/L			10/07/24 12:13	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
o-Xylene	ND		1.0	0.40	ug/L			10/07/24 12:13	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 12:13	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/07/24 12:13	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 12:13	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 12:13	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/07/24 12:13	1
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/07/24 12:13	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 12:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: TB-1-W-240925

Lab Sample ID: 410-189768-2

Date Collected: 09/25/24 00:00

Matrix: Water

Date Received: 09/26/24 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		10/07/24 12:13	1
4-Bromofluorobenzene (Surr)	97		80 - 120		10/07/24 12:13	1
Dibromofluoromethane (Surr)	104		80 - 120		10/07/24 12:13	1
Toluene-d8 (Surr)	96		80 - 120		10/07/24 12:13	1

Client Sample ID: MW-13-W-240925

Lab Sample ID: 410-189768-3

Date Collected: 09/25/24 08:55

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 14:28	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 14:28	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/07/24 14:28	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/07/24 14:28	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/07/24 14:28	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			10/07/24 14:28	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/07/24 14:28	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/07/24 14:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/07/24 14:28	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
2-Butanone	ND	cn	10	0.50	ug/L			10/07/24 14:28	1
2-Hexanone	ND	cn	10	0.85	ug/L			10/07/24 14:28	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/07/24 14:28	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			10/07/24 14:28	1
Acetone	ND		20	0.70	ug/L			10/07/24 14:28	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/07/24 14:28	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Bromobenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 14:28	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 14:28	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 14:28	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 14:28	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 14:28	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 14:28	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 14:28	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 14:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: MW-13-W-240925

Lab Sample ID: 410-189768-3

Date Collected: 09/25/24 08:55

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 14:28	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Ethyl ether	ND		5.0	0.30	ug/L			10/07/24 14:28	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 14:28	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/07/24 14:28	1
Methyl iodide	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/07/24 14:28	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Naphthalene	ND		5.0	1.0	ug/L			10/07/24 14:28	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
o-Xylene	ND		1.0	0.40	ug/L			10/07/24 14:28	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/07/24 14:28	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 14:28	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 14:28	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 14:28	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/07/24 14:28	1
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/07/24 14:28	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		10/07/24 14:28	1
4-Bromofluorobenzene (Surr)	92		80 - 120		10/07/24 14:28	1
Dibromofluoromethane (Surr)	104		80 - 120		10/07/24 14:28	1
Toluene-d8 (Surr)	97		80 - 120		10/07/24 14:28	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		10/01/24 07:18	10/02/24 08:44	1
Silvex (2,4,5-TP) (1C)	ND		0.054	0.024	ug/L		10/01/24 07:18	10/02/24 08:44	1
2,4-D (1C)	ND		0.65	0.27	ug/L		10/01/24 07:18	10/02/24 08:44	1
2,4-DB (1C)	ND		1.6	0.68	ug/L		10/01/24 07:18	10/02/24 08:44	1
Dichlorprop (1C)	ND		0.54	0.17	ug/L		10/01/24 07:18	10/02/24 08:44	1
Dalapon (1C)	ND	*1	13	6.2	ug/L		10/01/24 07:18	10/02/24 08:44	1
Dicamba (1C)	ND		0.60	0.29	ug/L		10/01/24 07:18	10/02/24 08:44	1
Dinoseb (1C)	1.6		0.65	0.30	ug/L		10/01/24 07:18	10/02/24 08:44	1
MCPP (1C)	ND		220	54	ug/L		10/01/24 07:18	10/02/24 08:44	1
MCPA (1C)	ND		220	54	ug/L		10/01/24 07:18	10/02/24 08:44	1
Pentachlorophenol (1C)	ND		0.076	0.029	ug/L		10/01/24 07:18	10/02/24 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	80		34 - 142	10/01/24 07:18	10/02/24 08:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: MW-13-W-240925

Lab Sample ID: 410-189768-3

Date Collected: 09/25/24 08:55

Matrix: Water

Date Received: 09/26/24 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (2C)	69		34 - 142	10/01/24 07:18	10/02/24 08:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	91		30	10	mg/L			10/01/24 11:50	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013		0.0020	0.00068	mg/L		10/04/24 21:00	10/08/24 15:38	1
Iron	0.023	J	0.050	0.020	mg/L		10/04/24 21:00	10/08/24 15:38	1
Manganese	0.92	^2	0.0020	0.00095	mg/L		10/04/24 21:00	10/08/24 15:38	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		10/05/24 03:25	10/08/24 17:52	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			10/02/24 08:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 08:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	280		8.0	2.6	mg/L			10/02/24 08:23	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	280		8.0	2.6	mg/L			10/02/24 08:23	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 08:23	1
Nitrate as N (EPA 353.2)	16		0.10	0.040	mg/L			09/27/24 11:12	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/27/24 09:14	1
Total Phosphorus as P (EPA 365.1)	0.076	J	0.10	0.050	mg/L		10/02/24 00:00	10/02/24 14:43	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/27/24 11:45	1
Ammonia as N (EPA 350.1)	0.054	J	0.10	0.050	mg/L			09/30/24 12:57	1

Client Sample ID: MW-16-W-240925

Lab Sample ID: 410-189768-4

Date Collected: 09/25/24 10:15

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 14:51	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
1,1,2-Trichloroethane	0.41	J	1.0	0.30	ug/L			10/07/24 14:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 14:51	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/07/24 14:51	1
1,2,3-Trichloropropane	38		5.0	0.30	ug/L			10/07/24 14:51	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/07/24 14:51	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			10/07/24 14:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: MW-16-W-240925

Lab Sample ID: 410-189768-4

Date Collected: 09/25/24 10:15

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 14:51	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/07/24 14:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
1,2-Dichloropropane	180		1.0	0.30	ug/L			10/07/24 14:51	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/07/24 14:51	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
2-Butanone	ND	cn	10	0.50	ug/L			10/07/24 14:51	1
2-Hexanone	ND	cn	10	0.85	ug/L			10/07/24 14:51	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/07/24 14:51	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			10/07/24 14:51	1
Acetone	ND		20	0.70	ug/L			10/07/24 14:51	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/07/24 14:51	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Bromobenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 14:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 14:51	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 14:51	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 14:51	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 14:51	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 14:51	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 14:51	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 14:51	1
Dibromomethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Ethyl ether	ND		5.0	0.30	ug/L			10/07/24 14:51	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 14:51	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/07/24 14:51	1
Methyl iodide	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/07/24 14:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Naphthalene	ND		5.0	1.0	ug/L			10/07/24 14:51	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
o-Xylene	ND		1.0	0.40	ug/L			10/07/24 14:51	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 14:51	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/07/24 14:51	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 14:51	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 14:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: MW-16-W-240925

Lab Sample ID: 410-189768-4

Date Collected: 09/25/24 10:15

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 14:51	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/07/24 14:51	1
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/07/24 14:51	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		10/07/24 14:51	1
4-Bromofluorobenzene (Surr)	92		80 - 120		10/07/24 14:51	1
Dibromofluoromethane (Surr)	104		80 - 120		10/07/24 14:51	1
Toluene-d8 (Surr)	99		80 - 120		10/07/24 14:51	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	0.072	ug/L		10/01/24 07:18	10/02/24 09:13	1
Silvex (2,4,5-TP) (1C)	ND		0.056	0.024	ug/L		10/01/24 07:18	10/02/24 09:13	1
2,4-D (1C)	ND		0.67	0.28	ug/L		10/01/24 07:18	10/02/24 09:13	1
2,4-DB (1C)	ND		1.7	0.70	ug/L		10/01/24 07:18	10/02/24 09:13	1
Dichlorprop (1C)	ND		0.56	0.18	ug/L		10/01/24 07:18	10/02/24 09:13	1
Dalapon (1C)	ND	*1	14	6.3	ug/L		10/01/24 07:18	10/02/24 09:13	1
Dicamba (1C)	0.32	J	0.61	0.30	ug/L		10/01/24 07:18	10/02/24 09:13	1
MCPD (1C)	ND		220	56	ug/L		10/01/24 07:18	10/02/24 09:13	1
MCPA (1C)	ND		220	56	ug/L		10/01/24 07:18	10/02/24 09:13	1
Pentachlorophenol (1C)	ND		0.078	0.030	ug/L		10/01/24 07:18	10/02/24 09:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	93		34 - 142	10/01/24 07:18	10/02/24 09:13	1
(1C)						
2,4-Dichlorophenylacetic acid (Surr)	76		34 - 142	10/01/24 07:18	10/02/24 09:13	1
(2C)						

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb (2C)	45		13	6.2	ug/L		10/01/24 07:18	10/02/24 16:45	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	120		34 - 142	10/01/24 07:18	10/02/24 16:45	20
(1C)						
2,4-Dichlorophenylacetic acid (Surr)	59	p	34 - 142	10/01/24 07:18	10/02/24 16:45	20
(2C)						

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	390		30	10	mg/L			10/01/24 12:01	20

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		10/07/24 07:07	10/11/24 20:42	1
Iron	0.045	J	0.050	0.020	mg/L		10/07/24 07:07	10/11/24 20:42	1
Manganese	ND		0.0020	0.00095	mg/L		10/07/24 07:07	10/11/24 20:42	1

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: MW-16-W-240925

Lab Sample ID: 410-189768-4

Date Collected: 09/25/24 10:15

Matrix: Water

Date Received: 09/26/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.080		0.052	0.021	mg/L		10/05/24 03:25	10/08/24 17:54	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			10/02/24 07:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 07:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	630		8.0	2.6	mg/L			10/02/24 07:53	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	630		8.0	2.6	mg/L			10/02/24 07:53	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 07:53	1
Nitrate as N (EPA 353.2)	130		0.10	0.040	mg/L			09/27/24 11:12	1
Nitrite as N (EPA 353.2)	1.3		0.050	0.015	mg/L			09/27/24 09:33	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		10/02/24 00:00	10/02/24 14:45	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/27/24 12:35	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			09/30/24 12:59	1

Client Sample ID: WB-1-W-240925

Lab Sample ID: 410-189768-5

Date Collected: 09/25/24 10:30

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 15:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 15:13	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/07/24 15:13	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/07/24 15:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/07/24 15:13	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			10/07/24 15:13	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/07/24 15:13	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/07/24 15:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/07/24 15:13	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
2-Butanone	ND	cn	10	0.50	ug/L			10/07/24 15:13	1
2-Hexanone	ND	cn	10	0.85	ug/L			10/07/24 15:13	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/07/24 15:13	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			10/07/24 15:13	1
Acetone	ND		20	0.70	ug/L			10/07/24 15:13	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/07/24 15:13	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 15:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: WB-1-W-240925

Lab Sample ID: 410-189768-5

Date Collected: 09/25/24 10:30

Matrix: Water

Date Received: 09/26/24 10:00

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			10/07/24 15:13	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 15:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 15:13	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 15:13	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 15:13	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 15:13	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 15:13	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 15:13	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 15:13	1
Dibromomethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Ethyl ether	ND		5.0	0.30	ug/L			10/07/24 15:13	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 15:13	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/07/24 15:13	1
Methyl iodide	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/07/24 15:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Naphthalene	ND		5.0	1.0	ug/L			10/07/24 15:13	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
o-Xylene	ND		1.0	0.40	ug/L			10/07/24 15:13	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 15:13	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/07/24 15:13	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 15:13	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 15:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 15:13	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/07/24 15:13	1
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/07/24 15:13	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		10/07/24 15:13	1
4-Bromofluorobenzene (Surr)	91		80 - 120		10/07/24 15:13	1
Dibromofluoromethane (Surr)	104		80 - 120		10/07/24 15:13	1
Toluene-d8 (Surr)	95		80 - 120		10/07/24 15:13	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	0.065	ug/L		10/01/24 07:18	10/02/24 09:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: WB-1-W-240925

Lab Sample ID: 410-189768-5

Date Collected: 09/25/24 10:30

Matrix: Water

Date Received: 09/26/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		10/01/24 07:18	10/02/24 09:41	1
2,4-D (1C)	ND		0.60	0.25	ug/L		10/01/24 07:18	10/02/24 09:41	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		10/01/24 07:18	10/02/24 09:41	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		10/01/24 07:18	10/02/24 09:41	1
Dalapon (1C)	ND	*1	12	5.7	ug/L		10/01/24 07:18	10/02/24 09:41	1
Dicamba (1C)	ND		0.55	0.27	ug/L		10/01/24 07:18	10/02/24 09:41	1
Dinoseb (2C)	ND	cn	0.60	0.28	ug/L		10/01/24 07:18	10/02/24 09:41	1
MCPPE (1C)	ND		200	50	ug/L		10/01/24 07:18	10/02/24 09:41	1
MCPA (1C)	ND		200	50	ug/L		10/01/24 07:18	10/02/24 09:41	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		10/01/24 07:18	10/02/24 09:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	74		34 - 142	10/01/24 07:18	10/02/24 09:41	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	66		34 - 142	10/01/24 07:18	10/02/24 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			10/01/24 12:12	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		10/04/24 21:00	10/08/24 15:42	1
Iron	ND		0.050	0.020	mg/L		10/04/24 21:00	10/08/24 15:42	1
Manganese	ND		0.0020	0.00095	mg/L		10/04/24 21:00	10/10/24 19:06	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		10/05/24 03:25	10/08/24 17:56	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			10/02/24 08:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 08:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	2.6	J	8.0	2.6	mg/L			10/02/24 08:30	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	2.6	J	8.0	2.6	mg/L			10/02/24 08:30	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 08:30	1
Nitrate as N (EPA 353.2)	ND		0.10	0.040	mg/L			09/27/24 11:12	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/27/24 09:20	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		10/02/24 00:00	10/02/24 14:45	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/27/24 11:45	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			09/30/24 13:06	1

Client Sample Results

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

Job ID: 410-189768-1

Client Sample ID: MW-14-W-240925

Lab Sample ID: 410-189768-6

Date Collected: 09/25/24 11:40

Matrix: Water

Date Received: 09/26/24 10:00

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		10/07/24 07:07	10/11/24 20:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	2.0		0.10	0.040	mg/L			09/27/24 11:12	1
Nitrite as N (EPA 353.2)	0.16		0.050	0.015	mg/L			09/27/24 09:21	1

Client Sample ID: MW-14-WD-240925

Lab Sample ID: 410-189768-7

Date Collected: 09/25/24 11:50

Matrix: Water

Date Received: 09/26/24 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0062		0.0020	0.00068	mg/L		10/04/24 21:00	10/08/24 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	2.2		0.10	0.040	mg/L			09/27/24 11:12	1
Nitrite as N (EPA 353.2)	0.15		0.050	0.015	mg/L			09/27/24 09:22	1

Client Sample ID: EB-1-W-240925

Lab Sample ID: 410-189768-8

Date Collected: 09/25/24 12:00

Matrix: Water

Date Received: 09/26/24 10:00

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		10/04/24 21:00	10/08/24 15:20	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			09/27/24 11:12	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/27/24 09:22	1

Surrogate Summary

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

Job ID: 410-189768-1

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)
410-189768-1	MW-23-W-240925	103 cn	92 cn	102 cn	98 cn
410-189768-2	TB-1-W-240925	99	97	104	96
410-189768-3	MW-13-W-240925	102	92	104	97
410-189768-4	MW-16-W-240925	105	92	104	99
410-189768-5	WB-1-W-240925	102	91	104	95
LCS 410-560047/4	Lab Control Sample	98	98	99	102
LCSD 410-560047/5	Lab Control Sample Dup	97	97	99	102
MB 410-560047/7	Method Blank	98	92	102	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)
410-189768-1	MW-23-W-240925	433 S1+ cn	91 p cn
410-189768-1 - DL	MW-23-W-240925	378 S1+	74 p cn
410-189768-3	MW-13-W-240925	80	69
410-189768-4	MW-16-W-240925	93	76
410-189768-4 - DL	MW-16-W-240925	120	59 p
410-189768-5	WB-1-W-240925	74	66
LCS 410-557696/2-A	Lab Control Sample	90	94
LCSD 410-557696/3-A	Lab Control Sample Dup	91	100
MB 410-557696/1-A	Method Blank	82	72

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

QC Sample Results

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

Job ID: 410-189768-1

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

Lab Sample ID: MB 410-560047/7

Matrix: Water

Analysis Batch: 560047

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			10/07/24 11:27	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/07/24 11:27	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/07/24 11:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/07/24 11:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/07/24 11:27	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/07/24 11:27	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/07/24 11:27	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/07/24 11:27	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
2-Butanone	ND		10	0.50	ug/L			10/07/24 11:27	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 11:27	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/07/24 11:27	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/07/24 11:27	1
Acetone	ND		20	0.70	ug/L			10/07/24 11:27	1
Acrylonitrile	ND		20	1.6	ug/L			10/07/24 11:27	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Bromobenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 11:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 11:27	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 11:27	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 11:27	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 11:27	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 11:27	1
Dibromomethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Ethyl ether	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 11:27	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/07/24 11:27	1
Methyl iodide	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/07/24 11:27	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 11:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189768-1

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

Lab Sample ID: MB 410-560047/7

Matrix: Water

Analysis Batch: 560047

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			10/07/24 11:27	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
o-Xylene	ND		1.0	0.40	ug/L			10/07/24 11:27	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/07/24 11:27	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 11:27	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 11:27	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/07/24 11:27	1
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		10/07/24 11:27	1
4-Bromofluorobenzene (Surr)	92		80 - 120		10/07/24 11:27	1
Dibromofluoromethane (Surr)	102		80 - 120		10/07/24 11:27	1
Toluene-d8 (Surr)	99		80 - 120		10/07/24 11:27	1

Lab Sample ID: LCS 410-560047/4

Matrix: Water

Analysis Batch: 560047

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	21.1		ug/L		106	79 - 120
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	73 - 120
1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		101	72 - 120
1,1,2-Trichloroethane	20.0	21.7		ug/L		109	80 - 120
1,1-Dichloroethane	20.0	21.2		ug/L		106	80 - 120
1,1-Dichloroethene	20.0	20.7		ug/L		103	80 - 131
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	66 - 120
1,2,3-Trichloropropane	20.0	19.4		ug/L		97	75 - 124
1,2,4-Trichlorobenzene	20.0	20.2		ug/L		101	63 - 120
1,2,4-Trimethylbenzene	20.0	19.9		ug/L		99	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.6		ug/L		83	60 - 120
1,2-Dibromoethane	20.0	20.2		ug/L		101	77 - 120
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,2-Dichloroethane	20.0	20.1		ug/L		101	73 - 124
1,2-Dichloropropane	20.0	20.3		ug/L		102	80 - 120
1,3,5-Trimethylbenzene	20.0	20.2		ug/L		101	75 - 120
1,3-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 120
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
2-Butanone	250	169		ug/L		68	59 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189768-1

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

Lab Sample ID: LCS 410-560047/4

Matrix: Water

Analysis Batch: 560047

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	184		ug/L		74	56 - 135
2-Methylnaphthalene	20.0	18.9		ug/L		94	34 - 120
4-Methyl-2-pentanone	250	185		ug/L		74	62 - 133
Acetone	250	256		ug/L		102	57 - 143
Acrylonitrile	100	79.9		ug/L		80	60 - 129
Benzene	20.0	20.5		ug/L		102	80 - 120
Bromobenzene	20.0	20.9		ug/L		104	80 - 120
Bromochloromethane	20.0	20.0		ug/L		100	80 - 120
Bromodichloromethane	20.0	21.4		ug/L		107	71 - 120
Bromoform	20.0	20.8		ug/L		104	51 - 120
Bromomethane	20.0	15.9		ug/L		80	53 - 128
Carbon disulfide	20.0	18.9		ug/L		94	65 - 128
Carbon tetrachloride	20.0	20.4		ug/L		102	64 - 134
Chlorobenzene	20.0	20.7		ug/L		104	80 - 120
Chloroethane	20.0	14.8		ug/L		74	55 - 123
Chloroform	20.0	19.1		ug/L		95	80 - 120
Chloromethane	20.0	20.2		ug/L		101	39 - 134
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 125
cis-1,3-Dichloropropene	20.0	19.3		ug/L		97	75 - 120
Dibromochloromethane	20.0	22.1		ug/L		111	71 - 120
Dibromomethane	20.0	20.7		ug/L		103	80 - 120
Dichlorodifluoromethane	20.0	20.6		ug/L		103	26 - 127
Ethyl ether	19.9	20.4		ug/L		102	13 - 161
Ethylbenzene	20.0	19.8		ug/L		99	80 - 120
Isopropylbenzene	20.0	21.6		ug/L		108	80 - 120
m&p-Xylene	40.0	39.3		ug/L		98	80 - 120
Methyl iodide	20.0	17.1		ug/L		85	63 - 125
Methyl tertiary butyl ether	20.0	17.0		ug/L		85	69 - 122
Methylene Chloride	20.0	20.1		ug/L		100	80 - 120
Naphthalene	20.0	18.9		ug/L		94	67 - 124
n-Butylbenzene	20.0	20.8		ug/L		104	76 - 120
N-Propylbenzene	20.0	21.1		ug/L		105	79 - 121
o-Xylene	20.0	18.9		ug/L		95	80 - 120
p-Isopropyltoluene	20.0	19.6		ug/L		98	76 - 120
sec-Butylbenzene	20.0	20.6		ug/L		103	77 - 120
Styrene	20.0	19.8		ug/L		99	80 - 120
tert-Butylbenzene	20.0	20.6		ug/L		103	78 - 120
Tetrachloroethene	20.0	20.2		ug/L		101	80 - 120
Tetrahydrofuran	100	113		ug/L		113	65 - 135
Toluene	20.0	21.0		ug/L		105	80 - 120
trans-1,2-Dichloroethene	20.0	21.4		ug/L		107	80 - 126
trans-1,3-Dichloropropene	20.0	20.3		ug/L		101	67 - 120
trans-1,4-Dichloro-2-butene	100	99.0		ug/L		99	33 - 143
Trichloroethene	20.0	20.6		ug/L		103	80 - 120
Trichlorofluoromethane	20.0	15.1		ug/L		76	51 - 120
Vinyl chloride	20.0	21.3		ug/L		106	56 - 120

QC Sample Results

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

Job ID: 410-189768-1

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

Lab Sample ID: LCS 410-560047/4

Matrix: Water

Analysis Batch: 560047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 410-560047/5

Matrix: Water

Analysis Batch: 560047

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	21.1		ug/L		105	79 - 120	0	30
1,1,1-Trichloroethane	20.0	18.9		ug/L		94	73 - 120	5	30
1,1,1,2-Tetrachloroethane	20.0	20.1		ug/L		100	72 - 120	0	30
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	80 - 120	3	30
1,1-Dichloroethane	20.0	20.9		ug/L		104	80 - 120	2	30
1,1-Dichloroethane	20.0	19.3		ug/L		96	80 - 131	7	30
1,2,3-Trichlorobenzene	20.0	20.5		ug/L		103	66 - 120	3	30
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	75 - 124	4	30
1,2,4-Trichlorobenzene	20.0	19.6		ug/L		98	63 - 120	3	30
1,2,4-Trimethylbenzene	20.0	19.0		ug/L		95	75 - 120	5	30
1,2-Dibromo-3-Chloropropane	20.0	16.1		ug/L		81	60 - 120	3	30
1,2-Dibromoethane	20.0	19.7		ug/L		99	77 - 120	3	30
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120	2	30
1,2-Dichloroethane	20.0	19.3		ug/L		97	73 - 124	4	30
1,2-Dichloropropane	20.0	20.4		ug/L		102	80 - 120	0	30
1,3,5-Trimethylbenzene	20.0	19.9		ug/L		100	75 - 120	1	30
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120	4	30
1,4-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120	1	30
2-Butanone	250	172		ug/L		69	59 - 135	1	30
2-Hexanone	250	185		ug/L		74	56 - 135	0	30
2-Methylnaphthalene	20.0	17.4		ug/L		87	34 - 120	8	30
4-Methyl-2-pentanone	250	186		ug/L		75	62 - 133	1	30
Acetone	250	247		ug/L		99	57 - 143	4	30
Acrylonitrile	100	80.0		ug/L		80	60 - 129	0	30
Benzene	20.0	20.2		ug/L		101	80 - 120	1	30
Bromobenzene	20.0	20.2		ug/L		101	80 - 120	3	30
Bromochloromethane	20.0	19.8		ug/L		99	80 - 120	1	30
Bromodichloromethane	20.0	21.0		ug/L		105	71 - 120	2	30
Bromoform	20.0	20.7		ug/L		103	51 - 120	1	30
Bromomethane	20.0	16.9		ug/L		84	53 - 128	6	30
Carbon disulfide	20.0	18.1		ug/L		90	65 - 128	4	30
Carbon tetrachloride	20.0	19.8		ug/L		99	64 - 134	3	30
Chlorobenzene	20.0	20.3		ug/L		102	80 - 120	2	30
Chloroethane	20.0	15.2		ug/L		76	55 - 123	3	30
Chloroform	20.0	19.0		ug/L		95	80 - 120	0	30
Chloromethane	20.0	19.8		ug/L		99	39 - 134	2	30
cis-1,2-Dichloroethene	20.0	20.7		ug/L		103	80 - 125	0	30
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	75 - 120	5	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189768-1

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

Lab Sample ID: LCSD 410-560047/5

Matrix: Water

Analysis Batch: 560047

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	21.4		ug/L		107	71 - 120	3	30
Dibromomethane	20.0	20.1		ug/L		101	80 - 120	3	30
Dichlorodifluoromethane	20.0	19.3		ug/L		96	26 - 127	7	30
Ethyl ether	19.9	17.7		ug/L		89	13 - 161	14	30
Ethylbenzene	20.0	19.7		ug/L		98	80 - 120	1	30
Isopropylbenzene	20.0	21.5		ug/L		108	80 - 120	1	30
m&p-Xylene	40.0	39.1		ug/L		98	80 - 120	1	30
Methyl iodide	20.0	15.9		ug/L		79	63 - 125	7	30
Methyl tertiary butyl ether	20.0	17.2		ug/L		86	69 - 122	1	30
Methylene Chloride	20.0	20.0		ug/L		100	80 - 120	0	30
Naphthalene	20.0	18.5		ug/L		92	67 - 124	2	30
n-Butylbenzene	20.0	19.9		ug/L		100	76 - 120	5	30
N-Propylbenzene	20.0	20.5		ug/L		102	79 - 121	3	30
o-Xylene	20.0	18.9		ug/L		95	80 - 120	0	30
p-Isopropyltoluene	20.0	19.1		ug/L		95	76 - 120	3	30
sec-Butylbenzene	20.0	20.1		ug/L		100	77 - 120	2	30
Styrene	20.0	19.6		ug/L		98	80 - 120	1	30
tert-Butylbenzene	20.0	19.6		ug/L		98	78 - 120	5	30
Tetrachloroethene	20.0	19.6		ug/L		98	80 - 120	3	30
Tetrahydrofuran	100	112		ug/L		112	65 - 135	0	30
Toluene	20.0	20.7		ug/L		103	80 - 120	2	30
trans-1,2-Dichloroethene	20.0	20.7		ug/L		104	80 - 126	3	30
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	67 - 120	0	30
trans-1,4-Dichloro-2-butene	100	95.5		ug/L		96	33 - 143	4	30
Trichloroethene	20.0	19.7		ug/L		99	80 - 120	4	30
Trichlorofluoromethane	20.0	15.1		ug/L		76	51 - 120	0	30
Vinyl chloride	20.0	20.7		ug/L		103	56 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-557696/1-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557696

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		10/01/24 07:18	10/02/24 05:27	1
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		10/01/24 07:18	10/02/24 05:27	1
2,4-D (1C)	ND		0.60	0.25	ug/L		10/01/24 07:18	10/02/24 05:27	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dalapon (1C)	ND		12	5.7	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dicamba (1C)	ND		0.55	0.27	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dinoseb (1C)	ND		0.60	0.28	ug/L		10/01/24 07:18	10/02/24 05:27	1

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QC Sample Results

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

Job ID: 410-189768-1

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

Lab Sample ID: MB 410-557696/1-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP (1C)	ND		200	50	ug/L		10/01/24 07:18	10/02/24 05:27	1
MCPA (1C)	ND		200	50	ug/L		10/01/24 07:18	10/02/24 05:27	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		10/01/24 07:18	10/02/24 05:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	82		34 - 142	10/01/24 07:18	10/02/24 05:27	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	72		34 - 142	10/01/24 07:18	10/02/24 05:27	1

Lab Sample ID: LCS 410-557696/2-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 557696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T (2C)	0.250	0.313		ug/L		125	57 - 171
Silvex (2,4,5-TP) (2C)	0.250	0.322		ug/L		129	62 - 170
2,4-D (2C)	2.50	2.75		ug/L		110	53 - 159
2,4-DB (2C)	2.50	3.08		ug/L		123	27 - 159
Dichlorprop (1C)	2.51	2.33		ug/L		93	60 - 151
Dalapon (2C)	6.26	ND		ug/L		48	26 - 115
Dicamba (1C)	0.250	ND		ug/L		95	49 - 140
Dinoseb (2C)	1.25	ND		ug/L		15	10 - 169
MCPP (1C)	251	277		ug/L		111	50 - 144
MCPA (1C)	496	466		ug/L		94	24 - 144
Pentachlorophenol (2C)	0.199	0.236		ug/L		119	56 - 185

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	90		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	94		34 - 142

Lab Sample ID: LCSD 410-557696/3-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 557696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T (2C)	0.250	0.314		ug/L		126	57 - 171	0	30
Silvex (2,4,5-TP) (2C)	0.250	0.325		ug/L		130	62 - 170	1	30
2,4-D (2C)	2.50	2.91		ug/L		116	53 - 159	6	30
2,4-DB (2C)	2.50	3.13		ug/L		125	27 - 159	2	30
Dichlorprop (1C)	2.51	2.37		ug/L		94	60 - 151	1	30
Dalapon (1C)	6.26	ND	*1	ug/L		71	26 - 115	38	30
Dicamba (1C)	0.250	ND		ug/L		97	49 - 140	2	30
Dinoseb (2C)	1.25	ND		ug/L		15	10 - 169	1	30
MCPP (1C)	251	281		ug/L		112	50 - 144	1	30
MCPA (1C)	496	472		ug/L		95	24 - 144	1	30
Pentachlorophenol (2C)	0.199	0.254		ug/L		128	56 - 185	7	30

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QC Sample Results

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

Job ID: 410-189768-1

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

Lab Sample ID: LCSD 410-557696/3-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 557696

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	91		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	100		34 - 142

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

Lab Sample ID: MB 410-557611/5

Matrix: Water

Analysis Batch: 557611

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			10/01/24 10:10	1

Lab Sample ID: LCS 410-557611/3

Matrix: Water

Analysis Batch: 557611

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	7.27		mg/L		97	90 - 110

Lab Sample ID: LCSD 410-557611/4

Matrix: Water

Analysis Batch: 557611

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	7.26		mg/L		97	90 - 110	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-559471/1-A

Matrix: Water

Analysis Batch: 561749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 559471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		10/04/24 10:42	10/10/24 11:13	1

Lab Sample ID: LCS 410-559471/2-A

Matrix: Water

Analysis Batch: 561749

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 559471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	4.75		mg/L		95	90 - 111

Lab Sample ID: MB 410-559773/1-A

Matrix: Water

Analysis Batch: 560988

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 559773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		10/05/24 03:25	10/08/24 17:04	1

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QC Sample Results

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

Job ID: 410-189768-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-559773/2-A

Matrix: Water

Analysis Batch: 560988

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 559773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.14		mg/L		103	90 - 111

Lab Sample ID: LCSD 410-559773/3-A

Matrix: Water

Analysis Batch: 560988

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 559773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	5.00	5.07		mg/L		101	90 - 111	1	20

Lab Sample ID: MB 410-558349/1-A

Matrix: Water

Analysis Batch: 562372

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 558349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		10/07/24 07:07	10/11/24 19:30	1
Iron	ND		0.050	0.020	mg/L		10/07/24 07:07	10/11/24 19:30	1
Manganese	0.0292		0.0020	0.00095	mg/L		10/07/24 07:07	10/11/24 19:30	1

Lab Sample ID: LCS 410-558349/2-A

Matrix: Water

Analysis Batch: 562372

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 558349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.451		mg/L		90	90 - 109
Iron	5.00	4.66		mg/L		93	90 - 111
Manganese	0.500	0.472		mg/L		94	90 - 111

Lab Sample ID: MB 410-559595/1-A

Matrix: Water

Analysis Batch: 560988

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 559595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		10/04/24 21:00	10/08/24 15:16	1
Iron	ND		0.050	0.020	mg/L		10/04/24 21:00	10/08/24 15:16	1
Manganese	ND		0.0020	0.00095	mg/L		10/04/24 21:00	10/08/24 15:16	1

Lab Sample ID: MB 410-559595/1-A

Matrix: Water

Analysis Batch: 561917

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 559595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.00095	mg/L		10/04/24 21:00	10/10/24 19:02	1

Lab Sample ID: LCS 410-559595/2-A

Matrix: Water

Analysis Batch: 560988

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 559595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.470		mg/L		94	90 - 109
Iron	5.00	4.81		mg/L		96	90 - 111

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QC Sample Results

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

Job ID: 410-189768-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-559595/2-A

Matrix: Water

Analysis Batch: 560988

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 559595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.474		mg/L		95	90 - 111

Lab Sample ID: LCS 410-559595/2-A

Matrix: Water

Analysis Batch: 561917

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 559595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.492		mg/L		98	90 - 111

Lab Sample ID: 410-189768-8 MS

Matrix: Water

Analysis Batch: 560988

Client Sample ID: EB-1-W-240925

Prep Type: Total Recoverable

Prep Batch: 559595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.482		mg/L		96	75 - 125
Iron	ND		5.00	4.82		mg/L		96	75 - 125
Manganese	ND		0.500	0.478		mg/L		96	75 - 125

Lab Sample ID: 410-189768-8 MSD

Matrix: Water

Analysis Batch: 560988

Client Sample ID: EB-1-W-240925

Prep Type: Total Recoverable

Prep Batch: 559595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.466		mg/L		93	75 - 125	3	20
Iron	ND		5.00	4.72		mg/L		94	75 - 125	2	20
Manganese	ND		0.500	0.476		mg/L		95	75 - 125	0	20

Lab Sample ID: 410-189768-8 DU

Matrix: Water

Analysis Batch: 560988

Client Sample ID: EB-1-W-240925

Prep Type: Total Recoverable

Prep Batch: 559595

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	ND		ND		mg/L		NC	20
Iron	ND		ND		mg/L		NC	20
Manganese	ND		ND		mg/L		NC	20

Lab Sample ID: MB 410-559714/1-A

Matrix: Water

Analysis Batch: 562636

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 559714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		10/04/24 21:00	10/13/24 10:25	1
Iron	ND		0.050	0.020	mg/L		10/04/24 21:00	10/13/24 10:25	1
Manganese	ND		0.0020	0.00095	mg/L		10/04/24 21:00	10/13/24 10:25	1

QC Sample Results

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

Job ID: 410-189768-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-559714/2-A

Matrix: Water

Analysis Batch: 562636

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 559714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.453		mg/L		91	90 - 109
Iron	5.00	4.49		mg/L		90	90 - 111
Manganese	0.500	0.450		mg/L		90	90 - 111

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-558524/38

Matrix: Water

Analysis Batch: 558524

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			10/01/24 21:26	1

Lab Sample ID: LCS 410-558524/41

Matrix: Water

Analysis Batch: 558524

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	191		mg/L		101	80 - 110

Lab Sample ID: LCSD 410-558524/42

Matrix: Water

Analysis Batch: 558524

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	192		mg/L		101	80 - 110	1	10

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-556498/14

Matrix: Water

Analysis Batch: 556498

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			09/27/24 09:04	1

Lab Sample ID: MB 410-556498/45

Matrix: Water

Analysis Batch: 556498

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			09/27/24 09:16	1

Lab Sample ID: LCS 410-556498/12

Matrix: Water

Analysis Batch: 556498

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	0.493		mg/L		99	90 - 110

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QC Sample Results

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

Job ID: 410-189768-1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: LCS 410-556498/43
Matrix: Water
Analysis Batch: 556498

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	0.496		mg/L		99	90 - 110

Lab Sample ID: LCSD 410-556498/13
Matrix: Water
Analysis Batch: 556498

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	0.492		mg/L		98	90 - 110	0	20

Lab Sample ID: LCSD 410-556498/44
Matrix: Water
Analysis Batch: 556498

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	0.498		mg/L		100	90 - 110	0	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 410-557028/1-A
Matrix: Water
Analysis Batch: 558656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557028

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		10/02/24 00:00	10/02/24 14:38	1

Lab Sample ID: LCS 410-557028/2-A
Matrix: Water
Analysis Batch: 558656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.67	1.82		mg/L		109	90 - 110

Lab Sample ID: 410-189768-3 MS
Matrix: Water
Analysis Batch: 558656

Client Sample ID: MW-13-W-240925
Prep Type: Total/NA
Prep Batch: 557028

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.076	J	2.01	2.18		mg/L		105	90 - 110

Lab Sample ID: 410-189768-1 DU
Matrix: Water
Analysis Batch: 558656

Client Sample ID: MW-23-W-240925
Prep Type: Total/NA
Prep Batch: 557028

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Phosphorus as P	ND	cn	ND		mg/L		NC	4

QC Sample Results

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

Job ID: 410-189768-1

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

Lab Sample ID: SCB 410-558651/4

Matrix: Water

Analysis Batch: 558651

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	1.37	s	0.0000010	0.0000010	mg/L			09/27/24 11:45	1

Lab Sample ID: USB 410-558651/2

Matrix: Water

Analysis Batch: 558651

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	0.180		0.0000010	0.0000010	mg/L			09/27/24 11:45	1

Lab Sample ID: LCS 410-558651/5

Matrix: Water

Analysis Batch: 558651

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	196	178		mg/L		91	84.5 - 115. 96 154

Lab Sample ID: 410-189768-1 DU

Matrix: Water

Analysis Batch: 558651

Client Sample ID: MW-23-W-240925

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	3.8	H cn	3.71		mg/L		3	30

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-557455/17

Matrix: Water

Analysis Batch: 557455

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			09/30/24 12:45	1

Lab Sample ID: LCS 410-557455/15

Matrix: Water

Analysis Batch: 557455

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	2.10		mg/L		105	90 - 110

Lab Sample ID: LCSD 410-557455/16

Matrix: Water

Analysis Batch: 557455

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	2.11		mg/L		106	90 - 110	0	15

QC Association Summary

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

Job ID: 410-189768-1

GC/MS VOA

Analysis Batch: 560047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	8260D	
410-189768-2	TB-1-W-240925	Total/NA	Water	8260D	
410-189768-3	MW-13-W-240925	Total/NA	Water	8260D	
410-189768-4	MW-16-W-240925	Total/NA	Water	8260D	
410-189768-5	WB-1-W-240925	Total/NA	Water	8260D	
MB 410-560047/7	Method Blank	Total/NA	Water	8260D	
LCS 410-560047/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-560047/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 557696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	8151A	
410-189768-1 - DL	MW-23-W-240925	Total/NA	Water	8151A	
410-189768-3	MW-13-W-240925	Total/NA	Water	8151A	
410-189768-4 - DL	MW-16-W-240925	Total/NA	Water	8151A	
410-189768-4	MW-16-W-240925	Total/NA	Water	8151A	
410-189768-5	WB-1-W-240925	Total/NA	Water	8151A	
MB 410-557696/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-557696/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-557696/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 558192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	8151A	557696
410-189768-1 - DL	MW-23-W-240925	Total/NA	Water	8151A	557696
410-189768-3	MW-13-W-240925	Total/NA	Water	8151A	557696
410-189768-4	MW-16-W-240925	Total/NA	Water	8151A	557696
410-189768-4 - DL	MW-16-W-240925	Total/NA	Water	8151A	557696
410-189768-5	WB-1-W-240925	Total/NA	Water	8151A	557696
MB 410-557696/1-A	Method Blank	Total/NA	Water	8151A	557696
LCS 410-557696/2-A	Lab Control Sample	Total/NA	Water	8151A	557696
LCSD 410-557696/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	557696

HPLC/IC

Analysis Batch: 557611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	EPA 300.0 R2.1	
410-189768-3	MW-13-W-240925	Total/NA	Water	EPA 300.0 R2.1	
410-189768-4	MW-16-W-240925	Total/NA	Water	EPA 300.0 R2.1	
410-189768-5	WB-1-W-240925	Total/NA	Water	EPA 300.0 R2.1	
MB 410-557611/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-557611/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-557611/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 558349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-4	MW-16-W-240925	Total Recoverable	Water	3005A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189768-1

Metals (Continued)

Prep Batch: 558349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-6	MW-14-W-240925	Total Recoverable	Water	3005A	
MB 410-558349/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-558349/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 559471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Dissolved	Water	Non-Digest Prep	
MB 410-559471/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-559471/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 559595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-3	MW-13-W-240925	Total Recoverable	Water	3005A	
410-189768-5	WB-1-W-240925	Total Recoverable	Water	3005A	
410-189768-7	MW-14-WD-240925	Total Recoverable	Water	3005A	
410-189768-8	EB-1-W-240925	Total Recoverable	Water	3005A	
MB 410-559595/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-559595/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
410-189768-8 MS	EB-1-W-240925	Total Recoverable	Water	3005A	
410-189768-8 MSD	EB-1-W-240925	Total Recoverable	Water	3005A	
410-189768-8 DU	EB-1-W-240925	Total Recoverable	Water	3005A	

Prep Batch: 559714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total Recoverable	Water	3005A	
MB 410-559714/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-559714/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 559773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-3	MW-13-W-240925	Dissolved	Water	Non-Digest Prep	
410-189768-4	MW-16-W-240925	Dissolved	Water	Non-Digest Prep	
410-189768-5	WB-1-W-240925	Dissolved	Water	Non-Digest Prep	
MB 410-559773/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-559773/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
LCSD 410-559773/3-A	Lab Control Sample Dup	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 560988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-3	MW-13-W-240925	Dissolved	Water	6020B	559773
410-189768-3	MW-13-W-240925	Total Recoverable	Water	6020B	559595
410-189768-4	MW-16-W-240925	Dissolved	Water	6020B	559773
410-189768-5	WB-1-W-240925	Dissolved	Water	6020B	559773
410-189768-5	WB-1-W-240925	Total Recoverable	Water	6020B	559595
410-189768-7	MW-14-WD-240925	Total Recoverable	Water	6020B	559595
410-189768-8	EB-1-W-240925	Total Recoverable	Water	6020B	559595
MB 410-559595/1-A	Method Blank	Total Recoverable	Water	6020B	559595
MB 410-559773/1-A	Method Blank	Total/NA	Water	6020B	559773
LCS 410-559595/2-A	Lab Control Sample	Total Recoverable	Water	6020B	559595
LCS 410-559773/2-A	Lab Control Sample	Total/NA	Water	6020B	559773
LCSD 410-559773/3-A	Lab Control Sample Dup	Total/NA	Water	6020B	559773

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189768-1

Metals (Continued)

Analysis Batch: 560988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-8 MS	EB-1-W-240925	Total Recoverable	Water	6020B	559595
410-189768-8 MSD	EB-1-W-240925	Total Recoverable	Water	6020B	559595
410-189768-8 DU	EB-1-W-240925	Total Recoverable	Water	6020B	559595

Analysis Batch: 561749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Dissolved	Water	6020B	559471
MB 410-559471/1-A	Method Blank	Total/NA	Water	6020B	559471
LCS 410-559471/2-A	Lab Control Sample	Total/NA	Water	6020B	559471

Analysis Batch: 561917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-5	WB-1-W-240925	Total Recoverable	Water	6020B	559595
MB 410-559595/1-A	Method Blank	Total Recoverable	Water	6020B	559595
LCS 410-559595/2-A	Lab Control Sample	Total Recoverable	Water	6020B	559595

Analysis Batch: 562372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-4	MW-16-W-240925	Total Recoverable	Water	6020B	558349
410-189768-6	MW-14-W-240925	Total Recoverable	Water	6020B	558349
MB 410-558349/1-A	Method Blank	Total Recoverable	Water	6020B	558349
LCS 410-558349/2-A	Lab Control Sample	Total Recoverable	Water	6020B	558349

Analysis Batch: 562636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total Recoverable	Water	6020B	559714
MB 410-559714/1-A	Method Blank	Total Recoverable	Water	6020B	559714
LCS 410-559714/2-A	Lab Control Sample	Total Recoverable	Water	6020B	559714

General Chemistry

Analysis Batch: 556498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	353.2	
410-189768-3	MW-13-W-240925	Total/NA	Water	353.2	
410-189768-4	MW-16-W-240925	Total/NA	Water	353.2	
410-189768-5	WB-1-W-240925	Total/NA	Water	353.2	
410-189768-6	MW-14-W-240925	Total/NA	Water	353.2	
410-189768-7	MW-14-WD-240925	Total/NA	Water	353.2	
410-189768-8	EB-1-W-240925	Total/NA	Water	353.2	
MB 410-556498/14	Method Blank	Total/NA	Water	353.2	
MB 410-556498/45	Method Blank	Total/NA	Water	353.2	
LCS 410-556498/12	Lab Control Sample	Total/NA	Water	353.2	
LCS 410-556498/43	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-556498/13	Lab Control Sample Dup	Total/NA	Water	353.2	
LCSD 410-556498/44	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 556578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	353.2	
410-189768-3	MW-13-W-240925	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: 410-189768-1

General Chemistry (Continued)

Analysis Batch: 556578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-4	MW-16-W-240925	Total/NA	Water	353.2	
410-189768-5	WB-1-W-240925	Total/NA	Water	353.2	
410-189768-6	MW-14-W-240925	Total/NA	Water	353.2	
410-189768-7	MW-14-WD-240925	Total/NA	Water	353.2	
410-189768-8	EB-1-W-240925	Total/NA	Water	353.2	

Prep Batch: 557028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	365.1	
410-189768-3	MW-13-W-240925	Total/NA	Water	365.1	
410-189768-4	MW-16-W-240925	Total/NA	Water	365.1	
410-189768-5	WB-1-W-240925	Total/NA	Water	365.1	
MB 410-557028/1-A	Method Blank	Total/NA	Water	365.1	
LCS 410-557028/2-A	Lab Control Sample	Total/NA	Water	365.1	
410-189768-3 MS	MW-13-W-240925	Total/NA	Water	365.1	
410-189768-1 DU	MW-23-W-240925	Total/NA	Water	365.1	

Analysis Batch: 557455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	EPA 350.1	
410-189768-3	MW-13-W-240925	Total/NA	Water	EPA 350.1	
410-189768-4	MW-16-W-240925	Total/NA	Water	EPA 350.1	
410-189768-5	WB-1-W-240925	Total/NA	Water	EPA 350.1	
MB 410-557455/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-557455/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-557455/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

Analysis Batch: 558524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	2320B-2011	
410-189768-3	MW-13-W-240925	Total/NA	Water	2320B-2011	
410-189768-4	MW-16-W-240925	Total/NA	Water	2320B-2011	
410-189768-5	WB-1-W-240925	Total/NA	Water	2320B-2011	
MB 410-558524/38	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-558524/41	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-558524/42	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Analysis Batch: 558651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	5210 B-2016	
410-189768-3	MW-13-W-240925	Total/NA	Water	5210 B-2016	
410-189768-4	MW-16-W-240925	Total/NA	Water	5210 B-2016	
410-189768-5	WB-1-W-240925	Total/NA	Water	5210 B-2016	
SCB 410-558651/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 410-558651/2	Method Blank	Total/NA	Water	5210 B-2016	
LCS 410-558651/5	Lab Control Sample	Total/NA	Water	5210 B-2016	
410-189768-1 DU	MW-23-W-240925	Total/NA	Water	5210 B-2016	

Analysis Batch: 558656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-1	MW-23-W-240925	Total/NA	Water	365.1	557028

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189768-1

General Chemistry (Continued)

Analysis Batch: 558656 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189768-3	MW-13-W-240925	Total/NA	Water	365.1	557028
410-189768-4	MW-16-W-240925	Total/NA	Water	365.1	557028
410-189768-5	WB-1-W-240925	Total/NA	Water	365.1	557028
MB 410-557028/1-A	Method Blank	Total/NA	Water	365.1	557028
LCS 410-557028/2-A	Lab Control Sample	Total/NA	Water	365.1	557028
410-189768-3 MS	MW-13-W-240925	Total/NA	Water	365.1	557028
410-189768-1 DU	MW-23-W-240925	Total/NA	Water	365.1	557028

Lab Chronicle

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

Job ID: 410-189768-1

Client Sample ID: MW-23-W-240925

Lab Sample ID: 410-189768-1

Date Collected: 09/25/24 07:25

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	560047	DVW2	ELLE	10/07/24 14:06
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 08:16
Total/NA	Prep	8151A	DL		557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A	DL	10	558192	UAMZ	ELLE	10/02/24 16:16
Total/NA	Analysis	EPA 300.0 R2.1		20	557611	W7FX	ELLE	10/01/24 11:39
Dissolved	Prep	Non-Digest Prep			559471	UJL8	ELLE	10/04/24 10:42
Dissolved	Analysis	6020B		1	561749	F7JF	ELLE	10/10/24 12:00
Total Recoverable	Prep	3005A			559714	UAMX	ELLE	10/04/24 21:00
Total Recoverable	Analysis	6020B		1	562636	F7JF	ELLE	10/13/24 10:49
Total/NA	Analysis	2320B-2011		1	558524	DI9Q	ELLE	10/02/24 08:04
Total/NA	Analysis	353.2		1	556498	Q3HN	ELLE	09/27/24 09:43
Total/NA	Analysis	353.2		1	556578	UKJF	ELLE	09/27/24 11:12
Total/NA	Prep	365.1			557028	PQ9E	ELLE	10/02/24 00:00 - 10/02/24 01:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:42
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 11:45
Total/NA	Analysis	EPA 350.1		1	557455	JCG7	ELLE	09/30/24 12:55

Client Sample ID: TB-1-W-240925

Lab Sample ID: 410-189768-2

Date Collected: 09/25/24 00:00

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	560047	DVW2	ELLE	10/07/24 12:13

Client Sample ID: MW-13-W-240925

Lab Sample ID: 410-189768-3

Date Collected: 09/25/24 08:55

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	560047	DVW2	ELLE	10/07/24 14:28
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 08:44
Total/NA	Analysis	EPA 300.0 R2.1		20	557611	W7FX	ELLE	10/01/24 11:50
Dissolved	Prep	Non-Digest Prep			559773	UJL8	ELLE	10/05/24 03:25
Dissolved	Analysis	6020B		1	560988	F7JF	ELLE	10/08/24 17:52
Total Recoverable	Prep	3005A			559595	UAMX	ELLE	10/04/24 21:00
Total Recoverable	Analysis	6020B		1	560988	F7JF	ELLE	10/08/24 15:38
Total/NA	Analysis	2320B-2011		1	558524	DI9Q	ELLE	10/02/24 08:23
Total/NA	Analysis	353.2		1	556498	Q3HN	ELLE	09/27/24 09:14
Total/NA	Analysis	353.2		1	556578	UKJF	ELLE	09/27/24 11:12
Total/NA	Prep	365.1			557028	PQ9E	ELLE	10/02/24 00:00 - 10/02/24 01:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:43

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

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

Job ID: 410-189768-1

Client Sample ID: MW-13-W-240925

Lab Sample ID: 410-189768-3

Date Collected: 09/25/24 08:55

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 11:45
Total/NA	Analysis	EPA 350.1		1	557455	JCG7	ELLE	09/30/24 12:57

Client Sample ID: MW-16-W-240925

Lab Sample ID: 410-189768-4

Date Collected: 09/25/24 10:15

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	560047	DVW2	ELLE	10/07/24 14:51
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 09:13
Total/NA	Prep	8151A	DL		557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A	DL	20	558192	UAMZ	ELLE	10/02/24 16:45
Total/NA	Analysis	EPA 300.0 R2.1		20	557611	W7FX	ELLE	10/01/24 12:01
Dissolved	Prep	Non-Digest Prep			559773	UJL8	ELLE	10/05/24 03:25
Dissolved	Analysis	6020B		1	560988	F7JF	ELLE	10/08/24 17:54
Total Recoverable	Prep	3005A			558349	UJL8	ELLE	10/07/24 07:07
Total Recoverable	Analysis	6020B		1	562372	T8CQ	ELLE	10/11/24 20:42
Total/NA	Analysis	2320B-2011		1	558524	DI9Q	ELLE	10/02/24 07:53
Total/NA	Analysis	353.2		1	556498	Q3HN	ELLE	09/27/24 09:33
Total/NA	Analysis	353.2		1	556578	UKJF	ELLE	09/27/24 11:12
Total/NA	Prep	365.1			557028	PQ9E	ELLE	10/02/24 00:00 - 10/02/24 01:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:45
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 12:35
Total/NA	Analysis	EPA 350.1		1	557455	JCG7	ELLE	09/30/24 12:59

Client Sample ID: WB-1-W-240925

Lab Sample ID: 410-189768-5

Date Collected: 09/25/24 10:30

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	560047	DVW2	ELLE	10/07/24 15:13
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 09:41
Total/NA	Analysis	EPA 300.0 R2.1		1	557611	W7FX	ELLE	10/01/24 12:12
Dissolved	Prep	Non-Digest Prep			559773	UJL8	ELLE	10/05/24 03:25
Dissolved	Analysis	6020B		1	560988	F7JF	ELLE	10/08/24 17:56
Total Recoverable	Prep	3005A			559595	UAMX	ELLE	10/04/24 21:00
Total Recoverable	Analysis	6020B		1	560988	F7JF	ELLE	10/08/24 15:42
Total Recoverable	Prep	3005A			559595	UAMX	ELLE	10/04/24 21:00
Total Recoverable	Analysis	6020B		1	561917	T8CQ	ELLE	10/10/24 19:06
Total/NA	Analysis	2320B-2011		1	558524	DI9Q	ELLE	10/02/24 08:30
Total/NA	Analysis	353.2		1	556498	Q3HN	ELLE	09/27/24 09:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

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

Job ID: 410-189768-1

Client Sample ID: WB-1-W-240925

Lab Sample ID: 410-189768-5

Date Collected: 09/25/24 10:30

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		1	556578	UKJF	ELLE	09/27/24 11:12
Total/NA	Prep	365.1			557028	PQ9E	ELLE	10/02/24 00:00 - 10/02/24 01:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:45
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 11:45
Total/NA	Analysis	EPA 350.1		1	557455	JCG7	ELLE	09/30/24 13:06

Client Sample ID: MW-14-W-240925

Lab Sample ID: 410-189768-6

Date Collected: 09/25/24 11:40

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			558349	UJL8	ELLE	10/07/24 07:07
Total Recoverable	Analysis	6020B		1	562372	T8CQ	ELLE	10/11/24 20:44
Total/NA	Analysis	353.2		1	556498	Q3HN	ELLE	09/27/24 09:21
Total/NA	Analysis	353.2		1	556578	UKJF	ELLE	09/27/24 11:12

Client Sample ID: MW-14-WD-240925

Lab Sample ID: 410-189768-7

Date Collected: 09/25/24 11:50

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			559595	UAMX	ELLE	10/04/24 21:00
Total Recoverable	Analysis	6020B		1	560988	F7JF	ELLE	10/08/24 15:44
Total/NA	Analysis	353.2		1	556498	Q3HN	ELLE	09/27/24 09:22
Total/NA	Analysis	353.2		1	556578	UKJF	ELLE	09/27/24 11:12

Client Sample ID: EB-1-W-240925

Lab Sample ID: 410-189768-8

Date Collected: 09/25/24 12:00

Matrix: Water

Date Received: 09/26/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			559595	UAMX	ELLE	10/04/24 21:00
Total Recoverable	Analysis	6020B		1	560988	F7JF	ELLE	10/08/24 15:20
Total/NA	Analysis	353.2		1	556498	Q3HN	ELLE	09/27/24 09:22
Total/NA	Analysis	353.2		1	556578	UKJF	ELLE	09/27/24 11:12

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: 410-189768-1

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	04-11-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	2-Methylnaphthalene
8260D		Water	Ethyl ether

Method Summary

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

Job ID: 410-189768-1

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: 410-189768-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-189768-1	MW-23-W-240925	Water	09/25/24 07:25	09/26/24 10:00
410-189768-2	TB-1-W-240925	Water	09/25/24 00:00	09/26/24 10:00
410-189768-3	MW-13-W-240925	Water	09/25/24 08:55	09/26/24 10:00
410-189768-4	MW-16-W-240925	Water	09/25/24 10:15	09/26/24 10:00
410-189768-5	WB-1-W-240925	Water	09/25/24 10:30	09/26/24 10:00
410-189768-6	MW-14-W-240925	Water	09/25/24 11:40	09/26/24 10:00
410-189768-7	MW-14-WD-240925	Water	09/25/24 11:50	09/26/24 10:00
410-189768-8	EB-1-W-240925	Water	09/25/24 12:00	09/26/24 10:00



410-189768 Chain of Custody

Request/Chain of Custody



eurofins

**Lancaster Laboratories
Environmental**

AC

Environmental use only

File # _____
with closed numbers

[illegible]

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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.

Chevron Northwest Region Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # _____

For Eurofins Lancaster Laboratories Environmental use only

Group # _____

Sample # _____

Instructions on reverse side correspond with circled numbers.

1 Client Information				4 Matrix			5 Analyses Requested												
Facility # <u>Bee Jay Scales</u>		WBS		☐ Sediment ☒ Ground ☐ Surface ☐ Potable ☐ NPDES ☐ Air	Total Number of Containers	BTEX-MTBE 8021 ☐ 8260 ☐ Naphthalene ☐ 8260 full scan <u>VOCs</u> Oxygenates <u>1300 (SMS21B)</u> NMPH-ox <u>Sulfate (EPA 300.0)</u> NMPH-ox with Silica Gel Cleanup <u>(EPA)</u> Total Ion - Multires <u>(EPA 8210)</u> NMPH-ox without Silica Gel Cleanup <u>(EPA 8210)</u> ATR-TOC <u>(EPA 8210)</u> WAPPH <u>WAPPH</u> Lead <u>Lead</u> Diss. <u>Diss.</u> Method <u>Method</u> Nitrate-N <u>(EPA-353.2)</u> Nitrite-N <u>(EPA-353.2)</u> Chlorinated Hydrocarbons <u>(EPA 8151A)</u> Phosphorus <u>(EPA 365.1)</u>													
Site Address <u>116 N 1st St. Sunnyside WA.</u>		Chevron PM																	
Consultant/Office <u>2321 Club Meridian Dr. Ste E Oremus MI</u>		Lead Consultant																	
Consultant Project Mgr. <u>Marisa Haffenberg</u>																			
Consultant Phone # <u>517-202-0459</u>																			
Sampler <u>Dana Hutchins</u>		3 Composite		Soil	Water	Oil	Grab ☐ Composite ☐ Date <u>9-25-24</u> Time <u>0735</u>												
Sample Identification		Collected					Date <u>9-25-24</u> Time <u>0855</u> Date <u>9-25-24</u> Time <u>1015</u> Date <u>9-25-24</u> Time <u>1030</u> Date <u>9-25-24</u> Time <u>1140</u> Date <u>9-25-24</u> Time <u>1150</u> Date <u>9-25-24</u> Time <u>1200</u>												
MW-23-W-240925				X				X											
TB-1-W-240925				X				X											
MW-13-W-240925				X				X											
MW-16-W-240925				X				X											
WB-1-W-240925				X				X											
MW-14-W-240925				X				X											
MW-14-WD-240925				X				X											
EB-1-W-240925				X				X											

SCR #: _____

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run _____ oxy's on highest hit
- ☐ Run _____ oxy's on all hits

6 Remarks

* diss from samples are field lateral

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day

72 hour 48 hour 24 hour

Relinquished by Dana Hutchins Date 9-25-24 Time 1230

Received by _____ Date _____ Time _____

8 Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

Relinquished by Commercial Carrier:

UPS _____ FedEx X Other _____

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

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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.

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-189768-1

Login Number: 189768

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Ballard, Megan

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
Generated 10/14/2024 12:39:24 PM

JOB DESCRIPTION

Bee Jay Scales

JOB NUMBER

410-189949-1

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.

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Definitions/Glossary

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

Job ID: 410-189949-1

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.
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.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Definitions/Glossary

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

Job ID: 410-189949-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 410-189949-1

Job ID: 410-189949-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-189949-1

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

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

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

Receipt

The samples were received on 9/27/2024 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8°C, 2.3°C, 3.1°C and 4.7°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 410-560047 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone and Acrylonitrile. 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 one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-9-W-240925 (410-189949-2), MW-3-W-240926 (410-189949-4), MW-22-W-240926 (410-189949-5) and MW-4R-W-240926 (410-189949-9). The requested target analyte list includes Acrylonitrile, an acid-labile compound that degrades in an acidic medium.

Method 8260D: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-12R-W-240926 (410-189949-3) and MW-5R-W-240926 (410-189949-8). Elevated reporting limits (RLs) are provided.

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 outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-5R-W-240926 (410-189949-8).

Method 8260D: The continuing calibration verification (CCV) analyzed on 410-561581 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 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-12R-W-240926 (410-189949-3), MW-3-W-240926 (410-189949-4), MW-22-W-240926 (410-189949-5), MW-5R-W-240926 (410-189949-8) and MW-4R-W-240926 (410-189949-9). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-562088 recovered above the upper control limit for Acetone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The method requirement for no headspace and proper storage conditions were not met. The following volatile sample was analyzed with headspace in the sample container: TB-1-W-240926 (410-189949-10), which was also stored at room temperature.

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

Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-189949-1

Job ID: 410-189949-1 (Continued)

Eurofins Lancaster Laboratories Environment

Herbicides

Method 8151A: The continuing calibration verification (CCV) associated with batch 410-558192 recovered above the upper control limit for Dinoseb. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are : MW-22-W-240926 (410-189949-5) and MW-5R-W-240926 (410-189949-8).

Method 8151A: The following samples were diluted due to the nature of the sample matrix: MW-9-W-240925 (410-189949-2) and MW-12R-W-240926 (410-189949-3). Elevated reporting limits (RLs) are provided.

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

HPLC/IC

No 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 350.1: 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-5R-W-240926 (410-189949-8) and could not be adjusted. This does not meet regulatory requirements.

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-5R-W-240926 (410-189949-8). The sample(s) were preserved to the appropriate pH in the laboratory.

This does not meet regulatory requirements.

Method SM5210B_Calc: All the dilutions failed to deplete the method-required 2 mgO₂/L for the following samples: MW-12R-W-240926 (410-189949-3). Only a "less than" result could be calculated from the least dilute preparation.

Method SM5210B_Calc: All the dilutions failed to deplete the method-required 2 mgO₂/L for the following samples: MW-5R-W-240926 (410-189949-8). Only a "less than" result could be calculated from the least dilute preparation.

Method SM5210B_Calc: The following sample(s) was received with less than 1 day 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-6-W-240925 (410-189949-1) and MW-9-W-240925 (410-189949-2).

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: 410-189949-1

Client Sample ID: MW-6-W-240925

Lab Sample ID: 410-189949-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	42		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
Manganese	0.041	B ^2	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.033	J	0.052	0.021	mg/L	1		6020B	Dissolved
Carbonate Alkalinity as CaCO3	7.4	J	8.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	210		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	220		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Phenolphthalein Alkalinity as CaCO3 to pH 8.3	3.7	J	8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	6.2		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.048	J	0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.088	J	0.10	0.050	mg/L	1		365.1	Total/NA
Biochemical Oxygen Demand	11	H cn	2.0	2.0	mg/L	1		5210 B-2016	Total/NA

Client Sample ID: MW-9-W-240925

Lab Sample ID: 410-189949-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	6.0		5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	66		1.0	0.30	ug/L	1		8260D	Total/NA
Chlorobenzene	1.0		1.0	0.30	ug/L	1		8260D	Total/NA
Dinoseb (2C) - DL	160	cn	35	16	ug/L	50		8151A	Total/NA
Sulfate	230		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.0074		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.15		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.078	B ^2	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.023	J	0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	410		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	410		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	350		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.081		0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.084	J	0.10	0.050	mg/L	1		365.1	Total/NA
Biochemical Oxygen Demand	18	H cn	2.0	2.0	mg/L	1		5210 B-2016	Total/NA
Ammonia as N	300		10	5.0	mg/L	100		EPA 350.1	Total/NA

Client Sample ID: MW-12R-W-240926

Lab Sample ID: 410-189949-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	110	cn	100	6.0	ug/L	20		8260D	Total/NA
1,2-Dichloropropane	1300	cn	20	6.0	ug/L	20		8260D	Total/NA
Benzene	14	J cn	20	6.0	ug/L	20		8260D	Total/NA
Chlorobenzene	200	cn	20	6.0	ug/L	20		8260D	Total/NA
Dinoseb (2C) - DL	1100	cn	130	60	ug/L	200		8151A	Total/NA
Sulfate	620		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Arsenic	0.010		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.053		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	1.4	B	0.0020	0.00095	mg/L	1		6020B	Total Recoverable

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: 410-189949-1

Client Sample ID: MW-12R-W-240926 (Continued)

Lab Sample ID: 410-189949-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO ₃	710		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO ₃ to pH 4.5	710		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	380		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	250		10	5.0	mg/L	100		EPA 350.1	Total/NA

Client Sample ID: MW-3-W-240926

Lab Sample ID: 410-189949-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloropropane	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
Chlorobenzene	6.9		1.0	0.30	ug/L	1		8260D	Total/NA
Dinoseb (2C) - DL	13		3.2	1.5	ug/L	5		8151A	Total/NA
Sulfate	120		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.0096		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	1.1	B	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO ₃	230		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO ₃ to pH 4.5	230		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	240		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.033	J	0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	2.6		0.10	0.050	mg/L	1		365.1	Total/NA
Biochemical Oxygen Demand	14		2.0	2.0	mg/L	1		5210 B-2016	Total/NA
Ammonia as N	190		5.0	2.5	mg/L	50		EPA 350.1	Total/NA

Client Sample ID: MW-22-W-240926

Lab Sample ID: 410-189949-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	230		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.0047		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.15		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	2.2	B ^2	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.10		0.052	0.021	mg/L	1		6020B	Dissolved
Carbonate Alkalinity as CaCO ₃	87		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO ₃	340		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO ₃ to pH 4.5	430		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Phenolphthalein Alkalinity as CaCO ₃ to pH 8.3	44		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	0.16		0.10	0.040	mg/L	1		353.2	Total/NA
Ammonia as N	0.38		0.10	0.050	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW-8-W-240926

Lab Sample ID: 410-189949-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	76		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
Manganese	0.19	B ^2	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO ₃	280		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: 410-189949-1

Client Sample ID: MW-8-W-240926 (Continued)

Lab Sample ID: 410-189949-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Alkalinity as CaCO ₃ to pH 4.5	280		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	16		0.10	0.040	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.089	J	0.10	0.050	mg/L	1		365.1	Total/NA
Ammonia as N	0.59		0.10	0.050	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: EB-1-W-240926

Lab Sample ID: 410-189949-7

No Detections.

Client Sample ID: MW-5R-W-240926

Lab Sample ID: 410-189949-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	86		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.19		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	2.5		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.53		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	2.4		0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO ₃	2300		40	13	mg/L	5		2320B-2011	Total/NA
Total Alkalinity as CaCO ₃ to pH 4.5	2300		40	13	mg/L	5		2320B-2011	Total/NA
Nitrite as N	0.025	J	0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	1.2	cn	0.10	0.050	mg/L	1		365.1	Total/NA
Ammonia as N	35	cn	2.0	1.0	mg/L	20		EPA 350.1	Total/NA

Client Sample ID: MW-4R-W-240926

Lab Sample ID: 410-189949-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	3.3	J	5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	6.7		1.0	0.30	ug/L	1		8260D	Total/NA
Dicamba (1C)	0.55	J	0.61	0.30	ug/L	1		8151A	Total/NA
Pentachlorophenol (2C)	0.19		0.078	0.030	ug/L	1		8151A	Total/NA
Dinoseb (2C) - DL	34		6.7	3.1	ug/L	10		8151A	Total/NA
Sulfate	180		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.013		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.073		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.35	B ^2	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO ₃	350		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO ₃ to pH 4.5	350		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	0.073		0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.28		0.10	0.050	mg/L	1		365.1	Total/NA
Ammonia as N	250		20	10	mg/L	200		EPA 350.1	Total/NA

Client Sample ID: TB-1-W-240926

Lab Sample ID: 410-189949-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.0	J cn	20	0.70	ug/L	1		8260D	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: 410-189949-1

Client Sample ID: MW-6-W-240925

Lab Sample ID: 410-189949-1

Date Collected: 09/25/24 13:05

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	42		30	10	mg/L			10/01/24 07:26	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		10/04/24 06:55	10/11/24 05:07	1
Iron	ND		0.050	0.020	mg/L		10/04/24 06:55	10/11/24 05:07	1
Manganese	0.041	B ^2	0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 05:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.033	J	0.052	0.021	mg/L		10/05/24 03:13	10/11/24 13:51	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			10/02/24 14:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	7.4	J	8.0	2.6	mg/L			10/02/24 14:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	210		8.0	2.6	mg/L			10/02/24 14:32	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	220		8.0	2.6	mg/L			10/02/24 14:32	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	3.7	J	8.0	2.6	mg/L			10/02/24 14:32	1
Nitrate as N (EPA 353.2)	6.2		0.10	0.040	mg/L			09/30/24 10:36	1
Nitrite as N (EPA 353.2)	0.048	J	0.050	0.015	mg/L			09/27/24 14:26	1
Total Phosphorus as P (EPA 365.1)	0.088	J	0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:51	1
Biochemical Oxygen Demand (SM 5210 B-2016)	11	H cn	2.0	2.0	mg/L			09/27/24 18:50	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			09/30/24 13:49	1

Client Sample ID: MW-9-W-240925

Lab Sample ID: 410-189949-2

Date Collected: 09/25/24 13:45

Matrix: Water

Date Received: 09/27/24 09:45

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			10/07/24 16:21	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 16:21	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/07/24 16:21	1
1,2,3-Trichloropropane	6.0		5.0	0.30	ug/L			10/07/24 16:21	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/07/24 16:21	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			10/07/24 16:21	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/07/24 16:21	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/07/24 16:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
1,2-Dichloropropane	66		1.0	0.30	ug/L			10/07/24 16:21	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-9-W-240925

Lab Sample ID: 410-189949-2

Date Collected: 09/25/24 13:45

Matrix: Water

Date Received: 09/27/24 09:45

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			10/07/24 16:21	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
2-Butanone	ND	cn	10	0.50	ug/L			10/07/24 16:21	1
2-Hexanone	ND	cn	10	0.85	ug/L			10/07/24 16:21	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/07/24 16:21	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			10/07/24 16:21	1
Acetone	ND		20	0.70	ug/L			10/07/24 16:21	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/07/24 16:21	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Bromobenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 16:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 16:21	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 16:21	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 16:21	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Chlorobenzene	1.0		1.0	0.30	ug/L			10/07/24 16:21	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 16:21	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 16:21	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 16:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 16:21	1
Dibromomethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Ethyl ether	ND		5.0	0.30	ug/L			10/07/24 16:21	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 16:21	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/07/24 16:21	1
Methyl iodide	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/07/24 16:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Naphthalene	ND		5.0	1.0	ug/L			10/07/24 16:21	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
o-Xylene	ND		1.0	0.40	ug/L			10/07/24 16:21	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 16:21	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/07/24 16:21	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 16:21	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 16:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 16:21	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/07/24 16:21	1
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/07/24 16:21	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 16:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-9-W-240925

Lab Sample ID: 410-189949-2

Date Collected: 09/25/24 13:45

Matrix: Water

Date Received: 09/27/24 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		10/07/24 16:21	1
4-Bromofluorobenzene (Surr)	91		80 - 120		10/07/24 16:21	1
Dibromofluoromethane (Surr)	105		80 - 120		10/07/24 16:21	1
Toluene-d8 (Surr)	96		80 - 120		10/07/24 16:21	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND	cn	1.8	0.76	ug/L		10/01/24 07:18	10/02/24 11:05	10
Silvex (2,4,5-TP) (1C)	ND	cn	0.58	0.26	ug/L		10/01/24 07:18	10/02/24 11:05	10
2,4-D (1C)	ND	cn	7.0	2.9	ug/L		10/01/24 07:18	10/02/24 11:05	10
2,4-DB (1C)	ND	cn	18	7.4	ug/L		10/01/24 07:18	10/02/24 11:05	10
Dichloroprop (1C)	ND	cn	5.8	1.9	ug/L		10/01/24 07:18	10/02/24 11:05	10
Dalapon (1C)	ND	*1 cn	140	67	ug/L		10/01/24 07:18	10/02/24 11:05	10
Dicamba (1C)	ND	cn	6.4	3.2	ug/L		10/01/24 07:18	10/02/24 11:05	10
MCPPE (2C)	ND	cn	2300	580	ug/L		10/01/24 07:18	10/02/24 11:05	10
MCPA (1C)	ND	cn	2300	580	ug/L		10/01/24 07:18	10/02/24 11:05	10
Pentachlorophenol (1C)	ND	cn	0.82	0.32	ug/L		10/01/24 07:18	10/02/24 11:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	110	cn	34 - 142	10/01/24 07:18	10/02/24 11:05	10
2,4-Dichlorophenylacetic acid (Surr) (2C)	57	p cn	34 - 142	10/01/24 07:18	10/02/24 11:05	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb (2C)	160	cn	35	16	ug/L		10/01/24 07:18	10/03/24 15:03	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	127	cn	34 - 142	10/01/24 07:18	10/03/24 15:03	50
2,4-Dichlorophenylacetic acid (Surr) (2C)	0	S1- cn	34 - 142	10/01/24 07:18	10/03/24 15:03	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	230		30	10	mg/L			10/01/24 07:38	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0074		0.0020	0.00068	mg/L		10/04/24 06:55	10/11/24 05:10	1
Iron	0.15		0.050	0.020	mg/L		10/04/24 06:55	10/11/24 05:10	1
Manganese	0.078	B ^2	0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 05:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.023	J	0.052	0.021	mg/L		10/05/24 03:13	10/11/24 13:53	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			10/02/24 14:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 14:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-9-W-240925

Lab Sample ID: 410-189949-2

Date Collected: 09/25/24 13:45

Matrix: Water

Date Received: 09/27/24 09:45

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	410		8.0	2.6	mg/L			10/02/24 14:26	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	410		8.0	2.6	mg/L			10/02/24 14:26	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 14:26	1
Nitrate as N (EPA 353.2)	350		0.10	0.040	mg/L			09/30/24 10:36	1
Nitrite as N (EPA 353.2)	0.081		0.050	0.015	mg/L			09/27/24 14:28	1
Total Phosphorus as P (EPA 365.1)	0.084	J	0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:51	1
Biochemical Oxygen Demand (SM 5210 B-2016)	18	H cn	2.0	2.0	mg/L			09/27/24 18:50	1
Ammonia as N (EPA 350.1)	300		10	5.0	mg/L			09/30/24 13:51	100

Client Sample ID: MW-12R-W-240926

Lab Sample ID: 410-189949-3

Date Collected: 09/26/24 07:35

Matrix: Water

Date Received: 09/27/24 09:45

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	20	6.0	ug/L			10/10/24 16:21	20
1,1,1-Trichloroethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
1,1,2,2-Tetrachloroethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
1,1,2-Trichloroethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
1,1-Dichloroethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
1,1-Dichloroethene	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
1,2,3-Trichlorobenzene	ND	cn	100	8.0	ug/L			10/10/24 16:21	20
1,2,3-Trichloropropane	110	cn	100	6.0	ug/L			10/10/24 16:21	20
1,2,4-Trichlorobenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
1,2,4-Trimethylbenzene	ND	cn	100	20	ug/L			10/10/24 16:21	20
1,2-Dibromo-3-Chloropropane	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
1,2-Dibromoethane	ND	cn	20	4.0	ug/L			10/10/24 16:21	20
1,2-Dichlorobenzene	ND	cn	100	4.0	ug/L			10/10/24 16:21	20
1,2-Dichloroethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
1,2-Dichloropropane	1300	cn	20	6.0	ug/L			10/10/24 16:21	20
1,3,5-Trimethylbenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
1,3-Dichlorobenzene	ND	cn	100	14	ug/L			10/10/24 16:21	20
1,4-Dichlorobenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
2-Butanone	ND	cn	200	10	ug/L			10/10/24 16:21	20
2-Hexanone	ND	cn	200	17	ug/L			10/10/24 16:21	20
2-Methylnaphthalene	ND	cn	100	40	ug/L			10/10/24 16:21	20
4-Methyl-2-pentanone	ND	cn	200	10	ug/L			10/10/24 16:21	20
Acetone	ND	cn	400	14	ug/L			10/10/24 16:21	20
Acrylonitrile	ND	cn	400	32	ug/L			10/10/24 16:21	20
Benzene	14	J cn	20	6.0	ug/L			10/10/24 16:21	20
Bromobenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
Bromochloromethane	ND	cn	100	4.0	ug/L			10/10/24 16:21	20
Bromodichloromethane	ND	cn	20	4.0	ug/L			10/10/24 16:21	20
Bromoform	ND	cn	80	20	ug/L			10/10/24 16:21	20
Bromomethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Carbon disulfide	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
Carbon tetrachloride	ND	cn	20	6.0	ug/L			10/10/24 16:21	20

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-12R-W-240926

Lab Sample ID: 410-189949-3

Date Collected: 09/26/24 07:35

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	200	cn	20	6.0	ug/L			10/10/24 16:21	20
Chloroethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Chloroform	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Chloromethane	ND	cn	40	11	ug/L			10/10/24 16:21	20
cis-1,2-Dichloroethene	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
cis-1,3-Dichloropropene	ND	cn	20	4.0	ug/L			10/10/24 16:21	20
Dibromochloromethane	ND	cn	20	4.0	ug/L			10/10/24 16:21	20
Dibromomethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Dichlorodifluoromethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Ethyl ether	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
Ethylbenzene	ND	cn	20	8.0	ug/L			10/10/24 16:21	20
Isopropylbenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
m&p-Xylene	ND	cn	100	40	ug/L			10/10/24 16:21	20
Methyl iodide	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Methyl tertiary butyl ether	ND	cn	20	4.0	ug/L			10/10/24 16:21	20
Methylene Chloride	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Naphthalene	ND	cn	100	20	ug/L			10/10/24 16:21	20
n-Butylbenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
N-Propylbenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
o-Xylene	ND	cn	20	8.0	ug/L			10/10/24 16:21	20
p-Isopropyltoluene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
sec-Butylbenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
Styrene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
tert-Butylbenzene	ND	cn	100	6.0	ug/L			10/10/24 16:21	20
Tetrachloroethene	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Tetrahydrofuran	ND	cn	200	32	ug/L			10/10/24 16:21	20
Toluene	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
trans-1,2-Dichloroethene	ND	cn	40	14	ug/L			10/10/24 16:21	20
trans-1,3-Dichloropropene	ND	cn	20	4.0	ug/L			10/10/24 16:21	20
trans-1,4-Dichloro-2-butene	ND	cn	1000	120	ug/L			10/10/24 16:21	20
Trichloroethene	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Trichlorofluoromethane	ND	cn	20	6.0	ug/L			10/10/24 16:21	20
Vinyl chloride	ND	cn	20	6.0	ug/L			10/10/24 16:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	cn	80 - 120		10/10/24 16:21	20
4-Bromofluorobenzene (Surr)	96	cn	80 - 120		10/10/24 16:21	20
Dibromofluoromethane (Surr)	110	cn	80 - 120		10/10/24 16:21	20
Toluene-d8 (Surr)	100	cn	80 - 120		10/10/24 16:21	20

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND	cn	3.2	1.4	ug/L		10/01/24 07:18	10/02/24 11:34	20
Silvex (2,4,5-TP) (1C)	ND	cn	1.1	0.47	ug/L		10/01/24 07:18	10/02/24 11:34	20
2,4-D (1C)	ND	cn	13	5.3	ug/L		10/01/24 07:18	10/02/24 11:34	20
2,4-DB (1C)	ND	cn	32	13	ug/L		10/01/24 07:18	10/02/24 11:34	20
Dichlorprop (1C)	ND	cn	11	3.4	ug/L		10/01/24 07:18	10/02/24 11:34	20
Dalapon (1C)	ND	*1 cn	260	120	ug/L		10/01/24 07:18	10/02/24 11:34	20
Dicamba (1C)	ND	cn	12	5.8	ug/L		10/01/24 07:18	10/02/24 11:34	20
MCPP (2C)	ND	cn	4300	1100	ug/L		10/01/24 07:18	10/02/24 11:34	20

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-12R-W-240926

Lab Sample ID: 410-189949-3

Date Collected: 09/26/24 07:35

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA (1C)	ND	cn	4300	1100	ug/L		10/01/24 07:18	10/02/24 11:34	20
Pentachlorophenol (1C)	ND	cn	1.5	0.58	ug/L		10/01/24 07:18	10/02/24 11:34	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	4885	S1+ cn	34 - 142				10/01/24 07:18	10/02/24 11:34	20
2,4-Dichlorophenylacetic acid (Surr) (2C)	92	p cn	34 - 142				10/01/24 07:18	10/02/24 11:34	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb (2C)	1100	cn	130	60	ug/L		10/01/24 07:18	10/03/24 15:31	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	4595	S1+ cn	34 - 142				10/01/24 07:18	10/03/24 15:31	200
2,4-Dichlorophenylacetic acid (Surr) (2C)	0	S1- cn	34 - 142				10/01/24 07:18	10/03/24 15:31	200

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	620		150	50	mg/L			10/01/24 09:27	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010		0.0020	0.00068	mg/L		10/04/24 06:55	10/11/24 04:47	1
Iron	0.053		0.050	0.020	mg/L		10/04/24 06:55	10/11/24 04:47	1
Manganese	1.4	B	0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 04:47	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		10/04/24 10:42	10/10/24 11:58	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			10/04/24 01:44	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/04/24 01:44	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	710		8.0	2.6	mg/L			10/04/24 01:44	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	710		8.0	2.6	mg/L			10/04/24 01:44	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/04/24 01:44	1
Nitrate as N (EPA 353.2)	380		0.10	0.040	mg/L			09/30/24 09:07	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/28/24 09:07	1
Total Phosphorus as P (EPA 365.1)	0.13		0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:54	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND	cn	20	20	mg/L			09/27/24 18:50	1
Ammonia as N (EPA 350.1)	250		10	5.0	mg/L			09/30/24 13:53	100

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-3-W-240926

Lab Sample ID: 410-189949-4

Date Collected: 09/26/24 08:00

Matrix: Water

Date Received: 09/27/24 09:45

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			10/10/24 15:59	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:59	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/10/24 15:59	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/10/24 15:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/10/24 15:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/10/24 15:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/10/24 15:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/10/24 15:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
1,2-Dichloropropane	1.1		1.0	0.30	ug/L			10/10/24 15:59	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/10/24 15:59	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
2-Butanone	ND		10	0.50	ug/L			10/10/24 15:59	1
2-Hexanone	ND		10	0.85	ug/L			10/10/24 15:59	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/10/24 15:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/10/24 15:59	1
Acetone	ND	cn	20	0.70	ug/L			10/10/24 15:59	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/10/24 15:59	1
Benzene	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Bromobenzene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/10/24 15:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/10/24 15:59	1
Bromoform	ND		4.0	1.0	ug/L			10/10/24 15:59	1
Bromomethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/10/24 15:59	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Chlorobenzene	6.9		1.0	0.30	ug/L			10/10/24 15:59	1
Chloroethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Chloroform	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Chloromethane	ND		2.0	0.55	ug/L			10/10/24 15:59	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:59	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/10/24 15:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/10/24 15:59	1
Dibromomethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Ethyl ether	ND		5.0	0.30	ug/L			10/10/24 15:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/10/24 15:59	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/10/24 15:59	1
Methyl iodide	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/10/24 15:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Naphthalene	ND		5.0	1.0	ug/L			10/10/24 15:59	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-3-W-240926

Lab Sample ID: 410-189949-4

Date Collected: 09/26/24 08:00

Matrix: Water

Date Received: 09/27/24 09:45

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			10/10/24 15:59	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
o-Xylene	ND		1.0	0.40	ug/L			10/10/24 15:59	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
Styrene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:59	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/10/24 15:59	1
Toluene	ND		1.0	0.30	ug/L			10/10/24 15:59	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/10/24 15:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/10/24 15:59	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/10/24 15:59	1
Trichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/10/24 15:59	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/10/24 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		10/10/24 15:59	1
4-Bromofluorobenzene (Surr)	96		80 - 120		10/10/24 15:59	1
Dibromofluoromethane (Surr)	109		80 - 120		10/10/24 15:59	1
Toluene-d8 (Surr)	98		80 - 120		10/10/24 15:59	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		10/01/24 07:18	10/02/24 12:02	1
Silvex (2,4,5-TP) (1C)	ND		0.054	0.024	ug/L		10/01/24 07:18	10/02/24 12:02	1
2,4-D (1C)	ND		0.65	0.27	ug/L		10/01/24 07:18	10/02/24 12:02	1
2,4-DB (1C)	ND		1.6	0.68	ug/L		10/01/24 07:18	10/02/24 12:02	1
Dichloroprop (1C)	ND		0.54	0.17	ug/L		10/01/24 07:18	10/02/24 12:02	1
Dalapon (1C)	ND	*1	13	6.1	ug/L		10/01/24 07:18	10/02/24 12:02	1
Dicamba (1C)	ND		0.59	0.29	ug/L		10/01/24 07:18	10/02/24 12:02	1
MCPD (2C)	ND		220	54	ug/L		10/01/24 07:18	10/02/24 12:02	1
MCPA (1C)	ND		220	54	ug/L		10/01/24 07:18	10/02/24 12:02	1
Pentachlorophenol (1C)	ND		0.075	0.029	ug/L		10/01/24 07:18	10/02/24 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	84		34 - 142	10/01/24 07:18	10/02/24 12:02	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	76		34 - 142	10/01/24 07:18	10/02/24 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb (2C)	13		3.2	1.5	ug/L		10/01/24 07:18	10/03/24 15:59	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	98		34 - 142	10/01/24 07:18	10/03/24 15:59	5
2,4-Dichlorophenylacetic acid (Surr) (2C)	65		34 - 142	10/01/24 07:18	10/03/24 15:59	5

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-3-W-240926

Lab Sample ID: 410-189949-4

Date Collected: 09/26/24 08:00

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	120		30	10	mg/L			10/01/24 07:50	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0096		0.0020	0.00068	mg/L		10/04/24 06:55	10/11/24 04:44	1
Iron	0.023	J	0.050	0.020	mg/L		10/04/24 06:55	10/11/24 04:44	1
Manganese	1.1	B	0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 04:44	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		10/05/24 03:13	10/11/24 13:43	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			10/02/24 14:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 14:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	230		8.0	2.6	mg/L			10/02/24 14:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	230		8.0	2.6	mg/L			10/02/24 14:19	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 14:19	1
Nitrate as N (EPA 353.2)	240		0.10	0.040	mg/L			09/30/24 09:07	1
Nitrite as N (EPA 353.2)	0.033	J	0.050	0.015	mg/L			09/28/24 09:06	1
Total Phosphorus as P (EPA 365.1)	2.6		0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:55	1
Biochemical Oxygen Demand (SM 5210 B-2016)	14		2.0	2.0	mg/L			09/27/24 18:50	1
Ammonia as N (EPA 350.1)	190		5.0	2.5	mg/L			09/30/24 13:35	50

Client Sample ID: MW-22-W-240926

Lab Sample ID: 410-189949-5

Date Collected: 09/26/24 09:15

Matrix: Water

Date Received: 09/27/24 09:45

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			10/10/24 15:37	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:37	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/10/24 15:37	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/10/24 15:37	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/10/24 15:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/10/24 15:37	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/10/24 15:37	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/10/24 15:37	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-22-W-240926

Lab Sample ID: 410-189949-5

Date Collected: 09/26/24 09:15

Matrix: Water

Date Received: 09/27/24 09:45

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			10/10/24 15:37	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
2-Butanone	ND		10	0.50	ug/L			10/10/24 15:37	1
2-Hexanone	ND		10	0.85	ug/L			10/10/24 15:37	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/10/24 15:37	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/10/24 15:37	1
Acetone	ND	cn	20	0.70	ug/L			10/10/24 15:37	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/10/24 15:37	1
Benzene	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Bromobenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/10/24 15:37	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/10/24 15:37	1
Bromoform	ND		4.0	1.0	ug/L			10/10/24 15:37	1
Bromomethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/10/24 15:37	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Chloroethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Chloroform	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Chloromethane	ND		2.0	0.55	ug/L			10/10/24 15:37	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:37	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/10/24 15:37	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/10/24 15:37	1
Dibromomethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Ethyl ether	ND		5.0	0.30	ug/L			10/10/24 15:37	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/10/24 15:37	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/10/24 15:37	1
Methyl iodide	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/10/24 15:37	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Naphthalene	ND		5.0	1.0	ug/L			10/10/24 15:37	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
o-Xylene	ND		1.0	0.40	ug/L			10/10/24 15:37	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
Styrene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:37	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/10/24 15:37	1
Toluene	ND		1.0	0.30	ug/L			10/10/24 15:37	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/10/24 15:37	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/10/24 15:37	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/10/24 15:37	1
Trichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/10/24 15:37	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/10/24 15:37	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-22-W-240926

Lab Sample ID: 410-189949-5

Date Collected: 09/26/24 09:15

Matrix: Water

Date Received: 09/27/24 09:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		10/10/24 15:37	1
4-Bromofluorobenzene (Surr)	96		80 - 120		10/10/24 15:37	1
Dibromofluoromethane (Surr)	112		80 - 120		10/10/24 15:37	1
Toluene-d8 (Surr)	98		80 - 120		10/10/24 15:37	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		10/01/24 07:18	10/02/24 12:30	1
Silvex (2,4,5-TP) (1C)	ND		0.057	0.025	ug/L		10/01/24 07:18	10/02/24 12:30	1
2,4-D (1C)	ND		0.68	0.28	ug/L		10/01/24 07:18	10/02/24 12:30	1
2,4-DB (1C)	ND		1.7	0.71	ug/L		10/01/24 07:18	10/02/24 12:30	1
Dichloroprop (1C)	ND		0.57	0.18	ug/L		10/01/24 07:18	10/02/24 12:30	1
Dalapon (1C)	ND	*1	14	6.4	ug/L		10/01/24 07:18	10/02/24 12:30	1
Dicamba (1C)	ND		0.62	0.31	ug/L		10/01/24 07:18	10/02/24 12:30	1
Dinoseb (2C)	ND	cn	0.68	0.32	ug/L		10/01/24 07:18	10/02/24 12:30	1
MCPP (2C)	ND		230	57	ug/L		10/01/24 07:18	10/02/24 12:30	1
MCPA (1C)	ND		230	57	ug/L		10/01/24 07:18	10/02/24 12:30	1
Pentachlorophenol (1C)	ND		0.079	0.031	ug/L		10/01/24 07:18	10/02/24 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	78		34 - 142	10/01/24 07:18	10/02/24 12:30	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	73		34 - 142	10/01/24 07:18	10/02/24 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	230		30	10	mg/L			10/01/24 08:02	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0047		0.0020	0.00068	mg/L		10/04/24 06:55	10/11/24 05:03	1
Iron	0.15		0.050	0.020	mg/L		10/04/24 06:55	10/11/24 05:03	1
Manganese	2.2	B ^2	0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.10		0.052	0.021	mg/L		10/05/24 03:13	10/11/24 13:45	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			10/02/24 07:38	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	87		8.0	2.6	mg/L			10/02/24 07:38	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	340		8.0	2.6	mg/L			10/02/24 07:38	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	430		8.0	2.6	mg/L			10/02/24 07:38	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	44		8.0	2.6	mg/L			10/02/24 07:38	1
Nitrate as N (EPA 353.2)	0.16		0.10	0.040	mg/L			09/30/24 09:07	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/28/24 09:07	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-22-W-240926

Lab Sample ID: 410-189949-5

Date Collected: 09/26/24 09:15

Matrix: Water

Date Received: 09/27/24 09:45

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/27/24 18:50	1
Ammonia as N (EPA 350.1)	0.38		0.10	0.050	mg/L			09/30/24 14:18	1

Client Sample ID: MW-8-W-240926

Lab Sample ID: 410-189949-6

Date Collected: 09/26/24 09:45

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	76		30	10	mg/L			10/01/24 08:14	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		10/04/24 06:55	10/11/24 05:05	1
Iron	ND		0.050	0.020	mg/L		10/04/24 06:55	10/11/24 05:05	1
Manganese	0.19	B ^2	0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 05:05	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		10/05/24 03:13	10/11/24 13:47	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			10/02/24 07:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 07:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	280		8.0	2.6	mg/L			10/02/24 07:46	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	280		8.0	2.6	mg/L			10/02/24 07:46	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 07:46	1
Nitrate as N (EPA 353.2)	16		0.10	0.040	mg/L			09/30/24 09:07	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/28/24 09:08	1
Total Phosphorus as P (EPA 365.1)	0.089	J	0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:55	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/27/24 18:50	1
Ammonia as N (EPA 350.1)	0.59		0.10	0.050	mg/L			09/30/24 14:25	1

Client Sample ID: EB-1-W-240926

Lab Sample ID: 410-189949-7

Date Collected: 09/26/24 10:00

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			10/01/24 07:47	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		10/04/24 06:55	10/11/24 04:49	1
Iron	ND		0.050	0.020	mg/L		10/04/24 06:55	10/11/24 04:49	1
Manganese	ND		0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 04:49	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: EB-1-W-240926

Lab Sample ID: 410-189949-7

Date Collected: 09/26/24 10:00

Matrix: Water

Date Received: 09/27/24 09:45

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		10/05/24 03:13	10/11/24 13:49	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			10/01/24 22:46	1
Carbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/01/24 22:46	1
Bicarbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/01/24 22:46	1
Total Alkalinity as CaCO ₃ to pH 4.5 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/01/24 22:46	1
Phenolphthalein Alkalinity as CaCO ₃ to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/01/24 22:46	1
Nitrate as N (EPA 353.2)	ND		0.10	0.040	mg/L			09/30/24 09:07	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			09/28/24 09:08	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:56	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/27/24 18:50	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			09/30/24 14:27	1

Client Sample ID: MW-5R-W-240926

Lab Sample ID: 410-189949-8

Date Collected: 09/26/24 10:50

Matrix: Water

Date Received: 09/27/24 09:45

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	20	6.0	ug/L			10/10/24 20:20	20
1,1,1-Trichloroethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
1,1,2,2-Tetrachloroethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
1,1,2-Trichloroethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
1,1-Dichloroethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
1,1-Dichloroethene	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
1,2,3-Trichlorobenzene	ND	cn	100	8.0	ug/L			10/10/24 20:20	20
1,2,3-Trichloropropane	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
1,2,4-Trichlorobenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
1,2,4-Trimethylbenzene	ND	cn	100	20	ug/L			10/10/24 20:20	20
1,2-Dibromo-3-Chloropropane	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
1,2-Dibromoethane	ND	cn	20	4.0	ug/L			10/10/24 20:20	20
1,2-Dichlorobenzene	ND	cn	100	4.0	ug/L			10/10/24 20:20	20
1,2-Dichloroethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
1,2-Dichloropropane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
1,3,5-Trimethylbenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
1,3-Dichlorobenzene	ND	cn	100	14	ug/L			10/10/24 20:20	20
1,4-Dichlorobenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
2-Butanone	ND	cn	200	10	ug/L			10/10/24 20:20	20
2-Hexanone	ND	cn	200	17	ug/L			10/10/24 20:20	20
2-Methylnaphthalene	ND	cn	100	40	ug/L			10/10/24 20:20	20
4-Methyl-2-pentanone	ND	cn	200	10	ug/L			10/10/24 20:20	20
Acetone	ND	cn	400	14	ug/L			10/10/24 20:20	20
Acrylonitrile	ND	cn	400	32	ug/L			10/10/24 20:20	20
Benzene	ND	cn	20	6.0	ug/L			10/10/24 20:20	20

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-5R-W-240926

Lab Sample ID: 410-189949-8

Date Collected: 09/26/24 10:50

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
Bromochloromethane	ND	cn	100	4.0	ug/L			10/10/24 20:20	20
Bromodichloromethane	ND	cn	20	4.0	ug/L			10/10/24 20:20	20
Bromoform	ND	cn	80	20	ug/L			10/10/24 20:20	20
Bromomethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Carbon disulfide	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
Carbon tetrachloride	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Chlorobenzene	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Chloroethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Chloroform	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Chloromethane	ND	cn	40	11	ug/L			10/10/24 20:20	20
cis-1,2-Dichloroethene	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
cis-1,3-Dichloropropene	ND	cn	20	4.0	ug/L			10/10/24 20:20	20
Dibromochloromethane	ND	cn	20	4.0	ug/L			10/10/24 20:20	20
Dibromomethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Dichlorodifluoromethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Ethyl ether	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
Ethylbenzene	ND	cn	20	8.0	ug/L			10/10/24 20:20	20
Isopropylbenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
m&p-Xylene	ND	cn	100	40	ug/L			10/10/24 20:20	20
Methyl iodide	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Methyl tertiary butyl ether	ND	cn	20	4.0	ug/L			10/10/24 20:20	20
Methylene Chloride	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Naphthalene	ND	cn	100	20	ug/L			10/10/24 20:20	20
n-Butylbenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
N-Propylbenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
o-Xylene	ND	cn	20	8.0	ug/L			10/10/24 20:20	20
p-Isopropyltoluene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
sec-Butylbenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
Styrene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
tert-Butylbenzene	ND	cn	100	6.0	ug/L			10/10/24 20:20	20
Tetrachloroethene	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Tetrahydrofuran	ND	cn	200	32	ug/L			10/10/24 20:20	20
Toluene	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
trans-1,2-Dichloroethene	ND	cn	40	14	ug/L			10/10/24 20:20	20
trans-1,3-Dichloropropene	ND	cn	20	4.0	ug/L			10/10/24 20:20	20
trans-1,4-Dichloro-2-butene	ND	cn	1000	120	ug/L			10/10/24 20:20	20
Trichloroethene	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Trichlorofluoromethane	ND	cn	20	6.0	ug/L			10/10/24 20:20	20
Vinyl chloride	ND	cn	20	6.0	ug/L			10/10/24 20:20	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	cn	80 - 120		10/10/24 20:20	20
4-Bromofluorobenzene (Surr)	95	cn	80 - 120		10/10/24 20:20	20
Dibromofluoromethane (Surr)	110	cn	80 - 120		10/10/24 20:20	20
Toluene-d8 (Surr)	97	cn	80 - 120		10/10/24 20:20	20

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.17	0.074	ug/L		10/01/24 07:18	10/02/24 12:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-5R-W-240926

Lab Sample ID: 410-189949-8

Date Collected: 09/26/24 10:50

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP) (1C)	ND		0.057	0.025	ug/L		10/01/24 07:18	10/02/24 12:58	1
2,4-D (1C)	ND		0.68	0.28	ug/L		10/01/24 07:18	10/02/24 12:58	1
2,4-DB (1C)	ND		1.7	0.71	ug/L		10/01/24 07:18	10/02/24 12:58	1
Dichlorprop (1C)	ND		0.57	0.18	ug/L		10/01/24 07:18	10/02/24 12:58	1
Dalapon (1C)	ND	*1	14	6.5	ug/L		10/01/24 07:18	10/02/24 12:58	1
Dicamba (1C)	ND		0.62	0.31	ug/L		10/01/24 07:18	10/02/24 12:58	1
Dinoseb (2C)	ND	cn	0.68	0.32	ug/L		10/01/24 07:18	10/02/24 12:58	1
MCP P (2C)	ND		230	57	ug/L		10/01/24 07:18	10/02/24 12:58	1
MCPA (1C)	ND		230	57	ug/L		10/01/24 07:18	10/02/24 12:58	1
Pentachlorophenol (1C)	ND		0.079	0.031	ug/L		10/01/24 07:18	10/02/24 12:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	86		34 - 142	10/01/24 07:18	10/02/24 12:58	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	80		34 - 142	10/01/24 07:18	10/02/24 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	86		30	10	mg/L			10/01/24 09:39	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.19		0.0020	0.00068	mg/L		10/04/24 21:00	10/13/24 10:39	1
Iron	2.5		0.050	0.020	mg/L		10/04/24 21:00	10/13/24 10:39	1
Manganese	0.53		0.0020	0.00095	mg/L		10/04/24 21:00	10/13/24 10:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2.4		0.052	0.021	mg/L		10/05/24 03:13	10/11/24 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		40	13	mg/L			10/01/24 23:07	5
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		40	13	mg/L			10/01/24 23:07	5
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	2300		40	13	mg/L			10/01/24 23:07	5
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	2300		40	13	mg/L			10/01/24 23:07	5
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		40	13	mg/L			10/01/24 23:07	5
Nitrate as N (EPA 353.2)	ND		0.10	0.040	mg/L			09/30/24 09:07	1
Nitrite as N (EPA 353.2)	0.025	J	0.050	0.015	mg/L			09/28/24 09:09	1
Total Phosphorus as P (EPA 365.1)	1.2	cn	0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:56	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND	cn	20	20	mg/L			09/27/24 18:50	1
Ammonia as N (EPA 350.1)	35	cn	2.0	1.0	mg/L			09/30/24 14:14	20

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-4R-W-240926

Lab Sample ID: 410-189949-9

Date Collected: 09/26/24 11:25

Matrix: Water

Date Received: 09/27/24 09:45

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			10/10/24 15:15	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:15	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/10/24 15:15	1
1,2,3-Trichloropropane	3.3	J	5.0	0.30	ug/L			10/10/24 15:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/10/24 15:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/10/24 15:15	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/10/24 15:15	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/10/24 15:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
1,2-Dichloropropane	6.7		1.0	0.30	ug/L			10/10/24 15:15	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/10/24 15:15	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
2-Butanone	ND		10	0.50	ug/L			10/10/24 15:15	1
2-Hexanone	ND		10	0.85	ug/L			10/10/24 15:15	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/10/24 15:15	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/10/24 15:15	1
Acetone	ND	cn	20	0.70	ug/L			10/10/24 15:15	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/10/24 15:15	1
Benzene	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Bromobenzene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/10/24 15:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/10/24 15:15	1
Bromoform	ND		4.0	1.0	ug/L			10/10/24 15:15	1
Bromomethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/10/24 15:15	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Chloroethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Chloroform	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Chloromethane	ND		2.0	0.55	ug/L			10/10/24 15:15	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/10/24 15:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/10/24 15:15	1
Dibromomethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Ethyl ether	ND		5.0	0.30	ug/L			10/10/24 15:15	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/10/24 15:15	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/10/24 15:15	1
Methyl iodide	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/10/24 15:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Naphthalene	ND		5.0	1.0	ug/L			10/10/24 15:15	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-4R-W-240926

Lab Sample ID: 410-189949-9

Date Collected: 09/26/24 11:25

Matrix: Water

Date Received: 09/27/24 09:45

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			10/10/24 15:15	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
o-Xylene	ND		1.0	0.40	ug/L			10/10/24 15:15	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
Styrene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 15:15	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/10/24 15:15	1
Toluene	ND		1.0	0.30	ug/L			10/10/24 15:15	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/10/24 15:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/10/24 15:15	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/10/24 15:15	1
Trichloroethene	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/10/24 15:15	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/10/24 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		10/10/24 15:15	1
4-Bromofluorobenzene (Surr)	95		80 - 120		10/10/24 15:15	1
Dibromofluoromethane (Surr)	109		80 - 120		10/10/24 15:15	1
Toluene-d8 (Surr)	99		80 - 120		10/10/24 15:15	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		10/01/24 07:18	10/02/24 13:27	1
Silvex (2,4,5-TP) (1C)	ND		0.056	0.025	ug/L		10/01/24 07:18	10/02/24 13:27	1
2,4-D (1C)	ND		0.67	0.28	ug/L		10/01/24 07:18	10/02/24 13:27	1
2,4-DB (1C)	ND		1.7	0.70	ug/L		10/01/24 07:18	10/02/24 13:27	1
Dichloroprop (1C)	ND		0.56	0.18	ug/L		10/01/24 07:18	10/02/24 13:27	1
Dalapon (1C)	ND	*1	14	6.4	ug/L		10/01/24 07:18	10/02/24 13:27	1
Dicamba (1C)	0.55	J	0.61	0.30	ug/L		10/01/24 07:18	10/02/24 13:27	1
MCPP (2C)	ND		220	56	ug/L		10/01/24 07:18	10/02/24 13:27	1
MCPA (1C)	ND		220	56	ug/L		10/01/24 07:18	10/02/24 13:27	1
Pentachlorophenol (2C)	0.19		0.078	0.030	ug/L		10/01/24 07:18	10/02/24 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	75		34 - 142	10/01/24 07:18	10/02/24 13:27	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	63		34 - 142	10/01/24 07:18	10/02/24 13:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb (2C)	34		6.7	3.1	ug/L		10/01/24 07:18	10/03/24 16:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	95		34 - 142	10/01/24 07:18	10/03/24 16:27	10
2,4-Dichlorophenylacetic acid (Surr) (2C)	51		34 - 142	10/01/24 07:18	10/03/24 16:27	10

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: MW-4R-W-240926

Lab Sample ID: 410-189949-9

Date Collected: 09/26/24 11:25

Matrix: Water

Date Received: 09/27/24 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	180		30	10	mg/L			10/01/24 06:40	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013		0.0020	0.00068	mg/L		10/04/24 06:55	10/11/24 05:12	1
Iron	0.073		0.050	0.020	mg/L		10/04/24 06:55	10/11/24 05:12	1
Manganese	0.35	B ^2	0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 05:12	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		10/05/24 03:13	10/11/24 13:55	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			10/02/24 11:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 11:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	350		8.0	2.6	mg/L			10/02/24 11:32	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	350		8.0	2.6	mg/L			10/02/24 11:32	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			10/02/24 11:32	1
Nitrate as N (EPA 353.2)	180		0.10	0.040	mg/L			09/30/24 09:07	1
Nitrite as N (EPA 353.2)	0.073		0.050	0.015	mg/L			09/28/24 09:10	1
Total Phosphorus as P (EPA 365.1)	0.28		0.10	0.050	mg/L		10/02/24 02:00	10/02/24 15:01	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			09/27/24 19:40	1
Ammonia as N (EPA 350.1)	250		20	10	mg/L			09/30/24 14:16	200

Client Sample ID: TB-1-W-240926

Lab Sample ID: 410-189949-10

Date Collected: 09/26/24 00:00

Matrix: Water

Date Received: 09/27/24 09:45

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			10/11/24 14:13	1
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
1,2,3-Trichlorobenzene	ND	cn	5.0	0.40	ug/L			10/11/24 14:13	1
1,2,3-Trichloropropane	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
1,2,4-Trichlorobenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
1,2,4-Trimethylbenzene	ND	cn	5.0	1.0	ug/L			10/11/24 14:13	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
1,2-Dibromoethane	ND	cn	1.0	0.20	ug/L			10/11/24 14:13	1
1,2-Dichlorobenzene	ND	cn	5.0	0.20	ug/L			10/11/24 14:13	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
1,3,5-Trimethylbenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: TB-1-W-240926

Lab Sample ID: 410-189949-10

Date Collected: 09/26/24 00:00

Matrix: Water

Date Received: 09/27/24 09:45

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	cn	5.0	0.68	ug/L			10/11/24 14:13	1
1,4-Dichlorobenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
2-Butanone	ND	cn	10	0.50	ug/L			10/11/24 14:13	1
2-Hexanone	ND	cn	10	0.85	ug/L			10/11/24 14:13	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			10/11/24 14:13	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			10/11/24 14:13	1
Acetone	1.0	J cn	20	0.70	ug/L			10/11/24 14:13	1
Acrylonitrile	ND	cn	20	1.6	ug/L			10/11/24 14:13	1
Benzene	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Bromobenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
Bromochloromethane	ND	cn	5.0	0.20	ug/L			10/11/24 14:13	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			10/11/24 14:13	1
Bromoform	ND	cn	4.0	1.0	ug/L			10/11/24 14:13	1
Bromomethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Chloroethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Chloroform	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Chloromethane	ND	cn	2.0	0.55	ug/L			10/11/24 14:13	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			10/11/24 14:13	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			10/11/24 14:13	1
Dibromomethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Dichlorodifluoromethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			10/11/24 14:13	1
Isopropylbenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			10/11/24 14:13	1
Methyl iodide	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Methyl tertiary butyl ether	ND	cn	1.0	0.20	ug/L			10/11/24 14:13	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Naphthalene	ND	cn	5.0	1.0	ug/L			10/11/24 14:13	1
n-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
N-Propylbenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
o-Xylene	ND	cn	1.0	0.40	ug/L			10/11/24 14:13	1
p-Isopropyltoluene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
sec-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
Styrene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
tert-Butylbenzene	ND	cn	5.0	0.30	ug/L			10/11/24 14:13	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Tetrahydrofuran	ND	cn	10	1.6	ug/L			10/11/24 14:13	1
Toluene	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
trans-1,2-Dichloroethene	ND	cn	2.0	0.70	ug/L			10/11/24 14:13	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			10/11/24 14:13	1
trans-1,4-Dichloro-2-butene	ND	cn	50	6.0	ug/L			10/11/24 14:13	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Trichlorofluoromethane	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1
Vinyl chloride	ND	cn	1.0	0.30	ug/L			10/11/24 14:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-189949-1

Client Sample ID: TB-1-W-240926

Lab Sample ID: 410-189949-10

Date Collected: 09/26/24 00:00

Matrix: Water

Date Received: 09/27/24 09:45

<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)	102	cn	80 - 120		10/11/24 14:13	1
4-Bromofluorobenzene (Surr)	95	cn	80 - 120		10/11/24 14:13	1
Dibromofluoromethane (Surr)	106	cn	80 - 120		10/11/24 14:13	1
Toluene-d8 (Surr)	99	cn	80 - 120		10/11/24 14:13	1

Surrogate Summary

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

Job ID: 410-189949-1

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)
410-189949-2	MW-9-W-240925	99	91	105	96
410-189949-3	MW-12R-W-240926	103 cn	96 cn	110 cn	100 cn
410-189949-4	MW-3-W-240926	100	96	109	98
410-189949-5	MW-22-W-240926	104	96	112	98
410-189949-8	MW-5R-W-240926	105 cn	95 cn	110 cn	97 cn
410-189949-9	MW-4R-W-240926	104	95	109	99
410-189949-10	TB-1-W-240926	102 cn	95 cn	106 cn	99 cn
LCS 410-560047/4	Lab Control Sample	98	98	99	102
LCS 410-561581/5	Lab Control Sample	100	97	105	99
LCS 410-561581/7	Lab Control Sample	102	97	106	98
LCS 410-562088/5	Lab Control Sample	103	98	103	101
LCS 410-562088/7	Lab Control Sample	101	97	104	102
LCSD 410-560047/5	Lab Control Sample Dup	97	97	99	102
LCSD 410-561581/6	Lab Control Sample Dup	103	97	106	100
LCSD 410-561581/8	Lab Control Sample Dup	101	96	104	98
LCSD 410-562088/6	Lab Control Sample Dup	103	98	107	103
LCSD 410-562088/8	Lab Control Sample Dup	99	97	103	102
MB 410-560047/7	Method Blank	98	92	102	99
MB 410-561581/10	Method Blank	102	99	107	98
MB 410-562088/10	Method Blank	102	96	106	100
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)
410-189949-2	MW-9-W-240925	110 cn	57 p cn
410-189949-2 - DL	MW-9-W-240925	127 cn	0 S1- cn
410-189949-3	MW-12R-W-240926	4885 S1+ cn	92 p cn
410-189949-3 - DL	MW-12R-W-240926	4595 S1+ cn	0 S1- cn
410-189949-4	MW-3-W-240926	84	76
410-189949-4 - DL	MW-3-W-240926	98	65
410-189949-5	MW-22-W-240926	78	73
410-189949-8	MW-5R-W-240926	86	80
410-189949-9	MW-4R-W-240926	75	63
410-189949-9 - DL	MW-4R-W-240926	95	51
LCS 410-557696/2-A	Lab Control Sample	90	94
LCSD 410-557696/3-A	Lab Control Sample Dup	91	100
MB 410-557696/1-A	Method Blank	82	72
Surrogate Legend			
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)			

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: MB 410-560047/7

Matrix: Water

Analysis Batch: 560047

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			10/07/24 11:27	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/07/24 11:27	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/07/24 11:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/07/24 11:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/07/24 11:27	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/07/24 11:27	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/07/24 11:27	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/07/24 11:27	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
2-Butanone	ND		10	0.50	ug/L			10/07/24 11:27	1
2-Hexanone	ND		10	0.85	ug/L			10/07/24 11:27	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/07/24 11:27	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/07/24 11:27	1
Acetone	ND		20	0.70	ug/L			10/07/24 11:27	1
Acrylonitrile	ND		20	1.6	ug/L			10/07/24 11:27	1
Benzene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Bromobenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/07/24 11:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/07/24 11:27	1
Bromoform	ND		4.0	1.0	ug/L			10/07/24 11:27	1
Bromomethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Chloroethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Chloroform	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Chloromethane	ND		2.0	0.55	ug/L			10/07/24 11:27	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 11:27	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/07/24 11:27	1
Dibromomethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Ethyl ether	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/07/24 11:27	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/07/24 11:27	1
Methyl iodide	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/07/24 11:27	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/07/24 11:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: MB 410-560047/7

Matrix: Water

Analysis Batch: 560047

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			10/07/24 11:27	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
o-Xylene	ND		1.0	0.40	ug/L			10/07/24 11:27	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Styrene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/07/24 11:27	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/07/24 11:27	1
Toluene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/07/24 11:27	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/07/24 11:27	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/07/24 11:27	1
Trichloroethene	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/07/24 11:27	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/07/24 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		10/07/24 11:27	1
4-Bromofluorobenzene (Surr)	92		80 - 120		10/07/24 11:27	1
Dibromofluoromethane (Surr)	102		80 - 120		10/07/24 11:27	1
Toluene-d8 (Surr)	99		80 - 120		10/07/24 11:27	1

Lab Sample ID: LCS 410-560047/4

Matrix: Water

Analysis Batch: 560047

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	21.1		ug/L		106	79 - 120
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	73 - 120
1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		101	72 - 120
1,1,2-Trichloroethane	20.0	21.7		ug/L		109	80 - 120
1,1-Dichloroethane	20.0	21.2		ug/L		106	80 - 120
1,1-Dichloroethene	20.0	20.7		ug/L		103	80 - 131
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	66 - 120
1,2,3-Trichloropropane	20.0	19.4		ug/L		97	75 - 124
1,2,4-Trichlorobenzene	20.0	20.2		ug/L		101	63 - 120
1,2,4-Trimethylbenzene	20.0	19.9		ug/L		99	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.6		ug/L		83	60 - 120
1,2-Dibromoethane	20.0	20.2		ug/L		101	77 - 120
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,2-Dichloroethane	20.0	20.1		ug/L		101	73 - 124
1,2-Dichloropropane	20.0	20.3		ug/L		102	80 - 120
1,3,5-Trimethylbenzene	20.0	20.2		ug/L		101	75 - 120
1,3-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 120
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
2-Butanone	250	169		ug/L		68	59 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCS 410-560047/4

Matrix: Water

Analysis Batch: 560047

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	184		ug/L		74	56 - 135
2-Methylnaphthalene	20.0	18.9		ug/L		94	34 - 120
4-Methyl-2-pentanone	250	185		ug/L		74	62 - 133
Acetone	250	256		ug/L		102	57 - 143
Acrylonitrile	100	79.9		ug/L		80	60 - 129
Benzene	20.0	20.5		ug/L		102	80 - 120
Bromobenzene	20.0	20.9		ug/L		104	80 - 120
Bromochloromethane	20.0	20.0		ug/L		100	80 - 120
Bromodichloromethane	20.0	21.4		ug/L		107	71 - 120
Bromoform	20.0	20.8		ug/L		104	51 - 120
Bromomethane	20.0	15.9		ug/L		80	53 - 128
Carbon disulfide	20.0	18.9		ug/L		94	65 - 128
Carbon tetrachloride	20.0	20.4		ug/L		102	64 - 134
Chlorobenzene	20.0	20.7		ug/L		104	80 - 120
Chloroethane	20.0	14.8		ug/L		74	55 - 123
Chloroform	20.0	19.1		ug/L		95	80 - 120
Chloromethane	20.0	20.2		ug/L		101	39 - 134
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 125
cis-1,3-Dichloropropene	20.0	19.3		ug/L		97	75 - 120
Dibromochloromethane	20.0	22.1		ug/L		111	71 - 120
Dibromomethane	20.0	20.7		ug/L		103	80 - 120
Dichlorodifluoromethane	20.0	20.6		ug/L		103	26 - 127
Ethyl ether	19.9	20.4		ug/L		102	13 - 161
Ethylbenzene	20.0	19.8		ug/L		99	80 - 120
Isopropylbenzene	20.0	21.6		ug/L		108	80 - 120
m&p-Xylene	40.0	39.3		ug/L		98	80 - 120
Methyl iodide	20.0	17.1		ug/L		85	63 - 125
Methyl tertiary butyl ether	20.0	17.0		ug/L		85	69 - 122
Methylene Chloride	20.0	20.1		ug/L		100	80 - 120
Naphthalene	20.0	18.9		ug/L		94	67 - 124
n-Butylbenzene	20.0	20.8		ug/L		104	76 - 120
N-Propylbenzene	20.0	21.1		ug/L		105	79 - 121
o-Xylene	20.0	18.9		ug/L		95	80 - 120
p-Isopropyltoluene	20.0	19.6		ug/L		98	76 - 120
sec-Butylbenzene	20.0	20.6		ug/L		103	77 - 120
Styrene	20.0	19.8		ug/L		99	80 - 120
tert-Butylbenzene	20.0	20.6		ug/L		103	78 - 120
Tetrachloroethene	20.0	20.2		ug/L		101	80 - 120
Tetrahydrofuran	100	113		ug/L		113	65 - 135
Toluene	20.0	21.0		ug/L		105	80 - 120
trans-1,2-Dichloroethene	20.0	21.4		ug/L		107	80 - 126
trans-1,3-Dichloropropene	20.0	20.3		ug/L		101	67 - 120
trans-1,4-Dichloro-2-butene	100	99.0		ug/L		99	33 - 143
Trichloroethene	20.0	20.6		ug/L		103	80 - 120
Trichlorofluoromethane	20.0	15.1		ug/L		76	51 - 120
Vinyl chloride	20.0	21.3		ug/L		106	56 - 120

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCS 410-560047/4

Matrix: Water

Analysis Batch: 560047

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 410-560047/5

Matrix: Water

Analysis Batch: 560047

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	21.1		ug/L		105	79 - 120	0	30
1,1,1-Trichloroethane	20.0	18.9		ug/L		94	73 - 120	5	30
1,1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		100	72 - 120	0	30
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	80 - 120	3	30
1,1-Dichloroethane	20.0	20.9		ug/L		104	80 - 120	2	30
1,1-Dichloroethene	20.0	19.3		ug/L		96	80 - 131	7	30
1,2,3-Trichlorobenzene	20.0	20.5		ug/L		103	66 - 120	3	30
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	75 - 124	4	30
1,2,4-Trichlorobenzene	20.0	19.6		ug/L		98	63 - 120	3	30
1,2,4-Trimethylbenzene	20.0	19.0		ug/L		95	75 - 120	5	30
1,2-Dibromo-3-Chloropropane	20.0	16.1		ug/L		81	60 - 120	3	30
1,2-Dibromoethane	20.0	19.7		ug/L		99	77 - 120	3	30
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120	2	30
1,2-Dichloroethane	20.0	19.3		ug/L		97	73 - 124	4	30
1,2-Dichloropropane	20.0	20.4		ug/L		102	80 - 120	0	30
1,3,5-Trimethylbenzene	20.0	19.9		ug/L		100	75 - 120	1	30
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120	4	30
1,4-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120	1	30
2-Butanone	250	172		ug/L		69	59 - 135	1	30
2-Hexanone	250	185		ug/L		74	56 - 135	0	30
2-Methylnaphthalene	20.0	17.4		ug/L		87	34 - 120	8	30
4-Methyl-2-pentanone	250	186		ug/L		75	62 - 133	1	30
Acetone	250	247		ug/L		99	57 - 143	4	30
Acrylonitrile	100	80.0		ug/L		80	60 - 129	0	30
Benzene	20.0	20.2		ug/L		101	80 - 120	1	30
Bromobenzene	20.0	20.2		ug/L		101	80 - 120	3	30
Bromochloromethane	20.0	19.8		ug/L		99	80 - 120	1	30
Bromodichloromethane	20.0	21.0		ug/L		105	71 - 120	2	30
Bromoform	20.0	20.7		ug/L		103	51 - 120	1	30
Bromomethane	20.0	16.9		ug/L		84	53 - 128	6	30
Carbon disulfide	20.0	18.1		ug/L		90	65 - 128	4	30
Carbon tetrachloride	20.0	19.8		ug/L		99	64 - 134	3	30
Chlorobenzene	20.0	20.3		ug/L		102	80 - 120	2	30
Chloroethane	20.0	15.2		ug/L		76	55 - 123	3	30
Chloroform	20.0	19.0		ug/L		95	80 - 120	0	30
Chloromethane	20.0	19.8		ug/L		99	39 - 134	2	30
cis-1,2-Dichloroethene	20.0	20.7		ug/L		103	80 - 125	0	30
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	75 - 120	5	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCSD 410-560047/5

Matrix: Water

Analysis Batch: 560047

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	21.4		ug/L		107	71 - 120	3	30
Dibromomethane	20.0	20.1		ug/L		101	80 - 120	3	30
Dichlorodifluoromethane	20.0	19.3		ug/L		96	26 - 127	7	30
Ethyl ether	19.9	17.7		ug/L		89	13 - 161	14	30
Ethylbenzene	20.0	19.7		ug/L		98	80 - 120	1	30
Isopropylbenzene	20.0	21.5		ug/L		108	80 - 120	1	30
m&p-Xylene	40.0	39.1		ug/L		98	80 - 120	1	30
Methyl iodide	20.0	15.9		ug/L		79	63 - 125	7	30
Methyl tertiary butyl ether	20.0	17.2		ug/L		86	69 - 122	1	30
Methylene Chloride	20.0	20.0		ug/L		100	80 - 120	0	30
Naphthalene	20.0	18.5		ug/L		92	67 - 124	2	30
n-Butylbenzene	20.0	19.9		ug/L		100	76 - 120	5	30
N-Propylbenzene	20.0	20.5		ug/L		102	79 - 121	3	30
o-Xylene	20.0	18.9		ug/L		95	80 - 120	0	30
p-Isopropyltoluene	20.0	19.1		ug/L		95	76 - 120	3	30
sec-Butylbenzene	20.0	20.1		ug/L		100	77 - 120	2	30
Styrene	20.0	19.6		ug/L		98	80 - 120	1	30
tert-Butylbenzene	20.0	19.6		ug/L		98	78 - 120	5	30
Tetrachloroethene	20.0	19.6		ug/L		98	80 - 120	3	30
Tetrahydrofuran	100	112		ug/L		112	65 - 135	0	30
Toluene	20.0	20.7		ug/L		103	80 - 120	2	30
trans-1,2-Dichloroethene	20.0	20.7		ug/L		104	80 - 126	3	30
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	67 - 120	0	30
trans-1,4-Dichloro-2-butene	100	95.5		ug/L		96	33 - 143	4	30
Trichloroethene	20.0	19.7		ug/L		99	80 - 120	4	30
Trichlorofluoromethane	20.0	15.1		ug/L		76	51 - 120	0	30
Vinyl chloride	20.0	20.7		ug/L		103	56 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 410-561581/10

Matrix: Water

Analysis Batch: 561581

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			10/10/24 13:05	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/10/24 13:05	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/10/24 13:05	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/10/24 13:05	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: MB 410-561581/10

Matrix: Water

Analysis Batch: 561581

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			10/10/24 13:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/10/24 13:05	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/10/24 13:05	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/10/24 13:05	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/10/24 13:05	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
2-Butanone	ND		10	0.50	ug/L			10/10/24 13:05	1
2-Hexanone	ND		10	0.85	ug/L			10/10/24 13:05	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/10/24 13:05	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/10/24 13:05	1
Acetone	ND		20	0.70	ug/L			10/10/24 13:05	1
Acrylonitrile	ND		20	1.6	ug/L			10/10/24 13:05	1
Benzene	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Bromobenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/10/24 13:05	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/10/24 13:05	1
Bromoform	ND		4.0	1.0	ug/L			10/10/24 13:05	1
Bromomethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/10/24 13:05	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Chloroethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Chloroform	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Chloromethane	ND		2.0	0.55	ug/L			10/10/24 13:05	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/10/24 13:05	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/10/24 13:05	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/10/24 13:05	1
Dibromomethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Ethyl ether	ND		5.0	0.30	ug/L			10/10/24 13:05	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/10/24 13:05	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/10/24 13:05	1
Methyl iodide	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/10/24 13:05	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Naphthalene	ND		5.0	1.0	ug/L			10/10/24 13:05	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
o-Xylene	ND		1.0	0.40	ug/L			10/10/24 13:05	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
Styrene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/10/24 13:05	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/10/24 13:05	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: MB 410-561581/10

Matrix: Water

Analysis Batch: 561581

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			10/10/24 13:05	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/10/24 13:05	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/10/24 13:05	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/10/24 13:05	1
Trichloroethene	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/10/24 13:05	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/10/24 13:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		10/10/24 13:05	1
4-Bromofluorobenzene (Surr)	99		80 - 120		10/10/24 13:05	1
Dibromofluoromethane (Surr)	107		80 - 120		10/10/24 13:05	1
Toluene-d8 (Surr)	98		80 - 120		10/10/24 13:05	1

Lab Sample ID: LCS 410-561581/5

Matrix: Water

Analysis Batch: 561581

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		97	79 - 120
1,1,1-Trichloroethane	20.0	20.8		ug/L		104	73 - 120
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	72 - 120
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	80 - 120
1,1-Dichloroethane	20.0	21.8		ug/L		109	80 - 120
1,1-Dichloroethene	20.0	21.8		ug/L		109	80 - 131
1,2,3-Trichlorobenzene	20.0	18.8		ug/L		94	66 - 120
1,2,3-Trichloropropane	20.0	19.6		ug/L		98	75 - 124
1,2,4-Trichlorobenzene	20.0	19.1		ug/L		96	63 - 120
1,2,4-Trimethylbenzene	20.0	18.8		ug/L		94	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		87	60 - 120
1,2-Dibromoethane	20.0	19.5		ug/L		98	77 - 120
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
1,2-Dichloroethane	20.0	20.9		ug/L		105	73 - 124
1,2-Dichloropropane	20.0	20.7		ug/L		104	80 - 120
1,3,5-Trimethylbenzene	20.0	18.9		ug/L		95	75 - 120
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
2-Butanone	250	246		ug/L		98	59 - 135
2-Hexanone	250	256		ug/L		102	56 - 135
2-Methylnaphthalene	20.0	19.1		ug/L		95	34 - 120
4-Methyl-2-pentanone	250	267		ug/L		107	62 - 133
Acetone	250	257		ug/L		103	57 - 143
Acrylonitrile	100	101		ug/L		101	60 - 129
Benzene	20.0	20.3		ug/L		101	80 - 120
Bromobenzene	20.0	19.1		ug/L		95	80 - 120
Bromochloromethane	20.0	20.4		ug/L		102	80 - 120
Bromodichloromethane	20.0	19.9		ug/L		99	71 - 120
Bromoform	20.0	18.6		ug/L		93	51 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCS 410-561581/5

Matrix: Water

Analysis Batch: 561581

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	18.8		ug/L		94	53 - 128
Carbon disulfide	20.0	19.1		ug/L		96	65 - 128
Carbon tetrachloride	20.0	21.0		ug/L		105	64 - 134
Chlorobenzene	20.0	19.9		ug/L		99	80 - 120
Chloroethane	20.0	19.5		ug/L		98	55 - 123
Chloroform	20.0	21.2		ug/L		106	80 - 120
Chloromethane	20.0	18.9		ug/L		94	39 - 134
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125
cis-1,3-Dichloropropene	20.0	17.6		ug/L		88	75 - 120
Dibromochloromethane	20.0	18.8		ug/L		94	71 - 120
Dibromomethane	20.0	20.3		ug/L		102	80 - 120
Dichlorodifluoromethane	20.0	18.4		ug/L		92	26 - 127
Ethylbenzene	20.0	19.6		ug/L		98	80 - 120
Isopropylbenzene	20.0	21.9		ug/L		110	80 - 120
m&p-Xylene	40.0	39.0		ug/L		97	80 - 120
Methyl iodide	20.0	18.6		ug/L		93	63 - 125
Methyl tertiary butyl ether	20.0	18.5		ug/L		92	69 - 122
Methylene Chloride	20.0	20.7		ug/L		104	80 - 120
Naphthalene	20.0	18.8		ug/L		94	67 - 124
n-Butylbenzene	20.0	19.5		ug/L		97	76 - 120
N-Propylbenzene	20.0	19.9		ug/L		99	79 - 121
o-Xylene	20.0	19.4		ug/L		97	80 - 120
p-Isopropyltoluene	20.0	18.6		ug/L		93	76 - 120
sec-Butylbenzene	20.0	19.2		ug/L		96	77 - 120
Styrene	20.0	19.2		ug/L		96	80 - 120
tert-Butylbenzene	20.0	18.6		ug/L		93	78 - 120
Tetrachloroethene	20.0	20.4		ug/L		102	80 - 120
Tetrahydrofuran	100	99.3		ug/L		99	65 - 135
Toluene	20.0	19.2		ug/L		96	80 - 120
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 126
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	67 - 120
trans-1,4-Dichloro-2-butene	100	72.7		ug/L		73	33 - 143
Trichloroethene	20.0	19.7		ug/L		98	80 - 120
Trichlorofluoromethane	20.0	17.7		ug/L		88	51 - 120
Vinyl chloride	20.0	18.9		ug/L		95	56 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	105		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCS 410-561581/7

Matrix: Water

Analysis Batch: 561581

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethyl ether	19.9	21.5		ug/L		108	13 - 161

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCS 410-561581/7

Matrix: Water

Analysis Batch: 561581

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)	97		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 410-561581/6

Matrix: Water

Analysis Batch: 561581

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	18.8		ug/L		94	79 - 120	4	30
1,1,1-Trichloroethane	20.0	19.9		ug/L		100	73 - 120	4	30
1,1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	72 - 120	2	30
1,1,2-Trichloroethane	20.0	18.5		ug/L		92	80 - 120	4	30
1,1-Dichloroethane	20.0	21.2		ug/L		106	80 - 120	3	30
1,1-Dichloroethene	20.0	21.0		ug/L		105	80 - 131	4	30
1,2,3-Trichlorobenzene	20.0	18.5		ug/L		93	66 - 120	1	30
1,2,3-Trichloropropane	20.0	19.1		ug/L		95	75 - 124	3	30
1,2,4-Trichlorobenzene	20.0	18.3		ug/L		91	63 - 120	5	30
1,2,4-Trimethylbenzene	20.0	18.4		ug/L		92	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	20.0	17.2		ug/L		86	60 - 120	2	30
1,2-Dibromoethane	20.0	18.3		ug/L		91	77 - 120	7	30
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	2	30
1,2-Dichloroethane	20.0	19.8		ug/L		99	73 - 124	5	30
1,2-Dichloropropane	20.0	18.9		ug/L		94	80 - 120	9	30
1,3,5-Trimethylbenzene	20.0	18.8		ug/L		94	75 - 120	1	30
1,3-Dichlorobenzene	20.0	18.9		ug/L		95	80 - 120	3	30
1,4-Dichlorobenzene	20.0	18.8		ug/L		94	80 - 120	3	30
2-Butanone	250	234		ug/L		94	59 - 135	5	30
2-Hexanone	250	248		ug/L		99	56 - 135	3	30
2-Methylnaphthalene	20.0	18.8		ug/L		94	34 - 120	1	30
4-Methyl-2-pentanone	250	253		ug/L		101	62 - 133	5	30
Acetone	250	257		ug/L		103	57 - 143	0	30
Acrylonitrile	100	98.6		ug/L		99	60 - 129	3	30
Benzene	20.0	19.4		ug/L		97	80 - 120	4	30
Bromobenzene	20.0	18.8		ug/L		94	80 - 120	2	30
Bromochloromethane	20.0	20.3		ug/L		102	80 - 120	0	30
Bromodichloromethane	20.0	18.8		ug/L		94	71 - 120	5	30
Bromoform	20.0	17.7		ug/L		88	51 - 120	5	30
Bromomethane	20.0	16.7		ug/L		83	53 - 128	12	30
Carbon disulfide	20.0	18.3		ug/L		92	65 - 128	4	30
Carbon tetrachloride	20.0	20.0		ug/L		100	64 - 134	5	30
Chlorobenzene	20.0	18.6		ug/L		93	80 - 120	7	30
Chloroethane	20.0	19.3		ug/L		97	55 - 123	1	30
Chloroform	20.0	20.6		ug/L		103	80 - 120	3	30
Chloromethane	20.0	16.8		ug/L		84	39 - 134	12	30
cis-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 125	4	30
cis-1,3-Dichloropropene	20.0	16.4		ug/L		82	75 - 120	7	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCSD 410-561581/6

Matrix: Water

Analysis Batch: 561581

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	18.1		ug/L		90	71 - 120	4	30
Dibromomethane	20.0	19.2		ug/L		96	80 - 120	6	30
Dichlorodifluoromethane	20.0	16.3		ug/L		81	26 - 127	12	30
Ethylbenzene	20.0	18.9		ug/L		95	80 - 120	4	30
Isopropylbenzene	20.0	21.2		ug/L		106	80 - 120	3	30
m&p-Xylene	40.0	37.2		ug/L		93	80 - 120	5	30
Methyl iodide	20.0	18.0		ug/L		90	63 - 125	3	30
Methyl tertiary butyl ether	20.0	17.5		ug/L		88	69 - 122	5	30
Methylene Chloride	20.0	20.8		ug/L		104	80 - 120	0	30
Naphthalene	20.0	18.6		ug/L		93	67 - 124	1	30
n-Butylbenzene	20.0	18.8		ug/L		94	76 - 120	4	30
N-Propylbenzene	20.0	19.4		ug/L		97	79 - 121	2	30
o-Xylene	20.0	18.8		ug/L		94	80 - 120	3	30
p-Isopropyltoluene	20.0	18.4		ug/L		92	76 - 120	1	30
sec-Butylbenzene	20.0	18.6		ug/L		93	77 - 120	3	30
Styrene	20.0	18.4		ug/L		92	80 - 120	4	30
tert-Butylbenzene	20.0	17.7		ug/L		88	78 - 120	5	30
Tetrachloroethene	20.0	19.3		ug/L		96	80 - 120	6	30
Tetrahydrofuran	100	95.8		ug/L		96	65 - 135	4	30
Toluene	20.0	18.6		ug/L		93	80 - 120	3	30
trans-1,2-Dichloroethene	20.0	20.7		ug/L		104	80 - 126	1	30
trans-1,3-Dichloropropene	20.0	16.3		ug/L		81	67 - 120	7	30
trans-1,4-Dichloro-2-butene	100	70.9		ug/L		71	33 - 143	3	30
Trichloroethene	20.0	18.9		ug/L		95	80 - 120	4	30
Trichlorofluoromethane	20.0	16.7		ug/L		83	51 - 120	6	30
Vinyl chloride	20.0	17.4		ug/L		87	56 - 120	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 410-561581/8

Matrix: Water

Analysis Batch: 561581

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
Ethyl ether	19.9	20.4		ug/L		102	13 - 161	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	98		80 - 120

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: MB 410-562088/10

Matrix: Water

Analysis Batch: 562088

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			10/11/24 12:46	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			10/11/24 12:46	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			10/11/24 12:46	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			10/11/24 12:46	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			10/11/24 12:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			10/11/24 12:46	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			10/11/24 12:46	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			10/11/24 12:46	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			10/11/24 12:46	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
2-Butanone	ND		10	0.50	ug/L			10/11/24 12:46	1
2-Hexanone	ND		10	0.85	ug/L			10/11/24 12:46	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			10/11/24 12:46	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			10/11/24 12:46	1
Acetone	ND		20	0.70	ug/L			10/11/24 12:46	1
Acrylonitrile	ND		20	1.6	ug/L			10/11/24 12:46	1
Benzene	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Bromobenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
Bromochloromethane	ND		5.0	0.20	ug/L			10/11/24 12:46	1
Bromodichloromethane	ND		1.0	0.20	ug/L			10/11/24 12:46	1
Bromoform	ND		4.0	1.0	ug/L			10/11/24 12:46	1
Bromomethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Carbon disulfide	ND		5.0	0.30	ug/L			10/11/24 12:46	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Chlorobenzene	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Chloroethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Chloroform	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Chloromethane	ND		2.0	0.55	ug/L			10/11/24 12:46	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			10/11/24 12:46	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/11/24 12:46	1
Dibromochloromethane	ND		1.0	0.20	ug/L			10/11/24 12:46	1
Dibromomethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Ethyl ether	ND		5.0	0.30	ug/L			10/11/24 12:46	1
Ethylbenzene	ND		1.0	0.40	ug/L			10/11/24 12:46	1
Isopropylbenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
m&p-Xylene	ND		5.0	2.0	ug/L			10/11/24 12:46	1
Methyl iodide	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			10/11/24 12:46	1
Methylene Chloride	ND		1.0	0.30	ug/L			10/11/24 12:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: MB 410-562088/10

Matrix: Water

Analysis Batch: 562088

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			10/11/24 12:46	1
n-Butylbenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
N-Propylbenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
o-Xylene	ND		1.0	0.40	ug/L			10/11/24 12:46	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
Styrene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			10/11/24 12:46	1
Tetrachloroethene	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Tetrahydrofuran	ND		10	1.6	ug/L			10/11/24 12:46	1
Toluene	ND		1.0	0.30	ug/L			10/11/24 12:46	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			10/11/24 12:46	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			10/11/24 12:46	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			10/11/24 12:46	1
Trichloroethene	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			10/11/24 12:46	1
Vinyl chloride	ND		1.0	0.30	ug/L			10/11/24 12:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		10/11/24 12:46	1
4-Bromofluorobenzene (Surr)	96		80 - 120		10/11/24 12:46	1
Dibromofluoromethane (Surr)	106		80 - 120		10/11/24 12:46	1
Toluene-d8 (Surr)	100		80 - 120		10/11/24 12:46	1

Lab Sample ID: LCS 410-562088/5

Matrix: Water

Analysis Batch: 562088

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	19.6		ug/L		98	79 - 120
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	73 - 120
1,1,2,2-Tetrachloroethane	20.0	19.4		ug/L		97	72 - 120
1,1,2-Trichloroethane	20.0	18.7		ug/L		94	80 - 120
1,1-Dichloroethane	20.0	20.5		ug/L		102	80 - 120
1,1-Dichloroethene	20.0	20.7		ug/L		104	80 - 131
1,2,3-Trichlorobenzene	20.0	19.4		ug/L		97	66 - 120
1,2,3-Trichloropropane	20.0	19.1		ug/L		96	75 - 124
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		99	63 - 120
1,2,4-Trimethylbenzene	20.0	19.3		ug/L		96	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.2		ug/L		86	60 - 120
1,2-Dibromoethane	20.0	18.7		ug/L		93	77 - 120
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dichloroethane	20.0	20.3		ug/L		101	73 - 124
1,2-Dichloropropane	20.0	19.8		ug/L		99	80 - 120
1,3,5-Trimethylbenzene	20.0	19.6		ug/L		98	75 - 120
1,3-Dichlorobenzene	20.0	19.7		ug/L		99	80 - 120
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
2-Butanone	250	231		ug/L		93	59 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCS 410-562088/5

Matrix: Water

Analysis Batch: 562088

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	246		ug/L		99	56 - 135
2-Methylnaphthalene	20.0	20.0		ug/L		100	34 - 120
4-Methyl-2-pentanone	250	249		ug/L		100	62 - 133
Acetone	250	264		ug/L		106	57 - 143
Acrylonitrile	100	96.2		ug/L		96	60 - 129
Benzene	20.0	19.5		ug/L		98	80 - 120
Bromobenzene	20.0	19.1		ug/L		96	80 - 120
Bromochloromethane	20.0	19.4		ug/L		97	80 - 120
Bromodichloromethane	20.0	19.3		ug/L		96	71 - 120
Bromoform	20.0	18.9		ug/L		94	51 - 120
Bromomethane	20.0	17.0		ug/L		85	53 - 128
Carbon disulfide	20.0	18.4		ug/L		92	65 - 128
Carbon tetrachloride	20.0	20.0		ug/L		100	64 - 134
Chlorobenzene	20.0	19.3		ug/L		97	80 - 120
Chloroethane	20.0	18.4		ug/L		92	55 - 123
Chloroform	20.0	19.9		ug/L		100	80 - 120
Chloromethane	20.0	17.2		ug/L		86	39 - 134
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 125
cis-1,3-Dichloropropene	20.0	16.9		ug/L		85	75 - 120
Dibromochloromethane	20.0	19.0		ug/L		95	71 - 120
Dibromomethane	20.0	18.8		ug/L		94	80 - 120
Dichlorodifluoromethane	20.0	16.6		ug/L		83	26 - 127
Ethylbenzene	20.0	19.4		ug/L		97	80 - 120
Isopropylbenzene	20.0	21.7		ug/L		109	80 - 120
m&p-Xylene	40.0	37.8		ug/L		94	80 - 120
Methyl iodide	20.0	17.9		ug/L		89	63 - 125
Methyl tertiary butyl ether	20.0	17.7		ug/L		88	69 - 122
Methylene Chloride	20.0	19.6		ug/L		98	80 - 120
Naphthalene	20.0	19.2		ug/L		96	67 - 124
n-Butylbenzene	20.0	19.9		ug/L		100	76 - 120
N-Propylbenzene	20.0	19.8		ug/L		99	79 - 121
o-Xylene	20.0	19.3		ug/L		97	80 - 120
p-Isopropyltoluene	20.0	19.1		ug/L		96	76 - 120
sec-Butylbenzene	20.0	19.5		ug/L		98	77 - 120
Styrene	20.0	18.8		ug/L		94	80 - 120
tert-Butylbenzene	20.0	19.1		ug/L		95	78 - 120
Tetrachloroethene	20.0	19.6		ug/L		98	80 - 120
Tetrahydrofuran	100	93.1		ug/L		93	65 - 135
Toluene	20.0	19.4		ug/L		97	80 - 120
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 126
trans-1,3-Dichloropropene	20.0	17.7		ug/L		89	67 - 120
trans-1,4-Dichloro-2-butene	100	64.9		ug/L		65	33 - 143
Trichloroethene	20.0	18.6		ug/L		93	80 - 120
Trichlorofluoromethane	20.0	16.0		ug/L		80	51 - 120
Vinyl chloride	20.0	17.5		ug/L		88	56 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCS 410-562088/5

Matrix: Water

Analysis Batch: 562088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCS 410-562088/7

Matrix: Water

Analysis Batch: 562088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethyl ether	19.9	21.8		ug/L		109	13 - 161

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 410-562088/6

Matrix: Water

Analysis Batch: 562088

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	19.2		ug/L		96	79 - 120	2	30
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	73 - 120	1	30
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	72 - 120	2	30
1,1,2-Trichloroethane	20.0	18.5		ug/L		93	80 - 120	1	30
1,1-Dichloroethane	20.0	21.1		ug/L		106	80 - 120	3	30
1,1-Dichloroethene	20.0	21.7		ug/L		109	80 - 131	5	30
1,2,3-Trichlorobenzene	20.0	18.9		ug/L		94	66 - 120	3	30
1,2,3-Trichloropropane	20.0	19.0		ug/L		95	75 - 124	0	30
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	63 - 120	3	30
1,2,4-Trimethylbenzene	20.0	18.9		ug/L		95	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	20.0	17.3		ug/L		87	60 - 120	1	30
1,2-Dibromoethane	20.0	18.4		ug/L		92	77 - 120	1	30
1,2-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120	1	30
1,2-Dichloroethane	20.0	20.0		ug/L		100	73 - 124	2	30
1,2-Dichloropropane	20.0	19.2		ug/L		96	80 - 120	3	30
1,3,5-Trimethylbenzene	20.0	19.1		ug/L		96	75 - 120	3	30
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	2	30
2-Butanone	250	226		ug/L		90	59 - 135	2	30
2-Hexanone	250	241		ug/L		96	56 - 135	2	30
2-Methylnaphthalene	20.0	19.6		ug/L		98	34 - 120	2	30
4-Methyl-2-pentanone	250	246		ug/L		98	62 - 133	1	30
Acetone	250	257		ug/L		103	57 - 143	3	30
Acrylonitrile	100	96.9		ug/L		97	60 - 129	1	30
Benzene	20.0	19.5		ug/L		97	80 - 120	0	30
Bromobenzene	20.0	18.8		ug/L		94	80 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCSD 410-562088/6

Matrix: Water

Analysis Batch: 562088

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
Bromochloromethane	20.0	20.3		ug/L		102	80 - 120	5	30
Bromodichloromethane	20.0	19.3		ug/L		97	71 - 120	0	30
Bromoform	20.0	17.9		ug/L		89	51 - 120	5	30
Bromomethane	20.0	16.6		ug/L		83	53 - 128	2	30
Carbon disulfide	20.0	18.6		ug/L		93	65 - 128	1	30
Carbon tetrachloride	20.0	20.4		ug/L		102	64 - 134	2	30
Chlorobenzene	20.0	18.8		ug/L		94	80 - 120	2	30
Chloroethane	20.0	18.6		ug/L		93	55 - 123	1	30
Chloroform	20.0	20.7		ug/L		103	80 - 120	4	30
Chloromethane	20.0	17.1		ug/L		86	39 - 134	0	30
cis-1,2-Dichloroethene	20.0	20.1		ug/L		100	80 - 125	4	30
cis-1,3-Dichloropropene	20.0	16.2		ug/L		81	75 - 120	5	30
Dibromochloromethane	20.0	18.7		ug/L		93	71 - 120	2	30
Dibromomethane	20.0	19.2		ug/L		96	80 - 120	2	30
Dichlorodifluoromethane	20.0	16.2		ug/L		81	26 - 127	2	30
Ethylbenzene	20.0	19.3		ug/L		97	80 - 120	0	30
Isopropylbenzene	20.0	21.8		ug/L		109	80 - 120	0	30
m&p-Xylene	40.0	38.6		ug/L		96	80 - 120	2	30
Methyl iodide	20.0	18.3		ug/L		91	63 - 125	2	30
Methyl tertiary butyl ether	20.0	17.6		ug/L		88	69 - 122	0	30
Methylene Chloride	20.0	20.4		ug/L		102	80 - 120	4	30
Naphthalene	20.0	19.0		ug/L		95	67 - 124	1	30
n-Butylbenzene	20.0	19.9		ug/L		99	76 - 120	0	30
N-Propylbenzene	20.0	20.0		ug/L		100	79 - 121	1	30
o-Xylene	20.0	19.2		ug/L		96	80 - 120	1	30
p-Isopropyltoluene	20.0	18.8		ug/L		94	76 - 120	2	30
sec-Butylbenzene	20.0	19.3		ug/L		96	77 - 120	1	30
Styrene	20.0	18.6		ug/L		93	80 - 120	1	30
tert-Butylbenzene	20.0	18.4		ug/L		92	78 - 120	3	30
Tetrachloroethene	20.0	19.8		ug/L		99	80 - 120	1	30
Tetrahydrofuran	100	92.5		ug/L		93	65 - 135	1	30
Toluene	20.0	19.4		ug/L		97	80 - 120	0	30
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 126	4	30
trans-1,3-Dichloropropene	20.0	16.9		ug/L		84	67 - 120	5	30
trans-1,4-Dichloro-2-butene	100	60.2		ug/L		60	33 - 143	8	30
Trichloroethene	20.0	18.9		ug/L		94	80 - 120	1	30
Trichlorofluoromethane	20.0	16.2		ug/L		81	51 - 120	1	30
Vinyl chloride	20.0	17.3		ug/L		86	56 - 120	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	107		80 - 120
Toluene-d8 (Surr)	103		80 - 120

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCSD 410-562088/8

Matrix: Water

Analysis Batch: 562088

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
Ethyl ether	19.9	20.6		ug/L		104	13 - 161	5	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	99		80 - 120						
4-Bromofluorobenzene (Surr)	97		80 - 120						
Dibromofluoromethane (Surr)	103		80 - 120						
Toluene-d8 (Surr)	102		80 - 120						

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-557696/1-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 557696

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		10/01/24 07:18	10/02/24 05:27	1
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		10/01/24 07:18	10/02/24 05:27	1
2,4-D (1C)	ND		0.60	0.25	ug/L		10/01/24 07:18	10/02/24 05:27	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dalapon (1C)	ND		12	5.7	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dicamba (1C)	ND		0.55	0.27	ug/L		10/01/24 07:18	10/02/24 05:27	1
Dinoseb (1C)	ND		0.60	0.28	ug/L		10/01/24 07:18	10/02/24 05:27	1
MCPP (1C)	ND		200	50	ug/L		10/01/24 07:18	10/02/24 05:27	1
MCPA (1C)	ND		200	50	ug/L		10/01/24 07:18	10/02/24 05:27	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		10/01/24 07:18	10/02/24 05:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	82		34 - 142				10/01/24 07:18	10/02/24 05:27	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	72		34 - 142				10/01/24 07:18	10/02/24 05:27	1

Lab Sample ID: LCS 410-557696/2-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 557696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T (2C)	0.250	0.313		ug/L		125	57 - 171
Silvex (2,4,5-TP) (2C)	0.250	0.322		ug/L		129	62 - 170
2,4-D (2C)	2.50	2.75		ug/L		110	53 - 159
2,4-DB (2C)	2.50	3.08		ug/L		123	27 - 159
Dichlorprop (1C)	2.51	2.33		ug/L		93	60 - 151
Dalapon (2C)	6.26	ND		ug/L		48	26 - 115
Dicamba (1C)	0.250	ND		ug/L		95	49 - 140
Dinoseb (2C)	1.25	ND		ug/L		15	10 - 169
MCPP (1C)	251	277		ug/L		111	50 - 144
MCPA (1C)	496	466		ug/L		94	24 - 144
Pentachlorophenol (2C)	0.199	0.236		ug/L		119	56 - 185

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	90		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	94		34 - 142

Lab Sample ID: LCSD 410-557696/3-A

Matrix: Water

Analysis Batch: 558192

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 557696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T (2C)	0.250	0.314		ug/L		126	57 - 171	0	30
Silvex (2,4,5-TP) (2C)	0.250	0.325		ug/L		130	62 - 170	1	30
2,4-D (2C)	2.50	2.91		ug/L		116	53 - 159	6	30
2,4-DB (2C)	2.50	3.13		ug/L		125	27 - 159	2	30
Dichlorprop (1C)	2.51	2.37		ug/L		94	60 - 151	1	30
Dalapon (1C)	6.26	ND	*1	ug/L		71	26 - 115	38	30
Dicamba (1C)	0.250	ND		ug/L		97	49 - 140	2	30
Dinoseb (2C)	1.25	ND		ug/L		15	10 - 169	1	30
MCPD (1C)	251	281		ug/L		112	50 - 144	1	30
MCPA (1C)	496	472		ug/L		95	24 - 144	1	30
Pentachlorophenol (2C)	0.199	0.254		ug/L		128	56 - 185	7	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	91		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	100		34 - 142

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

Lab Sample ID: MB 410-557600/45

Matrix: Water

Analysis Batch: 557600

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			10/01/24 10:27	1

Lab Sample ID: LCS 410-557600/43

Matrix: Water

Analysis Batch: 557600

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 410-557600/44

Matrix: Water

Analysis Batch: 557600

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	7.19		mg/L		96	90 - 110	0	20

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: MB 410-557605/5

Matrix: Water

Analysis Batch: 557605

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			10/01/24 01:09	1

Lab Sample ID: LCS 410-557605/3

Matrix: Water

Analysis Batch: 557605

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	7.19		mg/L		96	90 - 110

Lab Sample ID: LCSD 410-557605/4

Matrix: Water

Analysis Batch: 557605

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	7.16		mg/L		95	90 - 110	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-559471/1-A

Matrix: Water

Analysis Batch: 561749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 559471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		10/04/24 10:42	10/10/24 11:13	1

Lab Sample ID: LCS 410-559471/2-A

Matrix: Water

Analysis Batch: 561749

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 559471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	4.75		mg/L		95	90 - 111

Lab Sample ID: MB 410-559770/1-A

Matrix: Water

Analysis Batch: 562251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 559770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		10/05/24 03:13	10/11/24 13:21	1

Lab Sample ID: LCS 410-559770/2-A

Matrix: Water

Analysis Batch: 562251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 559770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.05		mg/L		101	90 - 111

QC Sample Results

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

Job ID: 410-189949-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-558949/1-A
Matrix: Water
Analysis Batch: 561981

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 558949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		10/04/24 06:55	10/11/24 04:03	1
Iron	ND		0.050	0.020	mg/L		10/04/24 06:55	10/11/24 04:03	1
Manganese	0.00151	J	0.0020	0.00095	mg/L		10/04/24 06:55	10/11/24 04:03	1

Lab Sample ID: LCS 410-558949/2-A
Matrix: Water
Analysis Batch: 561981

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 558949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.505		mg/L		101	90 - 109
Iron	5.00	4.93		mg/L		99	90 - 111
Manganese	0.500	0.490		mg/L		98	90 - 111

Lab Sample ID: MB 410-559714/1-A
Matrix: Water
Analysis Batch: 562636

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 559714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		10/04/24 21:00	10/13/24 10:25	1
Iron	ND		0.050	0.020	mg/L		10/04/24 21:00	10/13/24 10:25	1
Manganese	ND		0.0020	0.00095	mg/L		10/04/24 21:00	10/13/24 10:25	1

Lab Sample ID: LCS 410-559714/2-A
Matrix: Water
Analysis Batch: 562636

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 559714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.453		mg/L		91	90 - 109
Iron	5.00	4.49		mg/L		90	90 - 111
Manganese	0.500	0.450		mg/L		90	90 - 111

Lab Sample ID: 410-189949-8 MS
Matrix: Water
Analysis Batch: 562251

Client Sample ID: MW-5R-W-240926
Prep Type: Dissolved
Prep Batch: 559770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	2.4		5.00	8.12		mg/L		115	75 - 125

Lab Sample ID: 410-189949-8 MSD
Matrix: Water
Analysis Batch: 562251

Client Sample ID: MW-5R-W-240926
Prep Type: Dissolved
Prep Batch: 559770

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	2.4		5.00	7.96		mg/L		112	75 - 125	2	20

QC Sample Results

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

Job ID: 410-189949-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-189949-8 DU

Matrix: Water

Analysis Batch: 562251

Client Sample ID: MW-5R-W-240926

Prep Type: Dissolved

Prep Batch: 559770

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Iron	2.4		2.41		mg/L		2	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-558524/38

Matrix: Water

Analysis Batch: 558524

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			10/01/24 21:26	1

Lab Sample ID: MB 410-558524/68

Matrix: Water

Analysis Batch: 558524

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			10/02/24 09:07	1

Lab Sample ID: LCS 410-558524/41

Matrix: Water

Analysis Batch: 558524

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	191		mg/L		101	80 - 110

Lab Sample ID: LCS 410-558524/71

Matrix: Water

Analysis Batch: 558524

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	191		mg/L		101	80 - 110

Lab Sample ID: LCSD 410-558524/42

Matrix: Water

Analysis Batch: 558524

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
Total Alkalinity as CaCO3 to pH 4.5	189	192		mg/L		101	80 - 110	1	10

Lab Sample ID: LCSD 410-558524/72

Matrix: Water

Analysis Batch: 558524

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
Total Alkalinity as CaCO3 to pH 4.5	189	190		mg/L		101	80 - 110	0	10

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: MB 410-558673/33

Matrix: Water

Analysis Batch: 558673

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			10/02/24 08:27	1

Lab Sample ID: LCS 410-558673/36

Matrix: Water

Analysis Batch: 558673

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	80 - 110

Lab Sample ID: LCSD 410-558673/37

Matrix: Water

Analysis Batch: 558673

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	80 - 110	1	10

Lab Sample ID: MB 410-559519/100

Matrix: Water

Analysis Batch: 559519

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			10/04/24 01:03	1

Lab Sample ID: LCS 410-559519/101

Matrix: Water

Analysis Batch: 559519

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	80 - 110

Lab Sample ID: 410-189949-3 DU

Matrix: Water

Analysis Batch: 559519

Client Sample ID: MW-12R-W-240926

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	710		725		mg/L		2	10

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-556658/14

Matrix: Water

Analysis Batch: 556658

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			09/27/24 14:26	1

QC Sample Results

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

Job ID: 410-189949-1

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCS 410-556658/12

Matrix: Water

Analysis Batch: 556658

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	0.508		mg/L		102	90 - 110

Lab Sample ID: LCSD 410-556658/13

Matrix: Water

Analysis Batch: 556658

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	0.509		mg/L		102	90 - 110	0	20

Lab Sample ID: 410-189949-1 MS

Matrix: Water

Analysis Batch: 556658

Client Sample ID: MW-6-W-240925

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.048	J	0.200	0.254		mg/L		103	90 - 110

Lab Sample ID: 410-189949-1 DU

Matrix: Water

Analysis Batch: 556658

Client Sample ID: MW-6-W-240925

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	0.048	J		0.0510		mg/L		7	20

Lab Sample ID: MB 410-556851/14

Matrix: Water

Analysis Batch: 556851

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			09/28/24 09:05	1

Lab Sample ID: LCS 410-556851/12

Matrix: Water

Analysis Batch: 556851

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	0.489		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-556851/13

Matrix: Water

Analysis Batch: 556851

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	0.487		mg/L		97	90 - 110	0	20

Lab Sample ID: 410-189949-4 MS

Matrix: Water

Analysis Batch: 556851

Client Sample ID: MW-3-W-240926

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.033	J	0.200	0.228		mg/L		97	90 - 110

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-189949-1

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: 410-189949-4 DU
Matrix: Water
Analysis Batch: 556851

Client Sample ID: MW-3-W-240926
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Nitrite as N	0.033	J	0.0335	J	mg/L		0.6	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 410-557029/1-A
Matrix: Water
Analysis Batch: 558656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		10/02/24 02:00	10/02/24 14:47	1

Lab Sample ID: LCS 410-557029/2-A
Matrix: Water
Analysis Batch: 558656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.67	1.81		mg/L		109	90 - 110

Lab Sample ID: 410-189949-4 MS
Matrix: Water
Analysis Batch: 558656

Client Sample ID: MW-3-W-240926
Prep Type: Total/NA
Prep Batch: 557029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	2.6		2.01	4.69		mg/L		104	90 - 110

Lab Sample ID: 410-189949-3 DU
Matrix: Water
Analysis Batch: 558656

Client Sample ID: MW-12R-W-240926
Prep Type: Total/NA
Prep Batch: 557029

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Phosphorus as P	0.13		0.177	F5	mg/L		28	4

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

Lab Sample ID: SCB 410-558651/4
Matrix: Water
Analysis Batch: 558651

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	1.37	s	0.0000010	0.0000010	mg/L			09/27/24 11:45	1

Lab Sample ID: USB 410-558651/2
Matrix: Water
Analysis Batch: 558651

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	0.180		0.0000010	0.0000010	mg/L			09/27/24 11:45	1

QC Sample Results

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

Job ID: 410-189949-1

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

Lab Sample ID: LCS 410-558651/49
Matrix: Water
Analysis Batch: 558651

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	196	186		mg/L		95	84.5 - 115.96 154

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-557455/17
Matrix: Water
Analysis Batch: 557455

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			09/30/24 12:45	1

Lab Sample ID: MB 410-557455/55
Matrix: Water
Analysis Batch: 557455

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			09/30/24 14:04	1

Lab Sample ID: LCS 410-557455/15
Matrix: Water
Analysis Batch: 557455

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	2.10		mg/L		105	90 - 110

Lab Sample ID: LCS 410-557455/53
Matrix: Water
Analysis Batch: 557455

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	1.91		mg/L		96	90 - 110

Lab Sample ID: LCSD 410-557455/16
Matrix: Water
Analysis Batch: 557455

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	2.11		mg/L		106	90 - 110	0	15

Lab Sample ID: LCSD 410-557455/54
Matrix: Water
Analysis Batch: 557455

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	1.93		mg/L		97	90 - 110	1	15

QC Association Summary

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

Job ID: 410-189949-1

GC/MS VOA

Analysis Batch: 560047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-2	MW-9-W-240925	Total/NA	Water	8260D	
MB 410-560047/7	Method Blank	Total/NA	Water	8260D	
LCS 410-560047/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-560047/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 561581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-3	MW-12R-W-240926	Total/NA	Water	8260D	
410-189949-4	MW-3-W-240926	Total/NA	Water	8260D	
410-189949-5	MW-22-W-240926	Total/NA	Water	8260D	
410-189949-8	MW-5R-W-240926	Total/NA	Water	8260D	
410-189949-9	MW-4R-W-240926	Total/NA	Water	8260D	
MB 410-561581/10	Method Blank	Total/NA	Water	8260D	
LCS 410-561581/5	Lab Control Sample	Total/NA	Water	8260D	
LCS 410-561581/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-561581/6	Lab Control Sample Dup	Total/NA	Water	8260D	
LCSD 410-561581/8	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 562088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-10	TB-1-W-240926	Total/NA	Water	8260D	
MB 410-562088/10	Method Blank	Total/NA	Water	8260D	
LCS 410-562088/5	Lab Control Sample	Total/NA	Water	8260D	
LCS 410-562088/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-562088/6	Lab Control Sample Dup	Total/NA	Water	8260D	
LCSD 410-562088/8	Lab Control Sample Dup	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 557696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-2 - DL	MW-9-W-240925	Total/NA	Water	8151A	
410-189949-2	MW-9-W-240925	Total/NA	Water	8151A	
410-189949-3 - DL	MW-12R-W-240926	Total/NA	Water	8151A	
410-189949-3	MW-12R-W-240926	Total/NA	Water	8151A	
410-189949-4	MW-3-W-240926	Total/NA	Water	8151A	
410-189949-4 - DL	MW-3-W-240926	Total/NA	Water	8151A	
410-189949-5	MW-22-W-240926	Total/NA	Water	8151A	
410-189949-8	MW-5R-W-240926	Total/NA	Water	8151A	
410-189949-9	MW-4R-W-240926	Total/NA	Water	8151A	
410-189949-9 - DL	MW-4R-W-240926	Total/NA	Water	8151A	
MB 410-557696/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-557696/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-557696/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 558192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-2	MW-9-W-240925	Total/NA	Water	8151A	557696
410-189949-3	MW-12R-W-240926	Total/NA	Water	8151A	557696
410-189949-4	MW-3-W-240926	Total/NA	Water	8151A	557696
410-189949-5	MW-22-W-240926	Total/NA	Water	8151A	557696

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189949-1

GC Semi VOA (Continued)

Analysis Batch: 558192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-8	MW-5R-W-240926	Total/NA	Water	8151A	557696
410-189949-9	MW-4R-W-240926	Total/NA	Water	8151A	557696
MB 410-557696/1-A	Method Blank	Total/NA	Water	8151A	557696
LCS 410-557696/2-A	Lab Control Sample	Total/NA	Water	8151A	557696
LCSD 410-557696/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	557696

Analysis Batch: 558724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-2 - DL	MW-9-W-240925	Total/NA	Water	8151A	557696
410-189949-3 - DL	MW-12R-W-240926	Total/NA	Water	8151A	557696
410-189949-4 - DL	MW-3-W-240926	Total/NA	Water	8151A	557696
410-189949-9 - DL	MW-4R-W-240926	Total/NA	Water	8151A	557696

HPLC/IC

Analysis Batch: 557600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total/NA	Water	EPA 300.0 R2.1	
410-189949-2	MW-9-W-240925	Total/NA	Water	EPA 300.0 R2.1	
410-189949-3	MW-12R-W-240926	Total/NA	Water	EPA 300.0 R2.1	
410-189949-4	MW-3-W-240926	Total/NA	Water	EPA 300.0 R2.1	
410-189949-5	MW-22-W-240926	Total/NA	Water	EPA 300.0 R2.1	
410-189949-6	MW-8-W-240926	Total/NA	Water	EPA 300.0 R2.1	
410-189949-8	MW-5R-W-240926	Total/NA	Water	EPA 300.0 R2.1	
MB 410-557600/45	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-557600/43	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-557600/44	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 557605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-7	EB-1-W-240926	Total/NA	Water	EPA 300.0 R2.1	
410-189949-9	MW-4R-W-240926	Total/NA	Water	EPA 300.0 R2.1	
MB 410-557605/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-557605/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-557605/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 558949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total Recoverable	Water	3005A	
410-189949-2	MW-9-W-240925	Total Recoverable	Water	3005A	
410-189949-3	MW-12R-W-240926	Total Recoverable	Water	3005A	
410-189949-4	MW-3-W-240926	Total Recoverable	Water	3005A	
410-189949-5	MW-22-W-240926	Total Recoverable	Water	3005A	
410-189949-6	MW-8-W-240926	Total Recoverable	Water	3005A	
410-189949-7	EB-1-W-240926	Total Recoverable	Water	3005A	
410-189949-9	MW-4R-W-240926	Total Recoverable	Water	3005A	
MB 410-558949/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-558949/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

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

Job ID: 410-189949-1

Metals

Prep Batch: 559471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-3	MW-12R-W-240926	Dissolved	Water	Non-Digest Prep	
MB 410-559471/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-559471/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 559714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-8	MW-5R-W-240926	Total Recoverable	Water	3005A	
MB 410-559714/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-559714/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 559770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Dissolved	Water	Non-Digest Prep	
410-189949-2	MW-9-W-240925	Dissolved	Water	Non-Digest Prep	
410-189949-4	MW-3-W-240926	Dissolved	Water	Non-Digest Prep	
410-189949-5	MW-22-W-240926	Dissolved	Water	Non-Digest Prep	
410-189949-6	MW-8-W-240926	Dissolved	Water	Non-Digest Prep	
410-189949-7	EB-1-W-240926	Dissolved	Water	Non-Digest Prep	
410-189949-8	MW-5R-W-240926	Dissolved	Water	Non-Digest Prep	
410-189949-9	MW-4R-W-240926	Dissolved	Water	Non-Digest Prep	
MB 410-559770/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-559770/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-189949-8 MS	MW-5R-W-240926	Dissolved	Water	Non-Digest Prep	
410-189949-8 MSD	MW-5R-W-240926	Dissolved	Water	Non-Digest Prep	
410-189949-8 DU	MW-5R-W-240926	Dissolved	Water	Non-Digest Prep	

Analysis Batch: 561749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-3	MW-12R-W-240926	Dissolved	Water	6020B	559471
MB 410-559471/1-A	Method Blank	Total/NA	Water	6020B	559471
LCS 410-559471/2-A	Lab Control Sample	Total/NA	Water	6020B	559471

Analysis Batch: 561981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total Recoverable	Water	6020B	558949
410-189949-2	MW-9-W-240925	Total Recoverable	Water	6020B	558949
410-189949-3	MW-12R-W-240926	Total Recoverable	Water	6020B	558949
410-189949-4	MW-3-W-240926	Total Recoverable	Water	6020B	558949
410-189949-5	MW-22-W-240926	Total Recoverable	Water	6020B	558949
410-189949-6	MW-8-W-240926	Total Recoverable	Water	6020B	558949
410-189949-7	EB-1-W-240926	Total Recoverable	Water	6020B	558949
410-189949-9	MW-4R-W-240926	Total Recoverable	Water	6020B	558949
MB 410-558949/1-A	Method Blank	Total Recoverable	Water	6020B	558949
LCS 410-558949/2-A	Lab Control Sample	Total Recoverable	Water	6020B	558949

Analysis Batch: 562251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Dissolved	Water	6020B	559770
410-189949-2	MW-9-W-240925	Dissolved	Water	6020B	559770
410-189949-4	MW-3-W-240926	Dissolved	Water	6020B	559770
410-189949-5	MW-22-W-240926	Dissolved	Water	6020B	559770

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189949-1

Metals (Continued)

Analysis Batch: 562251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-6	MW-8-W-240926	Dissolved	Water	6020B	559770
410-189949-7	EB-1-W-240926	Dissolved	Water	6020B	559770
410-189949-8	MW-5R-W-240926	Dissolved	Water	6020B	559770
410-189949-9	MW-4R-W-240926	Dissolved	Water	6020B	559770
MB 410-559770/1-A	Method Blank	Total/NA	Water	6020B	559770
LCS 410-559770/2-A	Lab Control Sample	Total/NA	Water	6020B	559770
410-189949-8 MS	MW-5R-W-240926	Dissolved	Water	6020B	559770
410-189949-8 MSD	MW-5R-W-240926	Dissolved	Water	6020B	559770
410-189949-8 DU	MW-5R-W-240926	Dissolved	Water	6020B	559770

Analysis Batch: 562636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-8	MW-5R-W-240926	Total Recoverable	Water	6020B	559714
MB 410-559714/1-A	Method Blank	Total Recoverable	Water	6020B	559714
LCS 410-559714/2-A	Lab Control Sample	Total Recoverable	Water	6020B	559714

General Chemistry

Analysis Batch: 556658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total/NA	Water	353.2	
410-189949-2	MW-9-W-240925	Total/NA	Water	353.2	
MB 410-556658/14	Method Blank	Total/NA	Water	353.2	
LCS 410-556658/12	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-556658/13	Lab Control Sample Dup	Total/NA	Water	353.2	
410-189949-1 MS	MW-6-W-240925	Total/NA	Water	353.2	
410-189949-1 DU	MW-6-W-240925	Total/NA	Water	353.2	

Analysis Batch: 556851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-3	MW-12R-W-240926	Total/NA	Water	353.2	
410-189949-4	MW-3-W-240926	Total/NA	Water	353.2	
410-189949-5	MW-22-W-240926	Total/NA	Water	353.2	
410-189949-6	MW-8-W-240926	Total/NA	Water	353.2	
410-189949-7	EB-1-W-240926	Total/NA	Water	353.2	
410-189949-8	MW-5R-W-240926	Total/NA	Water	353.2	
410-189949-9	MW-4R-W-240926	Total/NA	Water	353.2	
MB 410-556851/14	Method Blank	Total/NA	Water	353.2	
LCS 410-556851/12	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-556851/13	Lab Control Sample Dup	Total/NA	Water	353.2	
410-189949-4 MS	MW-3-W-240926	Total/NA	Water	353.2	
410-189949-4 DU	MW-3-W-240926	Total/NA	Water	353.2	

Prep Batch: 557029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total/NA	Water	365.1	
410-189949-2	MW-9-W-240925	Total/NA	Water	365.1	
410-189949-3	MW-12R-W-240926	Total/NA	Water	365.1	
410-189949-4	MW-3-W-240926	Total/NA	Water	365.1	
410-189949-5	MW-22-W-240926	Total/NA	Water	365.1	
410-189949-6	MW-8-W-240926	Total/NA	Water	365.1	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189949-1

General Chemistry (Continued)

Prep Batch: 557029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-7	EB-1-W-240926	Total/NA	Water	365.1	
410-189949-8	MW-5R-W-240926	Total/NA	Water	365.1	
410-189949-9	MW-4R-W-240926	Total/NA	Water	365.1	
MB 410-557029/1-A	Method Blank	Total/NA	Water	365.1	
LCS 410-557029/2-A	Lab Control Sample	Total/NA	Water	365.1	
410-189949-4 MS	MW-3-W-240926	Total/NA	Water	365.1	
410-189949-3 DU	MW-12R-W-240926	Total/NA	Water	365.1	

Analysis Batch: 557199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total/NA	Water	353.2	
410-189949-2	MW-9-W-240925	Total/NA	Water	353.2	
410-189949-3	MW-12R-W-240926	Total/NA	Water	353.2	
410-189949-4	MW-3-W-240926	Total/NA	Water	353.2	
410-189949-5	MW-22-W-240926	Total/NA	Water	353.2	
410-189949-6	MW-8-W-240926	Total/NA	Water	353.2	
410-189949-7	EB-1-W-240926	Total/NA	Water	353.2	
410-189949-8	MW-5R-W-240926	Total/NA	Water	353.2	
410-189949-9	MW-4R-W-240926	Total/NA	Water	353.2	

Analysis Batch: 557455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total/NA	Water	EPA 350.1	
410-189949-2	MW-9-W-240925	Total/NA	Water	EPA 350.1	
410-189949-3	MW-12R-W-240926	Total/NA	Water	EPA 350.1	
410-189949-4	MW-3-W-240926	Total/NA	Water	EPA 350.1	
410-189949-5	MW-22-W-240926	Total/NA	Water	EPA 350.1	
410-189949-6	MW-8-W-240926	Total/NA	Water	EPA 350.1	
410-189949-7	EB-1-W-240926	Total/NA	Water	EPA 350.1	
410-189949-8	MW-5R-W-240926	Total/NA	Water	EPA 350.1	
410-189949-9	MW-4R-W-240926	Total/NA	Water	EPA 350.1	
MB 410-557455/17	Method Blank	Total/NA	Water	EPA 350.1	
MB 410-557455/55	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-557455/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCS 410-557455/53	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-557455/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	
LCSD 410-557455/54	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

Analysis Batch: 558524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-5	MW-22-W-240926	Total/NA	Water	2320B-2011	
410-189949-6	MW-8-W-240926	Total/NA	Water	2320B-2011	
410-189949-7	EB-1-W-240926	Total/NA	Water	2320B-2011	
410-189949-8	MW-5R-W-240926	Total/NA	Water	2320B-2011	
410-189949-9	MW-4R-W-240926	Total/NA	Water	2320B-2011	
MB 410-558524/38	Method Blank	Total/NA	Water	2320B-2011	
MB 410-558524/68	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-558524/41	Lab Control Sample	Total/NA	Water	2320B-2011	
LCS 410-558524/71	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-558524/42	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
LCSD 410-558524/72	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

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

Job ID: 410-189949-1

General Chemistry

Analysis Batch: 558651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total/NA	Water	5210 B-2016	
410-189949-2	MW-9-W-240925	Total/NA	Water	5210 B-2016	
410-189949-3	MW-12R-W-240926	Total/NA	Water	5210 B-2016	
410-189949-4	MW-3-W-240926	Total/NA	Water	5210 B-2016	
410-189949-5	MW-22-W-240926	Total/NA	Water	5210 B-2016	
410-189949-6	MW-8-W-240926	Total/NA	Water	5210 B-2016	
410-189949-7	EB-1-W-240926	Total/NA	Water	5210 B-2016	
410-189949-8	MW-5R-W-240926	Total/NA	Water	5210 B-2016	
410-189949-9	MW-4R-W-240926	Total/NA	Water	5210 B-2016	
SCB 410-558651/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 410-558651/2	Method Blank	Total/NA	Water	5210 B-2016	
LCS 410-558651/49	Lab Control Sample	Total/NA	Water	5210 B-2016	

Analysis Batch: 558656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total/NA	Water	365.1	557029
410-189949-2	MW-9-W-240925	Total/NA	Water	365.1	557029
410-189949-3	MW-12R-W-240926	Total/NA	Water	365.1	557029
410-189949-4	MW-3-W-240926	Total/NA	Water	365.1	557029
410-189949-5	MW-22-W-240926	Total/NA	Water	365.1	557029
410-189949-6	MW-8-W-240926	Total/NA	Water	365.1	557029
410-189949-7	EB-1-W-240926	Total/NA	Water	365.1	557029
410-189949-8	MW-5R-W-240926	Total/NA	Water	365.1	557029
410-189949-9	MW-4R-W-240926	Total/NA	Water	365.1	557029
MB 410-557029/1-A	Method Blank	Total/NA	Water	365.1	557029
LCS 410-557029/2-A	Lab Control Sample	Total/NA	Water	365.1	557029
410-189949-4 MS	MW-3-W-240926	Total/NA	Water	365.1	557029
410-189949-3 DU	MW-12R-W-240926	Total/NA	Water	365.1	557029

Analysis Batch: 558673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-1	MW-6-W-240925	Total/NA	Water	2320B-2011	
410-189949-2	MW-9-W-240925	Total/NA	Water	2320B-2011	
410-189949-4	MW-3-W-240926	Total/NA	Water	2320B-2011	
MB 410-558673/33	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-558673/36	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-558673/37	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Analysis Batch: 559519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-189949-3	MW-12R-W-240926	Total/NA	Water	2320B-2011	
MB 410-559519/100	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-559519/101	Lab Control Sample	Total/NA	Water	2320B-2011	
410-189949-3 DU	MW-12R-W-240926	Total/NA	Water	2320B-2011	

Lab Chronicle

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

Job ID: 410-189949-1

Client Sample ID: MW-6-W-240925

Lab Sample ID: 410-189949-1

Date Collected: 09/25/24 13:05

Matrix: Water

Date Received: 09/27/24 09:45

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	557600	W7FX	ELLE	10/01/24 07:26
Dissolved	Prep	Non-Digest Prep			559770	UJL8	ELLE	10/05/24 03:13
Dissolved	Analysis	6020B		1	562251	F7JF	ELLE	10/11/24 13:51
Total Recoverable	Prep	3005A			558949	UJL8	ELLE	10/04/24 06:55
Total Recoverable	Analysis	6020B		1	561981	F7JF	ELLE	10/11/24 05:07
Total/NA	Analysis	2320B-2011		1	558673	DI9Q	ELLE	10/02/24 14:32
Total/NA	Analysis	353.2		1	556658	Q3HN	ELLE	09/27/24 14:26
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 10:36
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:51
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 18:50
Total/NA	Analysis	EPA 350.1		1	557455	JCG7	ELLE	09/30/24 13:49

Client Sample ID: MW-9-W-240925

Lab Sample ID: 410-189949-2

Date Collected: 09/25/24 13:45

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	560047	DVW2	ELLE	10/07/24 16:21
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		10	558192	UAMZ	ELLE	10/02/24 11:05
Total/NA	Prep	8151A	DL		557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A	DL	50	558724	UAMZ	ELLE	10/03/24 15:03
Total/NA	Analysis	EPA 300.0 R2.1		20	557600	W7FX	ELLE	10/01/24 07:38
Dissolved	Prep	Non-Digest Prep			559770	UJL8	ELLE	10/05/24 03:13
Dissolved	Analysis	6020B		1	562251	F7JF	ELLE	10/11/24 13:53
Total Recoverable	Prep	3005A			558949	UJL8	ELLE	10/04/24 06:55
Total Recoverable	Analysis	6020B		1	561981	F7JF	ELLE	10/11/24 05:10
Total/NA	Analysis	2320B-2011		1	558673	DI9Q	ELLE	10/02/24 14:26
Total/NA	Analysis	353.2		1	556658	Q3HN	ELLE	09/27/24 14:28
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 10:36
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:51
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 18:50
Total/NA	Analysis	EPA 350.1		100	557455	JCG7	ELLE	09/30/24 13:51

Client Sample ID: MW-12R-W-240926

Lab Sample ID: 410-189949-3

Date Collected: 09/26/24 07:35

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	561581	DVW2	ELLE	10/10/24 16:21

Lab Chronicle

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

Job ID: 410-189949-1

Client Sample ID: MW-12R-W-240926

Lab Sample ID: 410-189949-3

Date Collected: 09/26/24 07:35

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		20	558192	UAMZ	ELLE	10/02/24 11:34
Total/NA	Prep	8151A	DL		557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A	DL	200	558724	UAMZ	ELLE	10/03/24 15:31
Total/NA	Analysis	EPA 300.0 R2.1		100	557600	W7FX	ELLE	10/01/24 09:27
Dissolved	Prep	Non-Digest Prep			559471	UJL8	ELLE	10/04/24 10:42
Dissolved	Analysis	6020B		1	561749	F7JF	ELLE	10/10/24 11:58
Total Recoverable	Prep	3005A			558949	UJL8	ELLE	10/04/24 06:55
Total Recoverable	Analysis	6020B		1	561981	F7JF	ELLE	10/11/24 04:47
Total/NA	Analysis	2320B-2011		1	559519	DI9Q	ELLE	10/04/24 01:44
Total/NA	Analysis	353.2		1	556851	Q3HN	ELLE	09/28/24 09:07
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 09:07
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:54
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 18:50
Total/NA	Analysis	EPA 350.1		100	557455	JCG7	ELLE	09/30/24 13:53

Client Sample ID: MW-3-W-240926

Lab Sample ID: 410-189949-4

Date Collected: 09/26/24 08:00

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	561581	DVW2	ELLE	10/10/24 15:59
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 12:02
Total/NA	Prep	8151A	DL		557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A	DL	5	558724	UAMZ	ELLE	10/03/24 15:59
Total/NA	Analysis	EPA 300.0 R2.1		20	557600	W7FX	ELLE	10/01/24 07:50
Dissolved	Prep	Non-Digest Prep			559770	UJL8	ELLE	10/05/24 03:13
Dissolved	Analysis	6020B		1	562251	F7JF	ELLE	10/11/24 13:43
Total Recoverable	Prep	3005A			558949	UJL8	ELLE	10/04/24 06:55
Total Recoverable	Analysis	6020B		1	561981	F7JF	ELLE	10/11/24 04:44
Total/NA	Analysis	2320B-2011		1	558673	DI9Q	ELLE	10/02/24 14:19
Total/NA	Analysis	353.2		1	556851	Q3HN	ELLE	09/28/24 09:06
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 09:07
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:55
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 18:50
Total/NA	Analysis	EPA 350.1		50	557455	JCG7	ELLE	09/30/24 13:35

Lab Chronicle

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

Job ID: 410-189949-1

Client Sample ID: MW-22-W-240926

Lab Sample ID: 410-189949-5

Date Collected: 09/26/24 09:15

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	561581	DVW2	ELLE	10/10/24 15:37
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 12:30
Total/NA	Analysis	EPA 300.0 R2.1		20	557600	W7FX	ELLE	10/01/24 08:02
Dissolved	Prep	Non-Digest Prep			559770	UJL8	ELLE	10/05/24 03:13
Dissolved	Analysis	6020B		1	562251	F7JF	ELLE	10/11/24 13:45
Total Recoverable	Prep	3005A			558949	UJL8	ELLE	10/04/24 06:55
Total Recoverable	Analysis	6020B		1	561981	F7JF	ELLE	10/11/24 05:03
Total/NA	Analysis	2320B-2011		1	558524	DI9Q	ELLE	10/02/24 07:38
Total/NA	Analysis	353.2		1	556851	Q3HN	ELLE	09/28/24 09:07
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 09:07
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:55
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 18:50
Total/NA	Analysis	EPA 350.1		1	557455	JCG7	ELLE	09/30/24 14:18

Client Sample ID: MW-8-W-240926

Lab Sample ID: 410-189949-6

Date Collected: 09/26/24 09:45

Matrix: Water

Date Received: 09/27/24 09:45

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	557600	W7FX	ELLE	10/01/24 08:14
Dissolved	Prep	Non-Digest Prep			559770	UJL8	ELLE	10/05/24 03:13
Dissolved	Analysis	6020B		1	562251	F7JF	ELLE	10/11/24 13:47
Total Recoverable	Prep	3005A			558949	UJL8	ELLE	10/04/24 06:55
Total Recoverable	Analysis	6020B		1	561981	F7JF	ELLE	10/11/24 05:05
Total/NA	Analysis	2320B-2011		1	558524	DI9Q	ELLE	10/02/24 07:46
Total/NA	Analysis	353.2		1	556851	Q3HN	ELLE	09/28/24 09:08
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 09:07
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:55
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 18:50
Total/NA	Analysis	EPA 350.1		1	557455	JCG7	ELLE	09/30/24 14:25

Client Sample ID: EB-1-W-240926

Lab Sample ID: 410-189949-7

Date Collected: 09/26/24 10:00

Matrix: Water

Date Received: 09/27/24 09:45

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	557605	W7FX	ELLE	10/01/24 07:47
Dissolved	Prep	Non-Digest Prep			559770	UJL8	ELLE	10/05/24 03:13
Dissolved	Analysis	6020B		1	562251	F7JF	ELLE	10/11/24 13:49

Lab Chronicle

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

Job ID: 410-189949-1

Client Sample ID: EB-1-W-240926

Lab Sample ID: 410-189949-7

Date Collected: 09/26/24 10:00

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			558949	UJL8	ELLE	10/04/24 06:55
Total Recoverable	Analysis	6020B		1	561981	F7JF	ELLE	10/11/24 04:49
Total/NA	Analysis	2320B-2011		1	558524	DI9Q	ELLE	10/01/24 22:46
Total/NA	Analysis	353.2		1	556851	Q3HN	ELLE	09/28/24 09:08
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 09:07
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:56
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 18:50
Total/NA	Analysis	EPA 350.1		1	557455	JCG7	ELLE	09/30/24 14:27

Client Sample ID: MW-5R-W-240926

Lab Sample ID: 410-189949-8

Date Collected: 09/26/24 10:50

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	561581	DVW2	ELLE	10/10/24 20:20
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 12:58
Total/NA	Analysis	EPA 300.0 R2.1		20	557600	W7FX	ELLE	10/01/24 09:39
Dissolved	Prep	Non-Digest Prep			559770	UJL8	ELLE	10/05/24 03:13
Dissolved	Analysis	6020B		1	562251	F7JF	ELLE	10/11/24 13:25
Total Recoverable	Prep	3005A			559714	UAMX	ELLE	10/04/24 21:00
Total Recoverable	Analysis	6020B		1	562636	F7JF	ELLE	10/13/24 10:39
Total/NA	Analysis	2320B-2011		5	558524	DI9Q	ELLE	10/01/24 23:07
Total/NA	Analysis	353.2		1	556851	Q3HN	ELLE	09/28/24 09:09
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 09:07
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 14:56
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 18:50
Total/NA	Analysis	EPA 350.1		20	557455	JCG7	ELLE	09/30/24 14:14

Client Sample ID: MW-4R-W-240926

Lab Sample ID: 410-189949-9

Date Collected: 09/26/24 11:25

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	561581	DVW2	ELLE	10/10/24 15:15
Total/NA	Prep	8151A			557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A		1	558192	UAMZ	ELLE	10/02/24 13:27
Total/NA	Prep	8151A	DL		557696	XU9L	ELLE	10/01/24 07:18
Total/NA	Analysis	8151A	DL	10	558724	UAMZ	ELLE	10/03/24 16:27
Total/NA	Analysis	EPA 300.0 R2.1		20	557605	W7FX	ELLE	10/01/24 06:40

Lab Chronicle

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

Job ID: 410-189949-1

Client Sample ID: MW-4R-W-240926

Lab Sample ID: 410-189949-9

Date Collected: 09/26/24 11:25

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			559770	UJL8	ELLE	10/05/24 03:13
Dissolved	Analysis	6020B		1	562251	F7JF	ELLE	10/11/24 13:55
Total Recoverable	Prep	3005A			558949	UJL8	ELLE	10/04/24 06:55
Total Recoverable	Analysis	6020B		1	561981	F7JF	ELLE	10/11/24 05:12
Total/NA	Analysis	2320B-2011		1	558524	DI9Q	ELLE	10/02/24 11:32
Total/NA	Analysis	353.2		1	556851	Q3HN	ELLE	09/28/24 09:10
Total/NA	Analysis	353.2		1	557199	UKJF	ELLE	09/30/24 09:07
Total/NA	Prep	365.1			557029	PQ9E	ELLE	10/02/24 02:00 - 10/02/24 03:00 ¹
Total/NA	Analysis	365.1		1	558656	JCG7	ELLE	10/02/24 15:01
Total/NA	Analysis	5210 B-2016		1	558651	DI9Q	ELLE	09/27/24 19:40
Total/NA	Analysis	EPA 350.1		200	557455	JCG7	ELLE	09/30/24 14:16

Client Sample ID: TB-1-W-240926

Lab Sample ID: 410-189949-10

Date Collected: 09/26/24 00:00

Matrix: Water

Date Received: 09/27/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	562088	DVW2	ELLE	10/11/24 14:13

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: 410-189949-1

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	04-11-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	2-Methylnaphthalene
8260D		Water	Ethyl ether

Method Summary

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

Job ID: 410-189949-1

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: 410-189949-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-189949-1	MW-6-W-240925	Water	09/25/24 13:05	09/27/24 09:45
410-189949-2	MW-9-W-240925	Water	09/25/24 13:45	09/27/24 09:45
410-189949-3	MW-12R-W-240926	Water	09/26/24 07:35	09/27/24 09:45
410-189949-4	MW-3-W-240926	Water	09/26/24 08:00	09/27/24 09:45
410-189949-5	MW-22-W-240926	Water	09/26/24 09:15	09/27/24 09:45
410-189949-6	MW-8-W-240926	Water	09/26/24 09:45	09/27/24 09:45
410-189949-7	EB-1-W-240926	Water	09/26/24 10:00	09/27/24 09:45
410-189949-8	MW-5R-W-240926	Water	09/26/24 10:50	09/27/24 09:45
410-189949-9	MW-4R-W-240926	Water	09/26/24 11:25	09/27/24 09:45
410-189949-10	TB-1-W-240926	Water	09/26/24 00:00	09/27/24 09:45



Analysis Request/Chain of Custody

Master Laboratories Environmental use only

Sample #

on reverse side correspond with circled numbers.

1 Client Information			4 Matrix			5 Analyses Requested												6 Remarks		
Facility # Bee Jay Scales			WBS			SCR #:														
Site Address 116 N 1st ST Sunny Side WA			Chevron PM Lead Consultant																	
Consultant/Office 2321 Club Meridian Dr STE E Okemos MI			Consultant Project Mgr. Marisa Kaffenberger																	
Consultant Phone # 517-202-0459			Sampler Dana Hutchins																	
2 Sample Identification			3																	
		Collected	Grab	Composite	Soil	Water	Oil	Total Number of Containers												
		Date	Time																	
MW-6-W-240925		9-25-24	1305	X		X		9												
MW-9-W-240925		9-25-24	1745	X		X		14												
MW-12R-W-240926		9-26-24	0735	X		X		14												
MW-3-W-240926		9-26-24	0860	X		X		14												
MW-22-W-240926		9-26-24	0915	X		X		14												
MW-8-W-240926		9-26-24	0945	X		X		9												
EB-1-W-240926		9-26-24	1000	X		X		9												
MW-SR-W-240926		9-26-24	1050	X		X		14												
MW-4R-W-240926		9-26-24	1125	X		X		14												
TB-1-W-240926		9-26-24	-	X		X		1												
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by Dana Hutchins			Date 9-26-24		Time 1230		Received by		Date		Time						
Standard 5 day 4 day 72 hour 48 hour 24 hour			Relinquished by			Date		Time		Received by		Date		Time						
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				JNA		9/27/24		9:45						
Type VI (Raw Data)			Other:			Temperature Upon Receipt °C				Custody Seals Intact?		Yes		No						

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-189949-1

Login Number: 189949

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Ballard, Megan

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.

APPENDIX C
Summary of Third Quarter 2024 Duplicate Relative
Percent Difference

Summary of Third 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-07	MW-7-W-240923	Arsenic		0.013		mg/L	7.41%
MW-07	MW-7-WD-240923	Arsenic		0.014		mg/L	
MW-07	MW-7-W-240923	Nitrate as N		4.6		mg/L	0.00%
MW-07	MW-7-WD-240923	Nitrate as N		4.6		mg/L	
MW-07	MW-7-W-240923	Nitrite as N	<	0.015	U	mg/L	0.00%
MW-07	MW-7-WD-240923	Nitrite as N	<	0.015	U	mg/L	
MW-14	MW-14-W-240925	Arsenic	<	0.00068	U	mg/L	160.47%
MW-14	MW-14-WD-240925	Arsenic		0.0062		mg/L	
MW-14	MW-14-W-240925	Nitrate as N		2		mg/L	9.52%
MW-14	MW-14-WD-240925	Nitrate as N		2.2		mg/L	
MW-14	MW-14-W-240925	Nitrite as N		0.16		mg/L	6.45%
MW-14	MW-14-WD-240925	Nitrite as N		0.15		mg/L	
AVERAGE							30.64%

Notes:

MDL = method detection limit

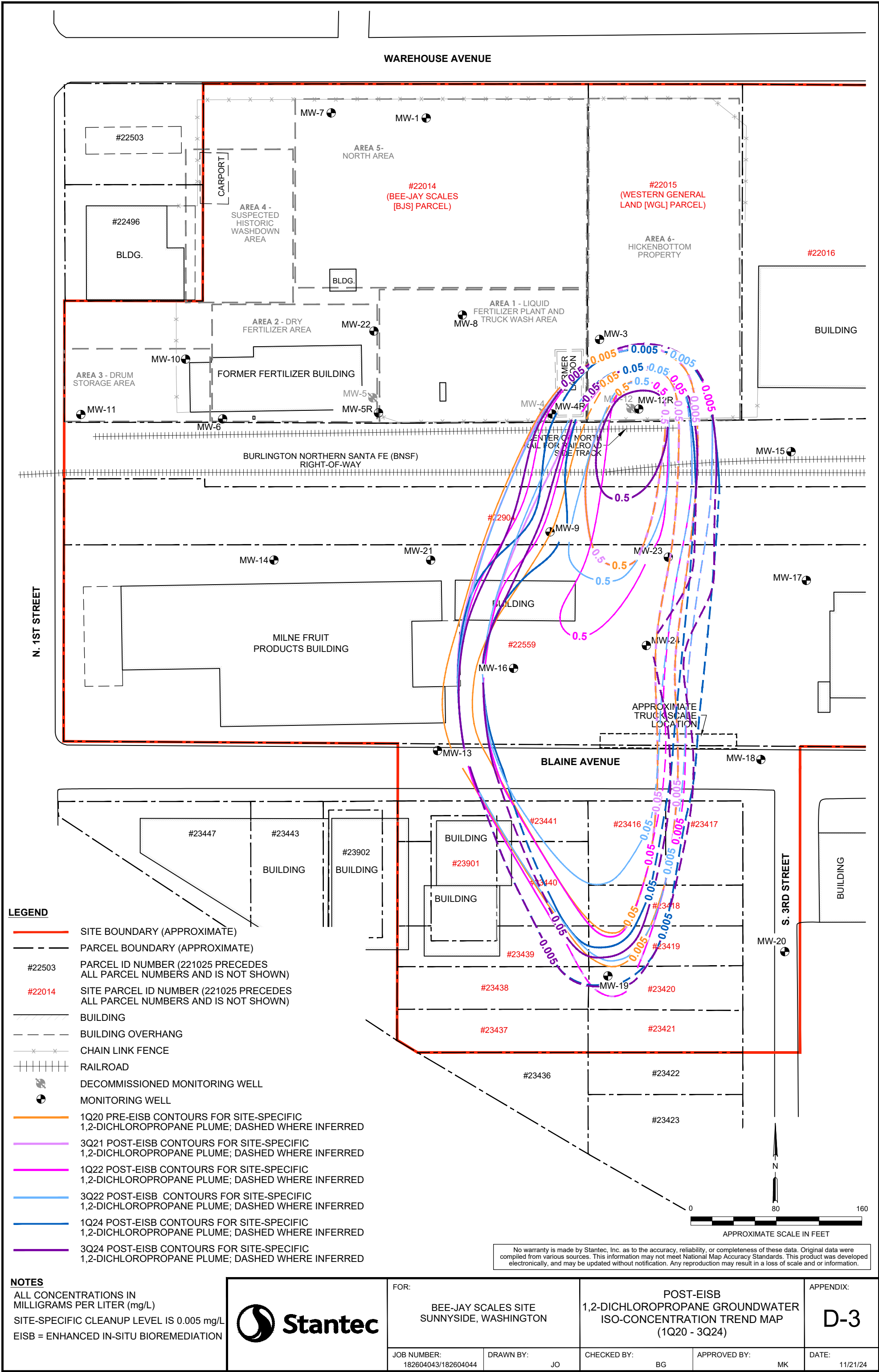
RPD = relative percent difference

mg/L = milligrams per liter

U = compound was not detected above MDL

APPENDIX D

Post-EISB Groundwater Iso-Concentration Trend Maps



APPENDIX E

Third 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*

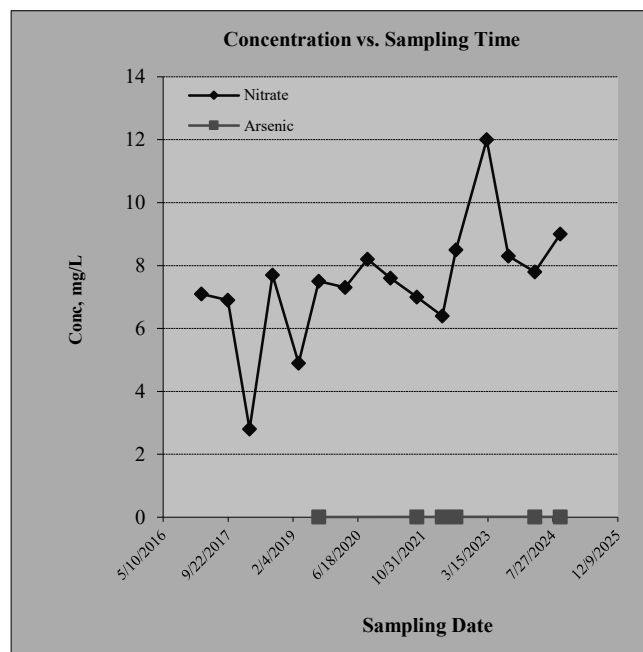
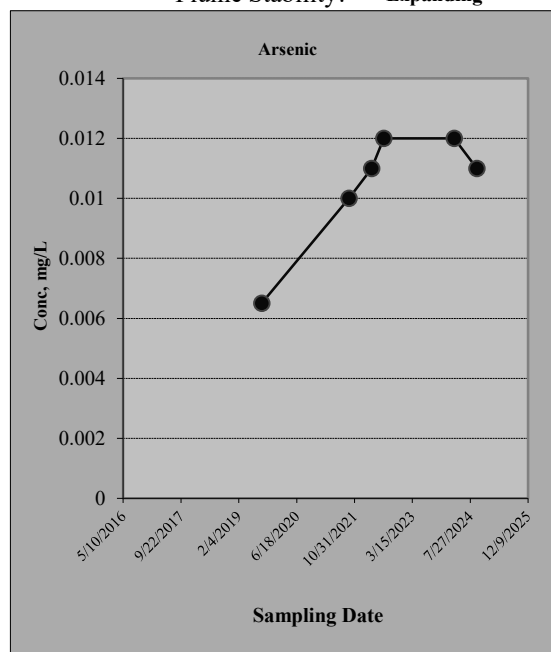
Additional Description:

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	Nitrate	Arsenic				
#1	2/28/2017	7.1					
#2	9/19/2017	6.9					
#3	3/6/2018	2.8					
#4	8/30/2018	7.7					
#5	3/19/2019	4.9					
#6	8/20/2019	7.5	0.0065				
#7	3/10/2020	7.3					
#8	8/31/2020	8.2					
#9	2/23/2021	7.6					
#10	9/14/2021	7	0.01				
#11	3/28/2022	6.4	0.011				
#12	7/11/2022	8.5	0.012				
#13	3/6/2023	12					
#14	8/21/2023	8.3					
#15	3/11/2024	7.8	0.012				
#16	9/23/2024	9	0.011				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	99.40%	93.20%	NA	NA	NA	NA
Plume Stability?	<i>Expanding</i>	<i>Expanding</i>	NA	NA	NA	NA
Coefficient of Variation?			n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	56	9	0	0	0	0
Number of Sampling Rounds?	16	6	0	0	0	0
Average Concentration?	7.44	0.01	NA	NA	NA	NA
Standard Deviation?	1.92	0.00	NA	NA	NA	NA
Coefficient of Variation?	0.26	0.20	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? **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*

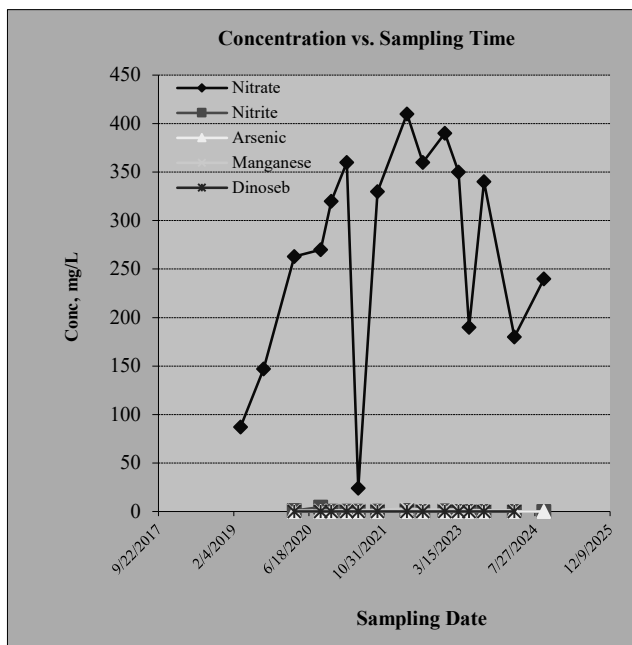
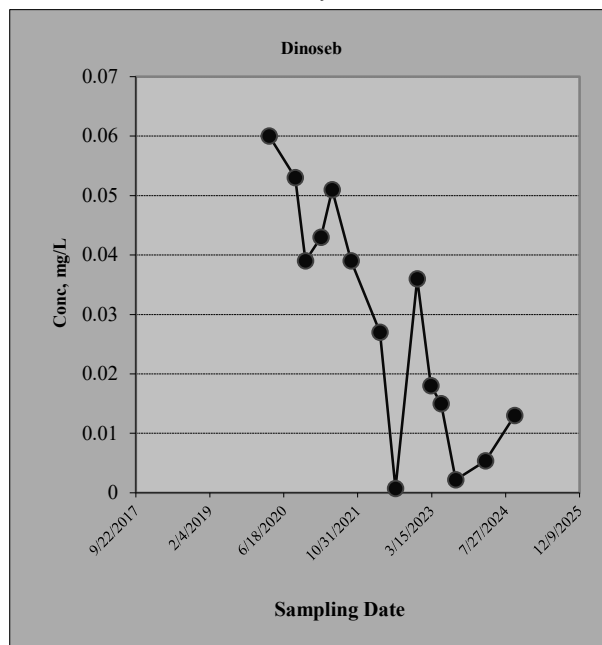
Additional Description:

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	Nitrite	Arsenic	Manganese	Dinoseb	
#1	3/21/2019	87.2					
#2	8/22/2019	147					
#3	3/12/2020	263	1	0.0096	1.04	0.06	
#4	9/3/2020	270	4.6	0.011	0.91	0.053	
#5	11/12/2020	320	0.49	0.0093	0.95	0.039	
#6	2/25/2021	360	0.41	0.0081	1.5	0.043	
#7	5/12/2021	24	0.49	0.0093	1.5	0.051	
#8	9/17/2021	330	0.5	0.008	1.6	0.039	
#9	3/31/2022	410	0.87	0.007	3.2	0.027	
#10	7/14/2022	360	0.025	0.0064	2.1	0.00075	
#11	12/8/2022	390	0.77	0.0096	1.9	0.036	
#12	3/9/2023	350	0.017	0.0064	2.3	0.018	
#13	5/18/2023	190	0.16	0.0071	1.6	0.015	
#14	8/24/2023	340	0.0075	0.0085	1.4	0.0022	
#15	3/14/2024	180	0.015	0.0073	1.3	0.0054	
#16	9/26/2024	240	0.033	0.0096	1.1	0.013	

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Nitrite	Arsenic	Manganese	Dinoseb	
Confidence Level Calculated?	82.50%	99.50%	88.30%	77.50%	100.00%	NA
Plume Stability?	Stable	Shrinking	Shrinking	Stable	Shrinking	NA
Coefficient of Variation?	CV <= 1			CV <= 1		n<4
Mann-Kendall Statistic "S" value?	23	-48	-24	15	-64	0
Number of Sampling Rounds?	16	14	14	14	14	0
Average Concentration?	266.33	0.67	0.01	1.60	0.03	NA
Standard Deviation?	113.11	1.18	0.00	0.62	0.02	NA
Coefficient of Variation?	0.42	1.76	0.17	0.39	0.69	NA
Blank if No Errors found						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*

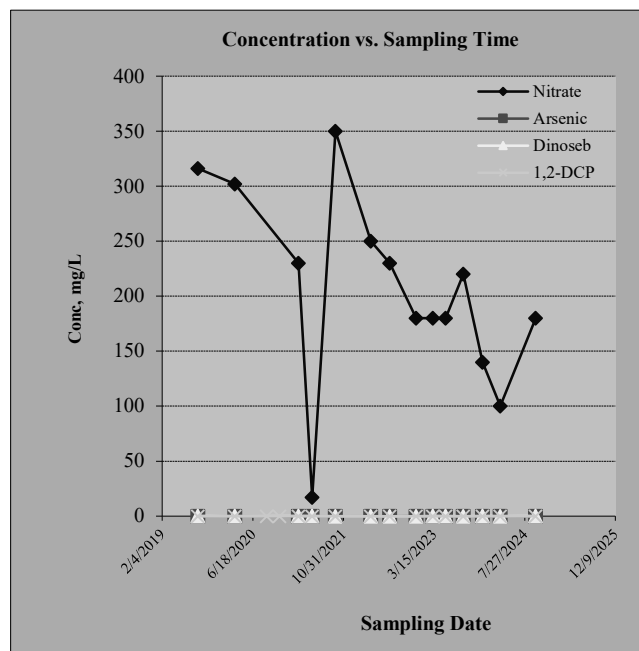
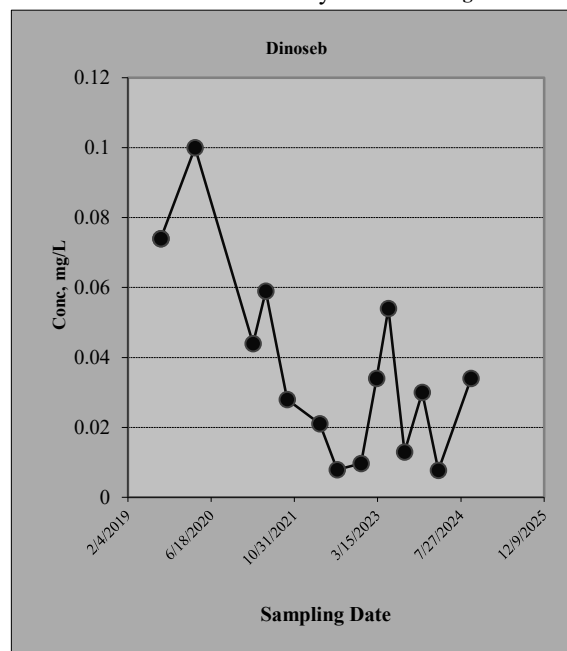
Additional Description:

Well (Sampling) Location? **MW-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	1,2-DCP		
#1	8/20/2019	316	0.0147	0.074	0.007		
#2	3/12/2020	302	0.0169	0.1	0.006		
#3	9/3/2020				0.0064		
#4	11/12/2020				0.0062		
#5	2/25/2021	230	0.011	0.044	0.0048		
#6	5/12/2021	17	0.0099	0.059	0.0065		
#7	9/17/2021	350	0.012	0.028	0.0097		
#8	4/1/2022	250	0.01	0.021	0.006		
#9	7/14/2022	230	0.012	0.0079	0.0065		
#10	12/6/2022	180	0.0098	0.0097	0.0056		
#11	3/9/2023	180	0.012	0.034	0.0057		
#12	5/18/2023	180	0.011	0.054	0.006		
#13	8/24/2023	220	0.012	0.013	0.0072		
#14	12/7/2023	140	0.012	0.03	0.0068		
#15	3/14/2024	100	0.016	0.0077	0.0049		
#16	9/26/2024	180	0.013	0.034	0.0067		

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic	Dinoseb	1,2-DCP		
Confidence Level Calculated?	99.30%	66.60%	96.90%	51.80%	NA	NA
Plume Stability?	Shrinking	Stable	Shrinking	Stable	NA	NA
Coefficient of Variation?		CV <= 1		CV <= 1	n<4	n<4
Mann-Kendall Statistic "S" value?	-46	10	-36	-2	0	0
Number of Sampling Rounds?	14	14	14	16	0	0
Average Concentration?	205.36	0.01	0.04	0.01	NA	NA
Standard Deviation?	87.42	0.00	0.03	0.00	NA	NA
Coefficient of Variation?	0.43	0.18	0.74	0.17	NA	NA
Blank if No Errors found					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*

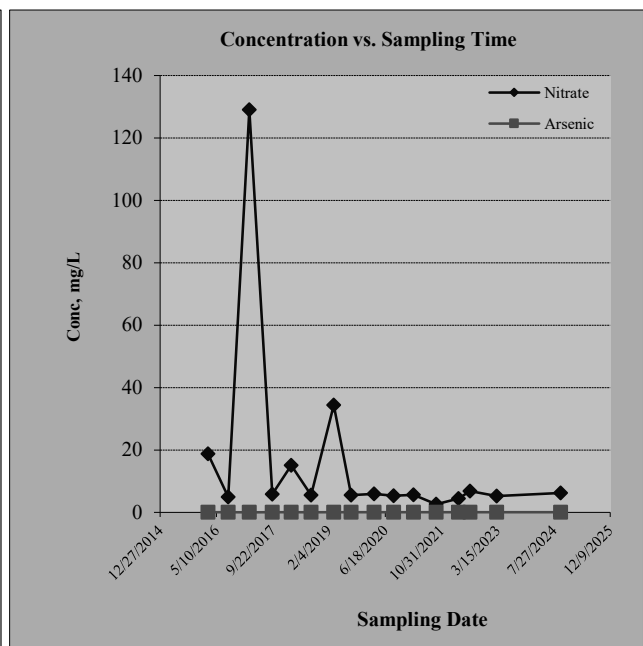
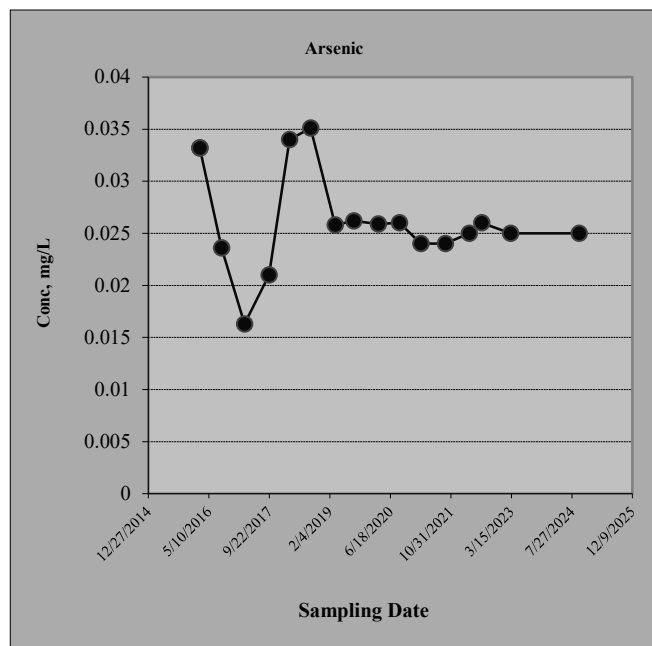
Additional Description:

Well (Sampling) Location? **MW-6**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	2/25/2016	18.8	0.0332				
#2	8/24/2016	4.9	0.0236				
#3	2/28/2017	129	0.0163				
#4	9/20/2017	5.8	0.021				
#5	3/7/2018	15.1	0.034				
#6	8/30/2018	5.5	0.0351				
#7	3/20/2019	34.4	0.0258				
#8	8/20/2019	5.5	0.0262				
#9	3/11/2020	5.9	0.0259				
#10	9/2/2020	5.3	0.026				
#11	2/24/2021	5.6	0.024				
#12	9/15/2021	2.6	0.024				
#13	4/1/2022	4.4	0.025				
#14	7/12/2022	6.8	0.026				
#15	3/7/2023	5.2	0.025				
#16	9/25/2024	6.2	0.025				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	90.30%	55.30%	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?	-31	-5	0	0	0	0
Number of Sampling Rounds?	16	16	0	0	0	0
Average Concentration?	16.31	0.03	NA	NA	NA	NA
Standard Deviation?	31.09	0.00	NA	NA	NA	NA
Coefficient of Variation?	1.91	0.18	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*

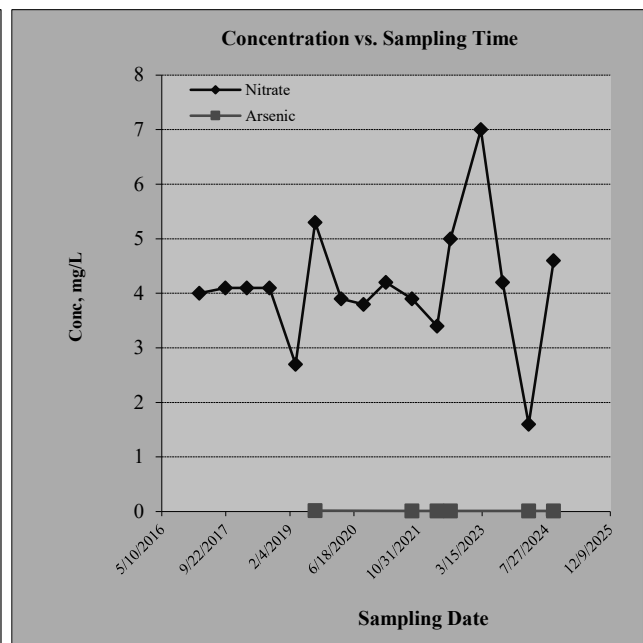
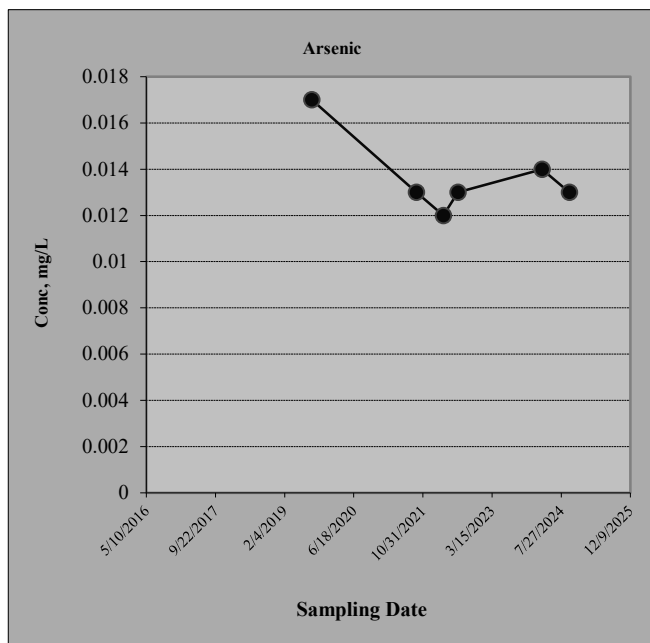
Additional Description:

Well (Sampling) Location? **MW-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	Nitrate	Arsenic				
#1	2/28/2017	4					
#2	9/19/2017	4.1					
#3	3/6/2018	4.1					
#4	8/28/2018	4.1					
#5	3/19/2019	2.7					
#6	8/20/2019	5.3	0.017				
#7	3/10/2020	3.9					
#8	8/31/2020	3.8					
#9	2/23/2021	4.2					
#10	9/14/2021	3.9	0.013				
#11	3/28/2022	3.4	0.012				
#12	7/11/2022	5	0.013				
#13	3/6/2023	7					
#14	8/21/2023	4.2					
#15	3/11/2024	1.6	0.014				
#16	9/23/2024	4.6	0.013				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	65.50%	50.00%	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?	11	-2	0	0	0	0
Number of Sampling Rounds?	16	6	0	0	0	0
Average Concentration?	4.12	0.01	NA	NA	NA	NA
Standard Deviation?	1.15	0.00	NA	NA	NA	NA
Coefficient of Variation?	0.28	0.13	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: *110 N. 1st Street, Sunnyside, WA*

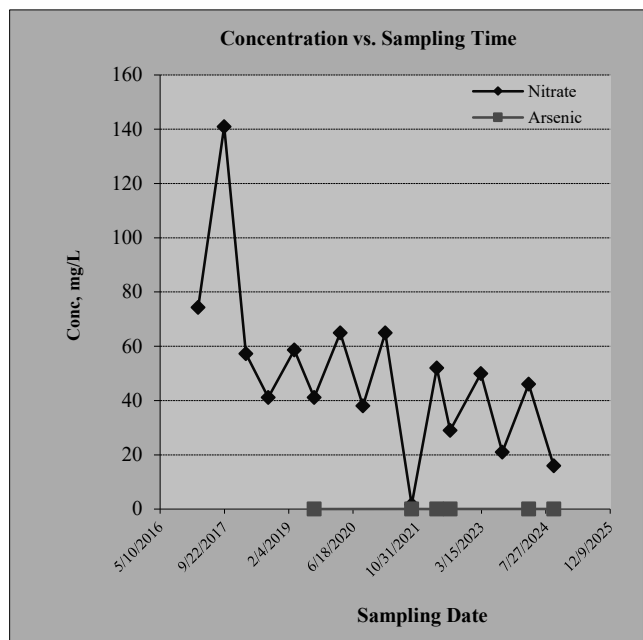
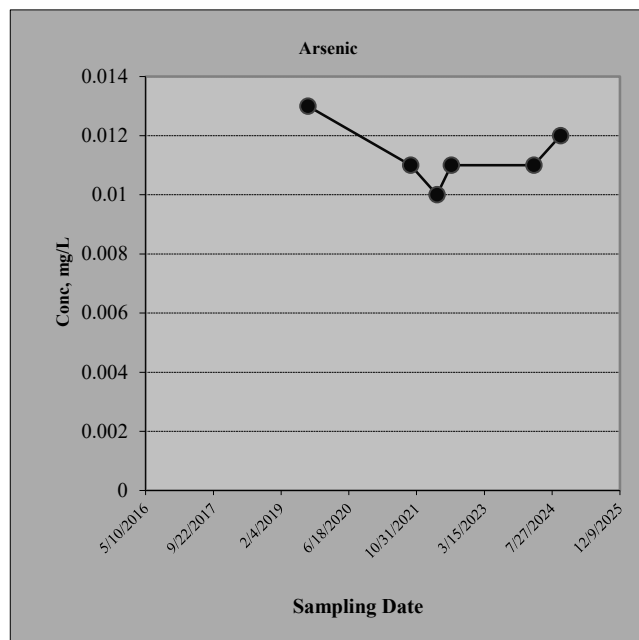
Additional Description:

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	3/2/2017	74.3					
#2	9/21/2017	141					
#3	3/8/2018	57.3					
#4	8/29/2018	41.1					
#5	3/20/2019	58.7					
#6	8/21/2019	41.1	0.013				
#7	3/11/2020	64.9					
#8	9/3/2020	38					
#9	2/25/2021	65					
#10	9/17/2021	1.6	0.011				
#11	3/31/2022	52	0.01				
#12	7/14/2022	29	0.011				
#13	3/9/2023	50					
#14	8/24/2023	21					
#15	3/14/2024	46	0.011				
#16	9/26/2024	16	0.012				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	99.40%	-500.00%	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?	-57	0	0	0	0	0
Number of Sampling Rounds?	16	6	0	0	0	0
Average Concentration?	49.81	0.01	NA	NA	NA	NA
Standard Deviation?	31.14	0.00	NA	NA	NA	NA
Coefficient of Variation?	0.63	0.09	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*

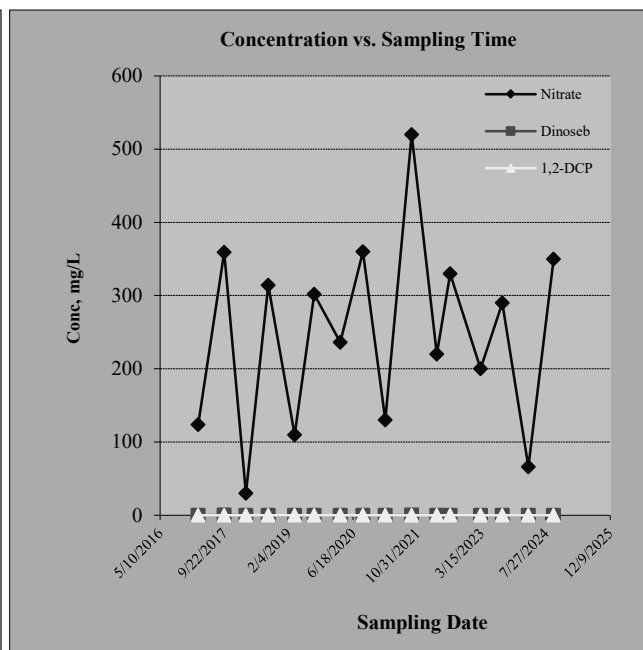
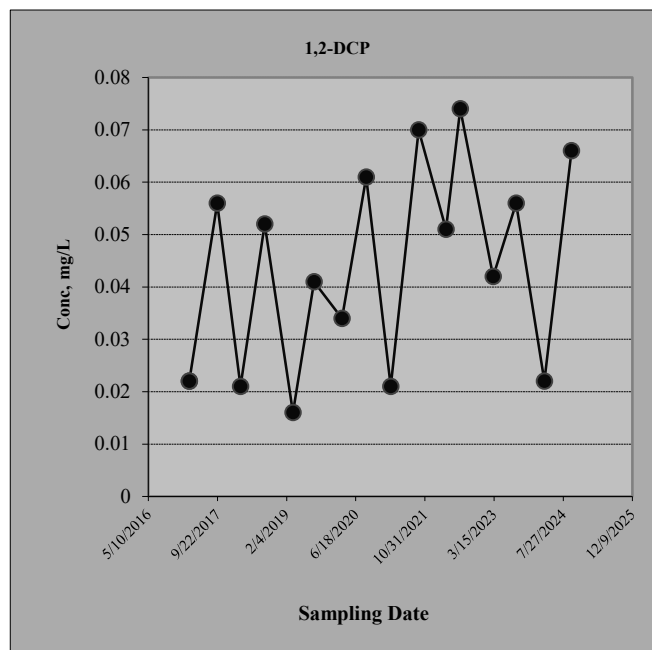
Additional Description:

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	Dinoseb	1,2-DCP			
#1	3/2/2017	124	0.068	0.022			
#2	9/20/2017	359	0.31	0.056			
#3	3/7/2018	30	0.0099	0.021			
#4	8/29/2018	314	0.1	0.052			
#5	3/21/2019	110	0.046	0.016			
#6	8/21/2019	302	0.076	0.041			
#7	3/11/2020	236	0.041	0.034			
#8	9/2/2020	360	0.1	0.061			
#9	2/25/2021	130	0.031	0.021			
#10	9/16/2021	520	0.2	0.07			
#11	4/1/2022	220	0.085	0.051			
#12	7/13/2022	330	0.006	0.074			
#13	3/8/2023	200	0.00016	0.042			
#14	8/22/2023	290	0.031	0.056			
#15	3/13/2024	66	0.00045	0.022			
#16	9/25/2024	350	0.16	0.066			

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Dinoseb	1,2-DCP			
Confidence Level Calculated?	65.50%	88.60%	90.30%	NA	NA	NA
Plume Stability?	Stable	Shrinking	<i>Expanding</i>	NA	NA	NA
Coefficient of Variation?	CV <= 1			n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	10	-28	31	0	0	0
Number of Sampling Rounds?	16	16	16	0	0	0
Average Concentration?	246.31	0.08	0.04	NA	NA	NA
Standard Deviation?	130.94	0.08	0.02	NA	NA	NA
Coefficient of Variation?	0.53	1.06	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? **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*

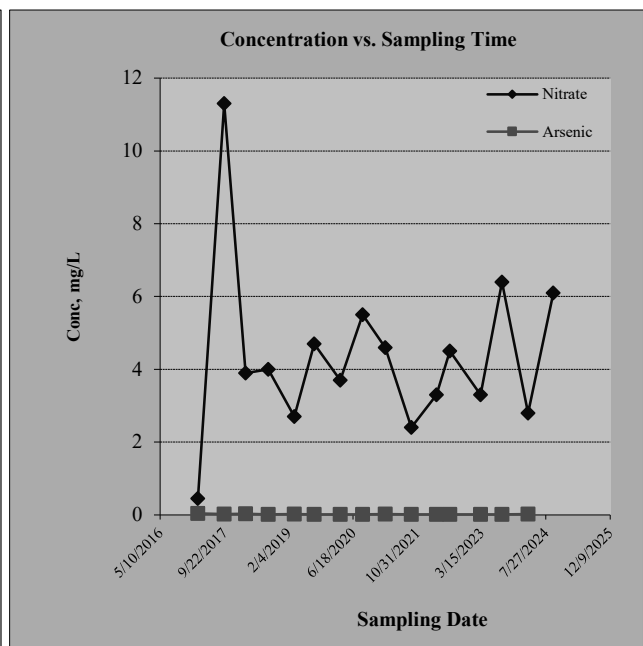
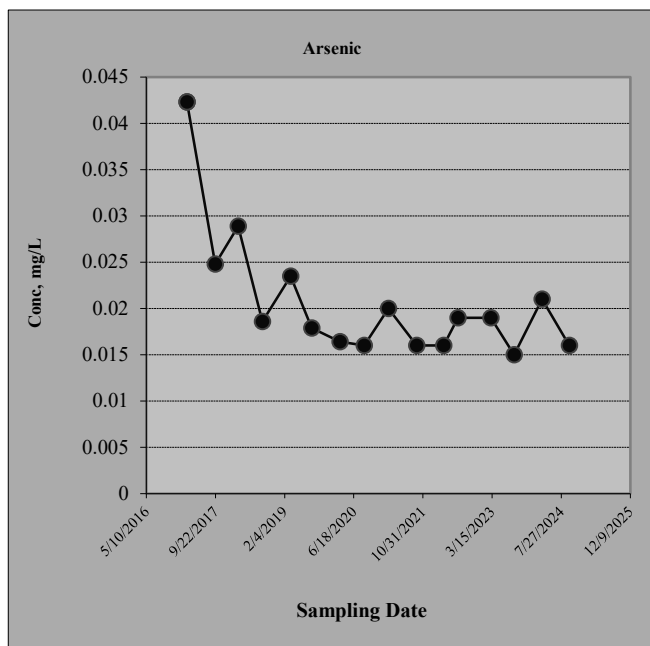
Additional Description:

Well (Sampling) Location? **MW-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	Nitrate	Arsenic				
#1	2/28/2017	0.45	0.0423				
#2	9/19/2017	11.3	0.0248				
#3	3/6/2018	3.9	0.0289				
#4	8/28/2018	4	0.0186				
#5	3/20/2019	2.7	0.0235				
#6	8/20/2019	4.7	0.0179				
#7	3/10/2020	3.7	0.0164				
#8	9/1/2020	5.5	0.016				
#9	2/23/2021	4.6	0.02				
#10	9/15/2021	2.4	0.016				
#11	3/29/2022	3.3	0.016				
#12	7/12/2022	4.5	0.019				
#13	3/6/2023	3.3	0.019				
#14	8/21/2023	6.4	0.015				
#15	3/11/2024	2.8	0.021				
#16	9/23/2024	6.1	0.016				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	62.20%	99.20%	NA	NA	NA	NA
Plume Stability?	Stable	Shrinking	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1		n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	9	-55	0	0	0	0
Number of Sampling Rounds?	16	16	0	0	0	0
Average Concentration?	4.35	0.02	NA	NA	NA	NA
Standard Deviation?	2.37	0.01	NA	NA	NA	NA
Coefficient of Variation?	0.54	0.33	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? **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	Nitrate	Arsenic	Manganese			
#1	3/1/2017	8.7	0.0439				
#2	9/20/2017	32.5	0.0478				
#3	3/7/2018	6.2	0.0564				
#4	8/28/2018	6.3	0.0421				
#5	3/20/2019	5.8	0.0441				
#6	8/20/2019	6.5	0.0481				
#7	3/11/2020	2.6	0.04				
#8	9/1/2020	6	0.034				
#9	2/24/2021	5.6	0.043				
#10	9/15/2021	2.4	0.019	5.3			
#11	3/28/2022	4.6	0.029	0.041			
#12	7/12/2022	6.1	0.038	0.83			
#13	3/7/2023	4.8	0.034				
#14	8/21/2023	5.4	0.031				
#15	3/12/2024	5.4	0.029	0.57			
#16	9/23/2024	5.4	0.023	3.2			

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic	Manganese			
Confidence Level Calculated?	99.20%	100.00%	40.80%	NA	NA	NA
Plume Stability?	Shrinking	Shrinking	Undetermined	NA	NA	NA
Coefficient of Variation?			CV > 1	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-55	-74	0	0	0	0
Number of Sampling Rounds?	16	16	5	0	0	0
Average Concentration?	7.14	0.04	1.99	NA	NA	NA
Standard Deviation?	6.92	0.01	2.21	NA	NA	NA
Coefficient of Variation?	0.97	0.26	1.11	NA	NA	NA
Blank if No Errors found				n<4	n<4	n<4

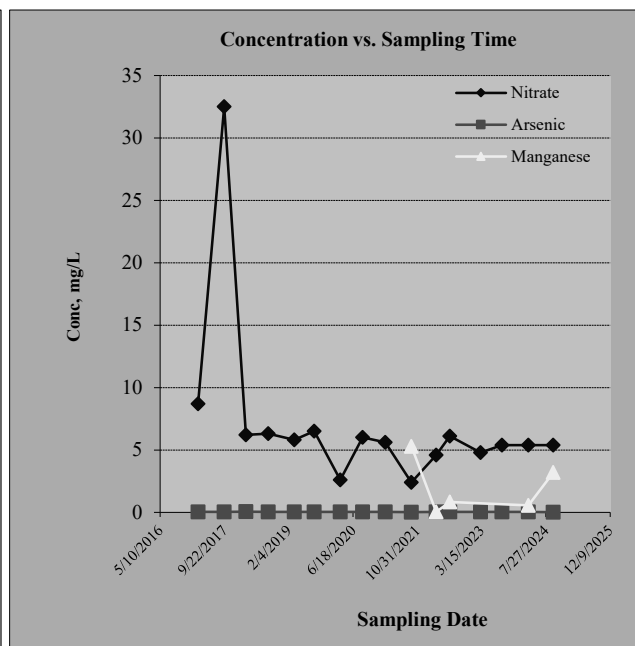
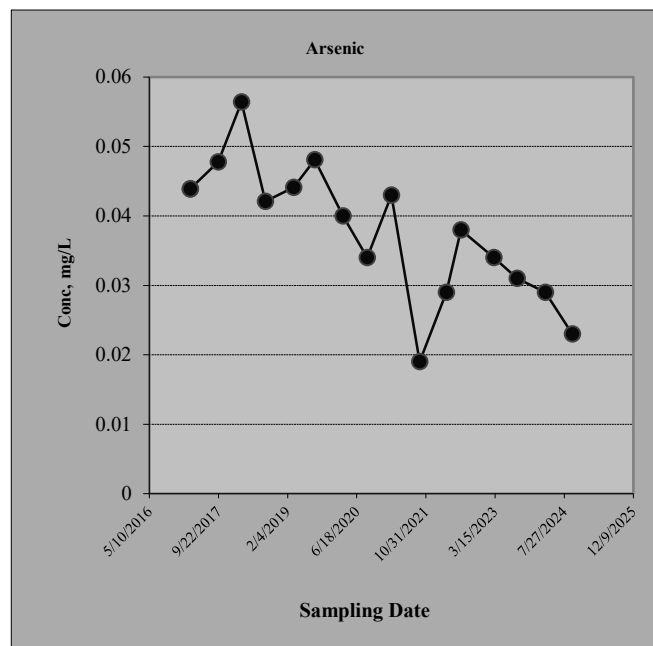
3. Temporal Trend: Plot of Concentration vs. Sampling Time

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*

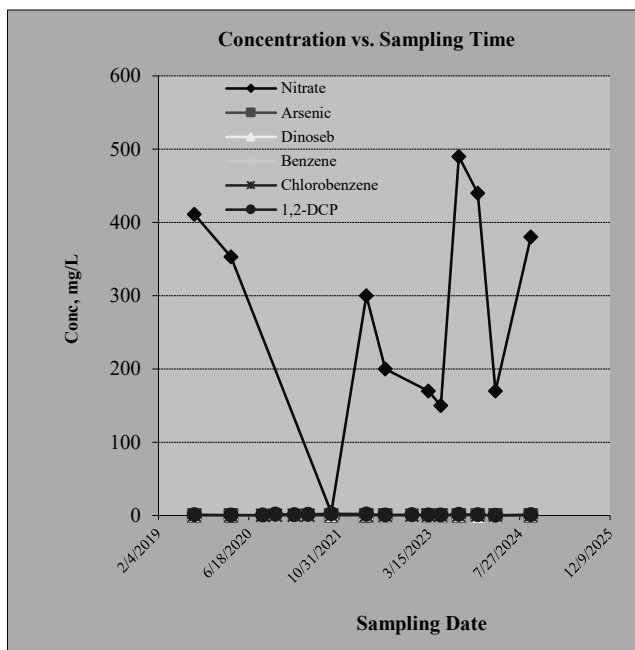
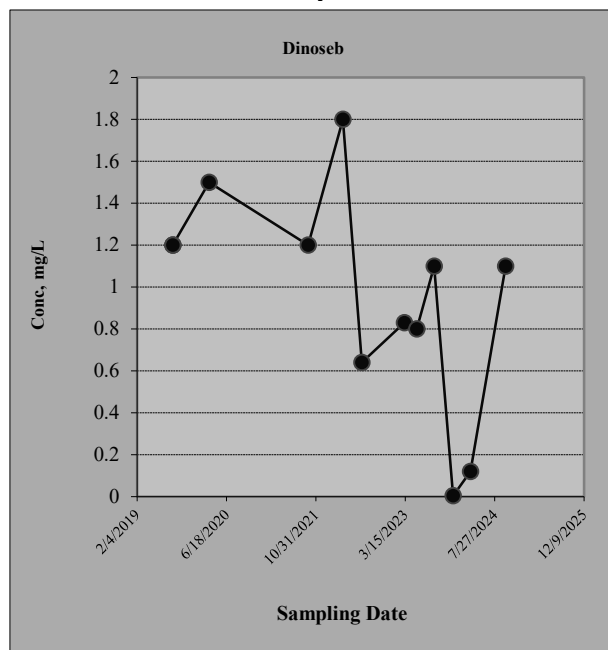
Additional Description:

Well (Sampling) Location? **MW-12R**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Nitrate	Arsenic	Dinoseb	Benzene	Chlorobenzene	1,2-DCP
#1	8/22/2019	411	0.0687	1.2	0.014	0.16	1.3
#2	3/12/2020	353	0.064	1.5	0.01	0.18	0.75
#3	9/3/2020				0.011	0.14	0.89
#4	11/12/2020				0.02	0.22	1.8
#5	2/25/2021				0.015	0.17	1.2
#6	5/12/2021				0.014	0.17	1.4
#7	9/17/2021	4	0.0039	1.2	0.026	0.29	2.3
#8	3/31/2022	300	0.011	1.8	0.022	0.29	1.9
#9	7/14/2022	200	0.064	0.64	0.011	0.16	0.76
#10	12/8/2022				0.013	0.22	1.1
#11	3/9/2023	170	0.027	0.83	0.0075	0.14	0.61
#12	5/18/2023	150	0.02	0.8	0.0073	0.13	0.55
#13	8/24/2023	490	0.012	1.1	0.02	0.29	1.4
#14	12/7/2023	440	0.011	0.0039	0.017	0.27	1.1
#15	3/14/2024	170	0.016	0.12	0.0056	0.12	0.37
#16	9/26/2024	380	0.01	1.1	0.014	0.2	1.3

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic	Dinoseb	Benzene	Chlorobenzene	1,2-DCP
Confidence Level Calculated?	-1000.00%	95.70%	95.70%	71.80%	48.20%	80.10%
Plume Stability?	Stable	Shrinking	Shrinking	Stable	Stable	Stable
Coefficient of Variation?	CV <= 1			CV <= 1	CV <= 1	CV <= 1
Mann-Kendall Statistic "S" value?	0	-23	-23	-15	-1	-21
Number of Sampling Rounds?	11	11	11	16	16	16
Average Concentration?	278.91	0.03	0.94	0.01	0.20	1.17
Standard Deviation?	150.42	0.02	0.54	0.01	0.06	0.52
Coefficient of Variation?	0.54	0.89	0.58	0.40	0.30	0.45
Blank if No Errors found						

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*

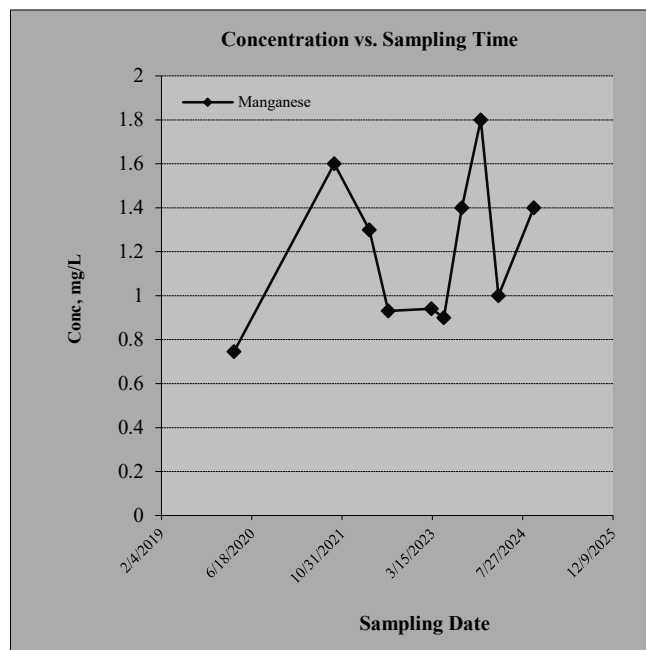
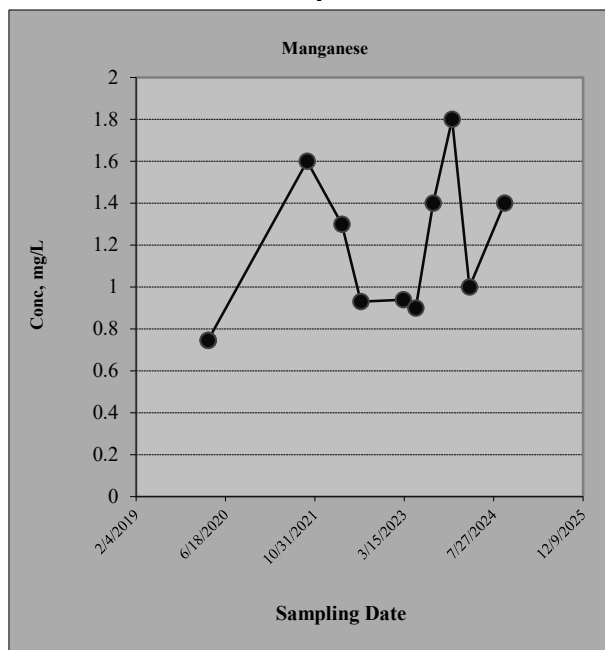
Additional Description:

Well (Sampling) Location? **MW-12R**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	Manganese					
#1	3/12/2020	0.746					
#2	9/3/2020						
#3	11/12/2020						
#4	2/25/2021						
#5	5/12/2021						
#6	9/17/2021	1.6					
#7	3/31/2022	1.3					
#8	7/14/2022	0.93					
#9	12/8/2022						
#10	3/9/2023	0.94					
#11	5/18/2023	0.9					
#12	8/24/2023	1.4					
#13	12/7/2023	1.8					
#14	3/14/2024	1					
#15	9/26/2024	1.4					
#16							

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Manganese					
Confidence Level Calculated?	81.00%	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?	12	0	0	0	0	0
Number of Sampling Rounds?	10	0	0	0	0	0
Average Concentration?	1.20	NA	NA	NA	NA	NA
Standard Deviation?	0.35	NA	NA	NA	NA	NA
Coefficient of Variation?	0.29	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? **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*

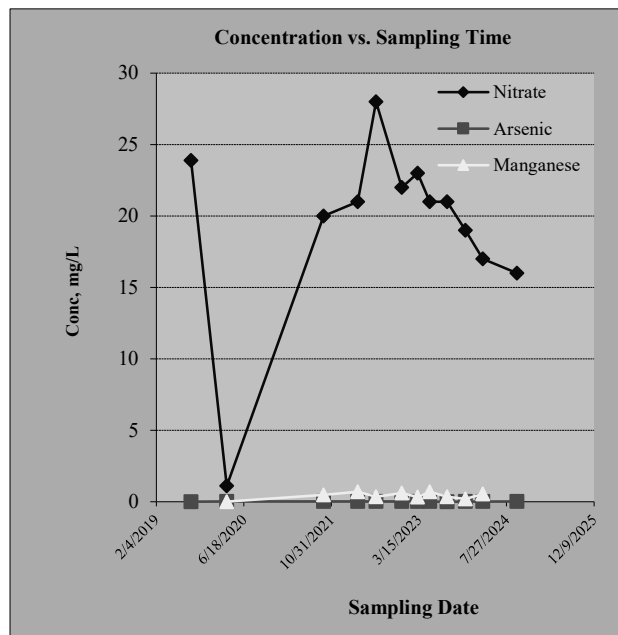
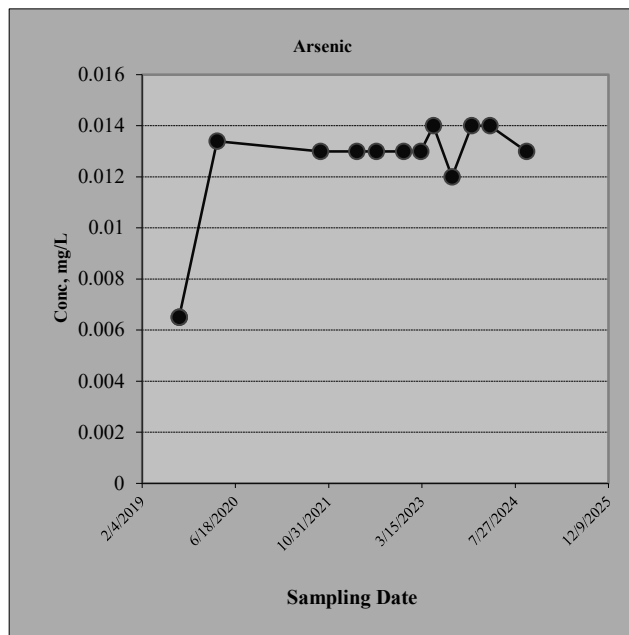
Additional Description:

Well (Sampling) Location? **MW-13**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	Manganese			
#1	8/21/2019	23.9	0.0065				
#2	3/12/2020	1.1	0.0134	0.009			
#3	9/2/2020						
#4	11/11/2020						
#5	2/24/2021						
#6	5/11/2021						
#7	9/16/2021	20	0.013	0.48			
#8	3/30/2022	21	0.013	0.7			
#9	7/13/2022	28	0.013	0.34			
#10	12/7/2022	22	0.013	0.61			
#11	3/8/2023	23	0.013	0.33			
#12	5/16/2023	21	0.014	0.7			
#13	8/23/2023	21	0.012	0.34			
#14	12/6/2023	19	0.014	0.2			
#15	3/13/2024	17	0.014	0.55			
#16	9/25/2024	16	0.013	0.92			

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic	Manganese			
Confidence Level Calculated?	90.20%	84.50%	77.70%	NA	NA	NA
Plume Stability?	Shrinking	Stable	Stable	NA	NA	NA
Coefficient of Variation?		CV <= 1	CV <= 1	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-21	16	11	0	0	0
Number of Sampling Rounds?	12	12	11	0	0	0
Average Concentration?	19.42	0.01	0.47	NA	NA	NA
Standard Deviation?	6.57	0.00	0.26	NA	NA	NA
Coefficient of Variation?	0.34	0.16	0.55	NA	NA	NA
Blank if No Errors found				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*

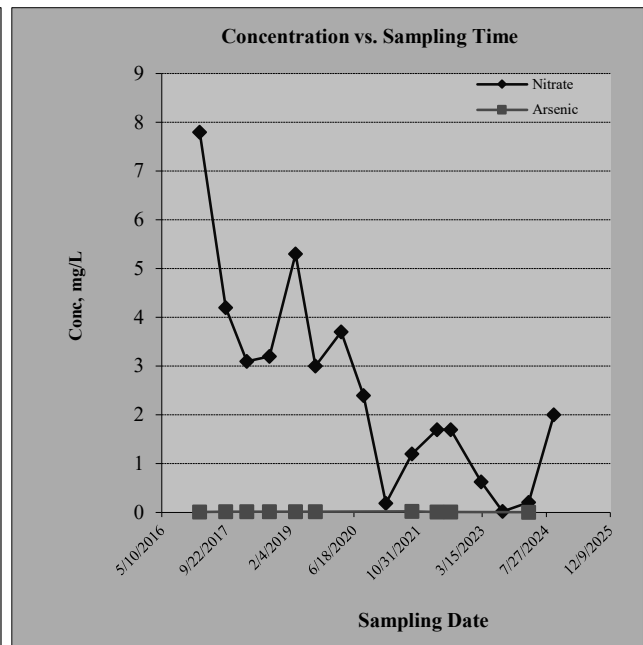
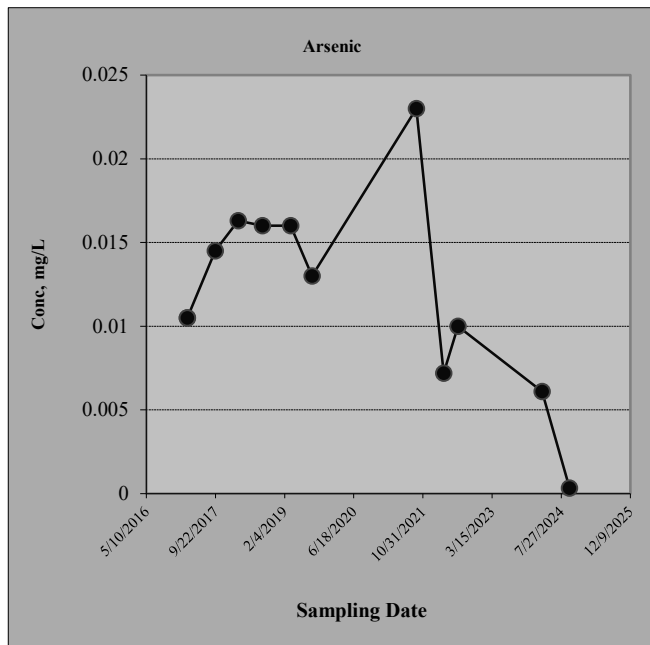
Additional Description:

Well (Sampling) Location? **MW-14**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	3/2/2017	7.8	0.0105				
#2	9/20/2017	4.2	0.0145				
#3	3/6/2018	3.1	0.0163				
#4	8/28/2018	3.2	0.016				
#5	3/20/2019	5.3	0.016				
#6	8/22/2019	3	0.013				
#7	3/11/2020	3.7					
#8	9/1/2020	2.4					
#9	2/23/2021	0.19					
#10	9/14/2021	1.2	0.023				
#11	3/29/2022	1.7	0.0072				
#12	7/12/2022	1.7	0.01				
#13	3/7/2023	0.63					
#14	8/22/2023	0.02					
#15	3/11/2024	0.21	0.0061				
#16	9/25/2024	2	0.00034				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	100.00%	95.70%	NA	NA	NA	NA
Plume Stability?	Shrinking	Shrinking	NA	NA	NA	NA
Coefficient of Variation?			n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-75	-24	0	0	0	0
Number of Sampling Rounds?	16	11	0	0	0	0
Average Concentration?	2.52	0.01	NA	NA	NA	NA
Standard Deviation?	2.08	0.01	NA	NA	NA	NA
Coefficient of Variation?	0.82	0.51	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? **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-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	Nitrate	Arsenic				
#1	3/1/2017	4	0.0129				
#2	9/19/2017	4.1	0.0171				
#3	3/6/2018	4.1	0.0227				
#4	8/30/2018	4.2	0.0223				
#5	3/20/2019	3.5	0.008				
#6	8/20/2019	3.5	0.0141				
#7	3/10/2020	3.5	0.0149				
#8	9/1/2020	3.4	0.014				
#9	2/23/2021	4	0.015				
#10	9/14/2021	3.3	0.015				
#11	3/30/2022	3.4	0.015				
#12	7/12/2022	3.6	0.015				
#13	3/7/2023	3.7	0.015				
#14	8/22/2023	3.6	0.014				
#15	3/11/2024	3.9	0.014				
#16	9/23/2024	12	0.015				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	58.80%	58.80%	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?	-7	-6	0	0	0	0
Number of Sampling Rounds?	16	16	0	0	0	0
Average Concentration?	4.24	0.02	NA	NA	NA	NA
Standard Deviation?	2.09	0.00	NA	NA	NA	NA
Coefficient of Variation?	0.49	0.22	NA	NA	NA	NA
Blank if No Errors found			n<4	n<4	n<4	n<4

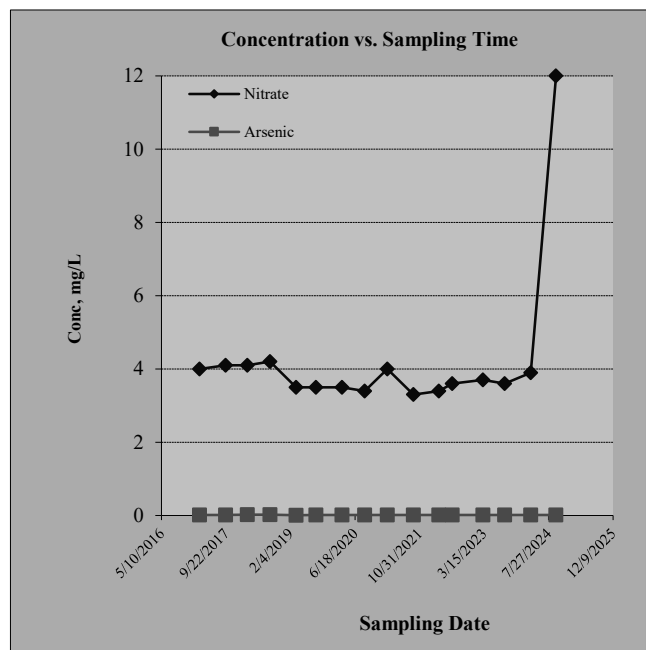
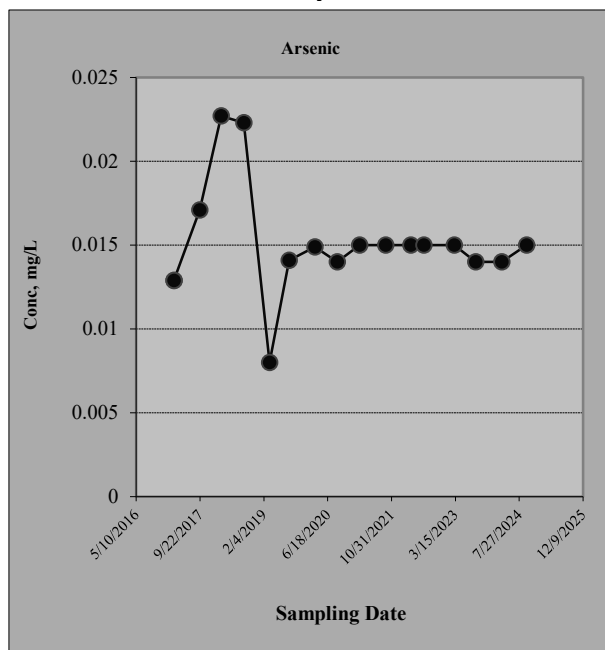
3. Temporal Trend: Plot of Concentration vs. Sampling Time

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*

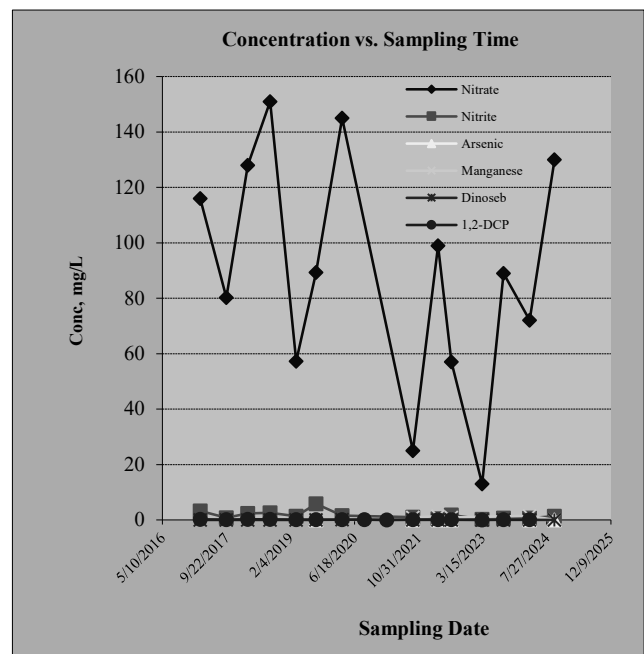
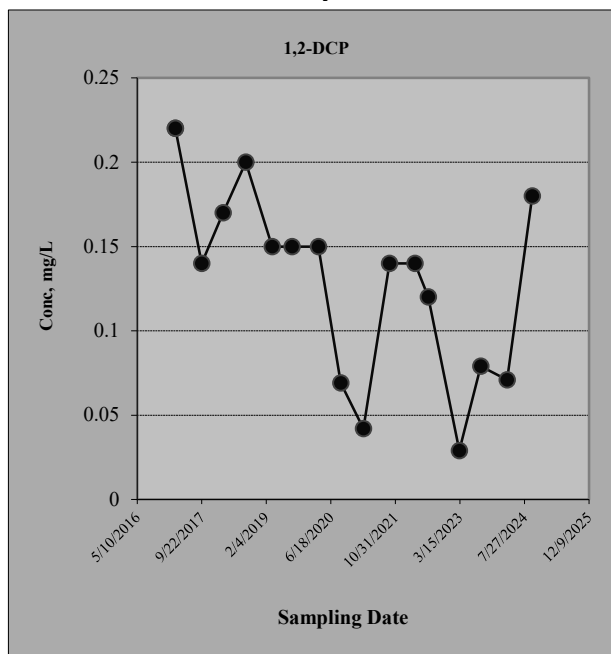
Additional Description:

Well (Sampling) Location? **MW-16**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

Sampling Event	Date Sampled	Hazardous Substances (unit is mg/L)					
		Nitrate	Nitrite	Arsenic	Manganese	Dinoseb	1,2-DCP
#1	3/1/2017	116	3.3			0.0028	0.22
#2	9/20/2017	80.2	0.83			0.0061	0.14
#3	3/7/2018	128	2.4			0.014	0.17
#4	8/29/2018	151	2.6			0.021	0.2
#5	3/20/2019	57.3	1.3			0.015	0.15
#6	8/21/2019	89.3	5.8	0.013		0.018	0.15
#7	3/13/2020	145	1.6			0.054	0.15
#8	9/2/2020						0.069
#9	2/25/2021						0.042
#10	9/16/2021	25	0.98	0.022	0.92	0.0097	0.14
#11	3/30/2022	99	0.4	0.0061	1.3	0.031	0.14
#12	7/13/2022	57	1.8	0.019	0.84	0.0042	0.12
#13	3/9/2023	13	0.22			0.0064	0.029
#14	8/23/2023	89	0.71			0.0092	0.079
#15	3/14/2024	72	0.69	0.0061	1.5	0.019	0.071
#16	9/25/2024	130	1.3	0.00034	0.000475	0.045	0.18

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Nitrite	Arsenic	Manganese	Dinoseb	1,2-DCP
Confidence Level Calculated?	80.60%	96.90%	86.40%	59.20%	88.30%	99.00%
Plume Stability?	Stable	Shrinking	Shrinking	Stable	Expanding	Shrinking
Coefficient of Variation?	CV <= 1			CV <= 1		
Mann-Kendall Statistic "S" value?	-17	-36	-8	-2	23	-52
Number of Sampling Rounds?	14	14	6	5	14	16
Average Concentration?	89.41	1.71	0.01	0.91	0.02	0.13
Standard Deviation?	42.31	1.47	0.01	0.58	0.02	0.06
Coefficient of Variation?	0.47	0.86	0.76	0.63	0.84	0.43
Blank if No Errors found						

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*

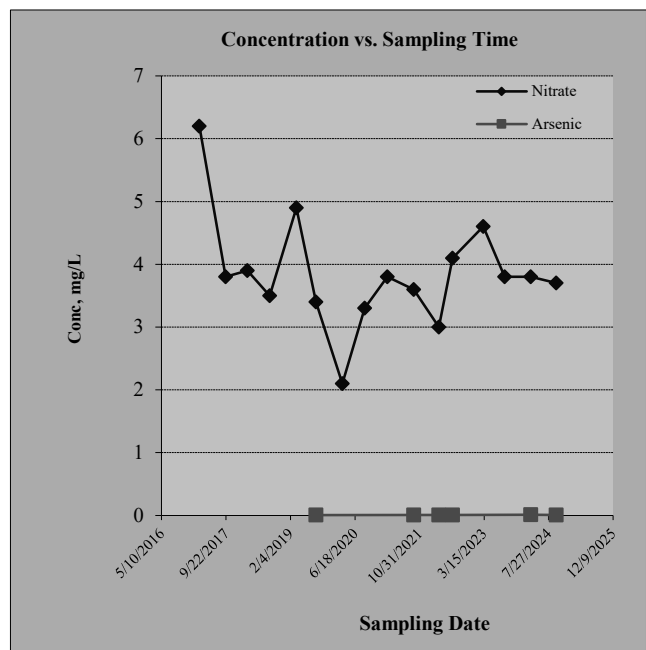
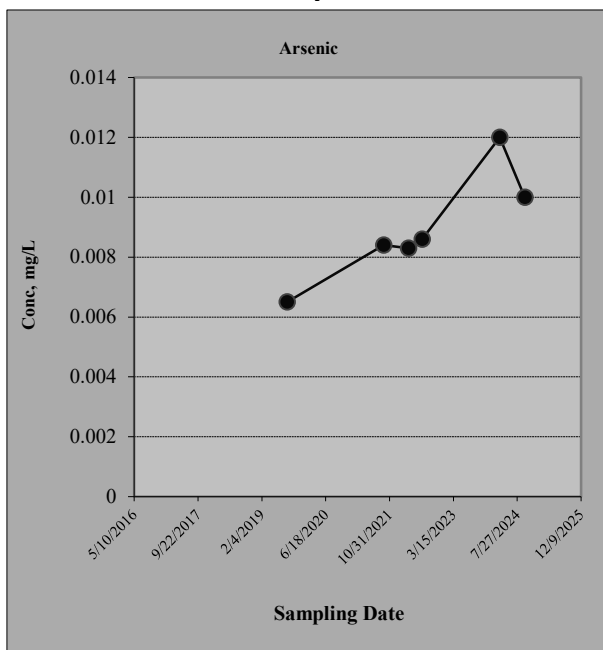
Additional Description:

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	Nitrate	Arsenic				
#1	2/28/2017	6.2					
#2	9/19/2017	3.8					
#3	3/7/2018	3.9					
#4	8/28/2018	3.5					
#5	3/21/2019	4.9					
#6	8/21/2019	3.4	0.0065				
#7	3/11/2020	2.1					
#8	9/1/2020	3.3					
#9	2/24/2021	3.8					
#10	9/16/2021	3.6	0.0084				
#11	3/29/2022	3	0.0083				
#12	7/13/2022	4.1	0.0086				
#13	3/8/2023	4.6					
#14	8/22/2023	3.8					
#15	3/12/2024	3.8	0.012				
#16	9/24/2024	3.7	0.01				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	68.70%	97.20%	NA	NA	NA	NA
Plume Stability?	Stable	<i>Expanding</i>	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1		n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-12	11	0	0	0	0
Number of Sampling Rounds?	16	6	0	0	0	0
Average Concentration?	3.84	0.01	NA	NA	NA	NA
Standard Deviation?	0.89	0.00	NA	NA	NA	NA
Coefficient of Variation?	0.23	0.21	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? **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*

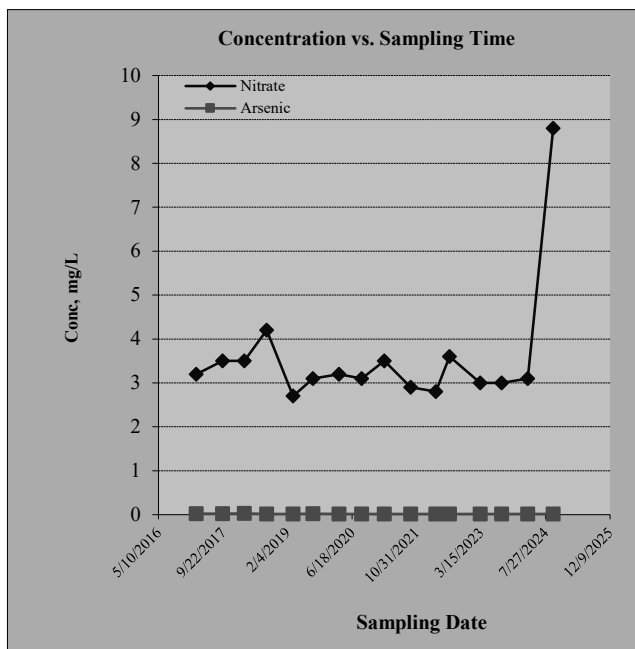
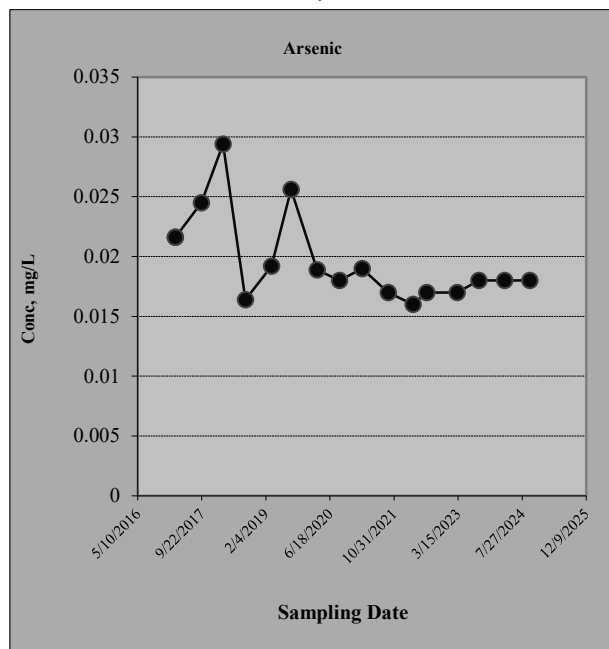
Additional Description:

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	Nitrate	Arsenic				
#1	2/28/2017	3.2	0.0216				
#2	9/19/2017	3.5	0.0245				
#3	3/6/2018	3.5	0.0294				
#4	8/28/2018	4.2	0.0164				
#5	3/19/2019	2.7	0.0192				
#6	8/20/2019	3.1	0.0256				
#7	3/10/2020	3.2	0.0189				
#8	9/1/2020	3.1	0.018				
#9	2/24/2021	3.5	0.019				
#10	9/15/2021	2.9	0.017				
#11	3/29/2022	2.8	0.016				
#12	7/13/2022	3.6	0.017				
#13	3/8/2023	3	0.017				
#14	8/23/2023	3	0.018				
#15	3/12/2024	3.1	0.018				
#16	9/24/2024	8.8	0.018				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	62.20%	97.40%	NA	NA	NA	NA
Plume Stability?	Stable	Shrinking	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1		n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-8	-45	0	0	0	0
Number of Sampling Rounds?	16	16	0	0	0	0
Average Concentration?	3.58	0.02	NA	NA	NA	NA
Standard Deviation?	1.44	0.00	NA	NA	NA	NA
Coefficient of Variation?	0.40	0.19	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? **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*

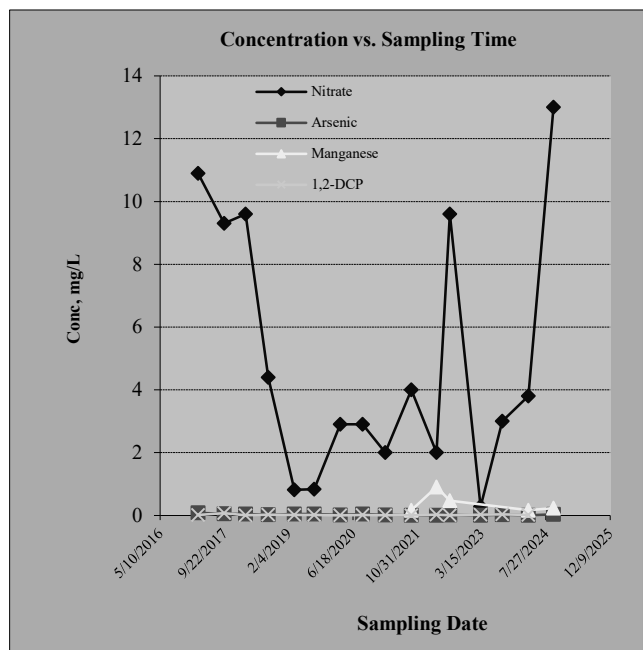
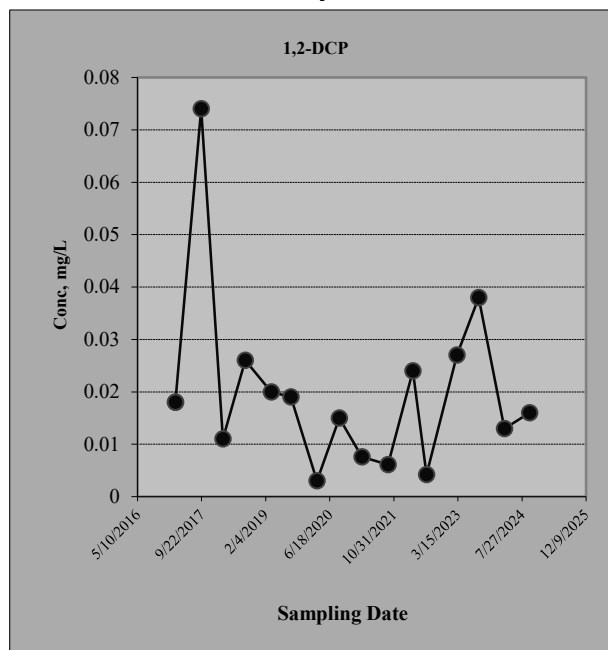
Additional Description:

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	Nitrate	Arsenic	Manganese	1,2-DCP		
#1	3/1/2017	10.9	0.0833		0.018		
#2	9/19/2017	9.3	0.0585		0.074		
#3	3/6/2018	9.6	0.045		0.011		
#4	8/28/2018	4.4	0.0229		0.026		
#5	3/19/2019	0.82	0.044		0.02		
#6	8/20/2019	0.84	0.0446		0.019		
#7	3/10/2020	2.9	0.0182		0.003		
#8	8/31/2020	2.9	0.046		0.015		
#9	2/24/2021	2	0.012		0.0076		
#10	9/15/2021	4	0.011	0.17	0.0061		
#11	3/29/2022	2	0.0074	0.91	0.024		
#12	7/12/2022	9.6	0.013	0.47	0.0042		
#13	3/8/2023	0.28	0.011		0.027		
#14	8/23/2023	3	0.024		0.038		
#15	3/12/2024	3.8	0.011	0.17	0.013		
#16	9/24/2024	13	0.038	0.23	0.016		

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic	Manganese	1,2-DCP		
Confidence Level Calculated?	62.20%	99.60%	40.80%	65.50%	NA	NA
Plume Stability?	Stable	Shrinking	Stable	Stable	NA	NA
Coefficient of Variation?	CV <= 1		CV <= 1	CV <= 1	n<4	n<4
Mann-Kendall Statistic "S" value?	-9	-59	-1	-10	0	0
Number of Sampling Rounds?	16	16	5	16	0	0
Average Concentration?	4.96	0.03	0.39	0.02	NA	NA
Standard Deviation?	4.08	0.02	0.32	0.02	NA	NA
Coefficient of Variation?	0.82	0.71	0.81	0.85	NA	NA
Blank if No Errors found					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-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	Nitrate	Arsenic				
#1	3/1/2017	4.1	0.0145				
#2	9/19/2017	4.2	0.0229				
#3	3/6/2018	4.1	0.0269				
#4	8/28/2018	3.9	0.008				
#5	3/19/2019	2.9	0.0243				
#6	8/20/2019	3.5	0.0144				
#7	3/10/2020	3.2	0.0182				
#8	8/31/2020	3.4	0.02				
#9	2/24/2021	3.6	0.02				
#10	9/15/2021	3.2	0.017				
#11	3/29/2022	3.3	0.016				
#12	7/12/2022	3.6	0.02				
#13	3/8/2023	3.6	0.018				
#14	8/23/2023	3.5	0.019				
#15	3/12/2024	7	0.019				
#16	9/24/2024	4	0.018				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	55.30%	58.80%	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?	-4	-7	0	0	0	0
Number of Sampling Rounds?	16	16	0	0	0	0
Average Concentration?	3.82	0.02	NA	NA	NA	NA
Standard Deviation?	0.93	0.00	NA	NA	NA	NA
Coefficient of Variation?	0.24	0.23	NA	NA	NA	NA
Blank if No Errors found			n<4	n<4	n<4	n<4

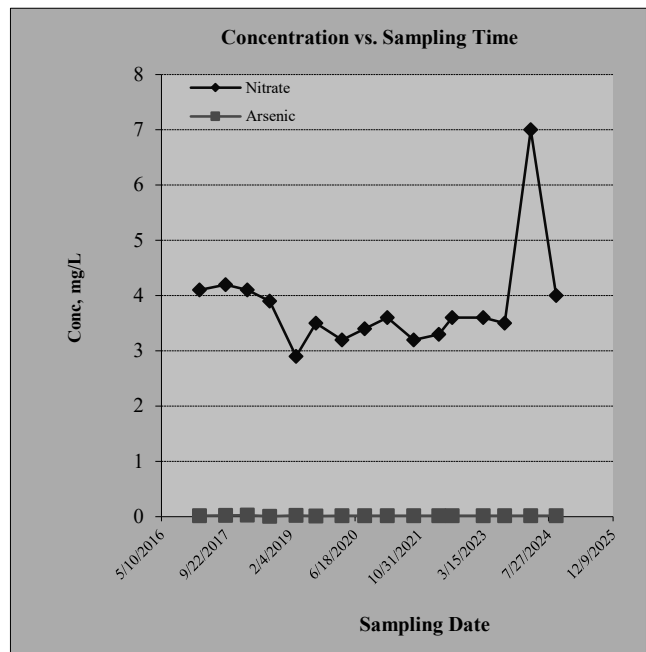
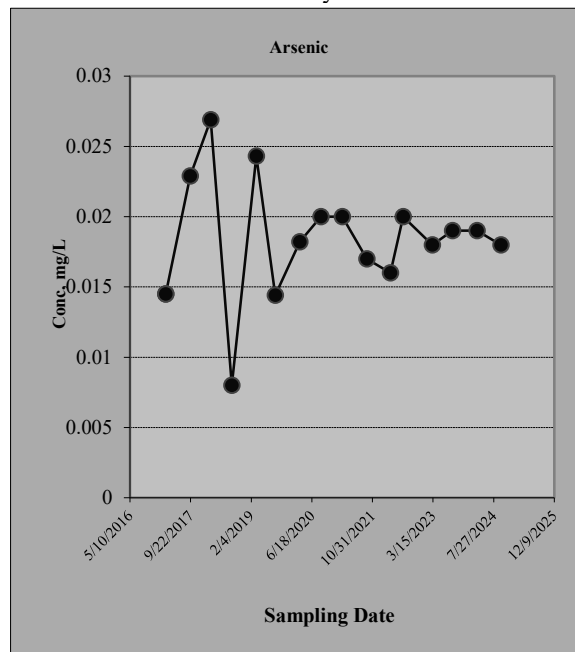
3. Temporal Trend: Plot of Concentration vs. Sampling Time

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	Nitrite	Arsenic	Manganese		
#1	3/11/2020	161	0.0075	0.0035	0.0605		
#2	9/1/2020						
#3	11/11/2020	140	12	0.0032	3.4		
#4	2/24/2021	140	2.4	0.0027	3.2		
#5	5/11/2021	23	3	0.0025	3.3		
#6	9/15/2021	120	0.77	0.0033	2.9		
#7	3/29/2022	110	0.31	0.0027	1.9		
#8	7/12/2022	110	0.91	0.0029	1.5		
#9	12/7/2022						
#10	3/7/2023	19	2.1	0.014	1.6		
#11	5/16/2023	27	3.8	0.0041	2		
#12	8/22/2023	45	3.8	0.0033	2.4		
#13	12/6/2023	50	1	0.0021	3.1		
#14	3/12/2024	60	0.31	0.0015	1.4		
#15	9/24/2024	71	0.66	0.0027	2.4		
#16							

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Nitrite	Arsenic	Manganese		
Confidence Level Calculated?	96.20%	61.70%	81.60%	74.50%	NA	NA
Plume Stability?	Shrinking	Undetermined	Stable	Stable	NA	NA
Coefficient of Variation?		CV > 1	CV <= 1	CV <= 1	n<4	n<4
Mann-Kendall Statistic "S" value?	-30	-6	-16	-13	0	0
Number of Sampling Rounds?	13	13	13	13	0	0
Average Concentration?	82.77	2.39	0.00	2.24	NA	NA
Standard Deviation?	49.54	3.17	0.00	0.97	NA	NA
Coefficient of Variation?	0.60	1.33	0.85	0.43	NA	NA
Blank if No Errors found					n<4	n<4

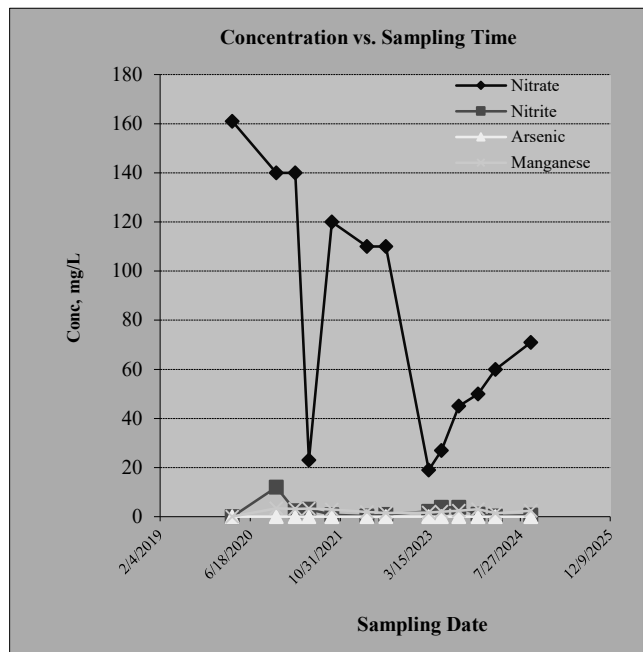
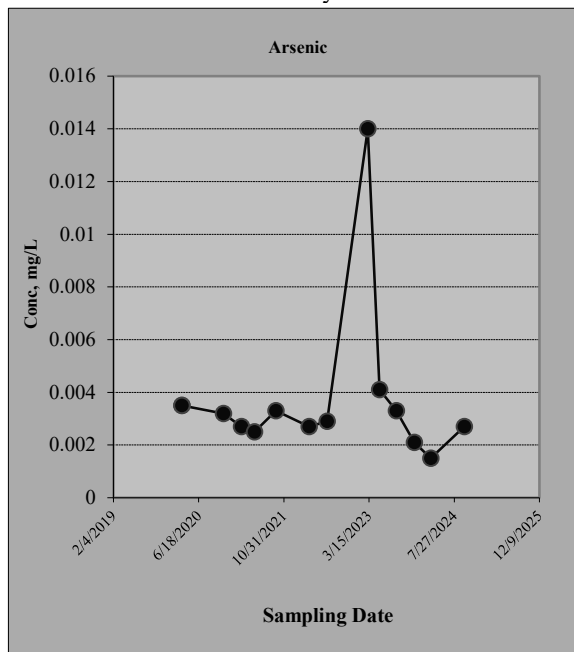
3. Temporal Trend: Plot of Concentration vs. Sampling Time

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*

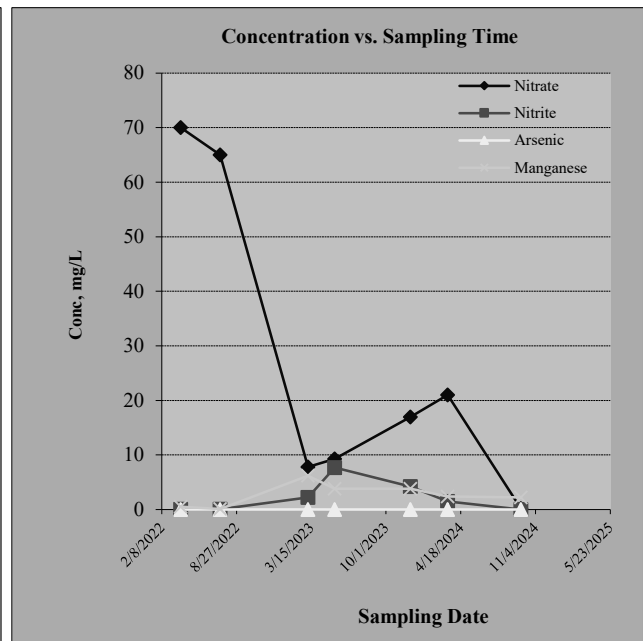
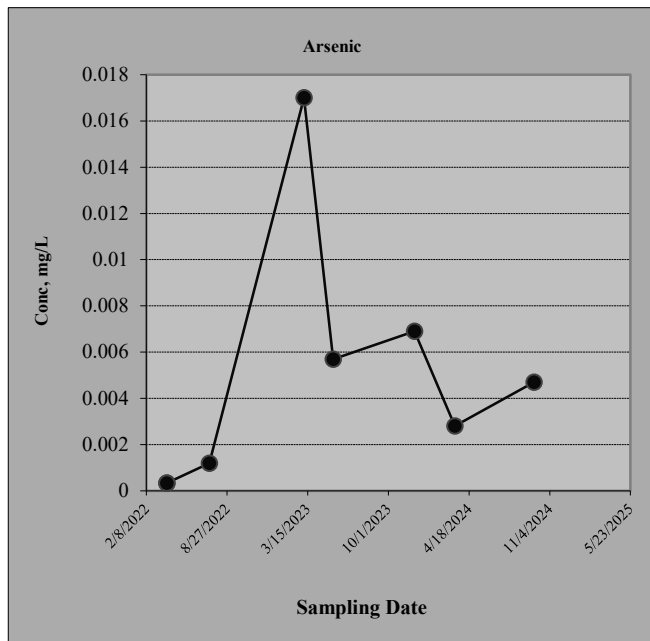
Additional Description:

Well (Sampling) Location? **MW-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	Arsenic	Manganese		
#1	3/31/2022	70	0.056	0.00034	0.5		
#2	7/14/2022	65	0.057	0.0012	0.099		
#3	12/6/2022						
#4	3/6/2023	7.8	2.2	0.017	6.2		
#5	5/17/2023	9.3	7.7	0.0057	3.8		
#6	8/24/2023						
#7	12/5/2023	17	4.2	0.0069	3.8		
#8	3/14/2024	21	1.5	0.0028	2.4		
#9	9/26/2024	0.16	0.0075	0.0047	2.2		
#10							
#11							
#12							
#13							
#14							
#15							
#16							

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Nitrite	Arsenic	Manganese		
Confidence Level Calculated?	88.10%	50.00%	71.90%	-600.00%	NA	NA
Plume Stability?	Shrinking	Undetermined	Undetermined	Stable	NA	NA
Coefficient of Variation?		CV > 1	CV > 1	CV <= 1	n<4	n<4
Mann-Kendall Statistic "S" value?	-9	1	5	0	0	0
Number of Sampling Rounds?	7	7	7	7	0	0
Average Concentration?	27.18	2.25	0.01	2.71	NA	NA
Standard Deviation?	28.38	2.85	0.01	2.11	NA	NA
Coefficient of Variation?	1.04	1.27	1.01	0.78	NA	NA
Blank if No Errors found					n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **Arsenic**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*

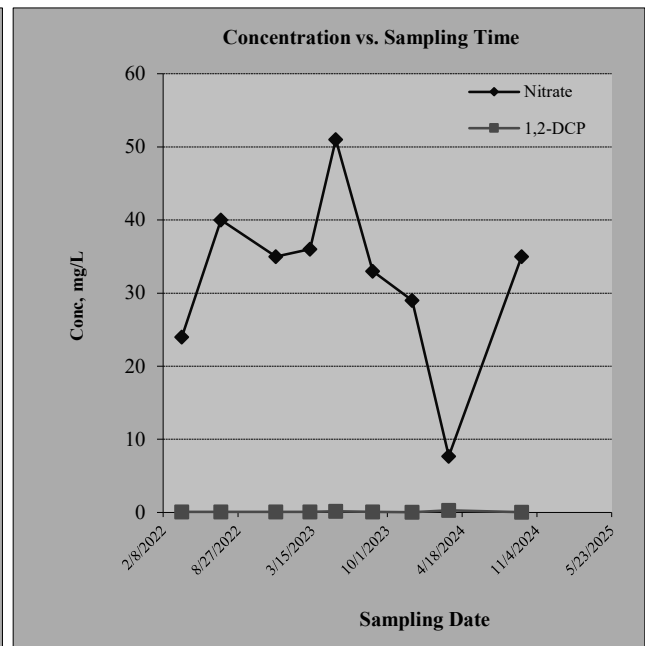
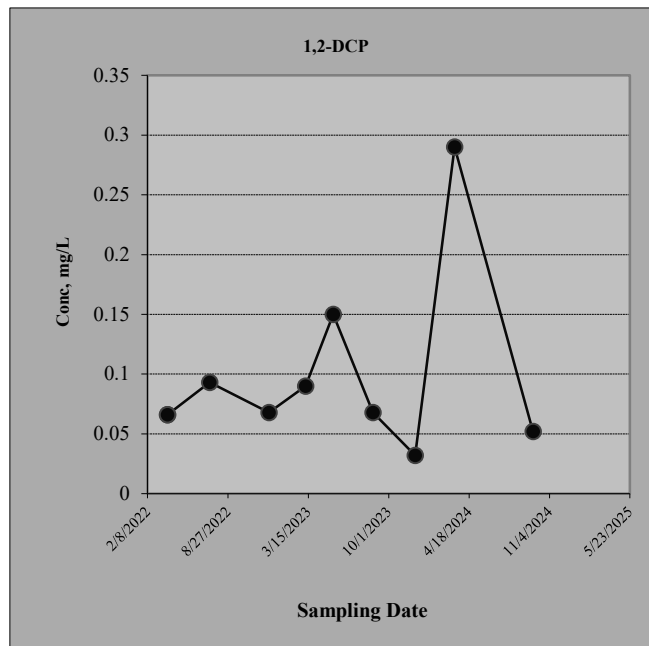
Additional Description:

Well (Sampling) Location? **MW-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	Nitrate	1,2-DCP				
#1	3/30/2022	24	0.066				
#2	7/13/2022	40	0.093				
#3	12/7/2022	35	0.068				
#4	3/8/2023	36	0.09				
#5	5/16/2023	51	0.15				
#6	8/23/2023	33	0.068				
#7	12/6/2023	29	0.032				
#8	3/13/2024	7.7	0.29				
#9	9/24/2024	35	0.052				
#10							
#11							
#12							
#13							
#14							
#15							
#16							

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	1,2-DCP				
Confidence Level Calculated?	69.40%	46.00%	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?	-7	-1	0	0	0	0
Number of Sampling Rounds?	9	9	0	0	0	0
Average Concentration?	32.30	0.10	NA	NA	NA	NA
Standard Deviation?	11.85	0.08	NA	NA	NA	NA
Coefficient of Variation?	0.37	0.77	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**

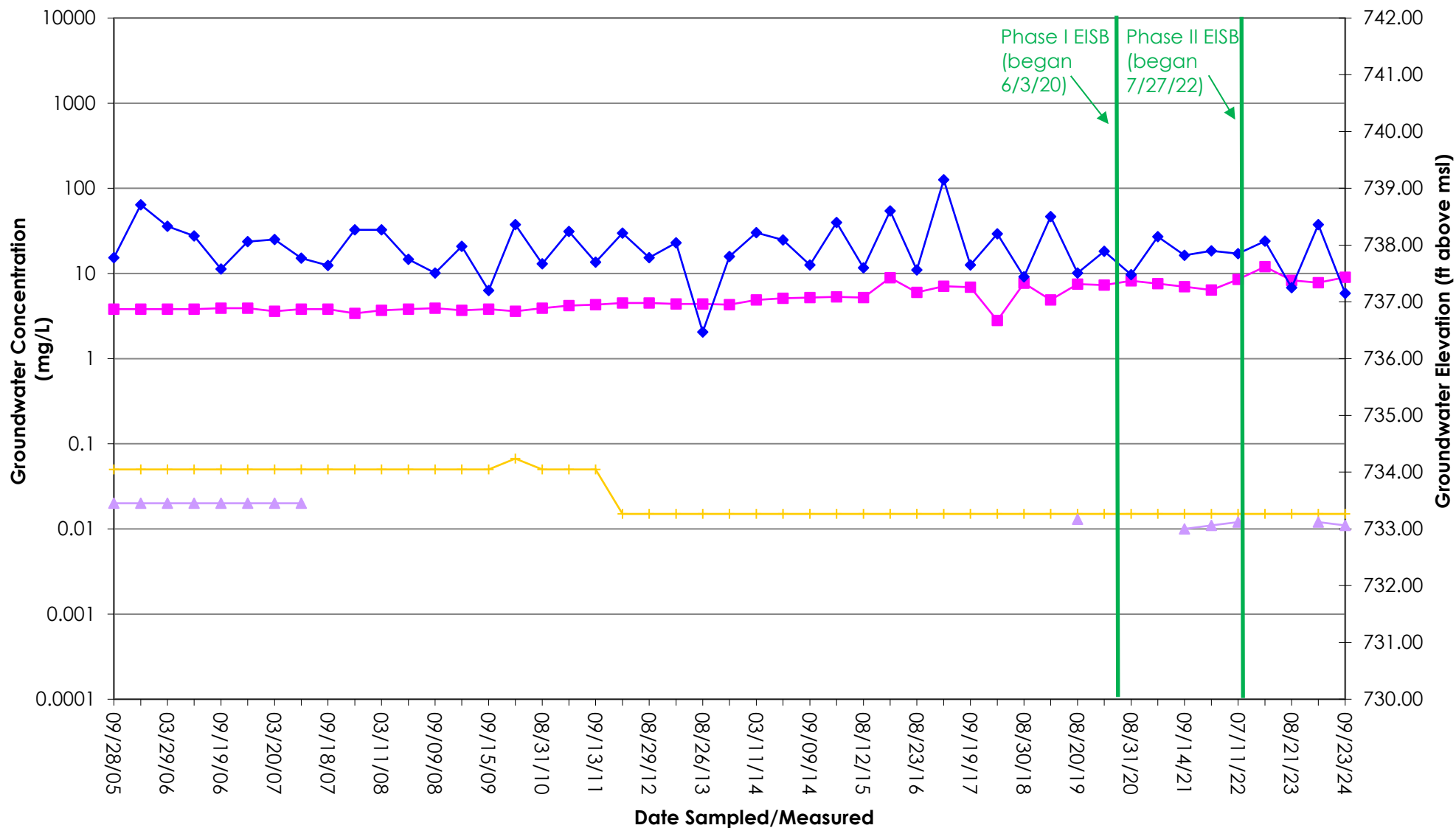
APPENDIX F

Hydrographs

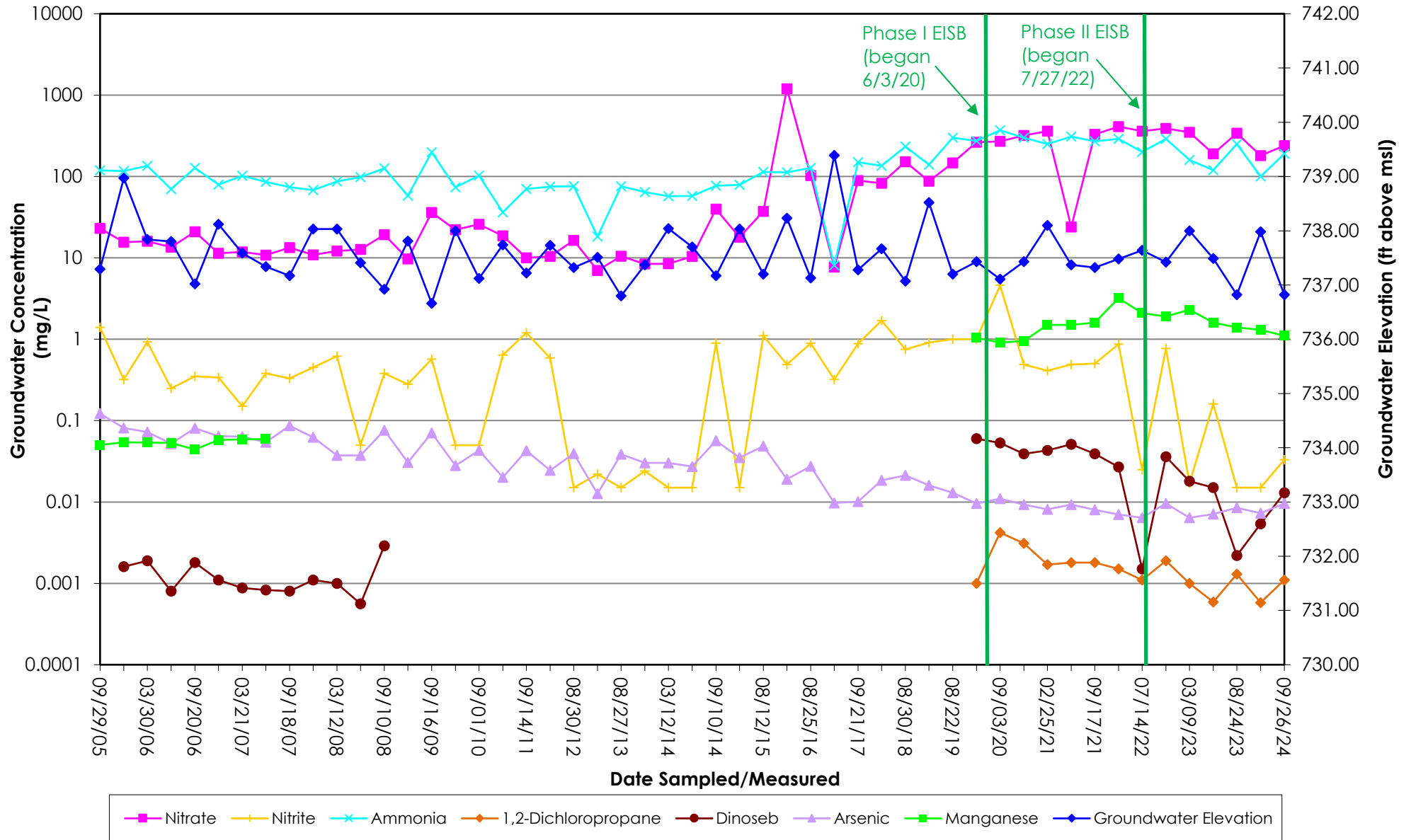
MW-1 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

Sunnyside, Washington



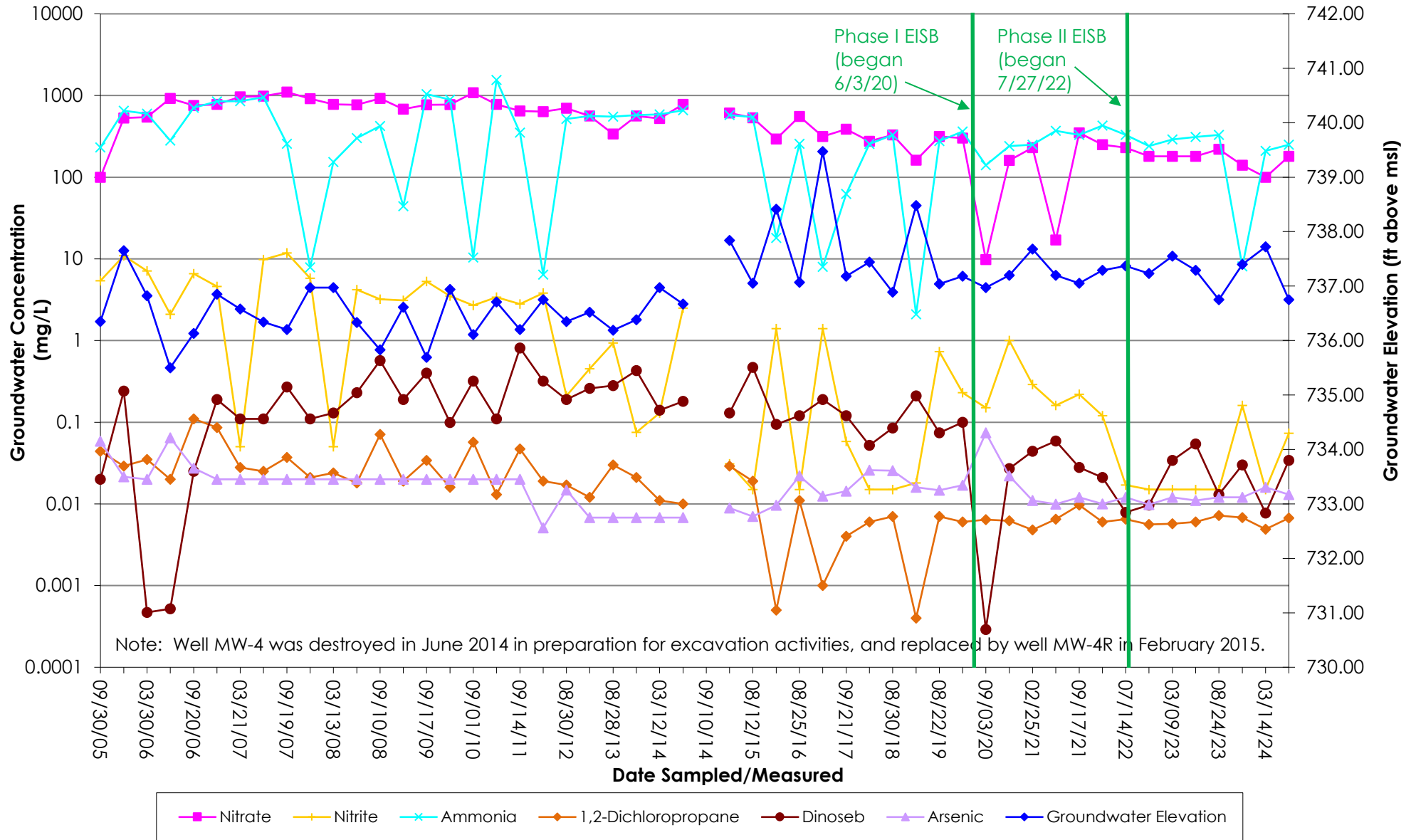
MW-3 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



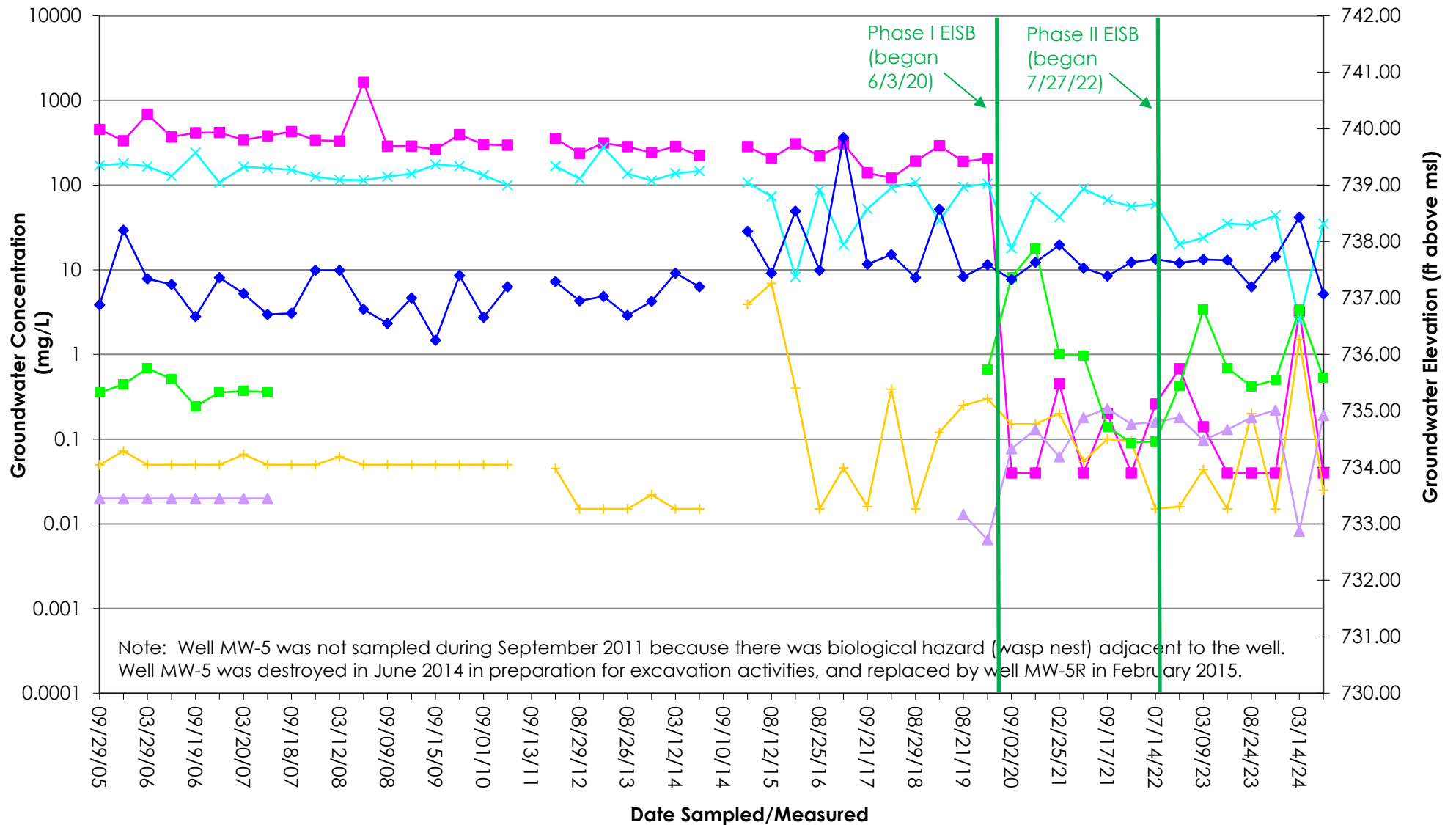
MW-4/MW-4R Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

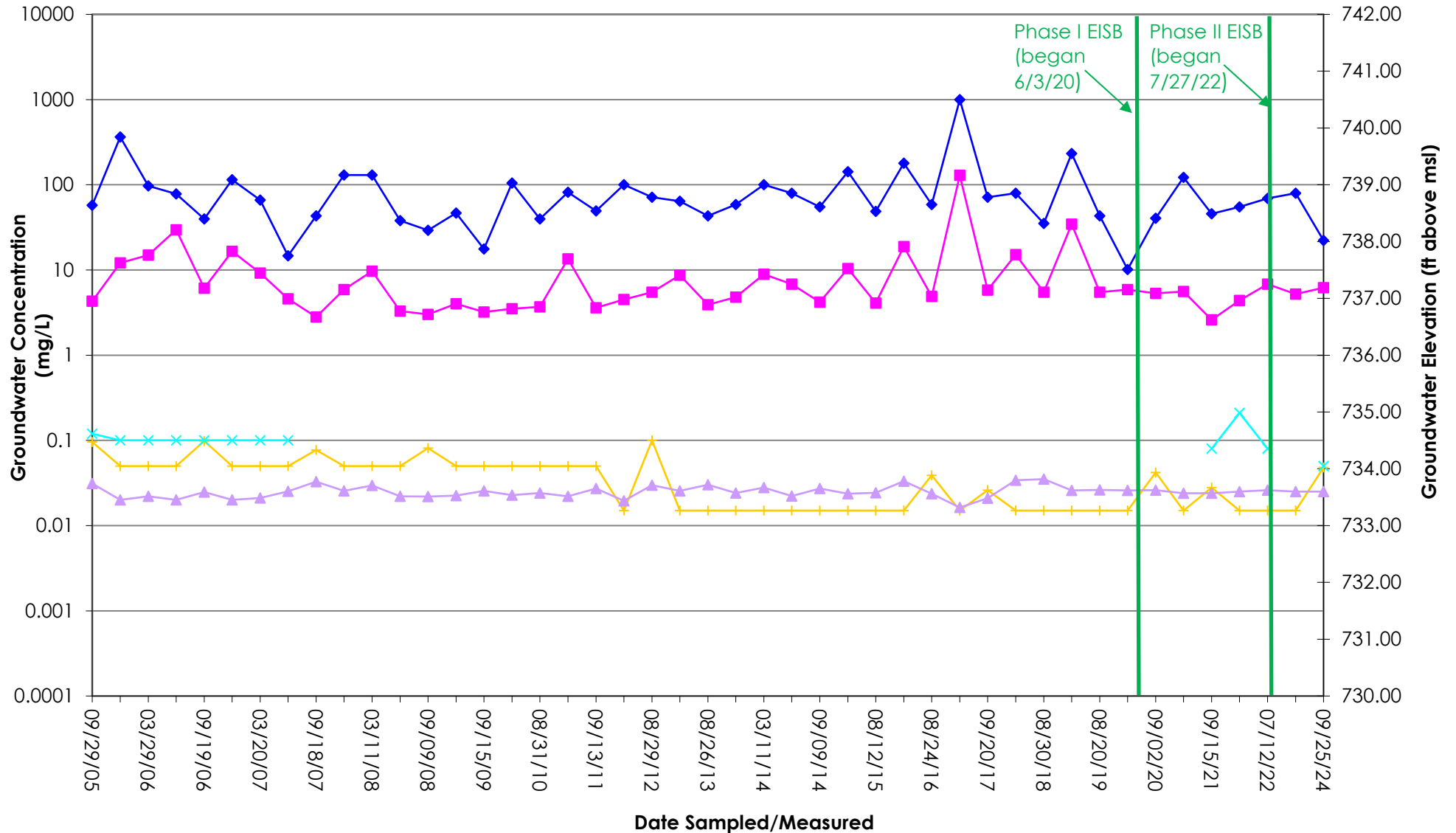
Sunnyside, Washington



MW-5/MW-5R Groundwater Concentrations and Elevations vs. Time **Bee-Jay Scales Site** **Sunnyside, Washington**



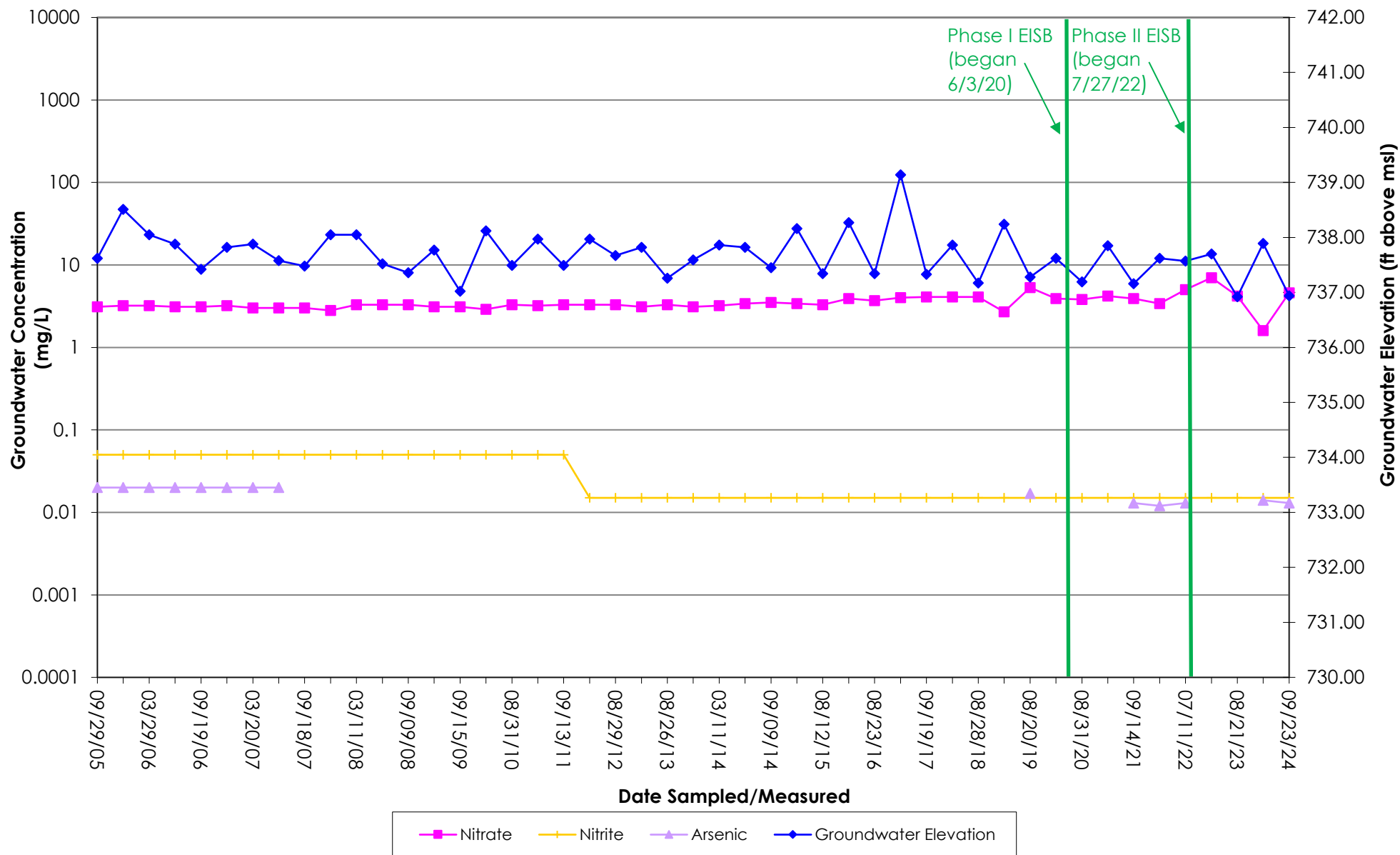
MW-6 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



MW-7 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

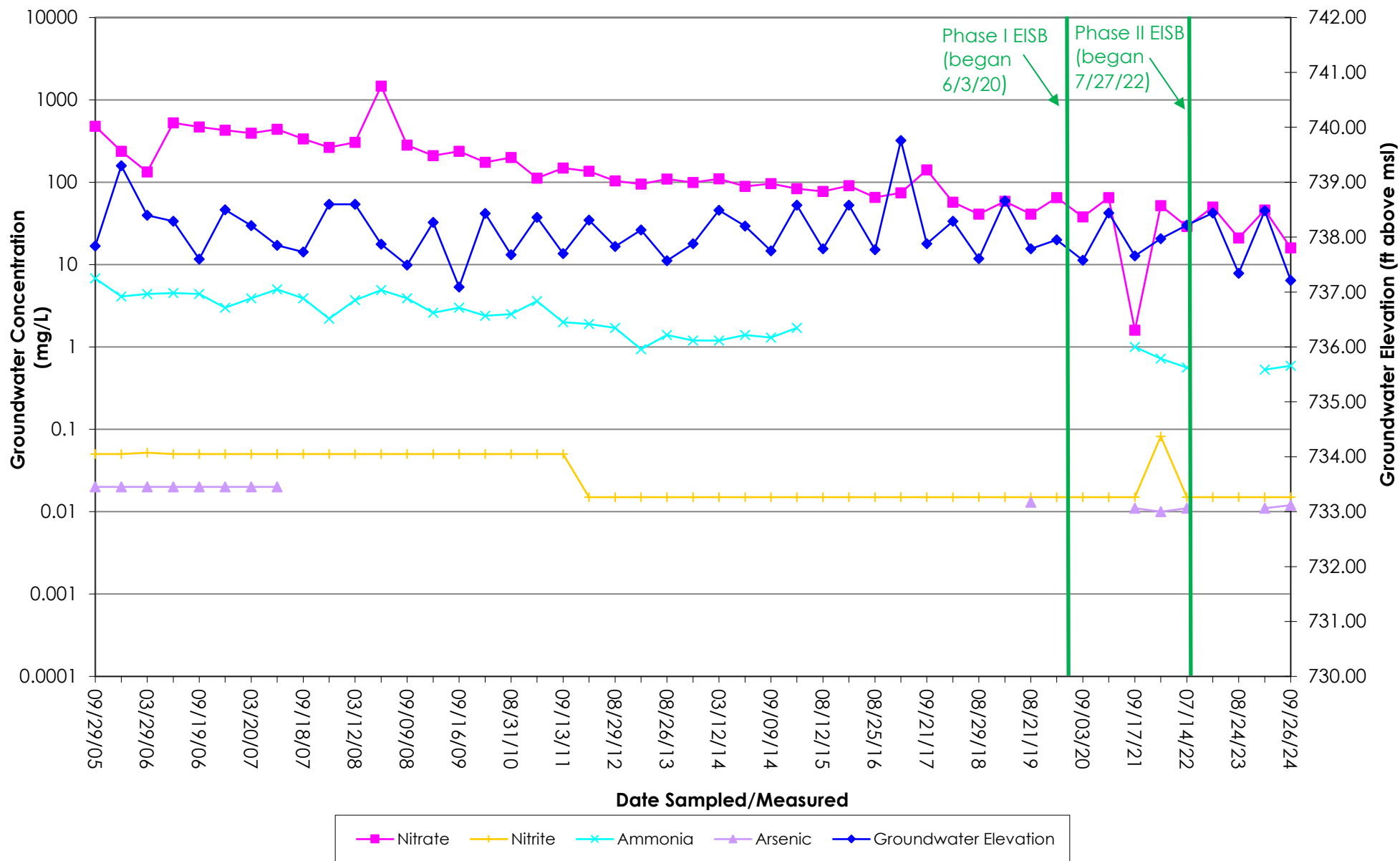
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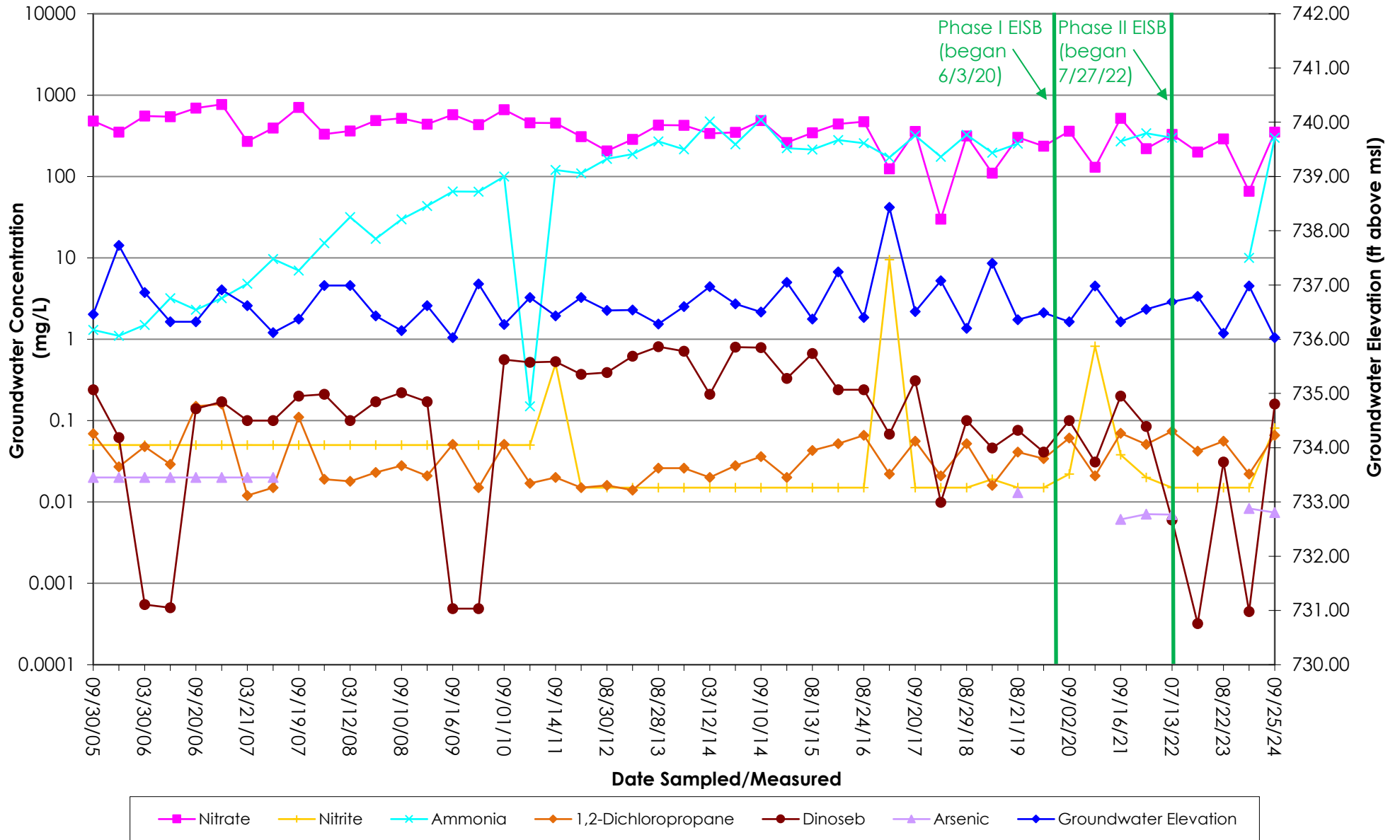
MW-8 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

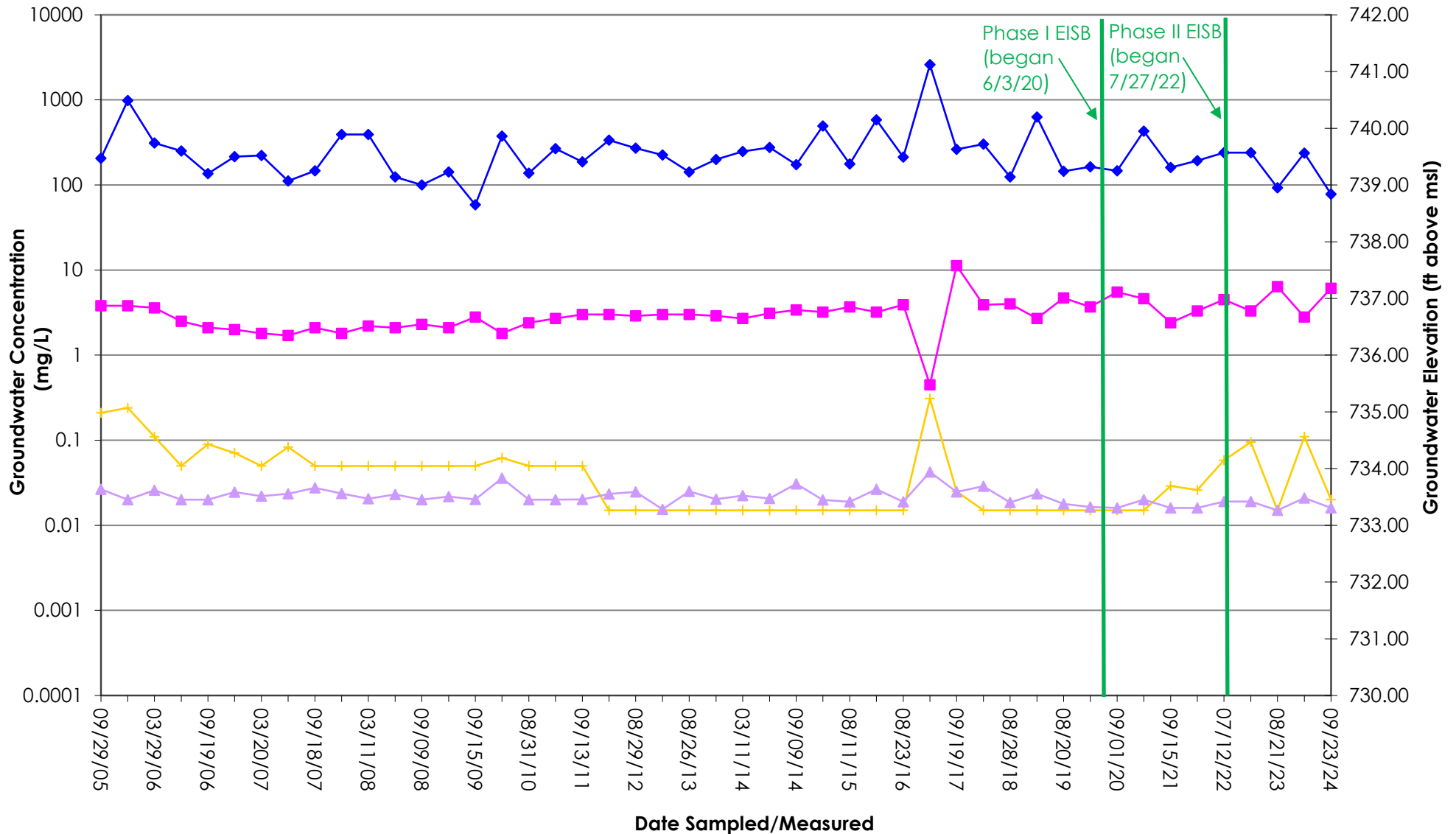
Sunnyside, Washington



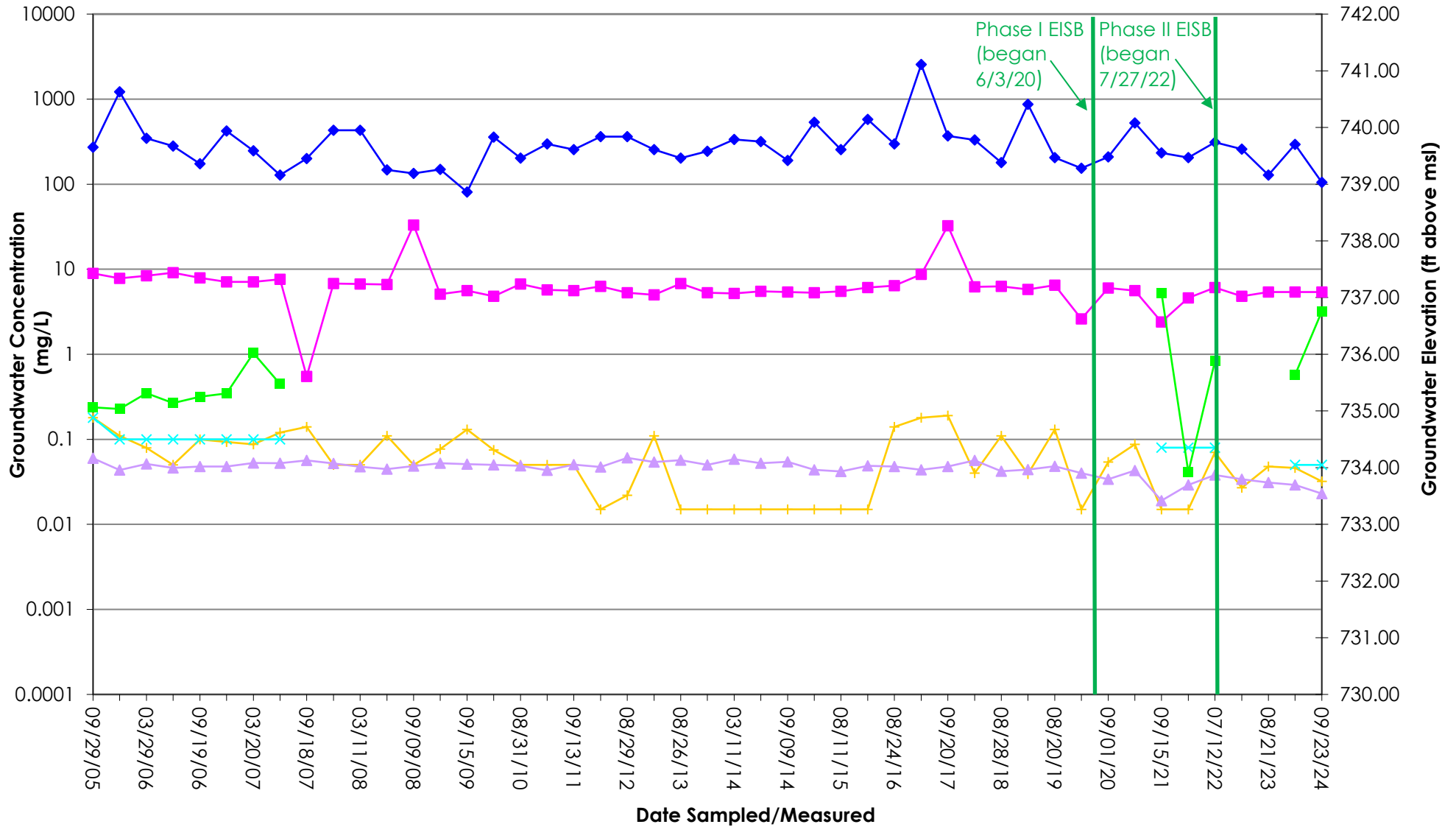
MW-9 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



MW-10 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



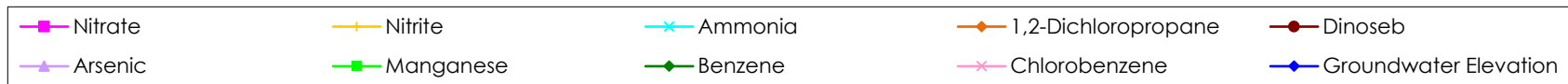
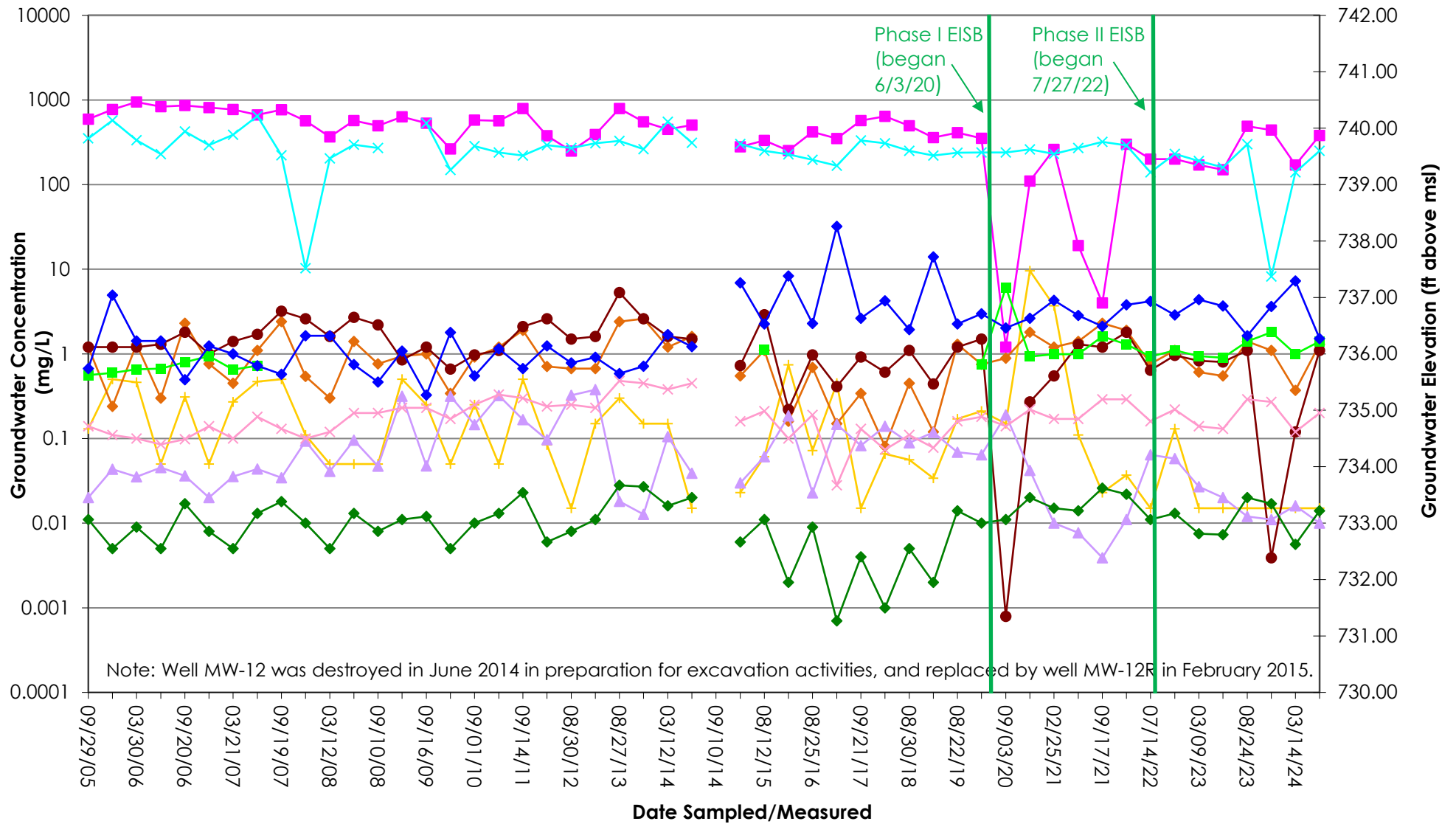
MW-11 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



MW-12/MW-12R Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

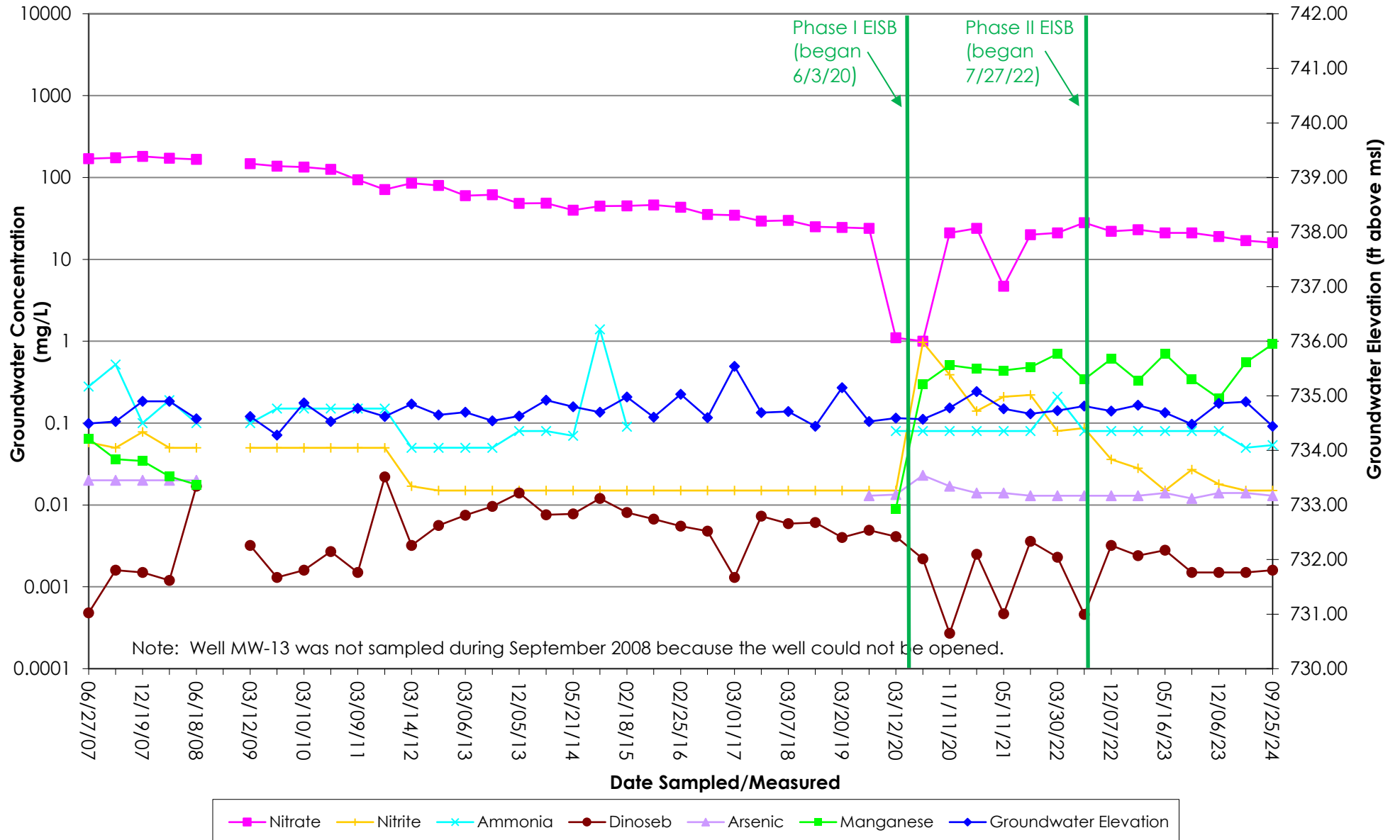
Sunnyside, Washington



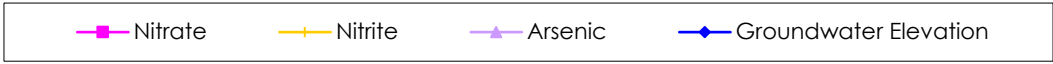
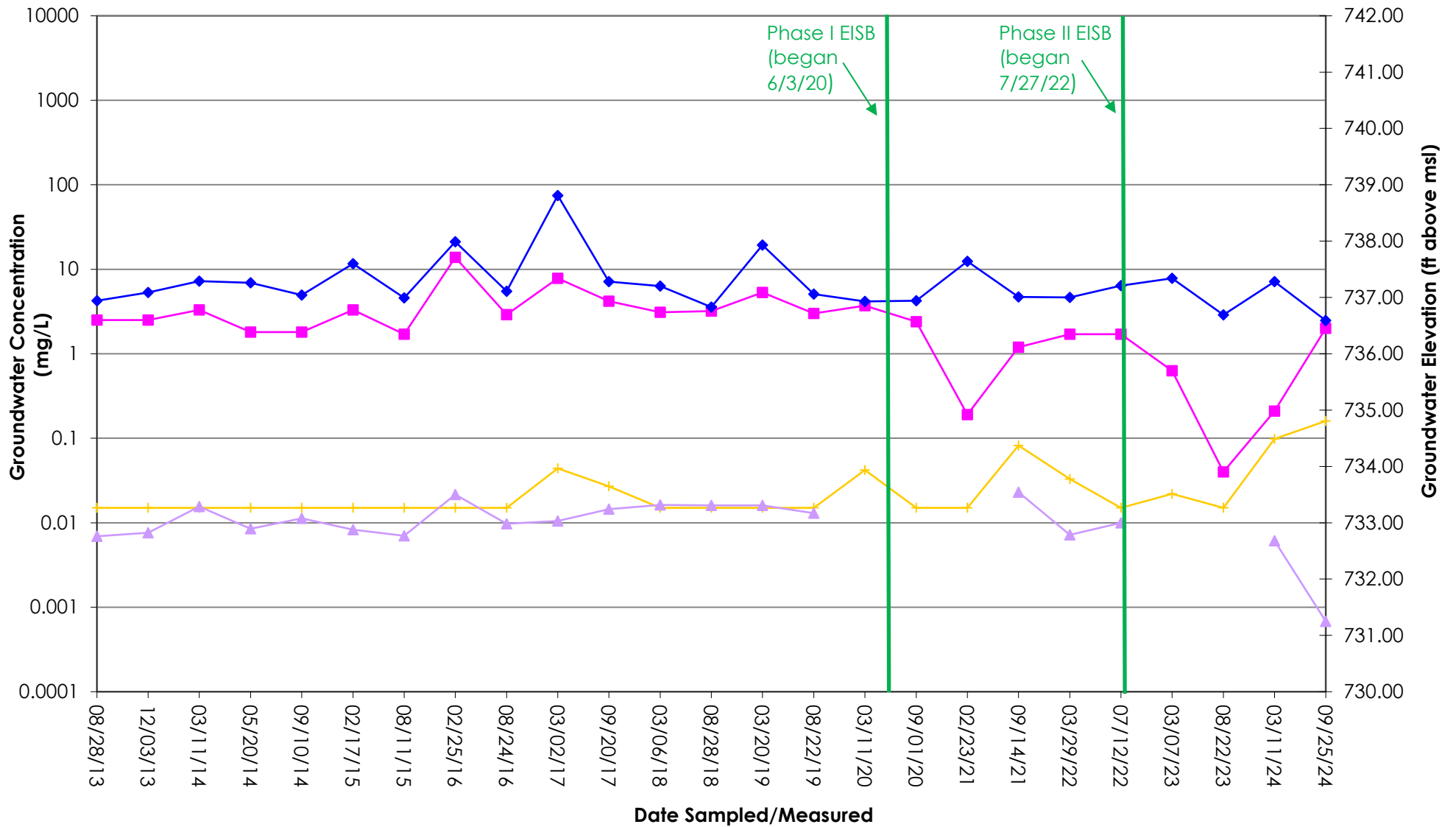
MW-13 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

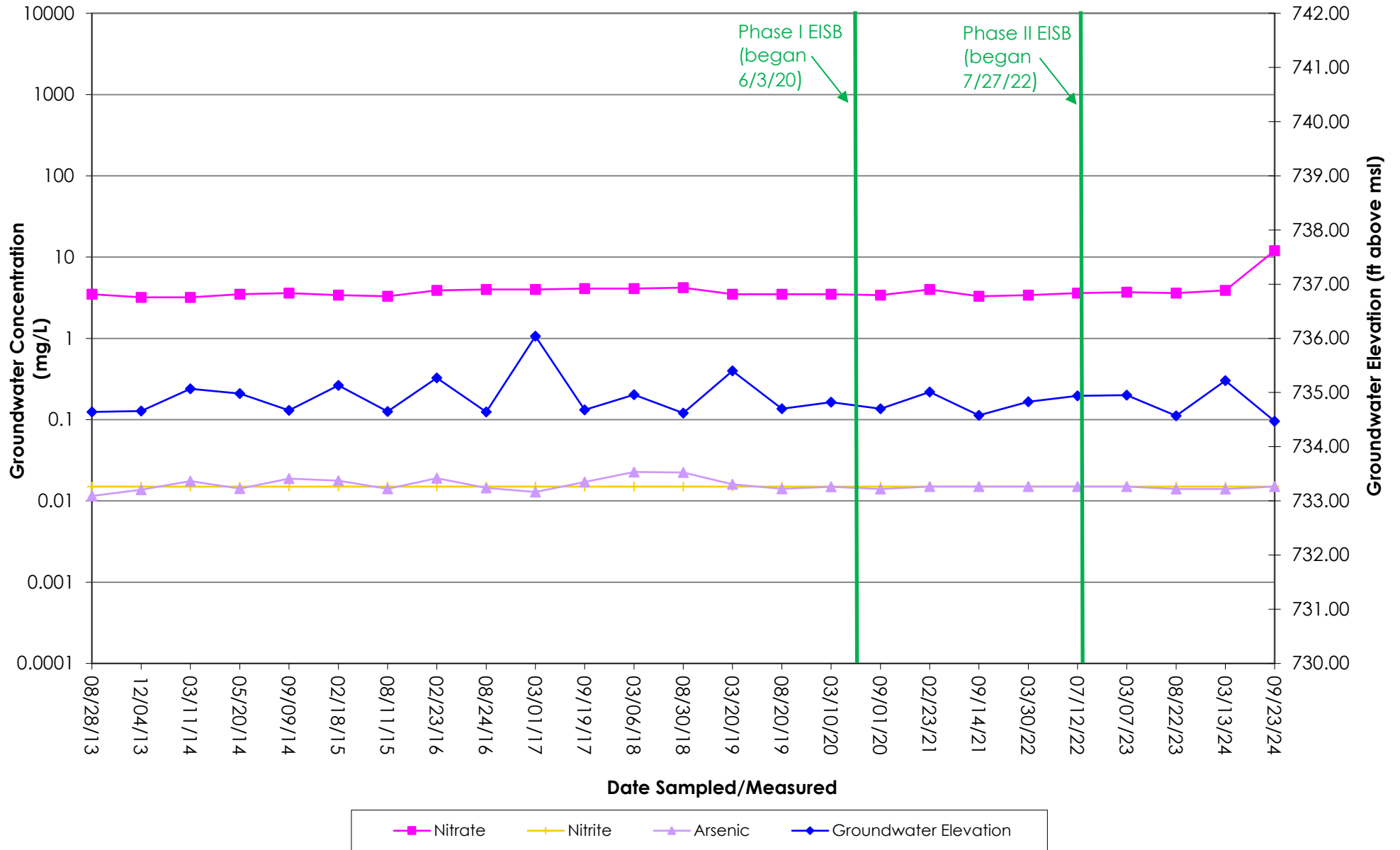
Sunnyside, Washington



MW-14 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



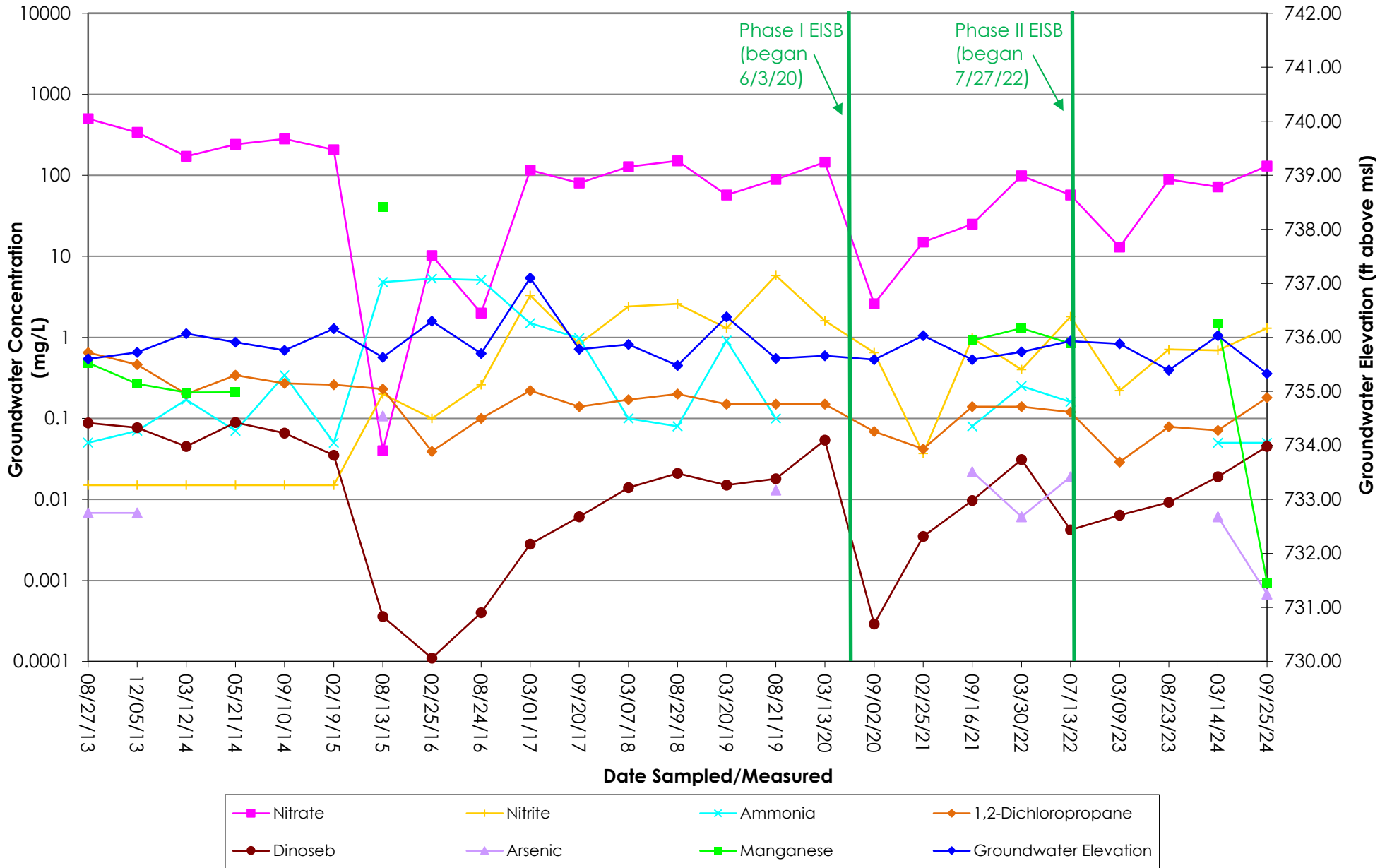
MW-15 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



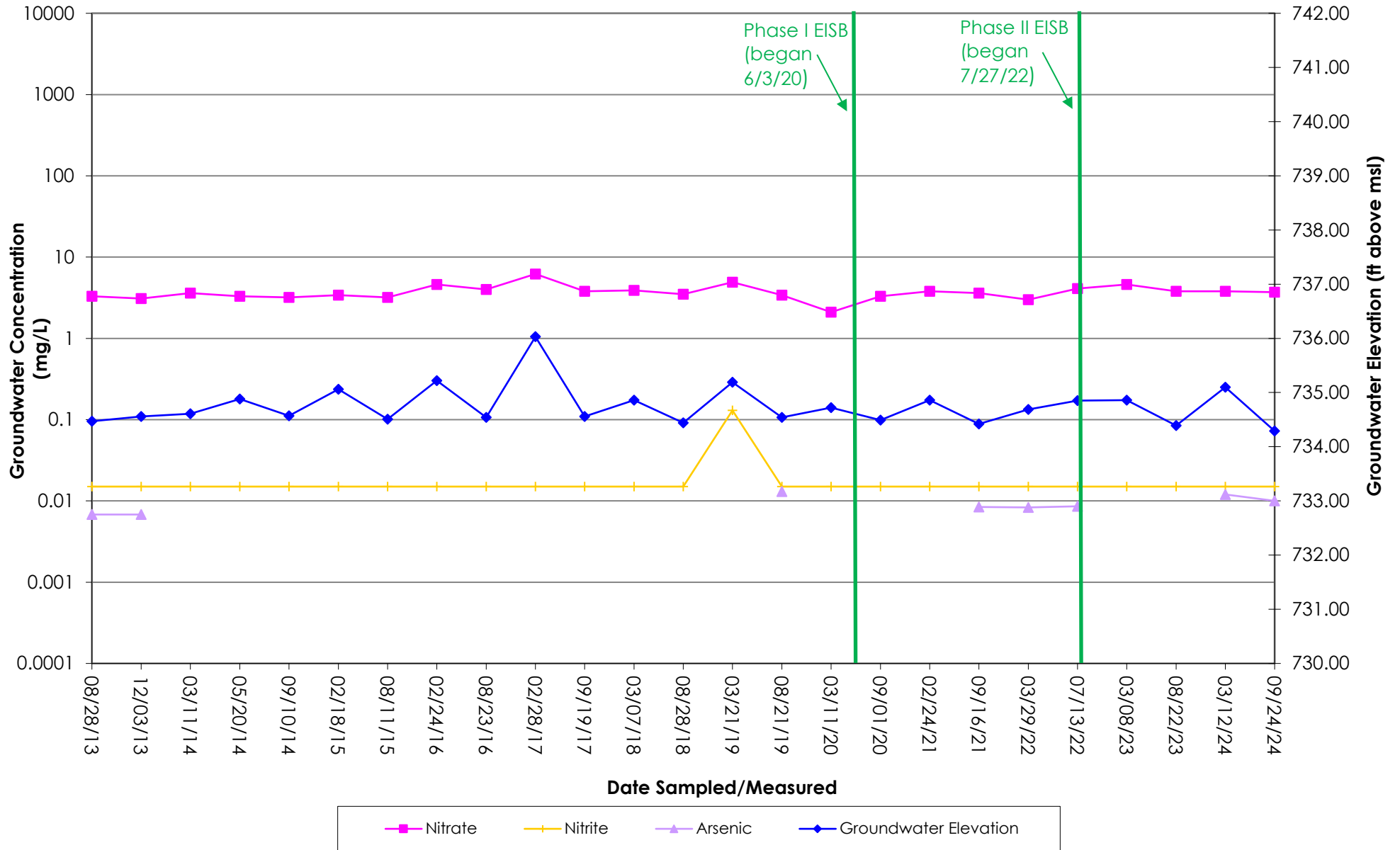
MW-16 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

Sunnyside, Washington



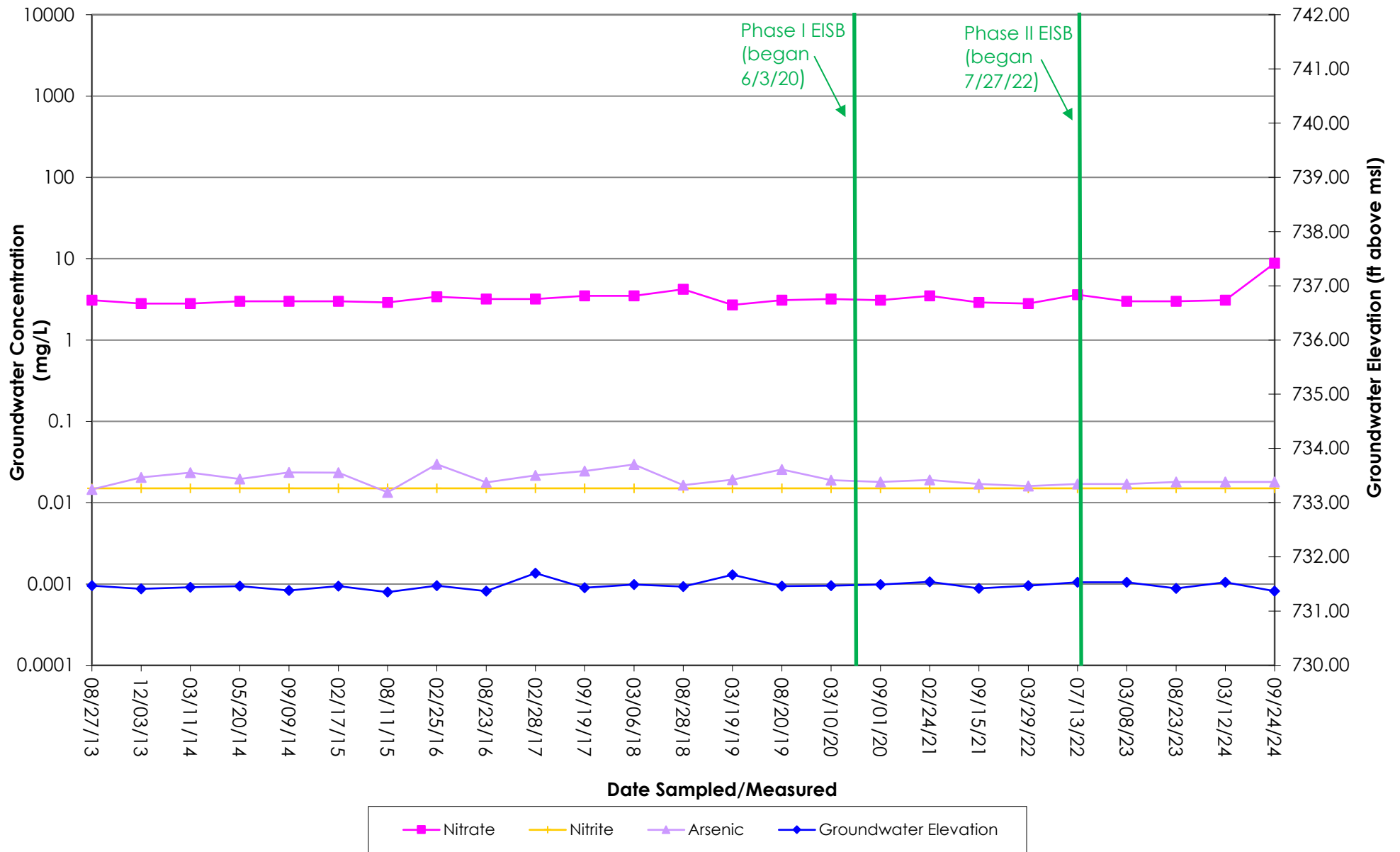
**MW-17 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington**



MW-18 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

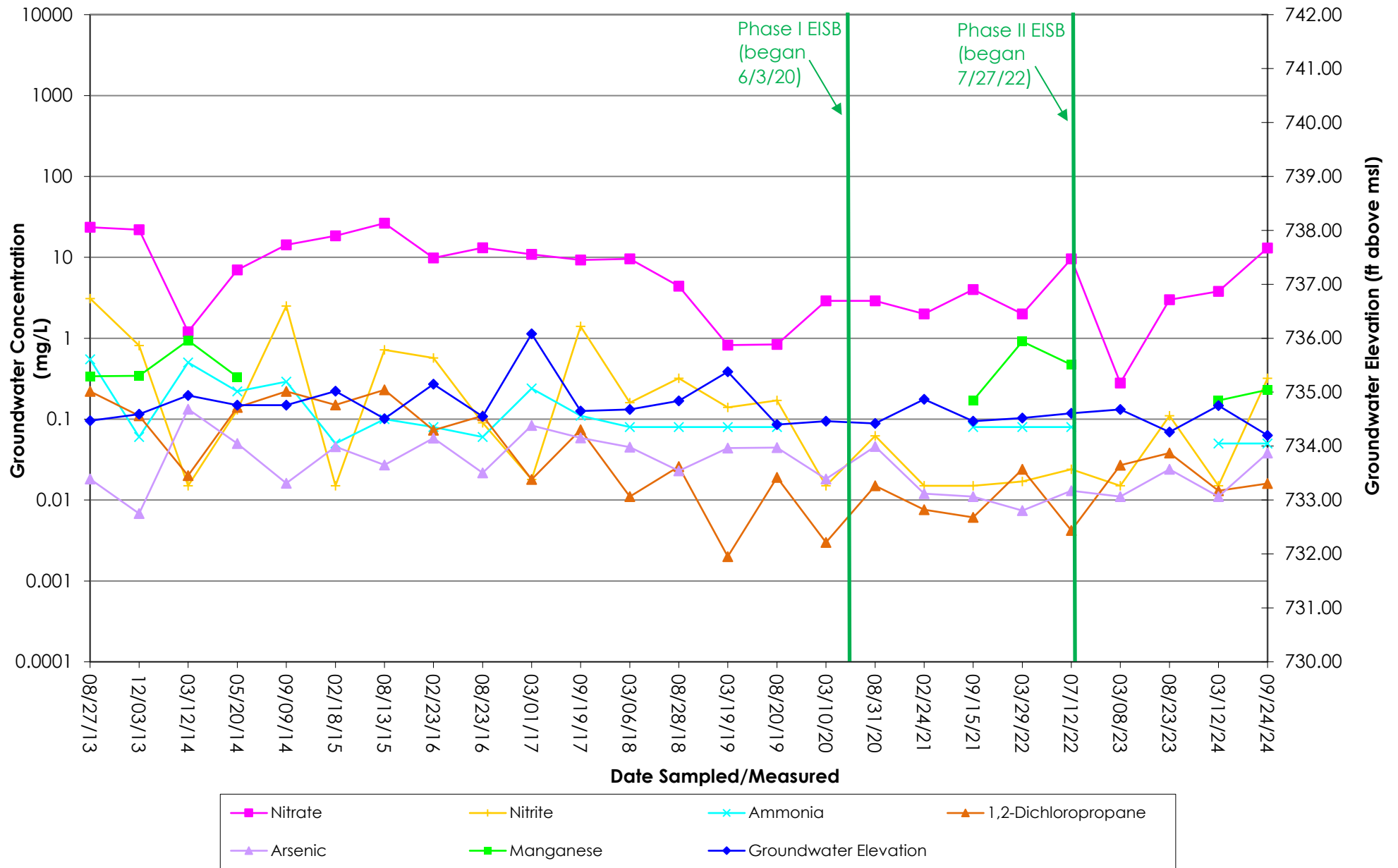
Sunnyside, Washington



MW-19 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

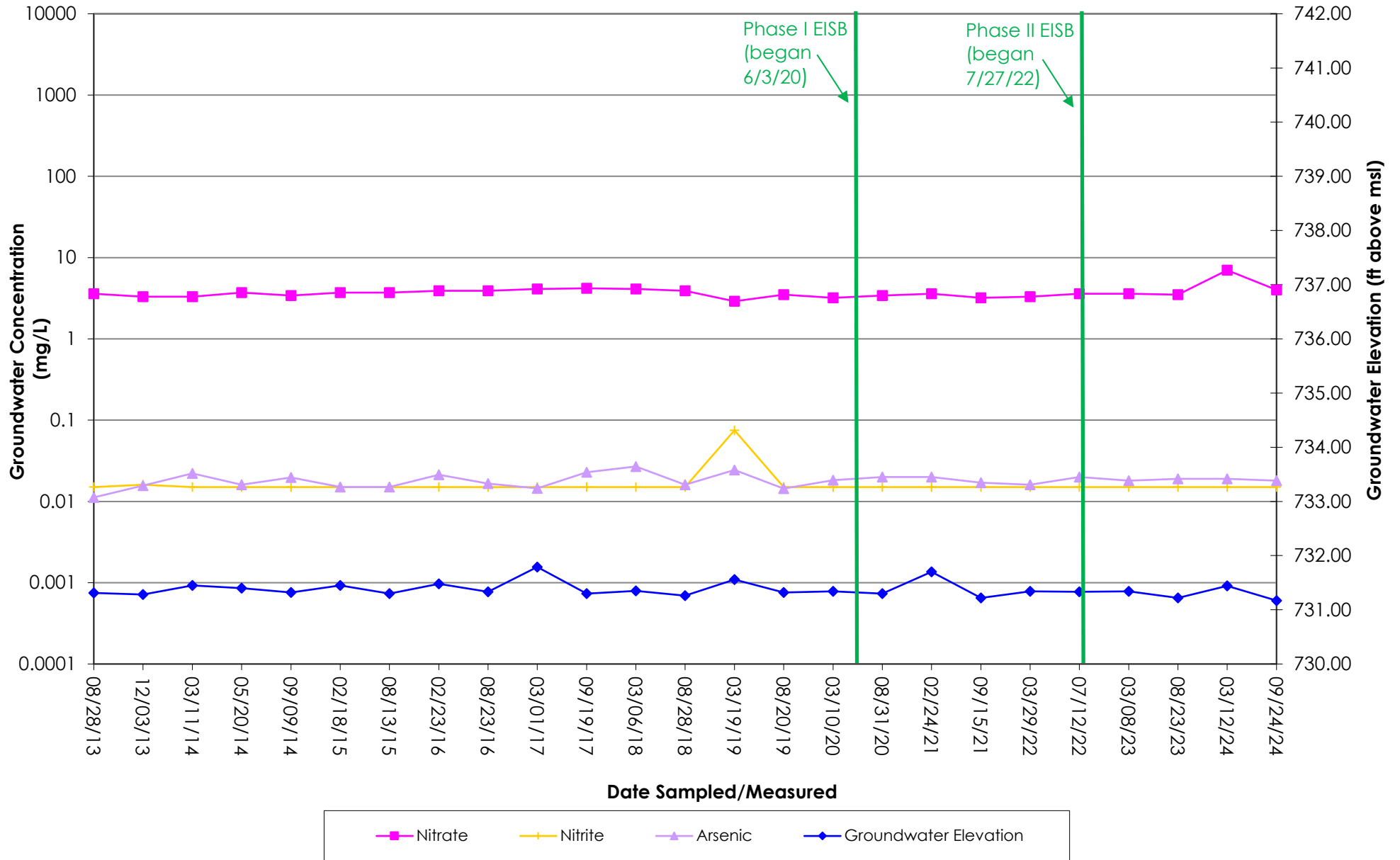
Sunnyside, Washington



MW-20 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

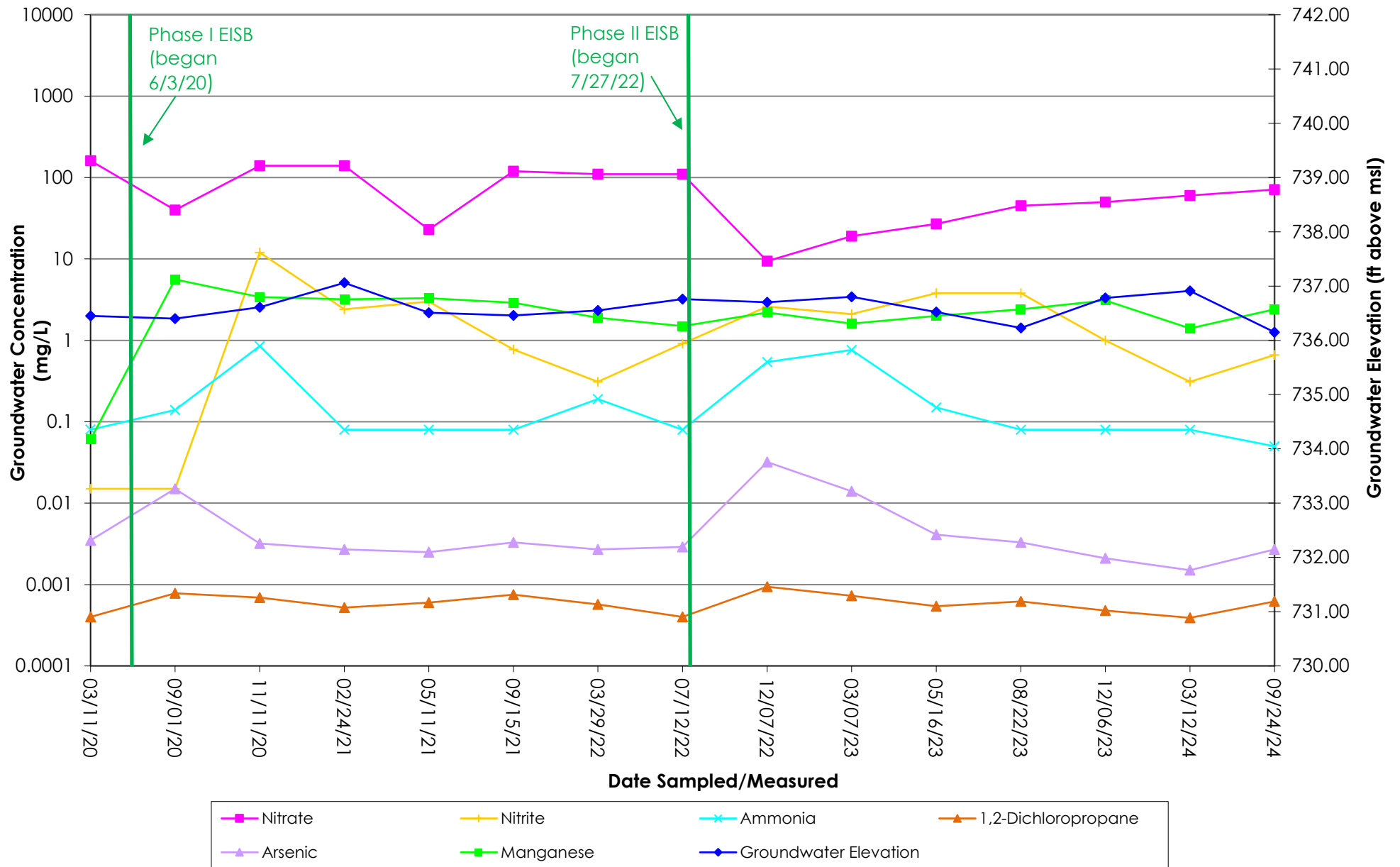
Sunnyside, Washington



MW-21 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

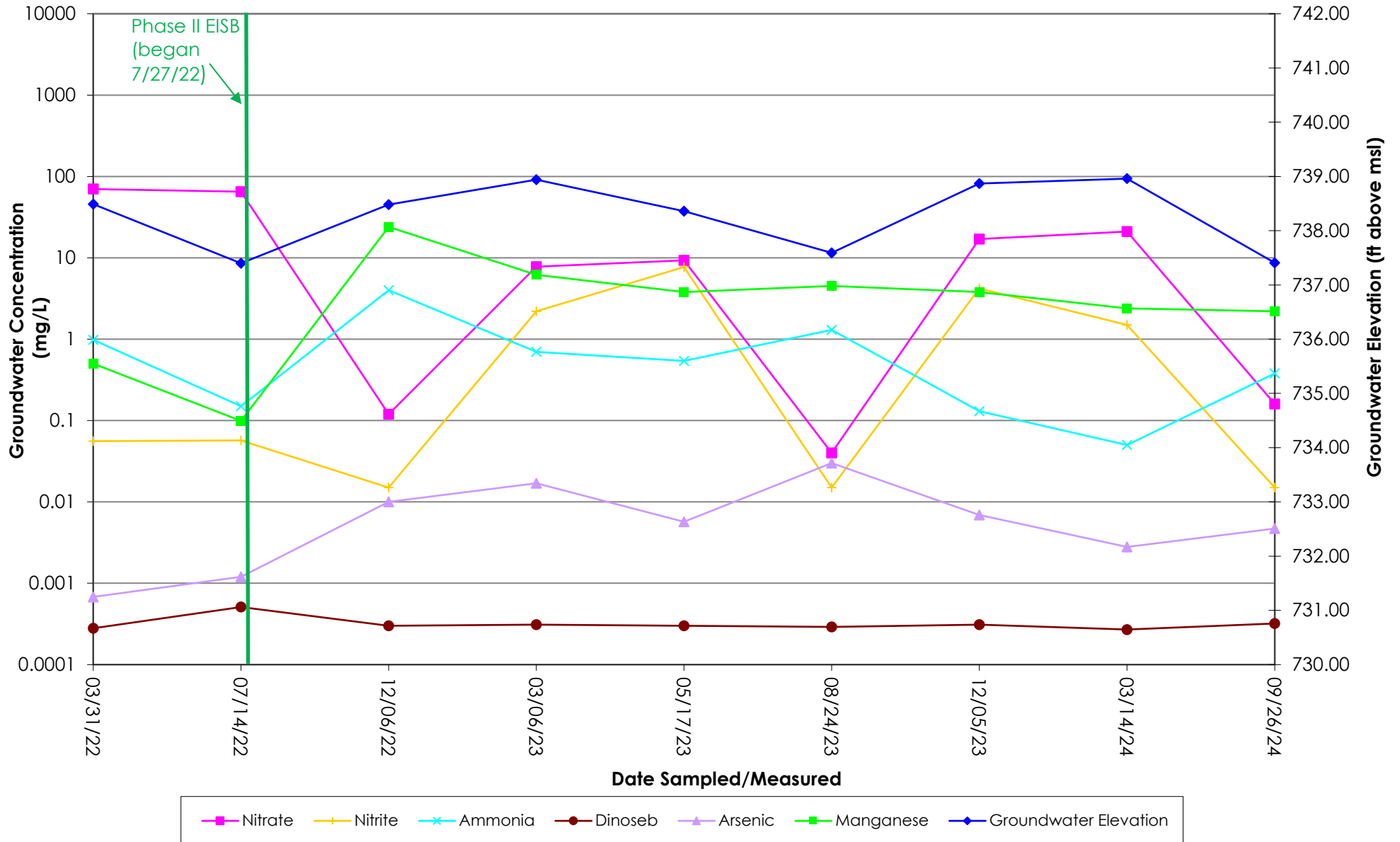
Sunnyside, Washington



MW-22 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

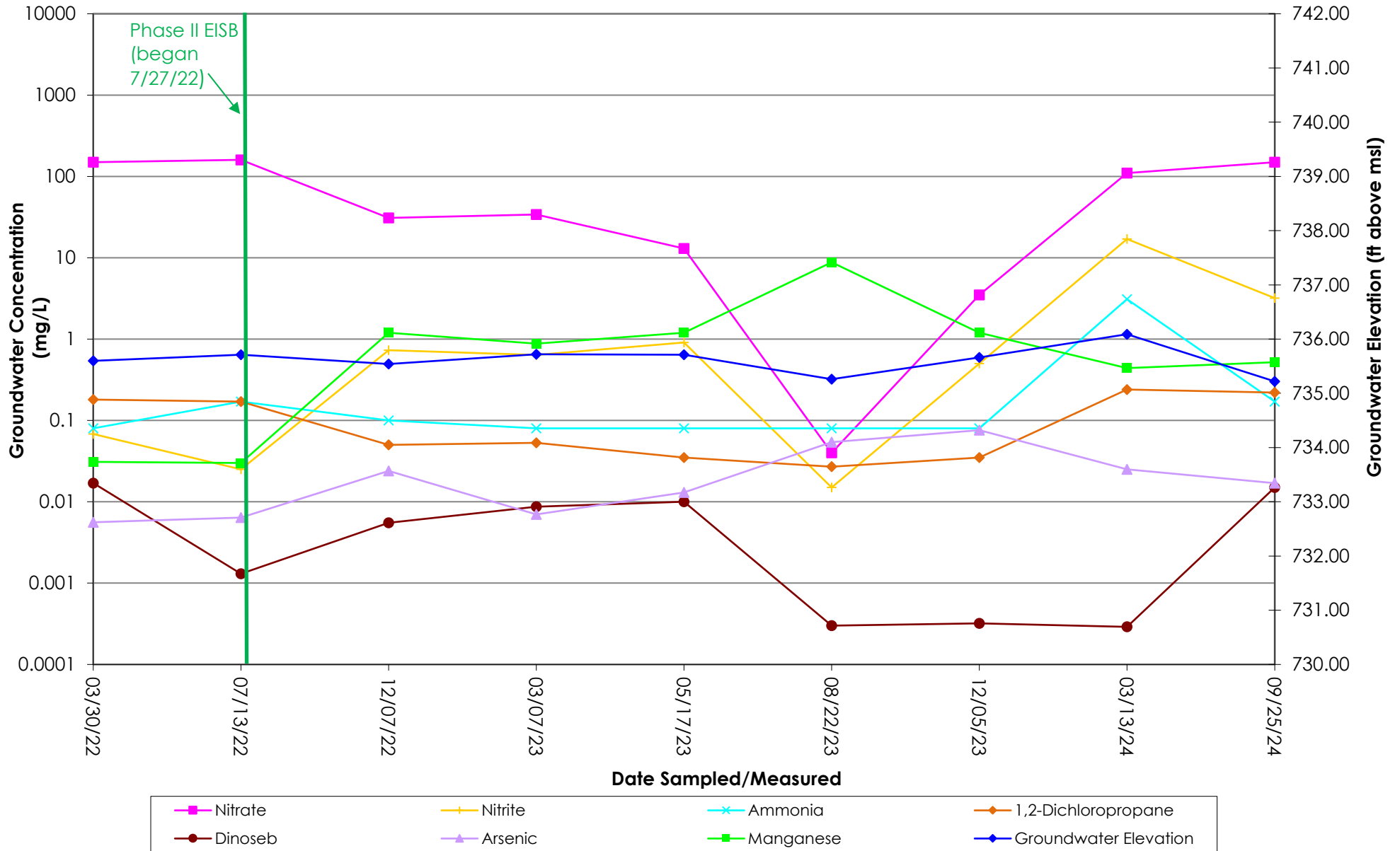
Sunnyside, Washington



MW-23 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

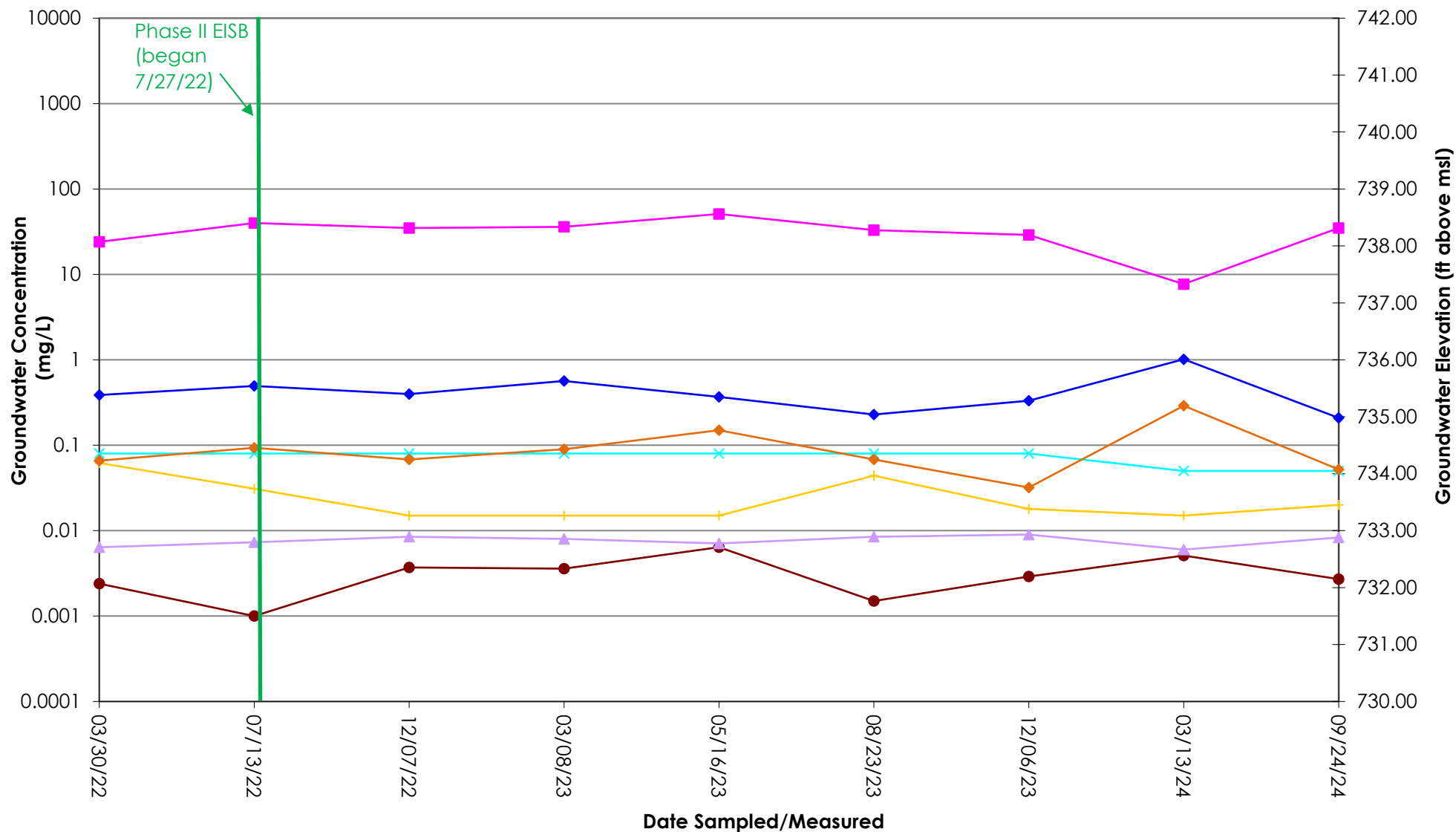
Sunnyside, Washington



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.

