



BUILD NOVA SCOTIA

Harbourside Commercial Park - 2025 Long Term Maintenance and Monitoring Groundwater Event

Final Report



July 2026 – 25-1391-1000



July 13, 2026

Build Nova Scotia
Harbourside Place
45 Wabana Court
Sydney, Nova Scotia
B1P 0B9

Attention: Cory MacPhee, P.Eng.
Project Manager

*Harbourside Commercial Park
2025 Long Term Maintenance and Monitoring Groundwater Event*

Dillon Consulting Limited is pleased to submit the above referenced report for your review. Should you have any questions or comments, please contact the undersigned at nwambolt@dillon.ca, (902) 562-9880 extension 5206 (office) or (902) 565-8539 (cellular).

Sincerely,

DILLON CONSULTING LIMITED

Nadine J. Wambolt, B.Tech., CET
Project Manager, Associate

Beverley Smith, P.Geo.
Site Professional

NJW:lmk

Our file: 25-1391-1000

275 Charlotte Street
Suite 206
Sydney, Nova Scotia
Canada
B1P 1C6
Telephone
902.562.9880

Table of Contents

Executive Summary

1.0	Introduction	1
	1.1 Scope of Work	3
2.0	Project Methodologies	3
	2.1 Health and Safety Processes	3
	2.2 Quality Control Process	5
	2.3 LTMM Groundwater Monitoring Program	6
	2.3.1 Measurement of Water Levels.....	6
	2.3.2 Sample Collection.....	6
	2.3.3 Groundwater Analysis	6
	2.4 Data Compilation/Assessment.....	7
	2.4.1 Regulatory Framework.....	7
	2.4.2 Groundwater Quality Trend Analysis – Mann Kendall	7
3.0	Results	8
	3.1 Weather Conditions and General Observations	8
	3.2 Groundwater Flow	9
	3.3 HCP Findings	9
	3.3.1 HCP Groundwater Quality	11
	3.3.2 Product Check	12
	3.3.3 Trend Analysis.....	12
	3.4 QC Summary	13
	3.4.1 Relative Percent Difference	15
	3.4.2 Laboratory Matrix Spikes, Spiked Blank and Method Blanks	15
	3.4.3 Equipment Blank	15
	3.4.4 Holding Times.....	15

4.0	Summary	16
5.0	Recommendations	17
6.0	Disclaimer	18

Figures

Figure 1: Site Location	2
Figure 2: Study Area	4
Figure 3: Area Features	10
Figure 4: HCP Indicator Parameter Concentration Trend	14

Tables

Table 1: Water Quality Analytical Suites of Parameters	7
Table 2: HCP – PAH Exceedances	9
Table 3: HCP – Summary of Indicator Parameter Concentrations	11
Table 4: HCP – Summary of Product Check	12
Table 5: HCP – Trend Analysis Summary	13

Appendices

A	Analytical Tables
B	Mann Kendall
C	QC Tables
D	Laboratory Certificates

References

Executive Summary

Build Nova Scotia retained Dillon Consulting Limited (Dillon) to conduct the 2025 Long Term Maintenance and Monitoring (LTMM) Program implemented at Harbourside Commercial Park (HCP). The LTMM at HCP consists of an annual groundwater sampling event that includes twenty wells (i.e., thirteen sample wells and seven water level/product check wells).

Twelve of the thirteen monitor wells designated for sampling (noting that SCU32-200-MW could not be located during the 2024 or 2025 LTMMs) were analyzed for polycyclic aromatic hydrocarbons (PAHs), metals and mercury. Analytical data were assessed in comparison to the Nova Scotia Contaminated Sites Regulations (NS CSR) Tier I Environmental Quality Standards (EQS) for groundwater (established in 2013 and updated in October 2022). Where Tier I EQS are not available (e.g., for most PAHs and for metals in groundwater at non-potable sites), the Ontario Ministry of the Environment, Conservation and Parks (MECP) Groundwater Standards (2011) for use under Ontario's Environmental Protection Act were used.

During the 2025 monitoring event, there were no groundwater concentrations above the available NS Tier I EQS. As noted above, for parameters that do not have a Tier I EQS, the MECP standards are used as the comparison criteria. The following is a summary of the MECP standards exceedances reported for the 2025 LTMM program:

- Metals:
 - Consistent with historical findings, sodium concentrations exceeded the MECP standard in SCU24-202-MW. This standard was not intended for use in a marine (saltwater) environment (noting that the site is considered a marine saltwater environment). Marine waters have natural sodium concentrations of 10,000,000 ug/L or higher and, therefore, sodium is not identified as a contaminant of concern associated with the site.
- PAHs:
 - Anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene concentrations exceeded the MECP standards at SCU10-004-MW. Parameter exceedances are consistent with historical LTMM findings; and
 - Consistent with historical findings, anthracene concentrations in MW20-2 exceeded the MECP standard.

Mercury was detected in three wells (i.e., MW20-2, MW20-3 and MW20-4), consistent with previous results; however, concentrations did not exceed the MECP standard.

Findings of the product checks (in seven monitor/recovery wells) indicated that:

- SCU10-004-MW (sampling well): There was no measurable product on groundwater in the monitor well; however, the interface probe had black product on it (appeared to be historical DNAPL, which has smeared and adhered to the PVC wall of the well) when removed. A strong petroleum hydrocarbon odour was noted;
- SCU15-008-MWA/RW: There was no measurable product on groundwater in the recovery well; however, what appeared to be a black (possible petroleum hydrocarbon) sheen was observed on the probe when removed from the recovery well;
- SCU31-002-MWA: There was no measurable product on groundwater in the monitor well; however, the interface probe and tape had black product on it (appeared to be historical LNAPL, which has smeared and adhered to the PVC wall of the well) when removed; and
- RW1: There was no measurable product on groundwater in the recovery well; however, the interface probe had black product on it when removed from the recovery well.

Overall, these observances are consistent with prior site observations.

Results of Mann-Kendall analysis for monitor well SCU10-004-MW (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno (1,2,3-cd) pyrene) indicated a potentially increasing trend, with the exception of anthracene, which was fluctuating (i.e., no trend). Although a potential increasing trend was noted for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno (1,2,3-cd) pyrene at SCU10-004-MW, it is noted that no PAH exceedances have been reported for nearby monitoring well SCU10-001-MW during the LTMM. Further, the 2025 LTMM concentrations are lower than the previous year (i.e., 2024). Therefore, the potential increasing trends can be confirmed during future LTMM monitoring. Mann-Kendall analysis for monitor well MW20-2 (anthracene) indicated fluctuating concentrations (i.e., no trend). Concentrations in MW20-3 (indeno(123-cd) pyrene) indicated a decreasing trend. Concentrations were stable in MW20-4 (anthracene).

This report was prepared by Dillon Consulting Limited for the sole benefit of our client, Build Nova Scotia. The conclusions reflect Dillon's judgment in light of the information available to it at the time of preparation. Any use which a third party makes of this report or any reliance on or decisions made based on it are the responsibilities of such third parties. Dillon accepts no responsibilities for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

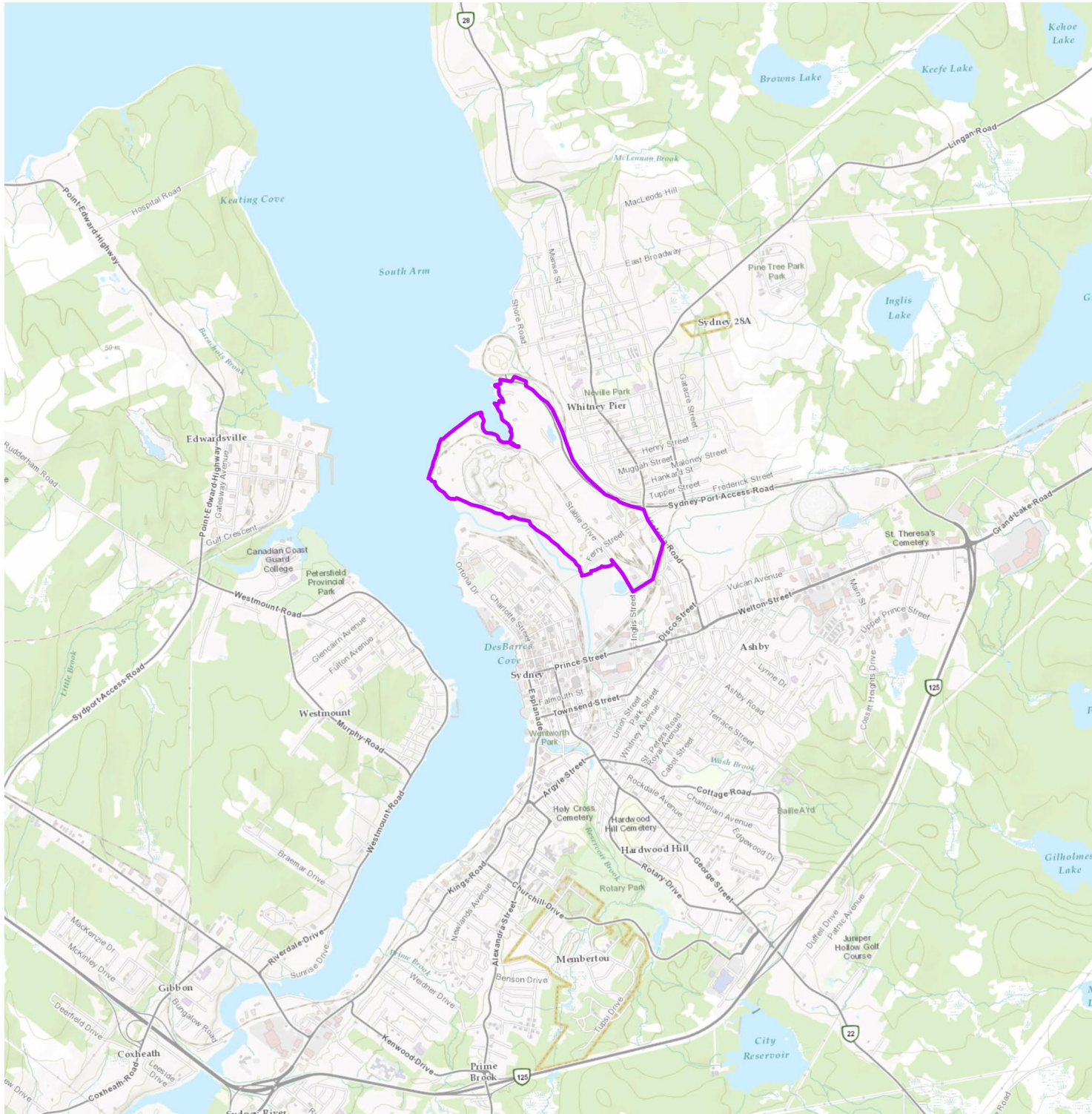
Introduction

Build Nova Scotia is a Crown Corporation of the Province of Nova Scotia responsible for the Long Term Maintenance and Monitoring (LTMM) Program that was implemented at Harbourside Commercial Park (HCP) (Figure 1) following remediation of the Sydney Steel Corporation steel mill. Build Nova Scotia retained Dillon Consulting Limited (Dillon) to conduct the 2025 LTMM program, which consists of an annual groundwater sampling event, that has been ongoing at HCP since 2003. Environmental Site Assessments (ESAs) conducted to date throughout the HCP have identified several groundwater constituents of interest in excess of evaluation criteria (e.g., petroleum hydrocarbons (PHCs), polycyclic aromatic hydrocarbons (PAHs), mercury, and various other metals).

At the onset of the LTMM, the HCP groundwater monitoring program included 25 sampling wells. However, following the sale of three HCP properties to Membertou Development Corporation (Membertou), and following approval from Build Nova Scotia and Nova Scotia Environment and Climate Change (NSECC), the 2017 LTMM program for HCP was reduced to include sampling of twelve monitor wells (including two added monitor wells). In 2018, seven of the twelve monitor wells scheduled for sampling had been decommissioned, destroyed or buried as a result of on-site construction activity, thereby reducing the number of wells to be sampled at HCP to five. The 2020 LTMM included drilling of four new monitor wells strategically located on HCP to replace decommissioned/destroyed monitor wells, while also considering environmental liabilities as related to future expected property sales. These four new monitor wells (i.e., SCU26-200-MW, SCU27-202-MW, SCU32-200-MW and MCES-207-MW) were added to the LTMM program in 2020. Additionally, four monitor wells (i.e., MW20-1 to MW20-4) installed around a containment cell constructed along the southern portion of parcel identification designation number (PID No.) 15881741 (currently leased to Membertou Development Corporation) were added (in 2020) to the program to monitor downstream flow, and to evaluate functionality of the containment cell.

The collection of water levels and the assessment of the presence/absence of product at seven additional monitor/recovery wells (i.e., SCU10-003-MW, SCU11-001-MWA, SCU11-001-MWB, SCU15-008-MWA/RW, SCU31-002-MWA, RW1, and RW2) are also included in the LTMM.

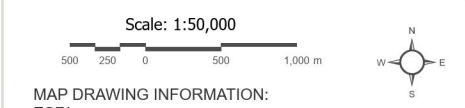
This document details the 2025 groundwater monitoring event. Section 1.1 describes the scope of work. Methodologies are detailed in Section 2.0. Results are presented in Section 3.0 and summarized in Section 4.0. Recommendations are provided in Section 5.0 and the disclaimer is in Section 6.0. Data tables and supporting information are found in appendices referenced throughout the document.



SITE LOCATION

FIGURE 1

 Harbourside Commercial Park



MAP DRAWING INFORMATION:
ESRI

MAP CREATED BY: SCM/HEB
MAP CHECKED BY: NJW
MAP PROJECTION: NAD 1983 UTM Zone 20N



PROJECT: 25-1391
Date 2026-07-10

1.1 Scope of Work

The 2025 LTMM program for the HCP (Figure 2) consists of an annual groundwater sampling event. In accordance with the request for proposal (RFP) BNS-2526-0004 (March 2025), the annual groundwater monitoring services were planned to include sampling at thirteen select monitor wells on the HCP site, and the collection of water levels and a check for presence/absence of product at seven additional monitor/recovery wells. In total, twenty wells (i.e., thirteen sample wells and seven water level/product check wells) were planned to be monitored as part of the 2025 LTMM program. However, consistent with the 2024 LTMM¹, sampling well SCU32-200-MW could not be located and is presumed destroyed. Therefore, the 2025 LTMM included a total of nineteen wells.

During 2025, each of the twelve monitor wells designated for sampling, and one field duplicate sample (i.e., 25FD-03, collected from SCU31-002-MWB), were collected and analyzed for PAHs, metals and mercury.²

2.0 Project Methodologies

Methodologies are provided in the following sub-sections:

- **Section 2.1:** Health and Safety Processes;
- **Section 2.2:** Quality Control (QC) Processes;
- **Section 2.3:** Groundwater Sampling; and
- **Section 2.4:** Data Compilation/Assessment.

2.1 Health and Safety Processes

Dillon developed a site-specific health and safety plan (HSP) for the LTMM. The HSP includes site specific information, such as, local emergency contact information and hospital routes, as well as, but not limited to the following:

- Identification of site activities and potential hazards;
- Description of safe work practices and procedures;
- Description of Personal Protective Equipment (PPE);
- Identification of safety training and first aid requirements; and
- Identification of emergency response procedures.

¹ During the 2024 LTMM, attempts were made to locate SCU32-002-MW using a backhoe and survey equipment; however, the monitoring well could not be located. During the 2025 LTMM, attempts to locate this well were again unsuccessful. Therefore, this well is assumed destroyed.

² As no BTEX or modified TPH exceedances have been reported at SCU10-004-MW since 2015, it was recommended (in the annual 2024 LTMM report) that BTEX/TPH analysis be removed at this monitoring well (which was approved by BNS and NSECC) prior to the 2025 LTMM.



STUDY AREA

FIGURE 2

 Harbourside Commercial Park

Scale: 1:12,500



MAP DRAWING INFORMATION:
ESRI

MAP CREATED BY: SCM/HEB
MAP CHECKED BY: NJW
MAP PROJECTION: NAD 1983 UTM Zone 20N

The project manager reviewed the HSP with field personnel prior to their mobilizing to the site. Field personnel were responsible for following the HSP, including conducting a job hazard analysis upon arrival to the site. Any changes in site conditions were communicated to the project manager.

2.2

Quality Control Process

Data Quality Objectives (DQOs) and applicable Standard Operating Procedures (SOPs) were reviewed with the team prior to embarking on field work. Other QC measures included, but were not necessarily limited to, the following:

- Assignment of a coordinator to oversee field activities;
- Use of dedicated materials and equipment to reduce/prevent the potential of sample contamination;
- For equipment requiring use at multiple stations, appropriate decontamination prior to, and after, each deployment;
- Use of laboratory supplied sample bottles/containers;
- Collection of an appropriate number of duplicates and blanks;
- Proper storage of samples on ice in coolers immediately after collection;
- Timely transport of samples to the laboratory; and
- Daily documentation/review of notes.

Duplicate and Blank Collection

One field duplicate, and one equipment blank sample (associated with the LTMM at OHP and HE and is completed in conjunction with the LTMM at HCP) were collected during the 2025 LTMM event. Relative percent differences were calculated between sample and associated field duplicate results, as discussed in Section 3.2.1.

Laboratory QC

Samples were delivered to Bureau Veritas (BV) Laboratories in Sydney, Nova Scotia for analysis. BV Laboratories are accredited through the Standard Council of Canada (SCC) and is a member of the Canadian Association for Laboratory Accreditation (CALA). BV also applied internal laboratory QC measures including:

- Laboratory duplicates;
- Matrix Spikes (MS);
- Spike Blanks (Process Recovery %); and
- Method blanks.

Laboratory DQOs, including MS recoveries, process recoveries, relative percent differences, and holding times, were reviewed to assess the quality of the data.

2.3 LTMM Groundwater Monitoring Program

The 2025 LTMM program at the HCP consisted of sampling twelve monitor wells, as well as seven monitor/recovery wells checked for product. The annual groundwater monitoring event involved the following activities:

- Measurement of static water levels;
- Low flow groundwater sample collection; and
- Data compilation/assessment and reporting.

2.3.1 Measurement of Water Levels

The total number of monitor wells measured for water levels was nineteen (i.e., twelve sampling and seven monitor/recovery wells that were checked for product). Depth to water and the presence/absence of light non-aqueous phase liquid (LNAPL) and/or dense non-aqueous phase liquid (DNAPL) in wells were manually measured using an interface probe. Measurements were taken from established reference points and water level information was recorded on electronic field sampling sheets.

2.3.2 Sample Collection

Using a peristaltic pump or stainless-steel submersible pump, groundwater was removed from the twelve monitor wells sampled in the HCP area until select field parameters stabilized. The rate of flow (0.1 to 0.4 liters (L)/minute) at each well was controlled by an in-line valve. The water level was measured at 3-minute intervals; if the water level started to drop, the flow rate was reduced to attempt to maintain a constant head. The sample tube was connected to a flow-through cell containing a Horiba U-52 multi-parameter probe. The general stabilization of the following parameters was used as indication that water representative of the groundwater in the aquifer was being collected:

- pH (+/- 0.1 unit);
- Specific conductance (+ / - 3%);
- Temperature (+ / - 3%); and
- Turbidity (+ / -10% for values greater than 1 NTU).

The time required for sampling generally ranged from 15 to 30 minutes, and typically 6 to 12 liters of water was removed. In instances where stabilization of turbidity provided some challenges, additional parameters including dissolved oxygen (DO), and oxidation reduction potential (ORP) were referenced to confirm stabilized conditions.

2.3.3 Groundwater Analysis

Pursuant to RFP BNS-2526-0004 Groundwater Monitoring Services, groundwater samples were analyzed for PAHs and metals, as listed below in Table 1. PAH sample bottles were filled with no head space. Metal aliquots were field filtered (except for mercury) and preserved with nitric acid in order to maintain constituents in solution. Samples were delivered to BV in Sydney, Nova Scotia for analysis.

Table 1: Water Quality Analytical Suites of Parameters

PAHs		Metals (dissolved)	
Acenaphthene	Naphthalene	Aluminum	Mercury (Total)
Acenaphthylene	Perylene	Antimony	Molybdenum
Anthracene	Phenanthrene	Arsenic	Nickel
Benzo(a)anthracene	Pyrene	Barium	Phosphorus
Benzo(a)pyrene	1-Methylnaphthalene	Beryllium	Potassium
Benzo(b)fluoranthene	2-Methylnaphthalene	Bismuth	Selenium
Benzo(j)fluoranthene		Boron	Silver
Benzo(k)fluoranthene		Cadmium	Sodium
Benzo(g,h,i)perylene		Chromium	Strontium
Chrysene		Cobalt	Thallium
Dibenzo(a,h)anthracene		Copper	Tin
Fluoranthene		Iron	Titanium
Fluorene		Lead	Uranium
Indeno(1,2,3-cd)pyrene		Magnesium	Vanadium
		Manganese	Zinc

2.4 Data Compilation/Assessment

The laboratory provided analytical results in a compatible database format, alleviating potential errors associated with manual entry. Data tables generated as part of the 2025 program also include historical groundwater monitoring data.

2.4.1 Regulatory Framework

Pursuant to RFP BNS-2526-0004 Groundwater Monitoring Services, the remedial criteria used for this assessment were the Tier I Environmental Quality Standards (EQS) for groundwater, established pursuant to the Nova Scotia Contaminated Sites Regulations (NS CSR) that came into effect in 2013 and were updated in October 2022. The subject property is classified as having commercial receptors, non-potable groundwater usage and coarse-grained soil. Where Tier I EQS are not available (e.g., for most PAHs and metals in groundwater at non-potable sites), the Ontario Ministry of the Environment, Conservation and Parks (MECP) Groundwater Standards for use under Ontario's Environmental Protection Act were used for comparison purposes.

2.4.2 Groundwater Quality Trend Analysis – Mann Kendall

Mann-Kendall analysis is a non-parametric statistic test routinely used to assess the stability of solute plume. At least four independent sampling events are required to evaluate groundwater quality trends via Mann-Kendall analysis. The Mann-Kendall test procedure starts by comparing the most recent round of water quality data with the results of earlier rounds. Non-detect data values are typically assigned a value that is half the laboratory detection limit. The Mann-Kendall test is not designed to account for

seasonal variation in data, rather Mann-Kendall is used to identify concentration trends in individual wells for individual parameters (i.e., decreasing or increasing) and, if there is no trend, whether conditions are fluctuating or stable.

Select parameters with concentrations above, or historically above, applicable guidelines were selected for Mann-Kendall analysis. These include:

- Modified TPH, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene and indeno(1, 2, 3-cd)pyrene in monitoring well SCU10-004-MW;
- Anthracene in monitoring wells MW20-2 and MW20-4; and
- Indeno(123-cd)pyrene in monitoring well MW20-3.

Groundwater analytical data collected during historical LTMM monitoring events up to and including the 2025 monitoring event were applied for performing the trend analysis. In certain situations, Mann-Kendall analysis results may be biased due to elevated laboratory detection limits. However, non-detected data used in the Mann-Kendall analysis of indicator parameters indicated that the influence of non-detected data is minimal.

3.0 Results

Results are presented in the following subsections:

- **Section 3.1:** Weather Conditions and General Observations;
- **Section 3.2:** Groundwater Flow;
- **Section 3.3:** HCP Findings; and
- **Section 3.4:** QC Summary.

3.1 Weather Conditions and General Observations

Meteorological station Sydney CS is an official in-situ station established by Environment Canada since 1941. Historical precipitation recordings for the Sydney area can be traced back as far as 1870. Comparison of the recordings at the Sydney CS station indicates that precipitation of approximately 1064.3 millimeters (mm) was recorded for 2025, which is 453 mm lower than the normal value of yearly precipitation of 1517 mm (i.e., as recorded between 1981 and 2010) (<http://climate.weather.gc.ca>). The monthly precipitation recorded for November 2025 was 236.8 mm. The total precipitation recorded between November 12, 2025, and November 18, 2025 (the duration of the HCP sampling program) was 25 mm.

Drought conditions were experienced throughout Nova Scotia during the summer/early Fall of 2025.

3.2 Groundwater Flow

Under RFP BNS-2526-0004, provision of equipotential groundwater contours for HCP were not required as part of the 2025-2027 LTMMs. However, based on historical equipotential groundwater contour results, the groundwater flow direction is westerly towards Sydney Harbour.

3.3 HCP Findings

As stated above, the 2025 LTMM for HCP included sampling at twelve monitor wells on the HCP site, and the collection of water levels and the presence/absence of product at seven additional monitor/recovery wells (see Figure 3 for the area features). Analytical data, including available historical data for reference, are presented in Appendix A (i.e., Tables A-1 (PAHs) and A-2 (metals)).

During the 2025 monitoring event, no exceedances of the Tier I EQS were reported in the analyzed groundwater samples. It is noted that total mercury was detected, well below guideline criteria, in three monitoring wells (i.e., MW20-2, MW20-3 and MW20-4) during the 2025 LTMM. Mercury has historically been detected at these particular locations on one or more occasions.

PAH MECP standards (which are used for comparison when no Tier I EQS is available) exceedances are summarized in Table 2, along with comments regarding previous observances.

Table 2: HCP – PAH Exceedances

Monitor Well ID	Analyte and Concentration	MECP Table 3 ¹	Comment
SCU10-004-MW	Anthracene: 31 ug/L	2.4 ug/L	Parameter exceedances are consistent with historical LTMM findings.
	Benzo(a)anthracene: 17 ug/L	4.7 ug/L	
	Benzo(a)pyrene: 12 ug/L	0.81 ug/L	
	Benzo(b)fluoranthene: 8.1 ug/L	0.75 ug/L	
	Benzo(g,h,i)perylene: 4.4 ug/L	0.2 ug/L	
	Benzo(k)fluoranthene: 4.7 ug/L	0.4 ug/L	
	Chrysene: 15 ug/L	1 ug/L	
	Dibenzo(a,h)anthracene: 1.7 ug/L	0.52 ug/L	
	Indeno(1,2,3-cd)pyrene: 5.3 ug/L	0.2 ug/L	
MW20-2	Anthracene: 3.2 ug/L	2.4 ug/L	This exceedance is consistent with historical LTMM results, which also exceeded for this parameter between 2020 to 2024 (except 2023).

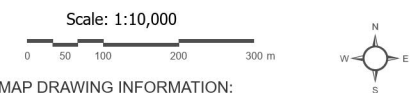
Note:

1. MECP, Table 3 Full Depth Generic Site Condition Standards, Non-potable Groundwater 2011.

AREA FEATURES

FIGURE 3

-  Harbourside Commercial Park
-  Active Water Level/
Product Check Only
-  Active Sample and Water Level
-  Monitoring Well Unable
to be Located

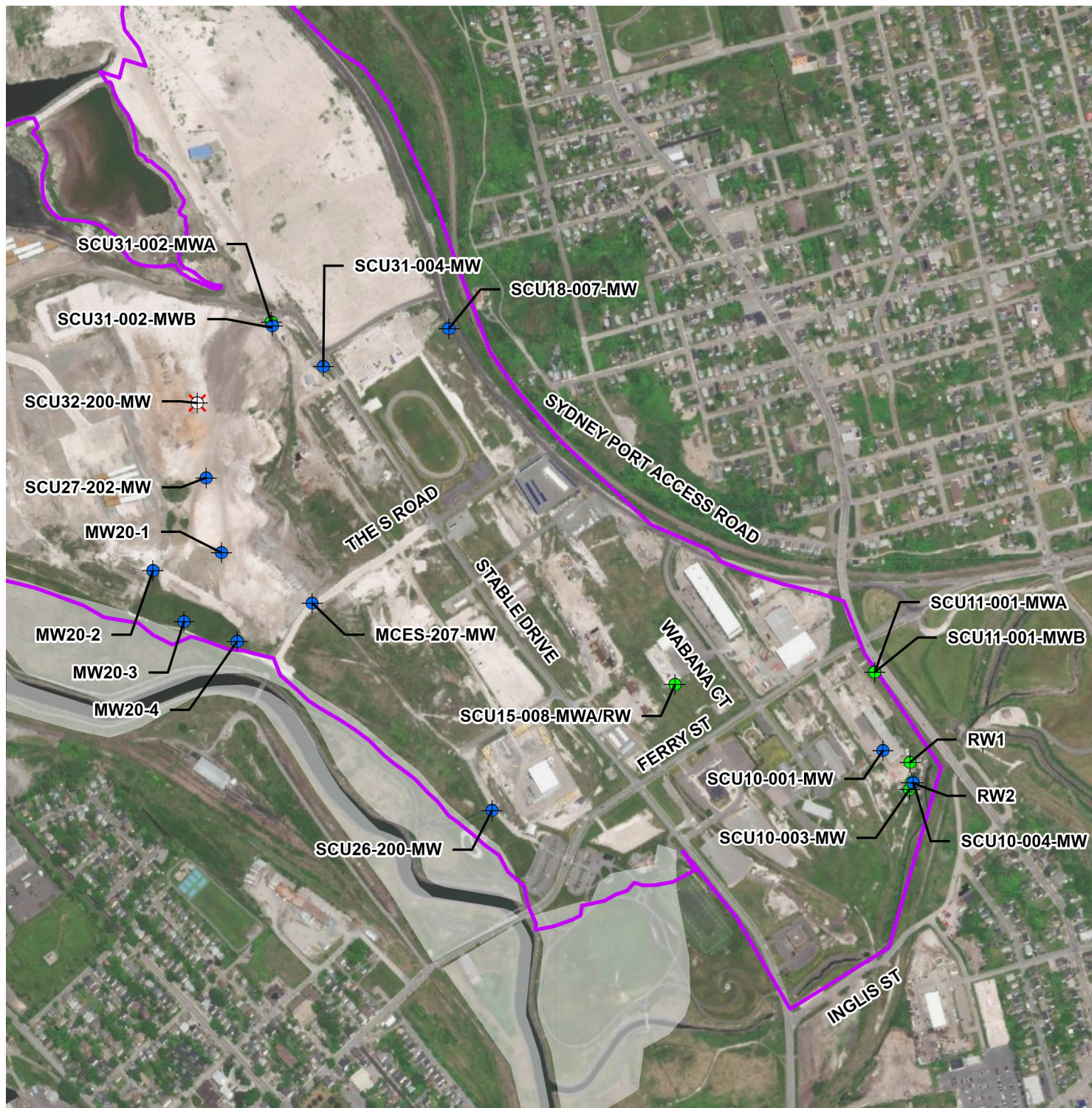


MAP DRAWING INFORMATION:
ESRI

MAP CREATED BY: SCM/HEB
MAP CHECKED BY: NJW
MAP PROJECTION: NAD 1983 UTM Zone 20N



PROJECT: 25-1391
Date: 2026-07-10



Consistent with historical findings, the sodium concentration of 5,900,000 ug/L exceeded the MECP standard (the comparison criteria which are used when no Tier I EQS is available) of 2,300,000 ug/L in SCU27-202-MW. Although the concentration of sodium in SCU27-202-MW was above the MECP standard, this standard was not intended for use in a marine (saltwater) environment (noting that the site is considered a marine saltwater environment). Marine waters have natural sodium concentrations of 10,000,000 ug/L or higher, therefore, sodium is not identified as a contaminant of concern associated with the site.

3.3.1 HCP Groundwater Quality

Table 3 summarizes select indicator parameter concentrations for the only remaining monitor well since the LTMM commenced that has historically exhibited concentrations above applicable comparison criteria (i.e., SCU10-004-MW). As shown in the table, indicator parameter concentrations were within the previously recorded ranges and lower than 2024 levels.

Table 3: HCP – Summary of Indicator Parameter Concentrations

Well ID	Organic Parameter (ug/L)		
	Date	Anthracene	Indeno(1,2,3-cd)pyrene
MECP Table 3 ¹ (when no Tier I EQS is available)		2.4	0.2
SCU10-004-MW	Nov 2010	2.4	0.09
	Oct 2011	13	0.74
	Nov 2012	38	0.75
	Dec 2013	4.0	0.072
	Dec 2014	-	-
	Dec 2015	1100	67
	Nov 2016	18	<1.0
	Dec 2017	5.6	0.12
	Nov 2018	2.3	0.099
	Dec 2019	1.3	0.18
	Dec 2020	8.2	0.16
	Dec 2021	35	1.7
	Dec 2022	1.3	3.3
	Nov 2023	29	2.4
	Nov 2024	110	9.5
	Nov 2025	31	5.3

Notes:

- There are no NS Tier I EQS for groundwater on a site with Coarse-Grained Soil, Non-potable Groundwater and Commercial/Industrial land use (2022) for anthracene or indeno(1,2,3-cd)pyrene. Therefore comparison criteria MECP, Table 3 Full Depth Generic Site Condition Standards, Non-potable Groundwater 2011 was used.

BOLD - Exceeds the MECP Table 3 standards.

3.3.2 Product Check

Observations recorded in the field during LNAPL and DNAPL checks are presented in Table 4.

Table 4: HCP – Summary of Product Check

Well ID	Product Type/ Thickness	Field Observations
SCU10-003-MW	No Measurable Product in Well	Oil/water interface probe did not detect product, no product observed, and no petroleum hydrocarbon odour detected.
SCU10-004-MW*	Trace DNAPL	There was no measurable product on groundwater in the monitor well; however, the interface probe had black product on it (appeared to be historical DNAPL, which has smeared and adhered to the PVC wall of the well) when removed. A strong petroleum hydrocarbon odour was noted.
SCU11-001-MWA*	No Measurable Product in Well	Oil/water interface probe did not detect product, no product observed, and no petroleum hydrocarbon odour detected.
SCU11-001-MWB*	No Measurable Product in Well	Oil/water interface probe did not detect product, no product observed, and no petroleum hydrocarbon odour detected.
SCU15-008-MWA/RW	Trace LNAPL	There was no measurable product on groundwater in the recovery well; however, what appeared to be a black (possible petroleum hydrocarbon) sheen was observed on the probe when removed from the recovery well. No petroleum hydrocarbon odour detected.
SCU31-002-MWA	Trace LNAPL	There was no measurable product on groundwater in the monitor well; however, the interface probe had black product on it (appeared to be historical LNAPL, which has smeared and adhered to the PVC wall of the well) when removed. No petroleum hydrocarbon odour detected.
RW1	No Measurable Product in Well	Oil/water interface probe did not detect product; however, the interface probe had black product on it when removed from the recovery well. No petroleum hydrocarbon odour detected.
RW2	No Measurable Product in Well	Oil/water interface probe did not detect product, no product observed, and no petroleum hydrocarbon odour detected.

Note:

1. * Denotes sampling well

3.3.3 Trend Analysis

The groundwater quality trend analysis for the 2025 monitoring event was based on the available analytical results (i.e., four independent sampling events are required) for select parameters with concentrations above, or historically above, the applicable guidelines. Results of Mann-Kendall analysis are presented on Figure 4 and in Table 5.

The Mann-Kendall analysis was conducted based on the available analytical data, including the 2025 analytical results. Mann Kendall results are presented in Appendix B. For SCU10-004-MW, where potentially increasing trends were identified, it is noted that concentrations in 2025 were lower than 2024 and the highs for these parameters were observed in 2015.

Table 5: HCP – Trend Analysis Summary

Well ID	Parameters	Trend
SCU10-004-MW	Anthracene	Fluctuating
	Benzo(a)anthracene	Potentially Increasing
	Benzo(a)pyrene	Potentially Increasing
	Benzo(b)fluoranthene	Potentially Increasing
	Chrysene	Potentially Increasing
	Indeno(1,2,3-cd)pyrene	Potentially Increasing
MW20-2	Anthracene	Fluctuating
MW20-3	Indeno(123-cd)pyrene	Decreasing
MW20-4	Anthracene	Stable

3.4

QC Summary

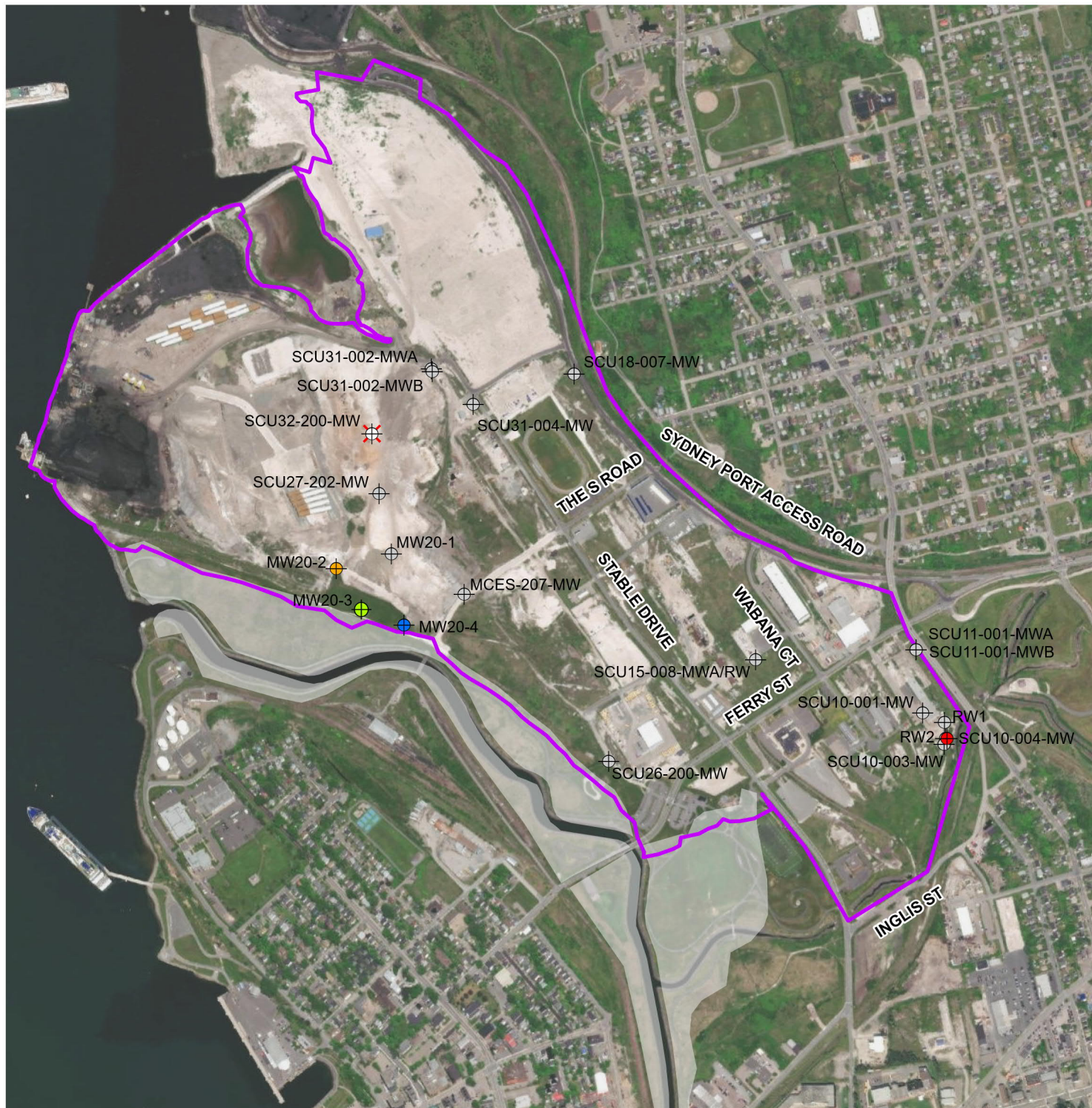
One field duplicate and one equipment blank were collected during the 2025 monitoring event, as presented in Table C-1 (Appendix C). Laboratory certificates of analysis are presented in Appendix D. The results are discussed in the following five sub-sections:

- **Section 3.4.1:** Relative Percent Difference (RPD);
- **Section 3.4.2:** Laboratory Matrix Spikes, Spiked Blank and Method Blanks;
- **Section 3.4.3:** Trip Blank;
- **Section 3.4.4:** Equipment Blank; and
- **Section 3.4.5:** Holding Times.

INDICATOR PARAMETER CONCENTRATION TREND FIGURE 4

Trend Analysis

-  Increasing/Potentially Increasing
-  Stable
-  Fluctuating
-  Decreasing
-  MW Not Located
-  Monitoring Well
-  Harbourside Commercial Park



Scale: 1:12,500
0 50 100 200 300 m



MAP DRAWING INFORMATION:
ESRI

MAP CREATED BY: SCM/HEB
MAP CHECKED BY: NJW
MAP PROJECTION: NAD 1983 UTM Zone 20N

3.4.1 Relative Percent Difference

One field duplicate sample (collected from SCU31-002-MWB) was analyzed and had results suitable for quantitative calculation of Relative Percent Difference (RPD). The RPD was not calculated for those parameters where one or both of the results associated with the original and/or field duplicate sample exhibited concentrations less than five times the RDL. Comparison of the field duplicate data to the original sample indicated the calculated RPDs were within established limits (i.e., less than 40% RPD), as presented in Tables C-2 and C-3 (Appendix C).

3.4.2 Laboratory Matrix Spikes, Spiked Blank and Method Blanks

The laboratory analytical certificates have been reviewed for quality assurance/quality control purposes. The laboratory completes quality control analysis including duplicates, blanks, spikes, surrogate recoveries and spiked blanks to assess accuracy and precision as well as the potential for bias, contamination and degradation or matrix effects. The laboratory data quality is considered acceptable and the results representative with no identification of significant quality issues requiring further investigation or resampling. The quality assurance (QA) report is presented with the certificates of analysis in Appendix D.

3.4.3 Equipment Blank

One equipment blank (i.e., EB-05) was collected associated with the LTMM at OHP and HE (which is completed in conjunction with the LTMM at HCP). The field equipment used for the equipment blank was a stainless-steel interface probe; which is the only piece of field equipment that interacts with each of the monitor wells (i.e., as each well has a dedicated pump or dedicated low flow tubing). No detected metals parameters were reported for the equipment blank sample.

3.4.4 Holding Times

No hold time issues were encountered.

4.0

Summary

The 2025 LTMM program for the HCP consisted of an annual groundwater sampling event at twelve monitor wells (i.e., SCU10-001-MW, SCU10-004-MW, SCU18-007-MW, SCU26-200-MW, SCU27-202-MW, SCU31-002-MWB, SCU31-004-MW, MCEs-207-MW, and MW20-1 to MW20-4), noting that one additional monitoring well planned for sampling (i.e., SCU32-200-MW) could not be located during the 2024 or 2025 LTMMs.

Findings of the 2025 LTMM were compared to NS CSR Tier I EQS (established in 2013 and updated October 2022) for groundwater. Where Tier I EQS were not available, MECP standards were used.

During the 2025 monitoring event, there were no groundwater concentrations above the NS Tier I EQS.

The following is a summary of the MECP standards (the comparison criteria which are used when no Tier I EQS is available) exceedances reported for the 2025 LTMM program:

- Metals:
 - Consistent with historical findings, sodium concentrations exceeded the MECP standard in SCU24-202-MW. This standard was not intended for use in a marine (saltwater) environment (noting that the site is considered a marine saltwater environment). Marine waters have natural sodium concentrations of 10,000,000 ug/L or higher and, therefore, sodium is not identified as a contaminant of concern associated with the site.
- PAHs:
 - Anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene concentrations exceeded the MECP standards at SCU10-004-MW. The remaining parameter exceedances are consistent with historical LTMM findings; and
 - Consistent with historical findings, anthracene concentrations in MW20-2 exceeded the MECP standard.

It is noted that while mercury was detected in three wells (i.e., MW20-2, MW20-3 and MW20-4), this is consistent with previous results, and concentrations did not exceed the MECP standard.

Findings of the product checks (in seven monitor/recovery wells) indicated that:

- SCU10-004-MW (sampling well): There was no measurable product on groundwater in the monitor well; however, the interface probe had black product on it (appeared to be historical DNAPL, which has smeared and adhered to the PVC wall of the well) when removed. A strong petroleum hydrocarbon odour was noted;

- SCU15-008-MWA/RW: There was no measurable product on groundwater in the recovery well; however, what appeared to be a black (possible petroleum hydrocarbon) sheen was observed on the probe when removed from the recovery well;
- SCU31-002-MWA: There was no measurable product on groundwater in the monitor well; however, the interface probe and tape had black product on it (appeared to be historical LNAPL, which has smeared and adhered to the PVC wall of the well) when removed; and
- RW1: There was no measurable product on groundwater in the recovery well; however, the interface probe had black product on it when removed from the recovery well.

Overall, these observances are consistent with prior site observations.

Results of Mann-Kendall analysis for monitor well SCU10-004-MW (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno (1,2,3-cd) pyrene) indicated a potentially increasing trend, with the exception of anthracene, which was fluctuating (i.e., no trend). Although a potential increasing trend was noted for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno (1,2,3-cd) pyrene at SCU10-004-MW, it is noted that no PAH exceedances have been reported for nearby monitoring well SCU10-001-MW during the LTMM. Further, the 2025 LTMM concentrations are lower than the previous year (i.e., 2024). Therefore, the potential increasing trends can be confirmed during future LTMM monitoring. Mann-Kendall analysis for monitor well MW20-2 (anthracene) indicated fluctuating concentrations (i.e., no trend). Concentrations in MW20-3 (indeno(123-cd) pyrene) indicated a decreasing trend. Concentrations were stable in MW20-4 (anthracene).

5.0

Recommendations

The 2026 groundwater monitoring program should include sampling of twelve monitor wells (noting SCU32-200-MW is assumed destroyed), and collection of water level measurements from each sampling well. As no exceedances have been reported for SCU32-200-MW since installation, if this well is not found during the 2026 LTMM, replacement is not deemed necessary at this time. The program should also include checking seven monitor/recovery wells for product.

It is recommended that the groundwater monitoring program continue to include sampling for PAHs and metals (including mercury) parameters, with the following exceptions:

- Based on the LTMM data to date, there have been no reported PAH exceedances at monitoring wells SCU10-001-MW, SCU18-007-MW, SCU31-002-MWB, and SCU31-004-MW. Therefore, it is recommended that PAH analysis be removed at these four locations.

- Based on the LTMM data to date, there have been no reported mercury exceedances at monitoring wells SCU10-001-MW, SCU10-004-MW, SCU18-007-MW, SCU31-002-MWB, SCU26-200-MW³, and SCU31-004-MW since the LTMM commenced. Therefore, it is recommended that mercury analysis be removed at these six locations.

6.0 Disclaimer

This report was prepared exclusively for the purposes, project and site location outlined in the report. The report is based on information provided to or obtained by Dillon Consulting Limited ("Dillon") as indicated in the report and applies solely to site conditions existing at the time of the site investigation. Although a reasonable investigation was conducted by Dillon, Dillon's investigation was by no means exhaustive and cannot be construed as a certification of the absence of any contaminants from the site. Rather, Dillon's report represents a reasonable review of available information within an agreed work scope, schedule and budget. It is therefore possible that currently unrecognized contamination or potentially hazardous materials may exist at the site, and that the levels of contamination or hazardous materials may vary across the site. Further review and updating of the report may be required as local and site conditions, and the regulatory and planning frameworks, change over time.

³ Monitoring well SCU26-200-MW, located on the southeast corner of the site, was added to the program in 2020. We are recommending the removal of mercury analysis for this location based on six consecutive sampling events that have consistently shown non-detectable levels.

Appendix A

Analytical Tables

TABLE A-1
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - PAH

Sample Location (Water Level 2025) ¹³	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(j)fluoranthene ⁵	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Perylene	Phenanthrene	Pyrene
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NS Tier 1 EQS ¹ or MECP Standard ² Table 3 when no Tier I EQS is available.		600 ²	7500 ¹	2.4 ²	4.7 ²	0.81 ²	0.75 ²	0.2 ²	-	0.4 ²	1 ²	0.52 ²	130 ²	400 ²	0.2 ²	1800 ²	1800 ²	7000 ¹	-	580 ²	68 ²
SCU10-001-MW (1.80 m)	12-19-14	3.9	0.63	1.5	0.30	0.18	0.14	0.057	0.084	0.081	0.30	0.020	1.7	4.4	0.056	5.3	9.9	16	0.038	6.9	1.0
	12-11-15	0.024	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018	0.040	<0.010	0.053	0.15	<0.20	<0.010	0.011	0.018
	11-18-16	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	12-4-17	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	11-27-18	0.64	0.10	0.18	0.062	0.020	0.014	<0.020*	<0.010	<0.020*	0.058	<0.010	0.26	0.58	<0.010	0.73	1.1	2.1	<0.010	0.96	0.17
	12-06-19	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	12-02-20	0.021	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.01	<0.010	<0.010	<0.010	<0.010	0.019	<0.010	<0.050	<0.050	<0.20	<0.010	0.026	<0.010
	12-10-21	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	12-06-22	<0.010	<0.010	<0.010	0.024	0.023	0.021	0.018	0.013	0.011	0.018	<0.010	0.038	<0.010	0.013	<0.010	<0.010	0.011	<0.010	0.014	0.037
	11-27-23	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	11-18-24	<0.010	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	11-17-25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
SCU10-004-MW (2.46 m)	9-17-04	1580	194	590	205	111	128	<1	NM	52	173	11.2	882	1420	41	2400	4150	11900	NM	2510	553
	11-19-08	18	2.2	1.7	0.37	0.12	0.08	0.01	NM	0.11	0.32	<0.01	2.4	10	0.01	19	14	21	0.02	5.1	1.7
	11-10-10	37	7.5	2.4	0.28	0.23	0.15	0.09	NM	0.12	0.26	0.03	2.4	18	0.09	38*	37*	180 *	0.04	15	1.6
	10-31-11	51**	10	13	3.1	1.7	1.1	0.61	NM	0.73	2.5	0.27	13	39**	0.74	74**	71**	68 **	0.28	47	8.7
	11-23-12	230**	34**	38**	5.3	1.9	1.4	0.58	NM	1.5	4.0	0.15	38**	140**	0.75	380**	590**	2400 **	0.32	170 **	18
	12-2-13	53**	20	4.0	0.34	0.20	0.14	0.077	0.090	0.089	0.29	0.027	3.5	31	0.072	85**	80**	680 **	0.043	24	2.3
	12-19-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12-11-15	2800	410	1100	360	190	130	67	110	87	310	29	1500	2700	67	3300	6400	11000	41	5300	980
	11-18-16	150	28	18	2.8	<1.0**	<1.0**	<1.0**	<1.0**	<1.0**	2.1	<1.0**	16	95	<1.0**	320	540	3800	<1.0**	76	10
	12-4-17	62	17	5.6	0.66	0.36	0.3	0.13	0.17	0.17	0.54	0.046	6.1	40	0.12	110	140	840	0.07	36	3.6
	11-27-18 ^{FD}	25	6.7	1.7	0.40	0.22	0.18	0.093	0.12	0.12	0.39	<0.040*	1.9	14	0.099	46**	59**	320**	<0.050*	8.0	1.2
	11-27-18	25	6.5	2.3	0.37	0.20	0.16	0.083	0.098	0.11	0.38	0.031	2.0	14	0.086	43**	51**	250**	0.041	8.7	1.2
	12-06-19	29	3.4	1.3	0.54	0.42	0.31	0.18	0.20	0.20	0.50	0.080	2.5	9.7	0.18	7.3	0.16	<0.20	0.085	0.54	1.6
	12-02-20	66**	27	8.2	1	0.48	0.35	0.17	0.24	0.23	0.94	0.060	10	40**	0.16	120**	140**	990**	0.097	34	6.1
	12-10-21	95**	14	35	7.4	4.4	3.6	2.0	2.4	2.3	6.1	0.56	20	60**	1.7	170**	59**	34	1.0	31	15
	12-14-22	1.1	0.98	1.3	5.6	6.5	4.6	3.0	2.9	2.7	4.2	0.98	7.3	0.40	3.3	0.074	0.11	0.21	1.3	0.90	7.3
	11-27-23	94**	18	29	14	7.8	5.0	2.3	3.3	3.3	11	0.82	38**	70**	2.4	160**	190**	730**	1.3	120**	29
	11-26-24	340	45	110	38	24	15	7.9	9.6	9.6	29	3.2	160	270	9.5	390	710	2000	4.9	480	100
	11-18-25	100**	7.6	31	17	12	8.1	4.4	5.5	4.7	15	1.7	62**	79**	5.3	69**	5.5	0.92	2.4	88 **	30

TABLE A-1
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - PAH

Sample Location (Water Level 2025) ¹³	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(j)fluoranthene ⁵	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Perylene	Phenanthrene	Pyrene
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NS Tier 1 EQS ¹ or MECP Standard ² Table 3 when no Tier I EQS is available.		600 ²	7500 ¹	2.4 ²	4.7 ²	0.81 ²	0.75 ²	0.2 ²	-	0.4 ²	1 ²	0.52 ²	130 ²	400 ²	0.2 ²	1800 ²	1800 ²	7000 ¹	-	580 ²	68 ²
SCU18-007-MW (0.65 m)	7-12-06	<0.010	<0.010	<0.010	<0.010	0.02	<0.010	<0.010	NM	<0.010	0.02	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
	11-24-09	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
	9-7-10	1.6	1.9	0.92	0.12	0.02	0.04	0.01	NM	0.01	0.12	<0.010	1.8	3.4	<0.010	6.1	7.1	45	<0.010	2.4	1.2
	11-19-10	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
	10-24-11	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
	10-26-11	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
	12-2-13	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NM	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
	12-4-17	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.010	<0.010	<0.010	<0.010
	11-27-18	0.39	0.090	0.47	0.19	0.096	0.082	0.055	0.041	0.047	0.21	<0.030*	0.81	0.77	0.042	0.18	0.24	0.66	<0.030*	2.2	0.56
	12-06-19	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	12-02-20	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	12-13-21	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.014	0.011
	12-6-22	<0.010	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	11-24-23	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.020*	<0.010
	11-18-24	<0.010	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	11-17-25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.021	0.014

TABLE A-1
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - PAH

Sample Location (Water Level 2025) ¹³	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(j)fluoranthene ⁵	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Perylene	Phenanthrene	Pyrene
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NS Tier 1 EQS ¹ or MECP Standard ² Table 3 when no Tier I EQS is available.		600 ²	7500 ¹	2.4 ²	4.7 ²	0.81 ²	0.75 ²	0.2 ²	-	0.4 ²	1 ²	0.52 ²	130 ²	400 ²	0.2 ²	1800 ²	1800 ²	7000 ¹	-	580 ²	68 ²
SCU31-002-MWB (6.69 m)	9-22-05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NM	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.02	<0.01	<0.01	<0.01
	11-16-10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NM	<0.01	<0.01	<0.01	0.01	0.01	<0.01	<0.05	<0.05	<0.02	<0.01	0.02	0.01
	10-25-11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NM	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.05	<0.05	<0.02	<0.01	0.03	0.02
	11-21-12	0.019	<0.01	0.014	0.032	0.033	0.027	0.024	NM	0.029	0.031	<0.01	0.067	0.010	0.018	<0.05	<0.05	<0.02	<0.01	0.068	0.063
	12/7/13 ^{FD}	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.020	0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.031	0.019
	12-7-13	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.016	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.029	0.016
	12/18/14 ^{FD}	0.061	0.032	0.036	0.072	0.080	0.061	0.053	0.032	0.036	0.085	0.012	0.20	0.074	0.039	0.14	0.12	0.76	0.020	0.20	0.17
	12-18-14	0.046	0.028	0.028	0.051	0.050	0.038	0.026	0.020	0.021	0.064	<0.01	0.13	0.058	0.020	0.11	0.11	0.61	0.011	0.14	0.11
	12/2/15 ^{FD}	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.017	0.01
	12-02-15	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.015	<0.010
	11-17-16	<0.010	<0.010	<0.010	0.017	0.014	0.012	<0.010	<0.010	<0.010	0.017	<0.010	0.035	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.033	0.029
	12/4/17 ^{FD}	<0.010	<0.010	<0.010	0.019	0.016	0.013	0.011	<0.010	<0.010	0.021	<0.010	0.041	<0.010	0.011	<0.050	<0.050	<0.20	<0.010	0.034	0.033
	12-4-17	0.013	<0.010	0.025	0.056	0.052	0.041	0.031	0.024	0.025	0.059	<0.010	0.12	0.017	0.027	<0.050	<0.050	<0.20	0.013	0.1	0.097
	11-27-18	0.11	0.020	0.058	<0.040*	<0.020*	<0.020*	<0.020*	<0.010	<0.010	<0.040*	<0.010	0.096	0.15	<0.010	0.13	0.19	0.29	<0.010	0.34	0.073
	12-06-19 ^{FD}	0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.020	<0.010	<0.010	<0.010	<0.010	0.019	0.024	<0.010	<0.050	<0.050	<0.20	<0.010	0.04	0.017
	12-06-19	0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.017	0.024	<0.010	<0.050	<0.050	<0.20	<0.010	0.043	0.015
	12/02/20 ^{FD}	0.014	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018	0.015	<0.010	<0.050	<0.050	<0.20	<0.010	0.013	0.015
	12-02-20	0.012	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.017	0.015	<0.010	<0.050	<0.050	<0.20	<0.010	0.015	0.014
	12-10-21	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.014	0.011
	12-6-22 ^{FD}	<0.010	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	<0.010
	12-6-22	<0.010	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	11-24-23	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.020*	0.011
	11-20-24	<0.010	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	11-17-25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	11/17/25 ^{FD}	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010

TABLE A-1
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - PAH

Sample Location (Water Level 2025) ¹³	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(j)fluoranthene ⁵	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Perylene	Phenanthrene	Pyrene
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NS Tier 1 EQS ¹ or MECP Standard ² Table 3 when no Tier I EQS is available.		600 ²	7500 ¹	2.4 ²	4.7 ²	0.81 ²	0.75 ²	0.2 ²	-	0.4 ²	1 ²	0.52 ²	130 ²	400 ²	0.2 ²	1800 ²	1800 ²	7000 ¹	-	580 ²	68 ²
SCU31-004-MW (6.43 m)	9-6-05	0.02	<0.01	0.02	0.02	<0.01	<0.01	<0.01	NM	<0.01	0.03	<0.01	0.1	0.01	<0.01	<0.05	<0.05	<0.2	<0.01	0.02	0.17
	12-15-17	0.20	0.51	0.19	0.036	0.022	0.022	0.013	0.013	0.012	0.041	<0.010	0.32	0.73	0.011	0.81	1.0	2.3	<0.010	0.98	0.23
	11-27-18	0.12	0.14	0.18	0.064	<0.020*	0.023	<0.020*	<0.020*	<0.020*	0.072	<0.010	0.27	0.26	<0.010	0.16	0.17	0.22	<0.020*	0.60	0.27
	12-06-19	0.060	0.14	0.026	0.015	<0.010	<0.010	<0.010	<0.01	<0.010	0.021	<0.010	0.053	0.14	<0.01	0.21	0.17	0.46	<0.010	0.13	0.097
	12-02-20	0.28	0.69	0.17	0.018	<0.010	<0.010	<0.010	<0.010	<0.010	0.025	<0.010	0.29	0.94	<0.010	1	0.39	0.64	<0.010	1	0.26
	12-10-21 ^{FD}	0.28	0.072	0.055	0.012	<0.010	<0.010	<0.010	<0.010	<0.010	0.015	<0.010	0.064	0.22	<0.010	0.36	0.54	2.1	<0.010	0.26	0.071
	12-10-21	0.29	0.073	0.055	0.012	<0.010	<0.010	<0.010	<0.010	<0.010	0.017	<0.010	0.068	0.23	<0.010	0.37	0.57	2.2	<0.010	0.26	0.073
	12-14-22	0.29	0.69	0.24	0.018	<0.0090	<0.0070	<0.010	<0.0070	<0.010	0.015	<0.010	0.34	1.1	<0.010	1.2	1.3	2.7	<0.010	1.6	0.23
	11-24-23	0.12	0.27	0.14	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	0.17	0.49	<0.010	0.43	0.53	1.2	<0.010	0.79	0.13
	11-20-24	0.044	0.075	0.024	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	0.049	0.13	<0.010	0.14	0.16	0.35	<0.010	0.17	0.040
	11-17-25	0.70	2.0	0.69	0.024	<0.010	<0.010	<0.010	<0.010	<0.010	0.018	<0.010	0.73	2.7	<0.010	3.0	3.6	8.2	<0.010	4.0	0.45
MCES-207-MW (16.01 m)	12-10-20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.011	<0.01	<0.05	<0.05	<0.2	<0.01	0.017	0.014
	12-13-21	0.019	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.014	0.021	<0.010	<0.050	<0.050	<0.20	<0.010	0.046	<0.010
	12-16-22	0.081	0.011	0.088	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	0.082	0.10	<0.010	0.051	0.054	0.12	<0.010	0.32	0.053
	11-21-23	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.018	<0.010
	11-26-24	<0.010	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.012	<0.010	0.013	<0.010
	11-18-25	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.017	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	0.023	0.014
MW20-1 (8.15 m)	12-3-20	0.41	0.41	0.25	0.034	0.011	<0.01	<0.01	<0.01	<0.01	0.042	<0.01	0.42	0.86	<0.01	4.9	6.2	3.7	<0.01	1.6	0.25
	12-13-21	0.45	0.56	0.29	0.018	<0.010	<0.010	<0.010	<0.010	<0.010	0.019	<0.010	0.41	0.99	<0.010	4.7	5.8	3.5	<0.010	1.8	0.23
	12-6-22	0.29	0.33	0.14	0.014	<0.0090	<0.0070	<0.010	<0.0070	<0.010	0.011	<0.010	0.19	0.52	<0.010	2.8	3.1	2.1	<0.010	0.87	0.11
	11-22-23	0.45	0.52	0.15	0.019	<0.010	<0.010	<0.010	<0.010	<0.010	0.021	<0.010	0.29	0.85	<0.010	3.2	3.8	4.0	<0.010	1.5	0.17
	11-26-24	0.50	0.56	0.25	0.015	<0.0090	<0.0070	<0.010	<0.0070	<0.010	0.010	<0.010	0.17	0.91	<0.010	2.8	3.3	3.6	<0.010	1.5	0.12
	11-18-25	0.46	0.68	0.26	0.024	<0.010	<0.010	<0.010	<0.010	<0.010	0.018	<0.010	0.31	0.92	<0.010	2.5	3.0	3.6	<0.010	1.5	0.17
MW20-2 (9.24 m)	12-3-20	38	5.6	28	9.2	3.4	2.8	1.1	1.9	1.8	9	0.39	38**	37	1.1	38	39**	120**	0.77	82**	30
	12-13-21	23	4.0	5.9	1.2	0.59	0.44	0.20	0.33	0.33	1.0	0.043	7.7	21	0.16	29	31	100**	0.13	29	4.9
	12-16-22	14	1.6	2.8	0.41	0.18	0.14	0.071	0.10	0.094	0.31	0.021	4.2	12	0.075	15	15	47	0.043	18	2.5
	11-21-23	11	1.4	1.8	0.16	0.055	0.054	0.019	<0.040*	0.032	0.17	<0.010	3.1	9.9	0.018	13	15	42**	0.012	14	1.8
	11-26-24	12	1.8	3.6	0.28	0.11	0.080	0.035	0.061	0.054	0.21	0.014	3.0	11	0.042	13	14	40	0.022	16	1.8
	11-18-25	12	1.9	3.2	0.96	0.57	0.38	0.19	0.29	0.27	0.65	0.075	4.8	11	0.21 ¹⁴	13	14	33	0.11	16	2.9

TABLE A-1
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - PAH

Sample Location (Water Level 2025) ¹³	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(j)fluoranthene ⁵	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Perylene	Phenanthrene	Pyrene
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NS Tier 1 EQS ¹ or MECP Standard ² Table 3 when no Tier I EQS is available.		600 ²	7500 ¹	2.4 ²	4.7 ²	0.81 ²	0.75 ²	0.2 ²	-	0.4 ²	1 ²	0.52 ²	130 ²	400 ²	0.2 ²	1800 ²	1800 ²	7000 ¹	-	580 ²	68 ²
MW20-3 (8.28 m)	12-3-20	10	5	17	11	5.7	4.3	2	2.9	2.8	10	0.73	28	15	2.1	12	8.7	44**	1.2	35	20
	12-21-21	0.11	0.14	0.12	0.016	<0.010	<0.010	<0.010	<0.010	<0.010	0.019	<0.010	0.15	0.21	<0.010	0.22	0.16	1.0	<0.010	0.35	0.084
	12-6-22	<0.010	0.068	0.11	0.45	0.52	0.44	0.41	0.23	0.24	0.36	0.085	0.75	0.017	0.38	<0.010	<0.010	0.020	0.14	0.14	0.78
	11-21-23	0.032	0.037	0.059	0.12	0.16	0.14	0.11	0.079	0.080	0.15	0.026	0.36	0.053	0.086	<0.050	<0.050	<0.20	0.038	0.20	0.31
	11-26-24	0.16	0.16	0.067	0.022	<0.0090	<0.0070	<0.010	<0.0070	<0.010	0.012	<0.010	0.21	0.29	<0.010	0.27	0.21	1.3	<0.010	0.53	0.11
	11-26-24 ^{FD}	0.15	0.16	0.072	0.021	<0.0090	<0.0070	<0.010	<0.0070	<0.010	0.011	<0.010	0.20	0.29	<0.010	0.26	0.19	1.3	<0.010	0.50	0.10
	11-18-25	0.21	0.22	0.13	0.023	0.012	0.012	0.013	<0.010	<0.010	0.019	<0.010	0.31	0.40	<0.010	0.33	0.13	<0.20	<0.010	0.51	0.16
MW20-4 (8.62 m)	12-3-20	8.2	6.1	6.1	2.6	1.2	0.93	0.45	0.65	0.61	2.3	0.14	9.5	11	0.43	12	2.3	11	0.29	11	6.3
	12-13-21	5.6	4.8	1.9	0.14	0.032	0.027	0.011	<0.030*	0.019	0.11	<0.010	2.2	8.0	<0.010	10	3.4	22	<0.010	5.4	1.3
	12-6-22	2.2	1.2	0.94	0.12	0.04	0.03	0.014	0.01	0.016	0.078	<0.010	1.7	4.6	<0.010	1.9	0.12	0	<0.010	2	0.9
	11-22-23	7.8	6.4	2.8	0.41	0.24	0.19	0.069	0.14	0.13	0.42	0.023	3.6	11	0.066	14	5.6	37	0.047	11	2.2
	11-26-24	13	13	4.4	0.17	0.052	0.033	0.013	0.027	0.026	0.11	<0.010	2.6	14	0.017	27	9.2	140	<0.010	16	1.5
	11-17-25	5.5	3.2	2.2	0.72	0.45	0.28	0.15	0.23	0.20	0.53	0.058	2.5	7.0	0.16	5.2	0.19	0.62	0.091	7.5	1.6
SCU26-200-MW (8.24 m)	12-10-20	1.4	2.1	0.83	0.063	0.035	0.031	0.015	0.02	0.019	0.075	<0.01	1	2.1	0.017	3.4	3.2	21	0.012	4.8	0.63
	12-10-21	1.0	2.5	0.74	0.052	0.016	0.015	<0.010	0.011	<0.010	0.048	<0.010	0.87	1.4	<0.010	3.1	2.9	19	<0.010	3.5	0.52
	12-6-22	0.5	1	0.28	0.02	<0.0090	<0.0070	<0.010	<0.0070	<0.010	0.018	<0.010	0.4	0.61	<0.010	1.4	1.2	10	<0.010	1.8	0.24
	11-24-23	0.76	1.8	0.39	0.019	<0.010	<0.010	<0.010	<0.010	<0.010	0.021	<0.010	0.62	1.0	<0.010	2.2	2.1	15	<0.010	3.0	0.35
	11-18-24	0.73	1.2	0.29	0.018	<0.0090	<0.0070	<0.010	<0.0070	<0.010	0.017	<0.010	0.47	0.85	<0.010	2.0	1.8	18	<0.010	2.2	0.27
	11-17-25	0.085	0.18	0.051	0.026	<0.010	<0.010	<0.010	<0.010	<0.010	0.022	<0.010	0.28	0.18	<0.010	0.22	0.052	<0.20	<0.010	0.18	0.38
SCU27-202-MW (8.03 m)	12-10-20	0.013	<0.01	0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.027	0.017	<0.01	<0.05	<0.05	<0.2	<0.01	0.05	0.023
	12-13-21	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018	<0.010	<0.010	<0.050	<0.050	<0.20	0.013	0.028	0.012
	12-16-22	<0.010	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.015	<0.010	<0.010	<0.010
	11-21-23	0.049	<0.020*	0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.030	0.039	<0.010	0.074	0.078	0.34	<0.010	0.081	0.022
	11-26-24	0.013	<0.010	<0.010	<0.010	<0.0090	<0.0070	<0.010	<0.0070	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	0.014	0.016	0.047	<0.010	0.026	<0.010
	11-18-25	0.036	<0.010	0.016	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.033	0.035	<0.010	<0.050	<0.050	<0.20	<0.010	0.060	0.023

TABLE A-1
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - PAH

Sample Location (Water Level 2025) ¹³	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(j)fluoranthene ⁵	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Perylene	Phenanthrene	Pyrene
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
NS Tier 1 EQS ¹ or MECP Standard ² Table 3 when no Tier I EQS is available.		600 ²	7500 ¹	2.4 ²	4.7 ²	0.81 ²	0.75 ²	0.2 ²	-	0.4 ²	1 ²	0.52 ²	130 ²	400 ²	0.2 ²	1800 ²	1800 ²	7000 ¹	-	580 ²	68 ²
SCU32-200-MW ¹² (-)	12-3-20	1.4	2.7	0.84	0.11	0.028	0.022	<0.01	0.016	0.015	0.12	<0.01	1.7	2.3	<0.01	3	2.8	9.6	<0.01	4.1	0.95
	12-13-21	1.0	1.1	1.0	0.11	0.012	0.011	<0.010	<0.010	<0.010	0.099	<0.010	2.2	1.8	<0.010	2.2	1.6	5.3	<0.010	4.9	1.3
	12-19-22	0.5	0.25	0.5	0.087	0.011	0.011	<0.010	0.011	<0.010	0.065	<0.010	1.1	0.56	<0.010	0.74	0.44	1.1	<0.010	2.6	0.72
	11-21-23	0.40	0.17	0.43	0.073	0.012	0.015	<0.010	0.011	<0.010	0.084	<0.010	1.3	0.71	<0.010	0.94	0.66	1.8	<0.010	3.1	0.81
	11-21-23 ^{FD}	0.42	0.18	<0.50*	0.076	<0.020*	0.015	<0.010	<0.020*	<0.010	0.086	<0.010	1.4	0.71	<0.010	0.94	0.66	1.9	<0.010	3.2	0.83
	11-26-24	Unable to Locate																			

Notes:

- FD - Field Duplicate
- NM - Not Measured or not analyzed
- µg/L - micrograms per litre
- No applicable guideline criteria.
- 1 - Nova Scotia Environment Environmental Quality Standards for Groundwater (Coarse Grained Soil, Non-potable Groundwater Commercial/Industrial Site) (October 2022).
- 2 - Ontario Ministry of Environment, Conservation and Parks Table 3 Full Depth Generic Site Condition Standards in a Non-potable Groundwater (2011)
- 3 - Bold and Shaded Exceeds NSE Tier I EQS or the MOE standards which are used when no Tier I EQS is available.**
- 4 - *Italicized RDL above applicable guideline*
- 5 - Benzo(j)fluoranthene was historically not included in PAH analysis.
- 6 - * Elevated PAH RDL(s) due to matrix / co-extractive interference.
- 7 - **Elevated PAH RDL(s) due to sample dilution.
- 8 - *** PAH RDL(s) elevated due to detection of compound in blank.
- 9 - SCU10-004-MW was not sampled during the 2014 monitoring event due to product in the well
- 10 - Historical data (i.e., pre-2014) tabulated by SLR Consulting (Canada) Ltd. During historic assessment work, with the exception of SCU31-004-MW, for which data was derived from the Phase II ESA, Sydney Steel Corporation Sysco Blast Furnace Area, Site Classification Units SCU17, SCU19 & SCU31, Sydney, Nova Scotia (AMEC, 2006).
- 11 - This summary is to be used in conjunction with, not as a replacement of, the Laboratory Certificates of Analysis, which contain QA/QC information
- 12 - SCU32-200-MW could not be located during the 2024 or 2025 LTMMs.
- 13 - Water level measurements were collected as meters below top of casing.
- 14 - Concentration is considered to be analytically equivilant to the guideline value rather than an exceedance.

TABLE A-2
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - INORGANIC CHEMISTRY

Sample Location (Water Level 2025)	Sample Date	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Bismuth (Bi)	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Magnesium (Mg)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Phosphorus (P)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Titanium (Ti)	Uranium (U)	Vanadium (V)	Zinc (Zn)	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
MECP Standard Table 3 ²		-	20000	1900	29000	67	-	45000	2.7	-	810	66	87	-	25	-	-	0.29	9200	490	-	-	63	1.5	2300000	-	510	-	-	420	250	1100	
SCU10-001-MW (1.80 m)	12-19-14	120	<1	<1	37	<1	<2	86	0.34	120000	<1	0.79	<2	110	0.78	12000	11000	<0.013	<2	2.1	<100	7800	<1	<0.1	37000	420	<0.1	<2	<2	0.23	<2	35	
	12-11-15	15	<1.0	<1.0	69	<1.0	<2.0	80	0.13	97000	<1.0	1.4	<2.0	190	<0.50	11000	16000	<0.013	<2.0	3.7	140	6500	<1.0	<0.10	43000	380	<0.10	<2.0	<2.0	0.33	<2.0	8.3	
	11-18-16	6.8	<1.0	<1.0	4.7	<1.0	<2.0	99	0.031	72000	<1.0	<0.40	<2.0	<50	<0.50	8000	370	<0.013	<2.0	<2.0	<100	4600	<1.0	<0.10	44000	360	<0.10	<2.0	<2.0	1.2	<2.0	<5.0	
	12-4-17	<5.0	<1.0	1.2	14	<1.0	<2.0	94	0.11	72000	<1.0	<0.40	<2.0	50	<0.50	7900	910	<0.013	<2.0	<2.0	<100	3900	2.1	<0.10	32000	370	<0.10	<2.0	<2.0	1.5	<2.0	<5.0	
	11-27-18	<5.0	1.1	1.5	23	<1.0	<2.0	94	0.013	99000	<1.0	<0.40	<2.0	<50	<0.50	9300	17	<0.013	<2.0	<2.0	<100	3800	2.3	<0.10	32000	450	<0.10	<2.0	<2.0	1.9	<2.0	<5.0	
	12-6-19	<5.0	1.2	1.6	19	<1.0	<2.0	75	0.011	100000	<1.0	<0.40	0.57	<50	<0.50	8000	31	<0.013	3.6	<2.0	110	3700	3.9	<0.10	38000	450	<0.10	<2.0	<2.0	2.5	<2.0	7.1	
	12-2-20	<5.0	1.8	2.1	16	<1.0	<2.0	100	0.038	70000	1	<0.40	0.55	<50	<0.5	6600	52	<0.013	2.2	<2.0	100	3500	4	<0.10	43000	330	<0.10	<2.0	<2.0	2	2.8	7.9	
	12-10-21	<5.0	1.8	2.2	22	<0.10	<2.0	75	<0.010	68000	1	<0.40	<0.50	<50	<0.50	4600	<2.0	<0.013 ⁹	2.2	<2.0	<100	3000	2.7	<0.10	28000	280	<0.10	<2.0	<2.0	1.6	3.3	<5.0	
	12-6-22	6.3	2.0	2.0	22	<0.10	<2.0	74	0.018	73000	1.2	<0.40	0.55	<50	1.1	5200	18	<0.013	2.7	<2.0	<100	3300	3.7	<0.10	39000	310	<0.10	<2.0	<2.0	1.8	3.1	9.6	
	11-27-23	<5.0	2.2	1.9	36	<0.10	<2.0	90	<0.010	76000	1.1	<0.40	<0.50	<50	<0.50	5400	<2.0	<0.013	5.2	<2.0	<100	3400	3.3	<0.10	44000	320	<0.10	<2.0	<2.0	1.7	3.0	6.5	
	11-18-24	<5.0	2.1	1.9	26	<0.10	<2.0	87	<0.010	70000	<1.0	<0.40	<0.50	<50	<0.50	5200	14	<0.013	2.6	<2.0	<100	3400	4.1	<0.10	42000	300	<0.10	<2.0	<2.0	1.8	2.9	<5.0	
11/18/25	<5.0	1.5	1.5	53	<0.10	<2.0	89	<0.010	140000	<1.0	<0.40	<0.50	<50	<0.50	9800	19	<0.013	<2.0	<2.0	<100	4900	4.4	<0.10	85000	580	<0.10	<2.0	<2.0	2.3	2.6	5.2		
SCU10-004-MW (2.46 m)	9-17-04	101	<0.40	15.7	87.2	<0.50	NM	<100	<0.017	244000	<1.0	<1.0	<2.0	<100	NM	1330	10	<0.013	<4.0	<3.0	<100	10000	3	<0.10	151000	1160	<0.80	<20	NM	<0.15	10	2	
	11-19-08	<5.0	1.2	4.3	56	<0.50	<2.0	<100	<0.017	130000	<1.0	<1.0	<2.0	<100	<1.0	6000	14	<0.013	6.9	<3.0	<100	13000	3.1	<0.10	140000	550	<0.80	<20	<3.0	2.4	8.0	<5.0	
	11-10-10	13	<0.40	8.1	49	<0.50	<2.0	<100	<0.017	100000	<1.0	<1.0	<2.0	<100	<1.0	5000	83	<0.013	6.6	<3.0	<100	9000	1.9	<0.10	92000	470	<0.80	<20	<3.0	1.6	7.5	<5.0	
	11-23-12	<5.0	<0.40	0.96	78	<0.50	<2.0	110	<0.017	99000	<1.0	<1.0	<2.0	<100	<1.0	10000	21	0.023	<4.0	<3.0	<100	<600	<1.0	<0.10	13000	6200	<0.80	<20	<3.0	2	<2.0	<5.0	
	12-2-13	39	<1.0	11	57	<1.0	<2.0	69	<0.010	100000	<1.0	<0.40	<2.0	110	<0.50	3600	73	<0.013	5.4	<2.0	<100	10000	1.2	<0.10	100000	540	<0.10	<2.0	2.9	1.2	7.3	6.2	
	12-19-14	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12-11-15	35	<1.0	11	41	<1.0	<2.0	62	0.044	83000	<1.0	<0.40	<2.0	110	<0.50	2800	51	<0.013	6.1	<2.0	170	11000	1.2	<0.10	150000	440	<0.10	<2.0	<2.0	0.8	4.9	<5.0	
	11-18-16	17	<1.0	9.8	55	<1.0	<2.0	66	<0.010	95000	<1.0	<0.40	<2.0	160	<0.50	3600	93	0.013	3.2	<2.0	190	11000	1.7	<0.10	110000	460	<0.10	<2.0	<2.0	0.6	7.7	<5.0	
	12-4-17	12	<1.0	11	51	<1.0	<2.0	57	<0.010	70000	<1.0	<0.40	<2.0	86	<0.50	2300	35	<0.013	3.9	<2.0	170	8800	3.8	<0.10	100000	330	<0.10	<2.0	<2.0	0.56	5.0	<5.0	
	11-27-18 ^{FD}	10	1.3	9.4	42	<1.0	<2.0	55	<0.010	81000	<1.0	<0.40	<2.0	<50	<0.50	3600	23	<0.013	5.2	<2.0	<100	6800	1.7	<0.10	70000	330	<0.10	<2.0	<2.0	0.68	12	<5.0	
	11-27-18	21	1.3	9.4	43	<1.0	<2.0	56	<0.010	80000	<1.0	<0.40	<2.0	<50	<0.50	3500	22	<0.013	5.4	<2.0	<100	6800	1.7	<0.10	70000	320	<0.10	<2.0	<2.0	0.69	13	<5.0	
	12-6-19	8.5	<1.0	6.8	44	<1.0	<2.0	52	0.053	85000	<1.0	<0.40	0.78	<50	<0.50	3400	28	<0.013	5.7	<2.0	<100	6700	1.8	<0.10	67000	410	<0.10	<2.0	<2.0	0.69	12	<5.0	
	12-2-20	14	<1.0	13	53	<1.0	<2.0	64	0.014	81000	<1.0	<0.40	<0.5	100	<0.50	3200	50	<0.013	5	<2.0	110	10000	2.1	<0.10	160000	620	<0.10	&					

TABLE A-2
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - INORGANIC CHEMISTRY

Sample Location (Water Level 2025)		Sample Date	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Bismuth (Bi)	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Magnesium (Mg)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Phosphorus (P)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Titanium (Ti)	Uranium (U)	Vanadium (V)	Zinc (Zn)
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MECP Standard Table 3 ²		-	20000	1900	29000	67	-	45000	2.7	-	810	66	87	-	25	-	-	0.29	9200	490	-	-	63	1.5	2300000	-	510	-	-	420	250	1100	
SCU31-002-MWB (6.69 m)	8-17-05	<5.0	<0.40	<0.60	3200	<0.50	<2.0	<100	<0.017	1200000	<1.0	<1.0	<2.0	<100	<1.0	11000	<4.0	<0.013	<4.0	<3.0	<100	<600	<1.0	<0.10	<300	850	<0.80	<20	<3.0	3	650	NM	
	11-16-10	15	<0.40	<0.60	29	<0.50	<2.0	520	0.025	510000	<1.0	1.3	<2.0	<100	<1.0	110000	520	<0.013	<4.0	<3.0	<100	21000	<1.0	0.28	1500000	19000	<0.80	<20	<3.0	8.4	<2.0	<5.0	
	10-25-11	440	9.1	<0.60	28	<0.50	<2.0	<100	<0.017	380000	<1.0	<1.0	<2.0	<100	<1.0	96000	440	<0.013	<4.0	47	<100	17000	13	<0.10	1300000	13000	<0.80	<20	<3.0	7.1	<2.0	32	
	11-21-12	8.7	<0.40	6.4	47	<0.50	<2.0	560	<0.017	500000	<1.0	1.1	<2.0	<100	<1.0	100000	560	<0.013	4	<3	<100	23000	15	<0.10	1600000	18000	<0.80	<20	<3.0	6.5	4.4	<5.0	
	12-7-13	14	<1.0	1.5	29	<1.0	<2.0	540	<0.010	480000	<1.0	<0.40	<2.0	100	<0.50	99000	530	<0.013	3.0	<2.0	<100	21000	<1.0	<0.10	1500000	17000	<0.10	<2.0	<2.0	7.0	<2.0	<5.0	
	12-7-13 ^{FD}	23	<1.0	1.5	29	<1.0	<2.0	540	0.012	490000	<1.0	<0.40	<2.0	100	<0.50	98000	530	<0.013	3.0	<2.0	100	21000	<1.0	<0.10	1500000	17000	<0.10	<2.0	<2.0	7.1	<2.0	<5.0	
	12-18-14 ^{FD}	140	1.1	1.3	86	<1	<2	550	0.025	450000	<1	<0.4	<2	240	<0.5	99000	560	<0.013	3.0	<2	<100	22000	<1	<0.1	1500000	17000	<0.1	<2	3.5	6.6	<2	7.5	
	12-18-14	30	1.3	1.4	81	<1	<2	570	0.024	450000	<1	<0.4	<2	220	<0.5	100000	560	<0.013	3.1	<2	<100	21000	<1	<0.1	1500000	17000	<0.1	<2	<2	6.4	<2	7.2	
	12-2-15 ^{FD}	<50	<10	<10	33	<10	<20	570	<0.10	440000	<10	<4.0	<20	<500	<5.0	100000	540	<0.013	<20	<20	<1000	20000	<10	<1.0	1500000	17000	<1.0	<20	<20	6.5	<20	<50	
	12-2-15	<50	<10	<10	32	<10	<20	570	<0.10	440000	<10	<4.0	<20	<500	<5.0	99000	520	<0.013	<20	<20	<1000	20000	<10	<1.0	1500000	17000	<1.0	<20	<20	6.8	<20	<50	
	11-17-16	9.8	<1.0	1.3	26	<1.0	<2.0	580	0.011	440000	<1.0	<0.40	<2.0	120	<0.50	97000	530	<0.013	3.0	<2.0	<100	20000	<1.0	<0.10	1400000	17000	<0.10	<2.0	<2.0	6.7	<2.0	<5.0	
	12-4-17 ^{FD}	42	<1.0	1.4	27	<1.0	<2.0	580	0.021	450000	<0.10	<0.40	<2.0	110	<0.50	97000	520	<0.013	3.0	<2.0	<100	20000	<1.0	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.6	<2.0	<5.0	
	12-4-17	18	<1.0	1.5	27	<1.0	<2.0	570	0.022	450000	<1.0	<0.40	<2.0	110	<0.50	97000	510	<0.013	3.2	<2.0	<100	20000	<1.0	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.6	<2.0	<5.0	
	11-27-18	22	<1.0	1.3	27	<1.0	<2.0	570	<0.010	450000	<1.0	<0.40	<2.0	120	1.8	110000	560	<0.013	2.9	<2.0	<100	20000	<1.0	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.4	<2.0	<5.0	
	12-06-19 ^{FD}	13	<1.0	1.4	27	<1.0	<2.0	670	0.013	440000	<1.0	<0.40	<0.50	160	<0.50	100000	560	<0.013	3.3	<2.0	<100	20000	<0.50	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.2	<2.0	<5.0	
	12-6-19	17	<1.0	1.4	27	<1.0	<2.0	680	0.013	440000	<1.0	<0.40	0.65	160	<0.50	110000	560	<0.013	3.5	<2.0	<100	20000	<0.50	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.1	<2.0	<5.0	
	12/02/20 ^{FD}	18	<1.0	1.5	26	<1.0	<2.0	560	<0.01	450000	<1.0	<0.40	<0.50	160	<0.5	100000	540	<0.013	3.1	<2.0	<100	19000	<0.5	<0.1	1400000	17000	<0.1	<2.0	<2.0	6.4	<2.0	<5.0	
	12-2-20	48	<1.0	1.5	25	<1.0	<2.0	550	<0.01	450000	<1.0	<0.40	<0.50	160	<0.5	100000	540	<0.013	3	<2.0	<100	19000	<0.5	<0.1	1400000	17000	<0.1	<2.0	<2.0	6.4	<2.0	<5.0	
	12-10-21	11	<1.0	1.4	22	<0.10	<2.0	530	0.012	440000	<1.0	<0.40	<0.50	120	<0.50	95000	510	<0.013 ⁹	3.1	<2.0	<100	19000	<0.50	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.5	<2.0	<5.0	
	12-06-22 ^{FD}	10	<1.0	1.4	24	<0.10	<2.0	580	0.02	440000	<1.0	<0.40	<0.50	150	<0.50	110000	520	<0.013	3.1	<2.0	<100	20000	<0.50	<0.10	1400000	15000	<0.10	<2.0	<2.0	6.5	<2.0	<5.0	
	12-6-22	19	<1.0	1.4	25	<0.10	<2.0	560	0.024	440000	<1.0	<0.40	<0.50	150	<0.50	100000	520	<0.013	3.1	<2.0	<100	20000	<0.50	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.6	<2.0	<5.0	
	11-24-23	6.2	<1.0	1.3	26	<0.10	<2.0	560	<0.010	440000	<1.0	<0.40	<0.50	170	<0.50	93000	520	<0.013	3.1	<2.0	<100	19000	<0.50	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.5	<2.0	<5.0	
	11-20-24	<5.0	<1.0	1.4	23	<0.10	<2.0	520	<0.010	440000	<1.0	<0.40	<0.50	190	<0.50	91000	490	<0.013	3.1	<2.0	<100	19000	<0.50	<0.10	1300000	15000	<0.10	<2.0	<2.0	6.4	<2.0	<5.0	
	11/17/25	<5.0	<1.0	1.4	25	<0.10	<2.0	550	<0.010	430000	<1.0																						

TABLE A-2
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT 2025
GROUNDWATER ANALYTICAL RESULTS - INORGANIC CHEMISTRY

Sample Location (Water Level 2025) ¹¹	Sample Date	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Barium (Ba)	Beryllium (Be)	Bismuth (Bi)	Boron (B)	Cadmium (Cd)	Calcium (Ca)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Iron (Fe)	Lead (Pb)	Magnesium (Mg)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Nickel (Ni)	Phosphorus (P)	Potassium (K)	Selenium (Se)	Silver (Ag)	Sodium (Na)	Strontium (Sr)	Thallium (Tl)	Tin (Sn)	Titanium (Ti)	Uranium (U)	Vanadium (V)	Zinc (Zn)
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MECP Standard Table 3 ²		-	20000	1900	29000	67	-	45000	2.7	-	810	66	87	-	25	-	-	0.29	9200	490	-	-	63	1.5	2300000	-	510	-	-	420	250	1100
MW20-2 (9.24 m)	12-3-20	750	1.4	27	490	<1	<2	62	0.01	250000	<1	<0.4	<0.5	1500	<0.5	<100	<2	0.41	7.3	<2	<100	69000	22	<0.1	190000	3600	<0.1	<2	<2	<0.1	3.7	<5
	12-13-21	130	<1.0	9.8	250	<0.10	<2.0	<50	<0.010	360000	<1.0	<0.40	<0.50	570	<0.50	<100	<2.0	<0.013 ⁹	13	<2.0	<100	56000	13	<0.10	140000	3300	<0.10	<2.0	<2.0	<0.10	<2.0	<5.0
	12-16-22	54	<1.0	4.9	220	<0.10	<2.0	<50	0.016	360000	<1.0	<0.40	<0.50	240	<0.50	<100	<2.0	0.14	8.8	<2.0	<100	58000	5.2	<0.10	120000	3000	<0.10	<2.0	<2.0	<0.10	<2.0	<5.0
	11-21-23	12	1.3	4.7	24	<0.10	<2.0	96	<0.010	98000	12	<0.40	2.6	120	<0.50	3600	<2.0	0.043	21	<2.0	<100	16000	4.7	<0.10	24000	640	<0.10	<2.0	<2.0	0.48	52	<5.0
	11-26-24	51	<1.0	4.2	150	<0.10	<2.0	<50	<0.010	340000	1.7	<0.40	<0.50	160	<0.50	<100	<2.0	<0.013	30	<2.0	<100	61000	10	<0.10	110000	2400	<0.10	<2.0	<2.0	<0.10	<2.0	<5.0
	11/18/25	33	<1.0	4.1	170	<0.10	<2.0	<50	<0.010	320000	<1.0	<0.40	<0.50	120	<0.50	<100	<2.0	0.072	25	<2.0	<100	64000	8.5	<0.10	110000	2400	<0.10	<2.0	<2.0	<0.10	<2.0	<5.0
MW20-3 (8.28 m)	12-3-20	150	1.1	4.1	35	<1	<2	540	<0.01	150000	<1	<0.4	0.61	<50	<0.5	720	<2	0.16	24	<2	<100	32000	1.6	<0.1	45000	1100	<0.1	<2	<2	<0.1	55	<5
	12-21-21	240	<1.0	2.8	11	<0.10	<2.0	180	<0.010	110000	1.7	<0.40	1.9	<50	<0.50	190	<2.0	<0.013	16	<2.0	<100	27000	3.5	<0.10	32000	1100	<0.10	<2.0	<2.0	<0.10	170	<5.0
	12-6-22	7.9	1.6	4.1	41	<0.10	<2.0	95	0.014	150000	14	<0.40	2	71	<0.50	8400	<2.0	0.048	19	<2.0	<100	16000	6.8	<0.10	22000	740	<0.10	<2.0	<2.0	1.2	38	<5.0
	11-21-23	<50	<10	17	14000	<1.0	<20	3900	<0.10	800000	<10	<4.0	<5.0	80000	<5.0	650000	4200	<0.013	<20	<20	<1000	130000	<5.0	<1.0	4900000	30000	<1.0	<20	<20	<1.0	<20	<50
	11-26-24	410	<1.0	3.5	32	<0.10	<2.0	210	<0.010	130000	<1.0	<0.40	2.6	<50	<0.50	<100	<2.0	0.038	27	3.7	<100	33000	2.6	<0.10	48000	1400	<0.10	<2.0	<2.0	<0.10	82	<5.0
	11-26-24 ^{FD}	410	<1.0	3.4	31	<0.10	<2.0	210	<0.010	120000	<1.0	<0.40	2.6	<50	<0.50	<100	<2.0	0.038	27	3.5	<100	33000	2.5	<0.10	48000	1300	<0.10	<2.0	<2.0	<0.10	81	<5.0
	11/18/25	410	<1.0	3.5	43	<0.10	<2.0	210	<0.010	130000	<1.0	<0.40	2.7	<50	<0.50	<100	<2.0	0.032	30	5.4	<100	34000	2.8	<0.10	51000	1500	<0.10	<2.0	<2.0	<0.10	67	<5.0
MW20-4 (8.62 m)	12-3-20	69	<1	8.3	55	<1	<2	750	0.017	230000	4.4	<0.4	2.6	59	<0.5	3100	2.9	0.068	39	3.6	<100	79000	3.9	<0.1	200000	1800	<0.1	<2	2	<0.1	54	<5
	12-13-21	150	<1.0	4.9	41	<0.10	<2.0	430	0.026	180000	7.5	<0.40	2.5	<50	<0.50	2600	46	<0.013 ⁹	22	<2.0	<100	51000	2.4	<0.10	110000	1600	<0.10	<2.0	<2.0	<0.10	100	6.3
	12-6-22	9.2	<1.0	7.1	44	<0.10	<2.0	920	<0.010	190000	23	<0.40	2.2	67	<0.50	2700	<2.0	<0.013	26	<2.0	<100	60000	2.1	<0.10	270000	1400	<0.10	<2.0	<2.0	<0.10	120	<5.0
	11-21-23	11	<1.0	6.4	51	<0.10	<2.0	680	0.028	190000	<1.0	<0.40	<0.50	<50	<0.50	1500	<2.0	0.020	22	<2.0	<100	57000	2.1	<0.10	140000	1500	<0.10	<2.0	<2.0	<0.10	61	<5.0
	11-26-24	<5.0	<1.0	8.2	91	<0.10	<2.0	1300	<0.010	280000	<1.0	<0.40	<0.50	<50	<0.50	2000	<2.0	0.020	23	<2.0	<100	76000	0.75	<0.10	300000	1900	<0.10	<2.0	<2.0	<0.10	2.9	<5.0
	11/17/25	34	<1.0	7.6	61	<0.10	<2.0	620	<0.010	160000	27	<0.40	6.1	<50	<0.50	2100	<2.0	0.018	15	2.6	<100	54000	4.1	<0.10	270000	1500	<0.10	<2.0	<2.0	<0.10	110	<5.0
SCU26-200-MW (8.24 m)	12-10-20	46	<1	<1	1100	<1	<2	<50	<0.01	710000	<1	<0.4	<0.5	<50	<0.5	<100	6.2	<0.013	5.9	3.5	<100	38000	0.55	<0.1	220000	3200	<0.1	<2	<2	<0.1	3.8	<5
	12-10-21	43	<1.0	<1.0	1000	<0.10	<2.0	<50	0.42	650000	<1.0	<0.40	<0.50	<50	<0.50	<100	2.2	<0.013	5.9	2.1	<100	25000	0.52	<0.10	91000	2700	<0.10	<2.0	<2.0	<0.10	<2.0	<5.0
	12-6-22	36	<1.0	<1.0	1100	<0.10	<2.0	<50	<0.010	680000	<1.0	<0.40	<0.50	<50	<0.50	<100	3.2	<0.013	6.0	2.4	<100	27000	<0.50	<0.10	110000	2900	<0.10	<2.0	<2.0	<0.10	<2.0	<5.0
	11-24-23	31	<1.0	<1.0	910	<0.10	<2.0	<50	<0.010	590000	<1.0	<0.40	<0.50	<50	<0.50	<100	<2.0	<0.013	6.3	2.2	<100	25000	0.61	<0.10	96000	2700	<0.10	<2.0	<2.0	<0.10	2.6	<5.0
	11-18-24	40	<1.0	<1.0	1400	<0.10	<2.0	<50	0.017	810000	<1.0	<0.40	<0.50	<50	<0.50	<100	5.3	<0.013	6.0	2.6	<100	34000	<0.50	<0.10	150000	3600	<0.10	<2.0	<2.0	<0.10	<2.0	<5.0
	11/17/25	38	<1.0	<1.0	130	<0.10	<2.0	<50	<0.010	220000	8.8	<0.40	4.4	<50	1.6	<100	<2.0	<0.013	6.5	<2.0	<100	11000	1.8	<0.10	24000	1000	<0.10	<2.0	<2.0	<0.10	15	<5.0
SCU27-202-MW (8.03 m)	12-10-20	<50	<10	<10	13000	<10	<20	5400	<0.1	950000	<10	<4	<5	84000	<5	740000	5600	0.018	<													

Appendix B

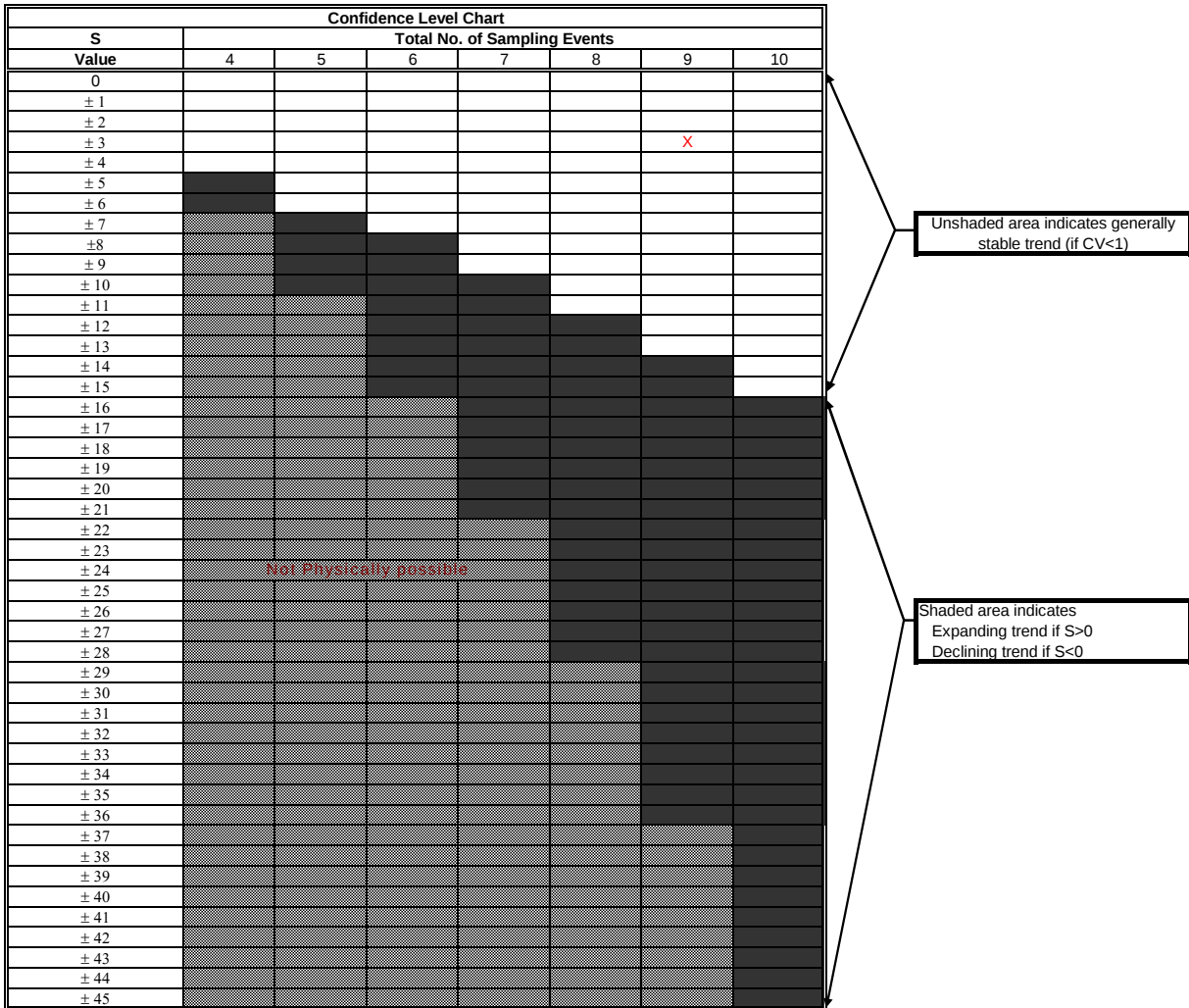
Mann Kendall

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO: SCU10-004-MW					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Modified TPH	63	17	5.4	1.4	2.1	5.2	6.2	3.9	7.8	5.1	
	11-Dec-15	18-Nov-16	4-Dec-17	27-Nov-18	6-Dec-19	2-Dec-20	10-Dec-21	14-Dec-22	27-Nov-23	26-Nov-24	
Row 1: Compare to Event 1:		-1	-1	-1	-1	-1	-1	-1	-1	1	-7
Row 2: Compare to Event 2:			-1	-1	-1	-1	-1	-1	-1	1	-6
Row 3: Compare to Event 3:				-1	-1	-1	1	-1	1	1	-1
Row 4: Compare to Event 4:					1	1	1	1	1	1	6
Row 5: Compare to Event 5:						1	1	1	1	1	5
Row 6: Compare to Event 6:							1	-1	1	1	2
Row 7: Compare to Event 7:								-1	1	1	1
Row 8: Compare to Event 8:									1	1	2
Row 9: Compare to Event 9:										1	1

1/2 detection limit used for nd, historical data assumed EQL of 0.25 mg/L

Mann-Kendall (S) Statistic = **3**



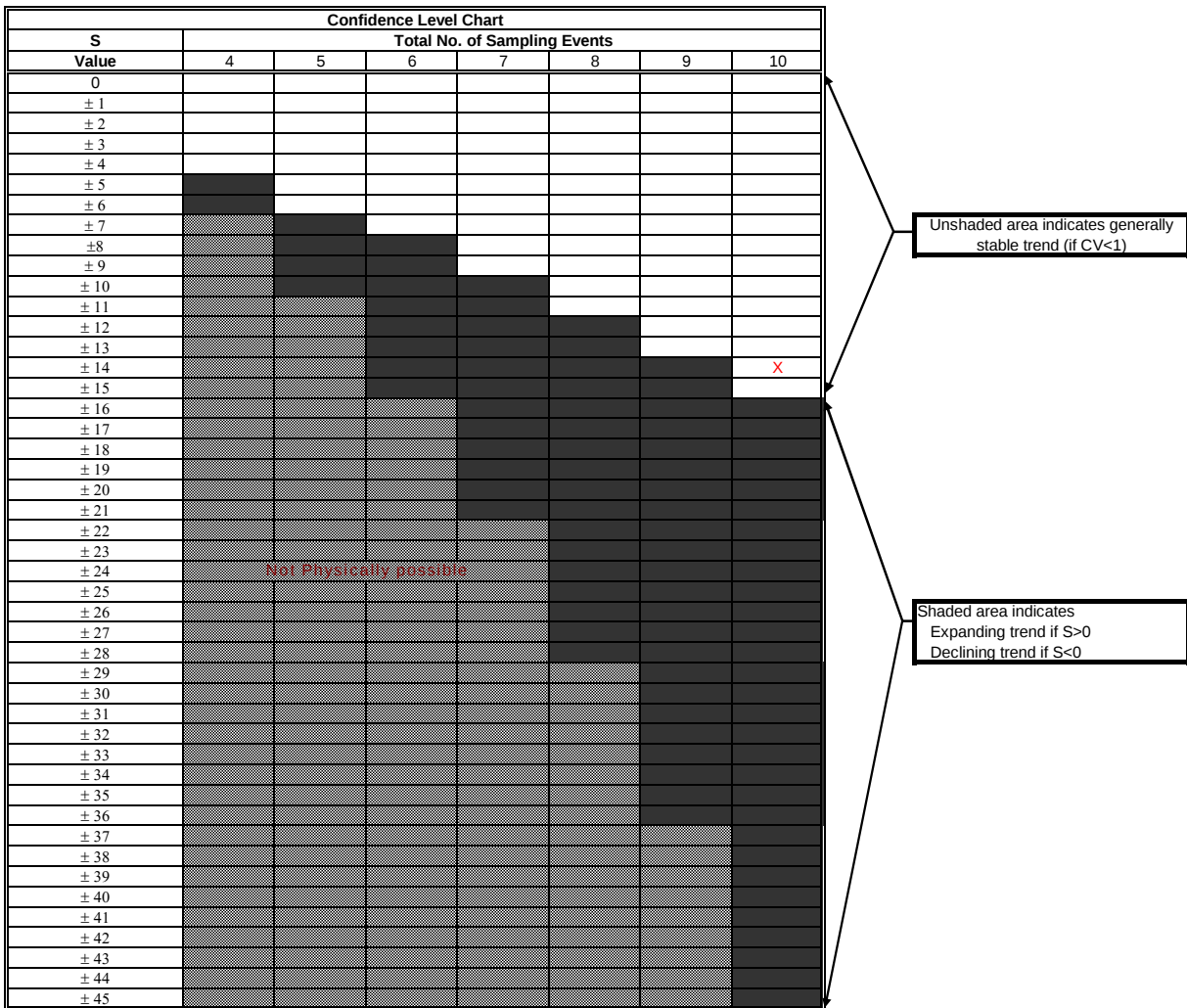
Stability Evaluation Results	
X	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
	Trend Is Present (≥90% Confidence)
S < 0	Diminishing Plume
S > 0	Expanding Plume

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO: SCU10-004-MW					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Anthracene	0.018	0.0056	0.0023	0.0013	0.0082	0.035	0.0013	0.029	0.11	0.031	
	18-Nov-16	4-Dec-17	27-Nov-18	6-Dec-19	2-Dec-20	10-Dec-21	14-Dec-22	27-Nov-23	26-Nov-24	18-Nov-25	
Row 1: Compare to Event 1:		-1	-1	-1	-1	1	-1	1	1	1	-1
Row 2: Compare to Event 2:			-1	-1	1	1	-1	1	1	1	2
Row 3: Compare to Event 3:				-1	1	1	-1	1	1	1	3
Row 4: Compare to Event 4:					1	1	0	1	1	1	5
Row 5: Compare to Event 5:						1	-1	1	1	1	3
Row 6: Compare to Event 6:							-1	-1	1	-1	-2
Row 7: Compare to Event 7:								1	1	1	3
Row 8: Compare to Event 8:									1	1	2
Row 9: Compare to Event 9:										-1	-1

1/2 detection limit used for nd, historical data assumed EQL of 0.01 mg/L

Mann-Kendall (S) Statistic = **14**



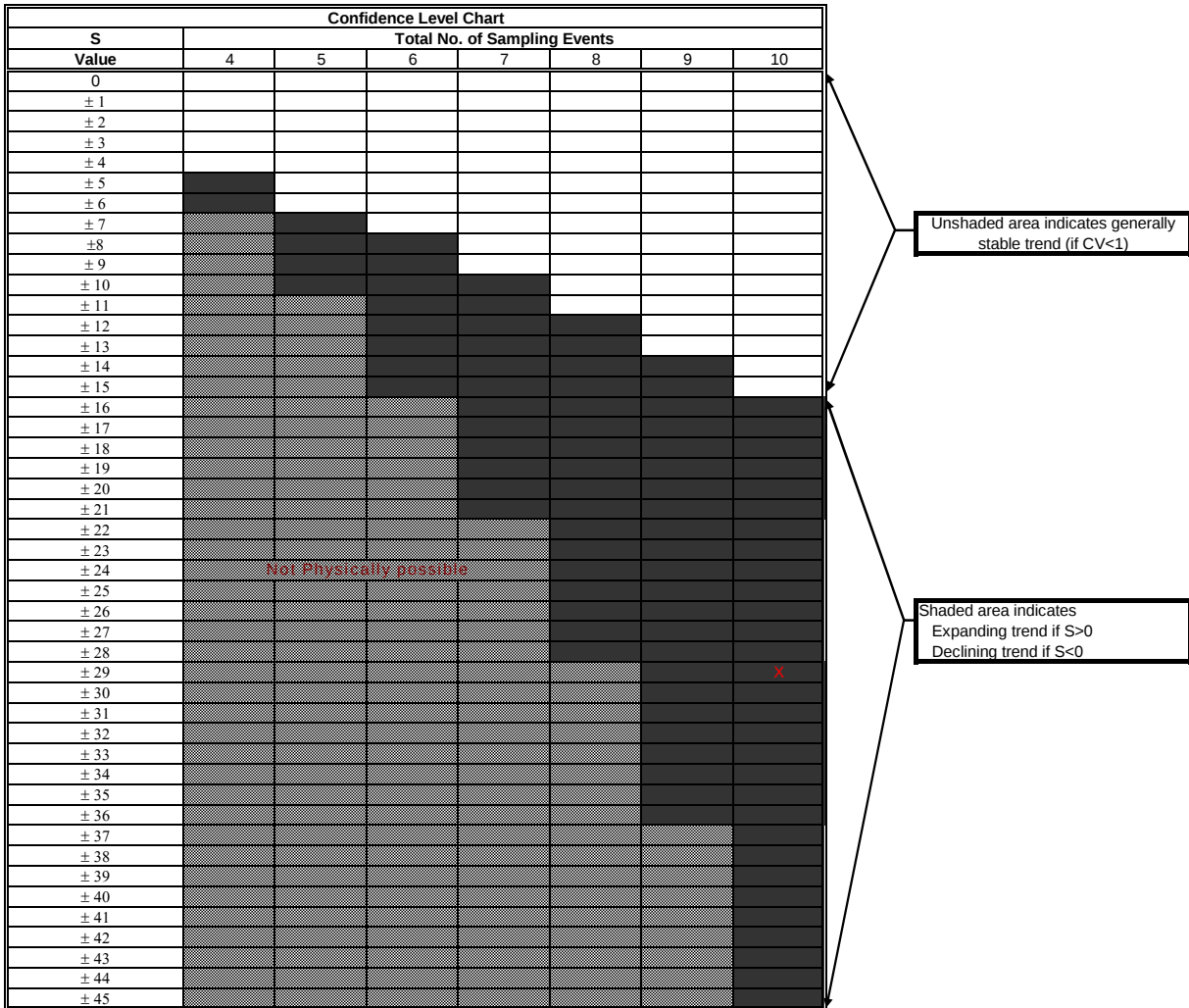
Stability Evaluation Results	
X	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
	Trend Is Present (≥90% Confidence)
S < 0	Diminishing Plume
S > 0	Expanding Plume

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO: SCU00-004-MW					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Benzo(a)anthracene	0.0028	0.00066	0.0004	0.00054	0.001	0.0074	0.0056	0.014	0.038	0.017	
	18-Nov-16	17-Dec-04	18-Nov-27	19-Dec-06	20-Dec-02	21-Dec-10	22-Dec-14	23-Nov-27	26-Nov-24	18-Nov-25	
Row 1: Compare to Event 1:		-1	-1	-1	-1	1	1	1	1	1	1
Row 2: Compare to Event 2:			-1	-1	1	1	1	1	1	1	4
Row 3: Compare to Event 3:				1	1	1	1	1	1	1	7
Row 4: Compare to Event 4:					1	1	1	1	1	1	6
Row 5: Compare to Event 5:						1	1	1	1	1	5
Row 6: Compare to Event 6:							-1	1	1	1	2
Row 7: Compare to Event 7:								1	1	1	3
Row 8: Compare to Event 8:									1	1	2
Row 9: Compare to Event 9:										-1	-1

1/2 detection limit used for nd, historical data assumed EQL of 0.00001 mg/L

Mann-Kendall (S) Statistic = 29



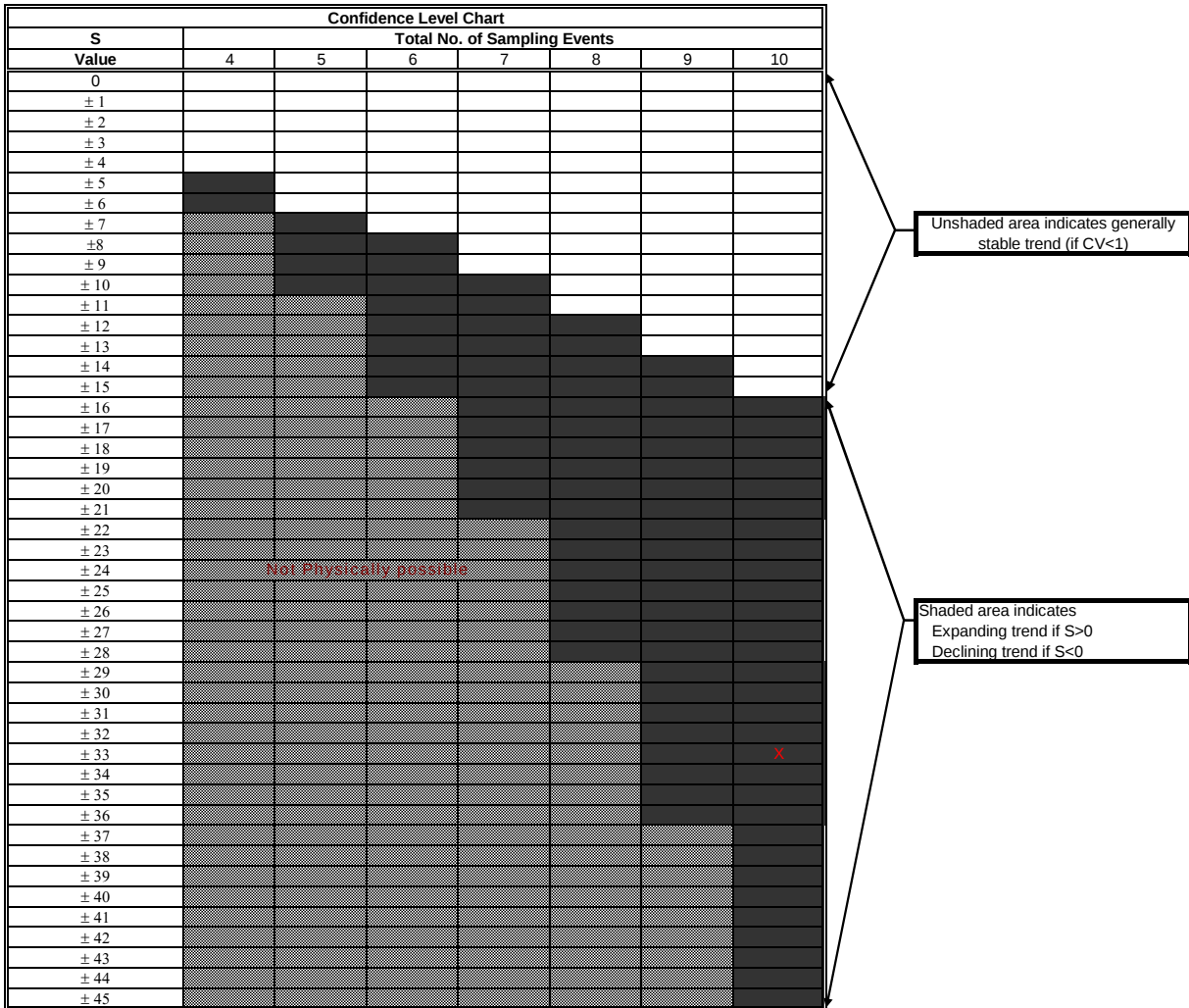
Stability Evaluation Results	
	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
X	Trend Is Present (≥90% Confidence)
	S < 0 Diminishing Plume
X	S > 0 Expanding Plume

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO: SCU10-004-MW					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Benzo(a)pyrene	0.0005	0.00036	0.00022	0.00042	0.00048	0.0044	0.0065	0.0078	0.024	0.012	
	16-Nov-18	17-Dec-04	18-Nov-27	19-Dec-06	20-Dec-02	21-Dec-10	22-Dec-14	23-Nov-27	26-Nov-24	18-Nov-25	
Row 1: Compare to Event 1:		-1	-1	-1	-1	1	1	1	1	1	1
Row 2: Compare to Event 2:			-1	1	1	1	1	1	1	1	6
Row 3: Compare to Event 3:				1	1	1	1	1	1	1	7
Row 4: Compare to Event 4:					1	1	1	1	1	1	6
Row 5: Compare to Event 5:						1	1	1	1	1	5
Row 6: Compare to Event 6:							1	1	1	1	4
Row 7: Compare to Event 7:								1	1	1	3
Row 8: Compare to Event 8:									1	1	2
Row 9: Compare to Event 9:										-1	-1

1/2 detection limit used for nd, historical data assumed EQL of 0.00001 mg/L

Mann-Kendall (S) Statistic = 33



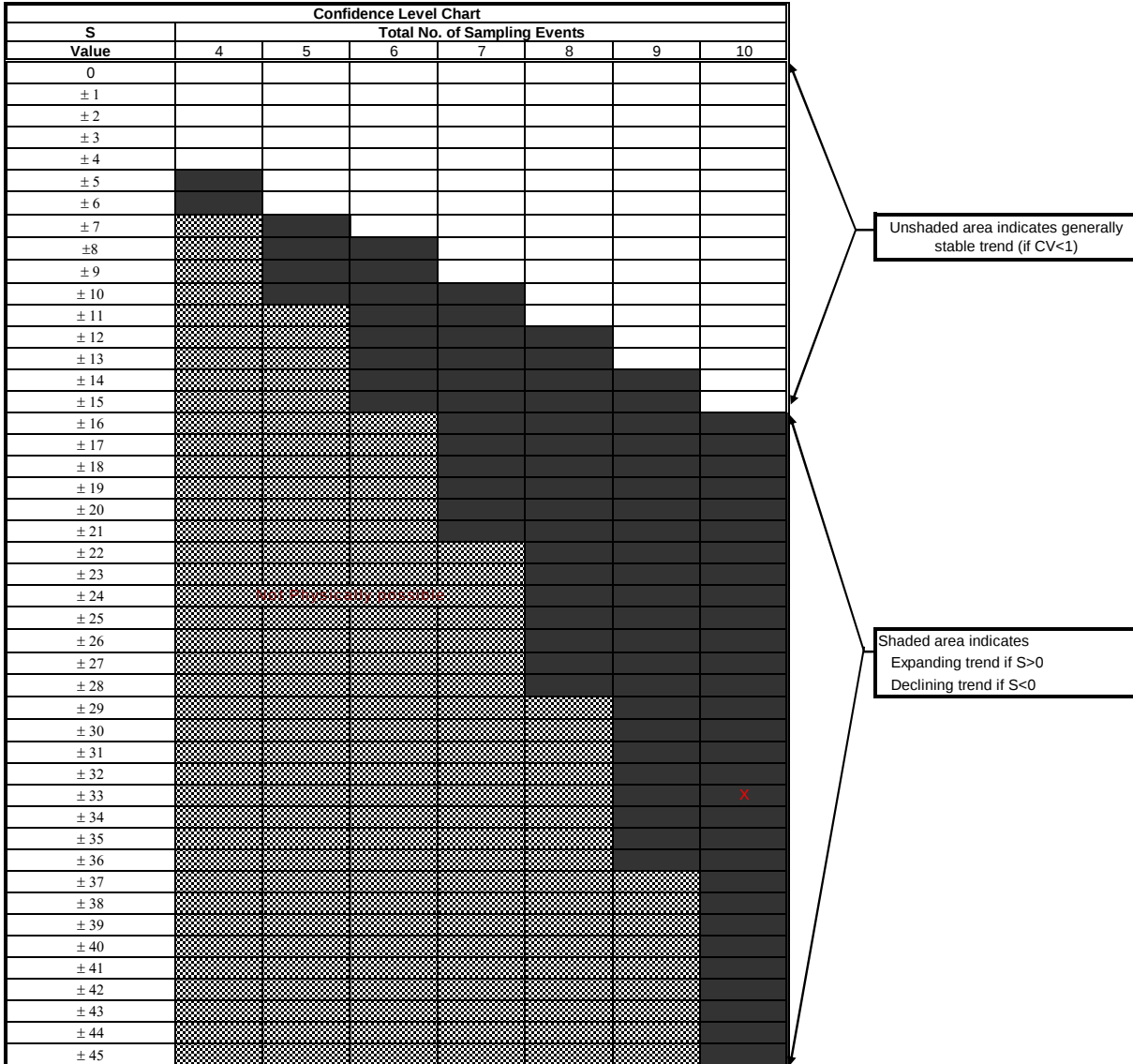
Stability Evaluation Results	
	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
X	Trend Is Present (≥90% Confidence)
	S < 0 Diminishing Plume
X	S > 0 Expanding Plume

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO: SCU10-004-MW					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Benzo(b)fluoranthene	0.0005	0.0003	0.00018	0.00031	0.00035	0.0036	0.0046	0.005	0.015	0.0081	
	16-Nov-18	17-Dec-04	18-Nov-27	19-Dec-06	20-Dec-02	21-Dec-10	22-Dec-14	23-Nov-27	26-Nov-24	18-Nov-25	
Row 1: Compare to Event 1:		-1	-1	-1	-1	1	1	1	1	1	1
Row 2: Compare to Event 2:			-1	1	1	1	1	1	1	1	6
Row 3: Compare to Event 3:				1	1	1	1	1	1	1	7
Row 4: Compare to Event 4:					1	1	1	1	1	1	6
Row 5: Compare to Event 5:						1	1	1	1	1	5
Row 6: Compare to Event 6:							1	1	1	1	4
Row 7: Compare to Event 7:								1	1	1	3
Row 8: Compare to Event 8:									1	1	2
Row 9: Compare to Event 9:										-1	-1

1/2 detection limit used for nd, historical data assumed EQL of 0.00001 mg/L

Mann-Kendall (S) Statistic = 33



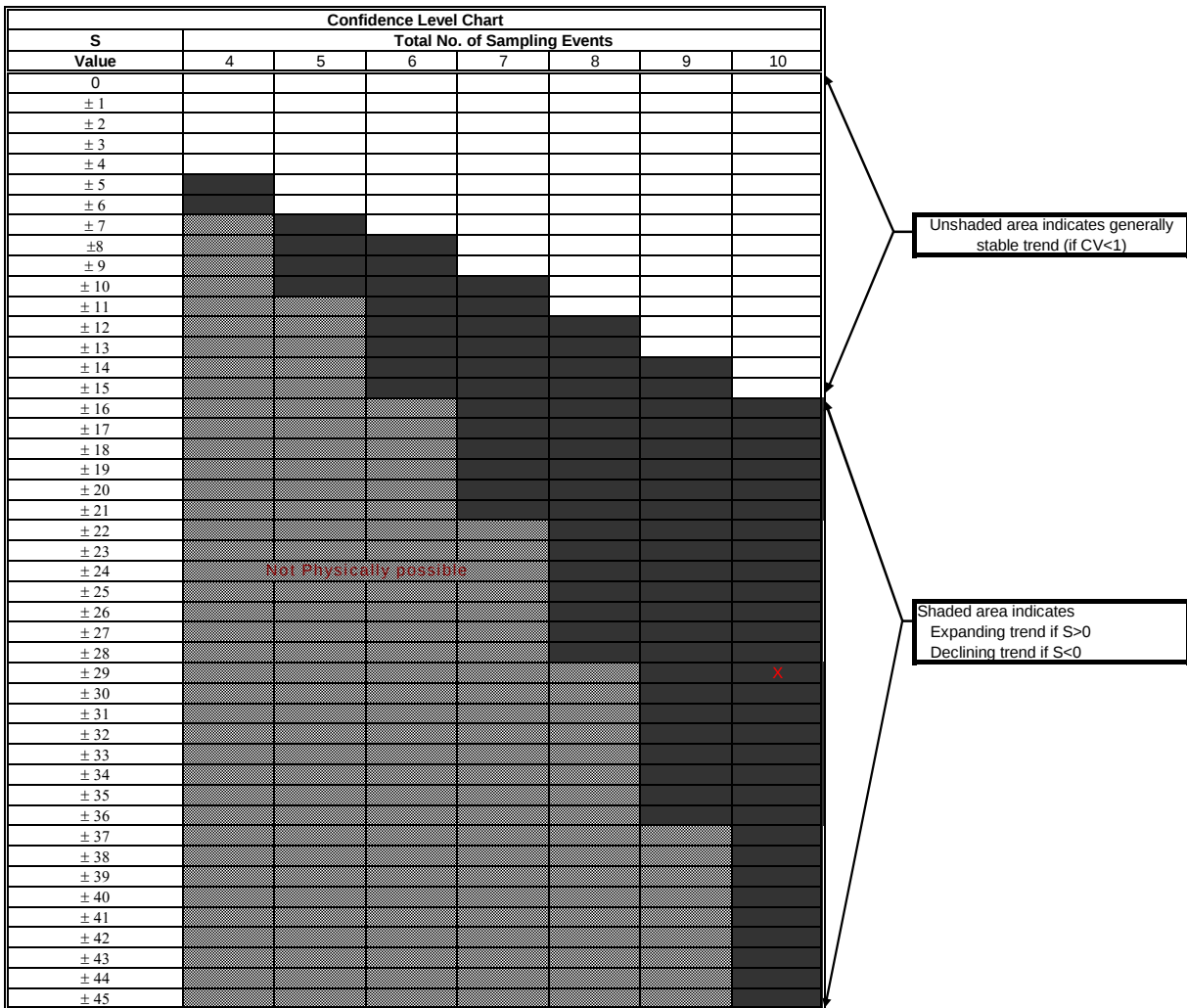
Stability Evaluation Results	
	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
	Trend Is Present (≥90% Confidence)
	S < 0 Diminishing Plume
	S > 0 Expanding Plume

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO: SCU10-004-MW					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Indeno(1,2,3-cd)pyrene	0.0005	0.00012	0.000099	0.00018	0.00016	0.0017	0.0033	0.0024	0.0095	0.0053	
	18-Nov-16	4-Dec-17	27-Nov-18	6-Dec-19	2-Dec-20	10-Dec-21	14-Dec-22	27-Nov-23	26-Nov-24	18-Nov-25	
Row 1: Compare to Event 1:		-1	-1	-1	-1	1	1	1	1	1	1
Row 2: Compare to Event 2:			-1	1	1	1	1	1	1	1	6
Row 3: Compare to Event 3:				1	1	1	1	1	1	1	7
Row 4: Compare to Event 4:					-1	1	1	1	1	1	4
Row 5: Compare to Event 5:						1	1	1	1	1	5
Row 6: Compare to Event 6:							1	1	1	1	4
Row 7: Compare to Event 7:								-1	1	1	1
Row 8: Compare to Event 8:									1	1	2
Row 9: Compare to Event 9:										-1	-1

1/2 detection limit used for nd, historical data assumed EQL of 0.01 mg/L

Mann-Kendall (S) Statistic = 29



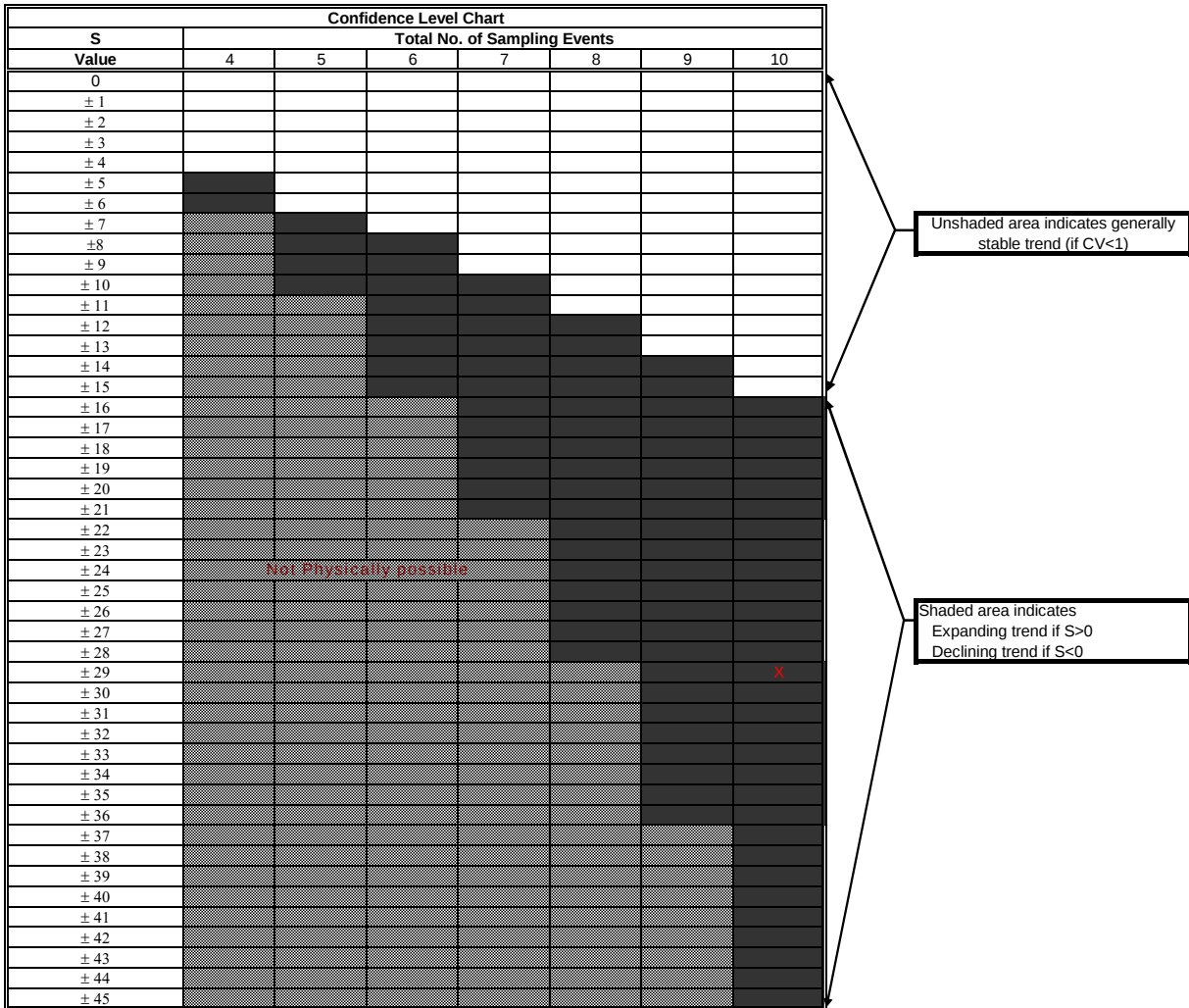
Stability Evaluation Results	
	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
X	Trend Is Present (≥90% Confidence)
	S < 0 Diminishing Plume
X	S > 0 Expanding Plume

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO: SCU10-004-MW					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Chrysene	0.0021	0.00054	0.00039	0.0005	0.00094	0.0061	0.0042	0.011	0.029	0.015	
	16-Nov-18	17-Dec-04	18-Nov-27	19-Dec-06	20-Dec-02	21-Dec-10	22-Dec-14	23-Nov-27	26-Nov-24	18-Nov-25	
Row 1: Compare to Event 1:		-1	-1	-1	-1	1	1	1	1	1	1
Row 2: Compare to Event 2:			-1	-1	1	1	1	1	1	1	4
Row 3: Compare to Event 3:				1	1	1	1	1	1	1	7
Row 4: Compare to Event 4:					1	1	1	1	1	1	6
Row 5: Compare to Event 5:						1	1	1	1	1	5
Row 6: Compare to Event 6:							-1	1	1	1	2
Row 7: Compare to Event 7:								1	1	1	3
Row 8: Compare to Event 8:									1	1	2
Row 9: Compare to Event 9:										-1	-1

1/2 detection limit used for nd, historical data assumed EQL of 0.1 mg/L

Mann-Kendall (S) Statistic = 29



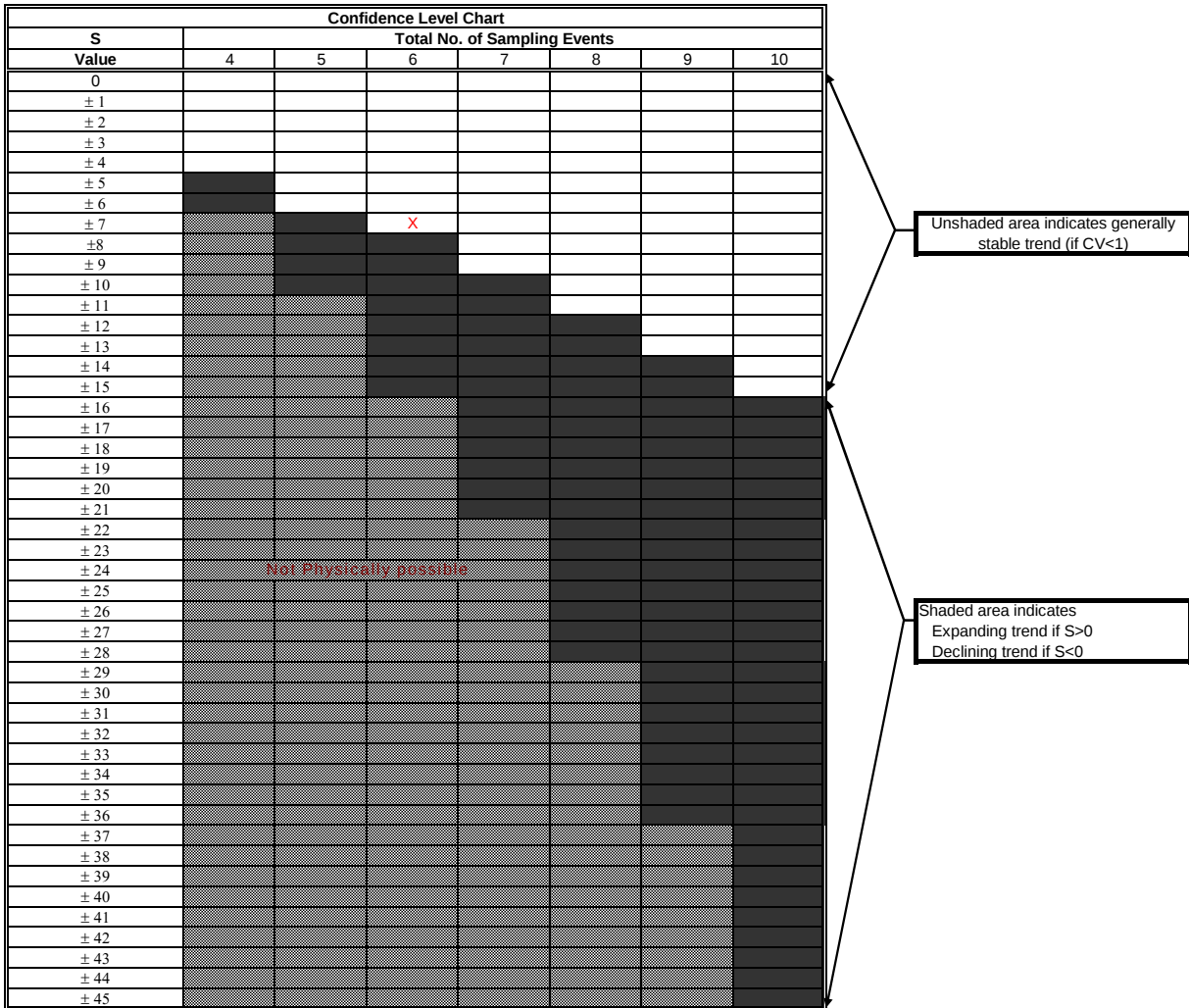
Stability Evaluation Results	
	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
X	Trend Is Present (≥90% Confidence)
	S < 0 Diminishing Plume
X	S > 0 Expanding Plume

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO:					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Anthracene	0.028	0.0059	0.0028	0.0018	0.0036	0.0032					
	3-Dec-20	13-Dec-21	16-Dec-22	23-Nov-23	26-Nov-24	18-Nov-25					
Row 1: Compare to Event 1:		-1	-1	-1	-1	-1	0	0	0	0	-5
Row 2: Compare to Event 2:			-1	-1	-1	-1	0	0	0	0	-4
Row 3: Compare to Event 3:				-1	1	1	0	0	0	0	1
Row 4: Compare to Event 4:					1	1	0	0	0	0	2
Row 5: Compare to Event 5:						-1	0	0	0	0	-1
Row 6: Compare to Event 6:							0	0	0	0	0
Row 7: Compare to Event 7:								0	0	0	0
Row 8: Compare to Event 8:									0	0	0
Row 9: Compare to Event 9:										0	0

1/2 detection limit used for nd, historical data assumed EQL of 0.00001 mg/L

Mann-Kendall (S) Statistic = -7



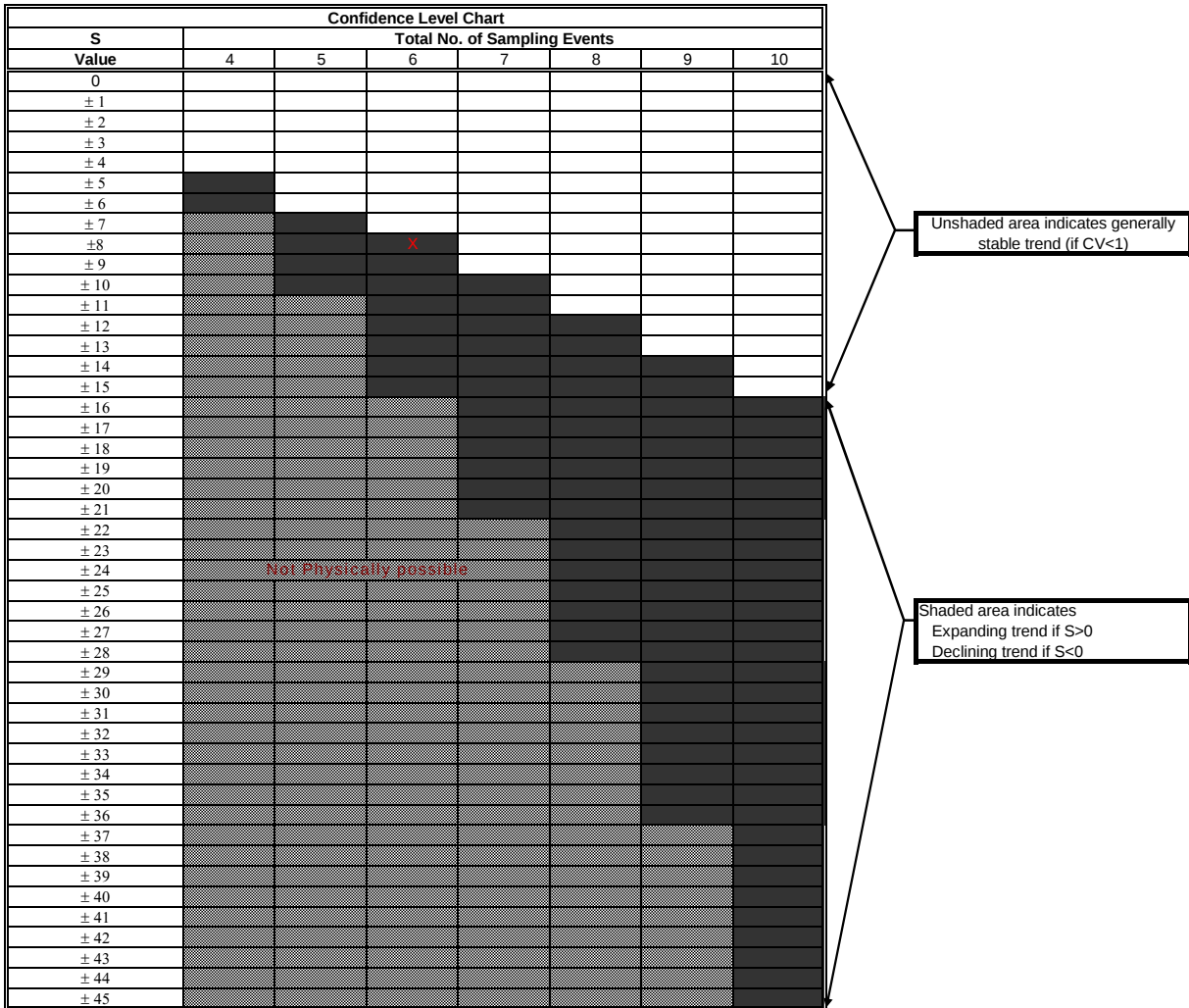
Stability Evaluation Results	
X	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
	Trend Is Present (≥90% Confidence)
S < 0	Diminishing Plume
S > 0	Expanding Plume

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO: MW20-3					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Inden(123-cd)pyrene	0.0021	0.000005	0.00038	0.000086	0.000005	0.000005					
	3-Dec-20	13-Dec-21	6-Dec-22	21-Nov-23	26-Nov-24	18-Nov-25					
Row 1: Compare to Event 1:		-1	-1	-1	-1	-1	0	0	0	0	-5
Row 2: Compare to Event 2:			1	1	0	0	0	0	0	0	2
Row 3: Compare to Event 3:				-1	-1	-1	0	0	0	0	-3
Row 4: Compare to Event 4:					-1	-1	0	0	0	0	-2
Row 5: Compare to Event 5:						0	0	0	0	0	0
Row 6: Compare to Event 6:							0	0	0	0	0
Row 7: Compare to Event 7:								0	0	0	0
Row 8: Compare to Event 8:									0	0	0
Row 9: Compare to Event 9:										0	0

1/2 detection limit used for nd, historical data assumed EQL of 0.00001 mg/L

Mann-Kendall (S) Statistic = -8



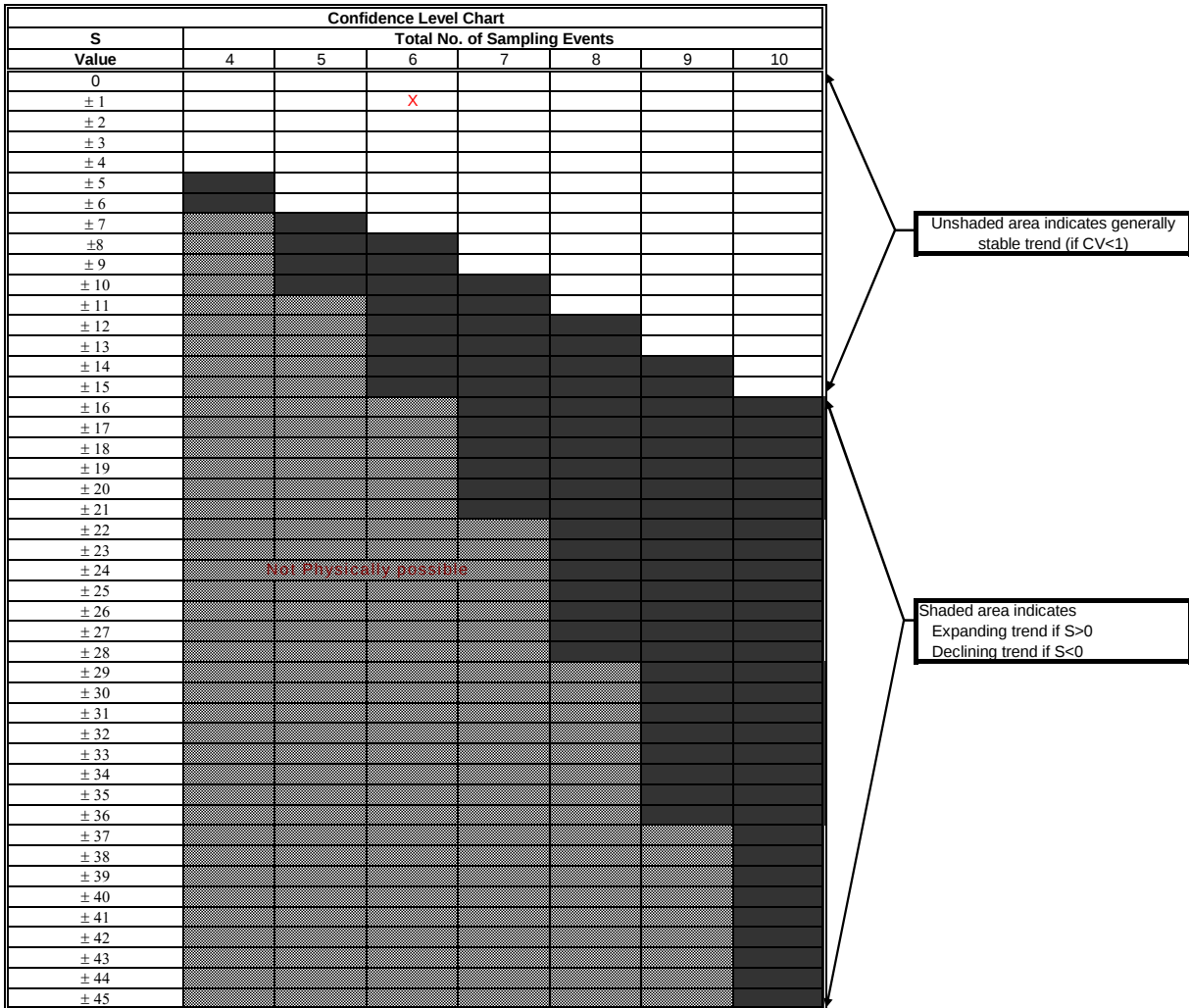
Stability Evaluation Results			
	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)		
X	Trend Is Present (≥90% Confidence)		
X	S < 0	Diminishing Plume	
	S > 0	Expanding Plume	

MANN-KENDALL PLUME STABILITY ANALYSIS
HARBOURSIDE COMMERCIAL PARK (HCP)
LTMM GROUNDWATER MONITORING EVENT
2024

MANN-KENDALL ANALYSIS OF PLUME						MONITORING WELL NO:					
	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Sum Rows
Anthracene	0.0061	0.0019	0.00094	0.0028	0.0044	0.0022					
	17-Nov-10	27-Oct-11	22-Nov-12	26-Nov-13	26-Nov-24	17-Nov-25					
Row 1: Compare to Event 1:		-1	-1	-1	-1	-1	0	0	0	0	-5
Row 2: Compare to Event 2:			-1	1	1	1	0	0	0	0	2
Row 3: Compare to Event 3:				1	1	1	0	0	0	0	3
Row 4: Compare to Event 4:					1	-1	0	0	0	0	0
Row 5: Compare to Event 5:						-1	0	0	0	0	-1
Row 6: Compare to Event 6:							0	0	0	0	0
Row 7: Compare to Event 7:								0	0	0	0
Row 8: Compare to Event 8:									0	0	0
Row 9: Compare to Event 9:										0	0

1/2 detection limit used for nd, historical data assumed EQL of 0.00001 mg/L

Mann-Kendall (S) Statistic = **-1**



Stability Evaluation Results	
X	No Trend Indicated, Plume Not Diminishing or Expanding (Plume is Stable if CV<1)
	Trend Is Present (≥90% Confidence)
S < 0	Diminishing Plume
S > 0	Expanding Plume

Appendix C

QC Tables

**TABLE C-1
HARBOURSIDE COMMERCIAL PARK
LTMM GROUNDWATER MONITORING EVENT 2025
SUMMARY OF FIELD DUPLICATES AND TRIP BLANKS**

Field Duplicate Sample - Laboratory Certificate Number	Date Sampled	Trip Blank Sample - Laboratory Certificate Number	Date Sampled	Equipment Blank Sample - Laboratory Certificate Number	Date Sampled
25FD-03- C5E5646	2025-11-17	-	-	25 EB-01	2025-11-18

Notes:

1. During the annual 2025 LTMM groundwater monitoring event for OHP, HE and HCP, one equipment blank was collected from the OHP and HE site following the decontamination of communal monitoring equipment.
2. FD - Field Duplicate
3. EB - Equipment Blank

TABLE C-2
HARBOURSIDE COMMERCIAL PARK
LTMM GROUNDWATER MONITORING EVENT 2025
RPD FOR FIELD DUPLICATES (GROUNDWATER) - PAHs

Sample Location	Sample ID	Type	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(j)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Perylene	Phenanthrene	Pyrene
				µg/L																			
SCU31-002-MWB	25FD-03	Field Duplicate	2025-11-17	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	SCU31-002-MWB	Regular		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050	<0.20	<0.010	<0.010	<0.010
	--	RPD (%)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
NA - Not applicable if one or both sample results exhibit concentrations less than 5 times the RDL.
Bold - Calculation is outside of the acceptable RPD range.
FD - Field Duplicate
RPD - Relative Percent Difference

TABLE C-3
HARBOURSIDE COMMERCIAL PARK
LTMM GROUNDWATER MONITORING EVENT 2025
RPD FOR FIELD DUPLICATES (GROUNDWATER) - INORGANIC CHEMISTRY

Sample Location	Sample ID	Type	Sample Date	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn
				ug/L															
SCU31-002-MWB	25FD-03	Field Duplicate	2025-11-17	5.0	<1.0	1.4	25	<0.10	<2.0	520	0.010	440000	<1.0	<0.40	<0.50	230	<0.50	94000	510
	SCU31-002-MWB	Regular		<5.0	<1.0	1.4	25	<0.10	<2.0	550	<0.010	430000	<1.0	<0.40	<0.50	230	<0.50	96000	520
	--	RPD (%)	--	0%	NA	0%	0%	NA	NA	6%	NA	2.3%	NA	NA	NA	NA	NA	2.1%	1.9%

Sample Location	Sample ID	Type	Sample Date	Hg	Mo	Ni	P	K	Se	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn
				ug/L														
SCU31-002-MWB	25FD-03	Field Duplicate	2025-11-17	<0.013	3.0	<2.0	<100	20000	<0.50	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.5	<2.0	<5.0
	SCU31-002-MWB	Regular		<0.013	3.1	<2.0	<100	20000	<0.50	<0.10	1400000	16000	<0.10	<2.0	<2.0	6.2	<2.0	<5.0
	--	RPD (%)	--	NA	3%	NA	NA	0%	NA	NA	0%	0%	NA	NA	NA	5%	NA	NA

Notes:

NA - Not applicable if one or both sample results exhibit concentrations less than 5 times the RDL.

Bold - Calculation is outside of the acceptable RPD range.

FD - Field Duplicate

RPD - Relative Percent Difference

Appendix D

Laboratory Certificates



Your Project #: 251391
Site#: HARBOURSIDE COMMERCIAL PARK
Site Location: HARBOURSIDE COMMERCIAL PARK

Attention: Nadine Wambolt

Dillon Consulting Limited
275 Charlotte St
Sydney, NS
CANADA B1P 1C6

Report Date: 2025/11/25
Report #: R8657511
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5E5646

Received: 2025/11/17, 17:00

Sample Matrix: Water
Samples Received: 7

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Benzo(b/j)fluoranthene Sum (water) (1)	7	N/A	2025/11/25	N/A	Auto Calc.
Mercury - Total (CVAA,LL) (1)	7	2025/11/24	2025/11/24	ATL SOP 00026	EPA 245.1 R3 m
Metals Water Diss. MS- Field Filtered (1)	2	N/A	2025/11/20	ATL SOP 00058	EPA 6020B R2 m
Metals Water Diss. MS- Field Filtered (1)	2	N/A	2025/11/21	ATL SOP 00058	EPA 6020B R2 m
Metals Water Diss. MS- Field Filtered (1)	3	N/A	2025/11/24	ATL SOP 00058	EPA 6020B R2 m
PAH in Water by GC/MS (SIM) (1)	4	2025/11/20	2025/11/21	ATL SOP 00103	EPA 8270E R6 m
PAH in Water by GC/MS (SIM) (1)	3	2025/11/20	2025/11/22	ATL SOP 00103	EPA 8270E R6 m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Bedford, 200 Bluewater Rd Suite 105, Bedford, NS, B4B 1G9



Your Project #: 251391
Site#: HARBOURSIDE COMMERCIAL PARK
Site Location: HARBOURSIDE COMMERCIAL PARK

Attention: Nadine Wambolt

Dillon Consulting Limited
275 Charlotte St
Sydney, NS
CANADA B1P 1C6

Report Date: 2025/11/25
Report #: R8657511
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5E5646

Received: 2025/11/17, 17:00

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

25 Nov 2025 15:30:17

Please direct all questions regarding this Certificate of Analysis to:

Natalie MacAskill, Key Account Specialist

Email: Natalie.MacAskill@bureauveritas.com

Phone# (902)567-1255 Ext:17

=====

This report has been generated and distributed using a secure automated process.

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Kathy Martin, Laboratory Manager responsible for Nova Scotia Environmental laboratory operations.



MERCURY BY COLD VAPOUR AA (WATER)

Bureau Veritas ID		AXKU24	AXKU25	AXKU26	AXKU27	AXKU28		
Sampling Date		2025/11/17 08:40	2025/11/17 12:55	2025/11/17 16:10	2025/11/17 15:15	2025/11/17 13:55		
	UNITS	SCU10-001-MW	SCU18-007-MW	SCU31-002-MWB	SCU31-004-MW	SCU26-200-MW	RDL	QC Batch

Metals								
Total Mercury (Hg)	ug/L	<0.013	<0.013	<0.013	<0.013	<0.013	0.013	A059331

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Bureau Veritas ID		AXKU29	AXKU30		
Sampling Date		2025/11/17 15:30	2025/11/17 16:30		
	UNITS	MW20-4	25FD-03	RDL	QC Batch

Metals					
Total Mercury (Hg)	ug/L	0.018	<0.013	0.013	A059331

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



ELEMENTS BY ICP/MS (WATER)

Bureau Veritas ID		AXKU24	AXKU25		AXKU26		AXKU27		
Sampling Date		2025/11/17 08:40	2025/11/17 12:55		2025/11/17 16:10		2025/11/17 15:15		
	UNITS	SCU10-001-MW	SCU18-007-MW	RDL	SCU31-002-MWB	RDL	SCU31-004-MW	RDL	QC Batch
Metals									
Dissolved Aluminum (Al)	ug/L	<5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	A058899
Dissolved Antimony (Sb)	ug/L	1.5	1.2	1.0	<1.0	1.0	<1.0	1.0	A058899
Dissolved Arsenic (As)	ug/L	1.5	2.1	1.0	1.4	1.0	<1.0	1.0	A058899
Dissolved Barium (Ba)	ug/L	53	63	1.0	25	1.0	44	1.0	A058899
Dissolved Beryllium (Be)	ug/L	<0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	A058899
Dissolved Bismuth (Bi)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	A058899
Dissolved Boron (B)	ug/L	89	100	50	550	50	190	50	A058899
Dissolved Cadmium (Cd)	ug/L	<0.010	0.024	0.010	<0.010	0.010	<0.010	0.010	A058899
Dissolved Calcium (Ca)	ug/L	140000	58000	100	430000	100	180000	100	A058899
Dissolved Chromium (Cr)	ug/L	<1.0	16	1.0	<1.0	1.0	<1.0	1.0	A058899
Dissolved Cobalt (Co)	ug/L	<0.40	<0.40	0.40	<0.40	0.40	<0.40	0.40	A058899
Dissolved Copper (Cu)	ug/L	<0.50	2.4	0.50	<0.50	0.50	<0.50	0.50	A058899
Dissolved Iron (Fe)	ug/L	<50	<50	50	230	50	<50	50	A058899
Dissolved Lead (Pb)	ug/L	<0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	A058899
Dissolved Magnesium (Mg)	ug/L	9800	28000	100	96000	100	1400	100	A058899
Dissolved Manganese (Mn)	ug/L	19	<2.0	2.0	520	2.0	<2.0	2.0	A058899
Dissolved Molybdenum (Mo)	ug/L	<2.0	2.3	2.0	3.1	2.0	5.1	2.0	A058899
Dissolved Nickel (Ni)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	A058899
Dissolved Phosphorus (P)	ug/L	<100	<100	100	<100	100	<100	100	A058899
Dissolved Potassium (K)	ug/L	4900	2400	100	20000	100	15000	100	A058899
Dissolved Selenium (Se)	ug/L	4.4	1.3	0.50	<0.50	0.50	7.6	0.50	A058899
Dissolved Silver (Ag)	ug/L	<0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	A058899
Dissolved Sodium (Na)	ug/L	85000	5800	100	1400000	1000	38000	100	A058899
Dissolved Strontium (Sr)	ug/L	580	170	2.0	16000	20	580	2.0	A058899
Dissolved Thallium (Tl)	ug/L	<0.10	<0.10	0.10	<0.10	0.10	<0.10	0.10	A058899
Dissolved Tin (Sn)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	A058899
Dissolved Titanium (Ti)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	<2.0	2.0	A058899
Dissolved Uranium (U)	ug/L	2.3	4.2	0.10	6.2	0.10	<0.10	0.10	A058899
Dissolved Vanadium (V)	ug/L	2.6	12	2.0	<2.0	2.0	<2.0	2.0	A058899
Dissolved Zinc (Zn)	ug/L	5.2	<5.0	5.0	<5.0	5.0	<5.0	5.0	A058899
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



BUREAU
VERITAS

Bureau Veritas Job #: C5E5646

Report Date: 2025/11/25

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

ELEMENTS BY ICP/MS (WATER)

Bureau Veritas ID		AXKU28	AXKU29		AXKU30		
Sampling Date		2025/11/17 13:55	2025/11/17 15:30		2025/11/17 16:30		
	UNITS	SCU26-200-MW	MW20-4	RDL	25FD-03	RDL	QC Batch
Metals							
Dissolved Aluminum (Al)	ug/L	38	34	5.0	5.0	5.0	A058039
Dissolved Antimony (Sb)	ug/L	<1.0	<1.0	1.0	<1.0	1.0	A058039
Dissolved Arsenic (As)	ug/L	<1.0	7.6	1.0	1.4	1.0	A058039
Dissolved Barium (Ba)	ug/L	130	61	1.0	25	1.0	A058039
Dissolved Beryllium (Be)	ug/L	<0.10	<0.10	0.10	<0.10	0.10	A058039
Dissolved Bismuth (Bi)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	A058039
Dissolved Boron (B)	ug/L	<50	620	50	520	50	A058039
Dissolved Cadmium (Cd)	ug/L	<0.010	<0.010	0.010	0.010	0.010	A058039
Dissolved Calcium (Ca)	ug/L	220000	160000	100	440000	100	A058039
Dissolved Chromium (Cr)	ug/L	8.8	27	1.0	<1.0	1.0	A058039
Dissolved Cobalt (Co)	ug/L	<0.40	<0.40	0.40	<0.40	0.40	A058039
Dissolved Copper (Cu)	ug/L	4.4	6.1	0.50	<0.50	0.50	A058039
Dissolved Iron (Fe)	ug/L	<50	<50	50	230	50	A058039
Dissolved Lead (Pb)	ug/L	1.6	<0.50	0.50	<0.50	0.50	A058039
Dissolved Magnesium (Mg)	ug/L	<100	2100	100	94000	100	A058039
Dissolved Manganese (Mn)	ug/L	<2.0	<2.0	2.0	510	2.0	A058039
Dissolved Molybdenum (Mo)	ug/L	6.5	15	2.0	3.0	2.0	A058039
Dissolved Nickel (Ni)	ug/L	<2.0	2.6	2.0	<2.0	2.0	A058039
Dissolved Phosphorus (P)	ug/L	<100	<100	100	<100	100	A058039
Dissolved Potassium (K)	ug/L	11000	54000	100	20000	100	A058039
Dissolved Selenium (Se)	ug/L	1.8	4.1	0.50	<0.50	0.50	A058039
Dissolved Silver (Ag)	ug/L	<0.10	<0.10	0.10	<0.10	0.10	A058039
Dissolved Sodium (Na)	ug/L	24000	270000	100	1400000	1000	A058039
Dissolved Strontium (Sr)	ug/L	1000	1500	2.0	16000	20	A058039
Dissolved Thallium (Tl)	ug/L	<0.10	<0.10	0.10	<0.10	0.10	A058039
Dissolved Tin (Sn)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	A058039
Dissolved Titanium (Ti)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	A058039
Dissolved Uranium (U)	ug/L	<0.10	<0.10	0.10	6.5	0.10	A058039
Dissolved Vanadium (V)	ug/L	15	110	2.0	<2.0	2.0	A058039
Dissolved Zinc (Zn)	ug/L	<5.0	<5.0	5.0	<5.0	5.0	A058039
RDL = Reportable Detection Limit							
QC Batch = Quality Control Batch							

**SEMI-VOLATILE ORGANICS BY GC-MS (WATER)**

Bureau Veritas ID		AXKU24	AXKU25	AXKU26	AXKU27	AXKU28		
Sampling Date		2025/11/17 08:40	2025/11/17 12:55	2025/11/17 16:10	2025/11/17 15:15	2025/11/17 13:55		
	UNITS	SCU10-001-MW	SCU18-007-MW	SCU31-002-MWB	SCU31-004-MW	SCU26-200-MW	RDL	QC Batch
Polyaromatic Hydrocarbons								
1-Methylnaphthalene	ug/L	<0.050	<0.050	<0.050	3.0	0.22	0.050	A058180
2-Methylnaphthalene	ug/L	<0.050	<0.050	<0.050	3.6	0.052	0.050	A058180
Acenaphthene	ug/L	<0.010	<0.010	<0.010	0.70	0.085	0.010	A058180
Acenaphthylene	ug/L	<0.010	<0.010	<0.010	2.0	0.18	0.010	A058180
Anthracene	ug/L	<0.010	<0.010	<0.010	0.69	0.051	0.010	A058180
Benzo(a)anthracene	ug/L	<0.010	<0.010	<0.010	0.024	0.026	0.010	A058180
Benzo(a)pyrene	ug/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A058180
Benzo(b)fluoranthene	ug/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A058180
Benzo(b,j)fluoranthene	ug/L	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	A056491
Benzo(g,h,i)perylene	ug/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A058180
Benzo(j)fluoranthene	ug/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A058180
Benzo(k)fluoranthene	ug/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A058180
Chrysene	ug/L	<0.010	<0.010	<0.010	0.018	0.022	0.010	A058180
Dibenzo(a,h)anthracene	ug/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A058180
Fluoranthene	ug/L	<0.010	0.013	<0.010	0.73	0.28	0.010	A058180
Fluorene	ug/L	<0.010	<0.010	<0.010	2.7	0.18	0.010	A058180
Indeno(1,2,3-cd)pyrene	ug/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A058180
Naphthalene	ug/L	<0.20	<0.20	<0.20	8.2	<0.20	0.20	A058180
Perylene	ug/L	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	A058180
Phenanthrene	ug/L	<0.010	0.021	<0.010	4.0	0.18	0.010	A058180
Pyrene	ug/L	<0.010	0.014	<0.010	0.45	0.38	0.010	A058180
Surrogate Recovery (%)								
D10-Anthracene	%	119	84	112	108	118		A058180
D14-Terphenyl	%	113 (1)	85 (1)	109 (1)	112 (1)	113 (1)		A058180
D8-Acenaphthylene	%	108	81	109	115	114		A058180
RDL = Reportable Detection Limit								
QC Batch = Quality Control Batch								
(1) PAH sample contained sediment.								



BUREAU
VERITAS

Bureau Veritas Job #: C5E5646

Report Date: 2025/11/25

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		AXKU29	AXKU30		
Sampling Date		2025/11/17 15:30	2025/11/17 16:30		
	UNITS	MW20-4	25FD-03	RDL	QC Batch
Polyaromatic Hydrocarbons					
1-Methylnaphthalene	ug/L	5.2	<0.050	0.050	A058180
2-Methylnaphthalene	ug/L	0.19	<0.050	0.050	A058180
Acenaphthene	ug/L	5.5	<0.010	0.010	A058180
Acenaphthylene	ug/L	3.2	<0.010	0.010	A058180
Anthracene	ug/L	2.2	<0.010	0.010	A058180
Benzo(a)anthracene	ug/L	0.72	<0.010	0.010	A058180
Benzo(a)pyrene	ug/L	0.45	<0.010	0.010	A058180
Benzo(b)fluoranthene	ug/L	0.28	<0.010	0.010	A058180
Benzo(b,j)fluoranthene	ug/L	0.51	<0.020	0.020	A056491
Benzo(g,h,i)perylene	ug/L	0.15	<0.010	0.010	A058180
Benzo(j)fluoranthene	ug/L	0.23	<0.010	0.010	A058180
Benzo(k)fluoranthene	ug/L	0.20	<0.010	0.010	A058180
Chrysene	ug/L	0.53	<0.010	0.010	A058180
Dibenzo(a,h)anthracene	ug/L	0.058	<0.010	0.010	A058180
Fluoranthene	ug/L	2.5	<0.010	0.010	A058180
Fluorene	ug/L	7.0	<0.010	0.010	A058180
Indeno(1,2,3-cd)pyrene	ug/L	0.16	<0.010	0.010	A058180
Naphthalene	ug/L	0.62	<0.20	0.20	A058180
Perylene	ug/L	0.091	<0.010	0.010	A058180
Phenanthrene	ug/L	7.5	<0.010	0.010	A058180
Pyrene	ug/L	1.6	<0.010	0.010	A058180
Surrogate Recovery (%)					
D10-Anthracene	%	84	121		A058180
D14-Terphenyl	%	91 (1)	113 (1)		A058180
D8-Acenaphthylene	%	92	112		A058180
RDL = Reportable Detection Limit					
QC Batch = Quality Control Batch					
(1) PAH sample contained sediment.					



**BUREAU
VERITAS**

Bureau Veritas Job #: C5E5646

Report Date: 2025/11/25

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

GENERAL COMMENTS

Results relate only to the items tested.



**BUREAU
VERITAS**

Bureau Veritas Job #: C5E5646
Report Date: 2025/11/25

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A058039	MTZ	Matrix Spike		Dissolved Aluminum (Al)	2025/11/20		107	%	80 - 120
				Dissolved Antimony (Sb)	2025/11/20		102	%	80 - 120
				Dissolved Arsenic (As)	2025/11/20		99	%	80 - 120
				Dissolved Barium (Ba)	2025/11/20		93	%	80 - 120
				Dissolved Beryllium (Be)	2025/11/20		96	%	80 - 120
				Dissolved Bismuth (Bi)	2025/11/20		98	%	80 - 120
				Dissolved Boron (B)	2025/11/20		93	%	80 - 120
				Dissolved Cadmium (Cd)	2025/11/20		96	%	80 - 120
				Dissolved Calcium (Ca)	2025/11/20		NC	%	80 - 120
				Dissolved Chromium (Cr)	2025/11/20		96	%	80 - 120
				Dissolved Cobalt (Co)	2025/11/20		95	%	80 - 120
				Dissolved Copper (Cu)	2025/11/20		95	%	80 - 120
				Dissolved Iron (Fe)	2025/11/20		108	%	80 - 120
				Dissolved Lead (Pb)	2025/11/20		96	%	80 - 120
				Dissolved Magnesium (Mg)	2025/11/20		NC	%	80 - 120
				Dissolved Manganese (Mn)	2025/11/20		NC	%	80 - 120
				Dissolved Molybdenum (Mo)	2025/11/20		103	%	80 - 120
				Dissolved Nickel (Ni)	2025/11/20		95	%	80 - 120
				Dissolved Phosphorus (P)	2025/11/20		116	%	80 - 120
				Dissolved Potassium (K)	2025/11/20		112	%	80 - 120
				Dissolved Selenium (Se)	2025/11/20		97	%	80 - 120
				Dissolved Silver (Ag)	2025/11/20		85	%	80 - 120
				Dissolved Sodium (Na)	2025/11/20		NC	%	80 - 120
				Dissolved Strontium (Sr)	2025/11/20		NC	%	80 - 120
				Dissolved Thallium (Tl)	2025/11/20		100	%	80 - 120
				Dissolved Tin (Sn)	2025/11/20		101	%	80 - 120
				Dissolved Titanium (Ti)	2025/11/20		98	%	80 - 120
				Dissolved Uranium (U)	2025/11/20		105	%	80 - 120
				Dissolved Vanadium (V)	2025/11/20		97	%	80 - 120
				Dissolved Zinc (Zn)	2025/11/20		97	%	80 - 120
A058039	MTZ	Spiked Blank		Dissolved Aluminum (Al)	2025/11/20		102	%	80 - 120
				Dissolved Antimony (Sb)	2025/11/20		94	%	80 - 120
				Dissolved Arsenic (As)	2025/11/20		100	%	80 - 120
				Dissolved Barium (Ba)	2025/11/20		98	%	80 - 120
				Dissolved Beryllium (Be)	2025/11/20		95	%	80 - 120
				Dissolved Bismuth (Bi)	2025/11/20		96	%	80 - 120
				Dissolved Boron (B)	2025/11/20		91	%	80 - 120
				Dissolved Cadmium (Cd)	2025/11/20		99	%	80 - 120
				Dissolved Calcium (Ca)	2025/11/20		102	%	80 - 120
				Dissolved Chromium (Cr)	2025/11/20		98	%	80 - 120
				Dissolved Cobalt (Co)	2025/11/20		100	%	80 - 120
				Dissolved Copper (Cu)	2025/11/20		100	%	80 - 120
				Dissolved Iron (Fe)	2025/11/20		103	%	80 - 120
				Dissolved Lead (Pb)	2025/11/20		100	%	80 - 120
				Dissolved Magnesium (Mg)	2025/11/20		106	%	80 - 120
				Dissolved Manganese (Mn)	2025/11/20		100	%	80 - 120
				Dissolved Molybdenum (Mo)	2025/11/20		97	%	80 - 120
				Dissolved Nickel (Ni)	2025/11/20		101	%	80 - 120
				Dissolved Phosphorus (P)	2025/11/20		109	%	80 - 120
				Dissolved Potassium (K)	2025/11/20		108	%	80 - 120
				Dissolved Selenium (Se)	2025/11/20		97	%	80 - 120
				Dissolved Silver (Ag)	2025/11/20		98	%	80 - 120
				Dissolved Sodium (Na)	2025/11/20		103	%	80 - 120



**BUREAU
VERITAS**

Bureau Veritas Job #: C5E5646
Report Date: 2025/11/25

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A058039	MTZ	Method Blank	Dissolved Strontium (Sr)	2025/11/20		100	%	80 - 120
			Dissolved Thallium (Tl)	2025/11/20		96	%	80 - 120
			Dissolved Tin (Sn)	2025/11/20		95	%	80 - 120
			Dissolved Titanium (Ti)	2025/11/20		100	%	80 - 120
			Dissolved Uranium (U)	2025/11/20		106	%	80 - 120
			Dissolved Vanadium (V)	2025/11/20		100	%	80 - 120
			Dissolved Zinc (Zn)	2025/11/20		98	%	80 - 120
			Dissolved Aluminum (Al)	2025/11/20	<5.0		ug/L	
			Dissolved Antimony (Sb)	2025/11/20	<1.0		ug/L	
			Dissolved Arsenic (As)	2025/11/20	<1.0		ug/L	
			Dissolved Barium (Ba)	2025/11/20	<1.0		ug/L	
			Dissolved Beryllium (Be)	2025/11/20	<0.10		ug/L	
			Dissolved Bismuth (Bi)	2025/11/20	<2.0		ug/L	
			Dissolved Boron (B)	2025/11/20	<50		ug/L	
			Dissolved Cadmium (Cd)	2025/11/20	<0.010		ug/L	
			Dissolved Calcium (Ca)	2025/11/20	<100		ug/L	
			Dissolved Chromium (Cr)	2025/11/20	<1.0		ug/L	
			Dissolved Cobalt (Co)	2025/11/20	<0.40		ug/L	
			Dissolved Copper (Cu)	2025/11/20	<0.50		ug/L	
			Dissolved Iron (Fe)	2025/11/20	<50		ug/L	
			Dissolved Lead (Pb)	2025/11/20	<0.50		ug/L	
			Dissolved Magnesium (Mg)	2025/11/20	<100		ug/L	
			Dissolved Manganese (Mn)	2025/11/20	<2.0		ug/L	
			Dissolved Molybdenum (Mo)	2025/11/20	<2.0		ug/L	
			Dissolved Nickel (Ni)	2025/11/20	<2.0		ug/L	
			Dissolved Phosphorus (P)	2025/11/20	<100		ug/L	
			Dissolved Potassium (K)	2025/11/20	<100		ug/L	
			Dissolved Selenium (Se)	2025/11/20	<0.50		ug/L	
			Dissolved Silver (Ag)	2025/11/20	<0.10		ug/L	
			Dissolved Sodium (Na)	2025/11/20	<100		ug/L	
			Dissolved Strontium (Sr)	2025/11/20	<2.0		ug/L	
			Dissolved Thallium (Tl)	2025/11/20	<0.10		ug/L	
			Dissolved Tin (Sn)	2025/11/20	<2.0		ug/L	
			Dissolved Titanium (Ti)	2025/11/20	<2.0		ug/L	
			Dissolved Uranium (U)	2025/11/20	<0.10		ug/L	
			Dissolved Vanadium (V)	2025/11/20	<2.0		ug/L	
			Dissolved Zinc (Zn)	2025/11/20	<5.0		ug/L	
A058039	MTZ	RPD	Dissolved Aluminum (Al)	2025/11/20	NC		%	20
			Dissolved Antimony (Sb)	2025/11/20	NC		%	20
			Dissolved Arsenic (As)	2025/11/20	2.2		%	20
			Dissolved Barium (Ba)	2025/11/20	0.79		%	20
			Dissolved Beryllium (Be)	2025/11/20	NC		%	20
			Dissolved Bismuth (Bi)	2025/11/20	NC		%	20
			Dissolved Boron (B)	2025/11/20	1.2		%	20
			Dissolved Cadmium (Cd)	2025/11/20	NC		%	20
			Dissolved Calcium (Ca)	2025/11/20	0.24		%	20
			Dissolved Chromium (Cr)	2025/11/20	NC		%	20
			Dissolved Cobalt (Co)	2025/11/20	1.0		%	20
			Dissolved Copper (Cu)	2025/11/20	NC		%	20
			Dissolved Iron (Fe)	2025/11/20	0.47		%	20
			Dissolved Lead (Pb)	2025/11/20	NC		%	20
			Dissolved Magnesium (Mg)	2025/11/20	0.84		%	20
			Dissolved Manganese (Mn)	2025/11/20	0.56		%	20



BUREAU
VERITAS

Bureau Veritas Job #: C5E5646
Report Date: 2025/11/25

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A058180	EPA	Matrix Spike [AXKU30-01]	Dissolved Molybdenum (Mo)	2025/11/20	NC		%	20
			Dissolved Nickel (Ni)	2025/11/20	NC		%	20
			Dissolved Phosphorus (P)	2025/11/20	NC		%	20
			Dissolved Potassium (K)	2025/11/20	0.069		%	20
			Dissolved Selenium (Se)	2025/11/20	NC		%	20
			Dissolved Silver (Ag)	2025/11/20	NC		%	20
			Dissolved Sodium (Na)	2025/11/20	0.26		%	20
			Dissolved Strontium (Sr)	2025/11/20	0.19		%	20
			Dissolved Thallium (Tl)	2025/11/20	NC		%	20
			Dissolved Tin (Sn)	2025/11/20	NC		%	20
			Dissolved Titanium (Ti)	2025/11/20	NC		%	20
			Dissolved Uranium (U)	2025/11/20	7.3		%	20
			Dissolved Vanadium (V)	2025/11/20	NC		%	20
			Dissolved Zinc (Zn)	2025/11/20	NC		%	20
			D10-Anthracene	2025/11/21		112	%	50 - 130
			D14-Terphenyl	2025/11/21		110 (1)	%	50 - 130
			D8-Acenaphthylene	2025/11/21		111	%	50 - 130
			1-Methylnaphthalene	2025/11/21		104	%	50 - 130
			2-Methylnaphthalene	2025/11/21		112	%	50 - 130
			Acenaphthene	2025/11/21		105	%	50 - 130
			Acenaphthylene	2025/11/21		115	%	50 - 130
			Anthracene	2025/11/21		107	%	50 - 130
			Benzo(a)anthracene	2025/11/21		121	%	50 - 130
			Benzo(a)pyrene	2025/11/21		113	%	50 - 130
			Benzo(b)fluoranthene	2025/11/21		115	%	50 - 130
			Benzo(g,h,i)perylene	2025/11/21		108	%	50 - 130
			Benzo(j)fluoranthene	2025/11/21		114	%	50 - 130
			Benzo(k)fluoranthene	2025/11/21		111	%	50 - 130
			Chrysene	2025/11/21		125	%	50 - 130
			Dibenzo(a,h)anthracene	2025/11/21		98	%	50 - 130
			Fluoranthene	2025/11/21		115	%	50 - 130
			Fluorene	2025/11/21		103	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/11/21		112	%	50 - 130
			Naphthalene	2025/11/21		106	%	50 - 130
			Perylene	2025/11/21		113	%	50 - 130
			Phenanthrene	2025/11/21		125	%	50 - 130
			Pyrene	2025/11/21		114	%	50 - 130
A058180	EPA	Spiked Blank	D10-Anthracene	2025/11/21		113	%	50 - 130
			D14-Terphenyl	2025/11/21		111	%	50 - 130
			D8-Acenaphthylene	2025/11/21		107	%	50 - 130
			1-Methylnaphthalene	2025/11/21		102	%	50 - 130
			2-Methylnaphthalene	2025/11/21		108	%	50 - 130
			Acenaphthene	2025/11/21		99	%	50 - 130
			Acenaphthylene	2025/11/21		111	%	50 - 130
			Anthracene	2025/11/21		115	%	50 - 130
			Benzo(a)anthracene	2025/11/21		118	%	50 - 130
			Benzo(a)pyrene	2025/11/21		107	%	50 - 130
			Benzo(b)fluoranthene	2025/11/21		112	%	50 - 130
			Benzo(g,h,i)perylene	2025/11/21		101	%	50 - 130
			Benzo(j)fluoranthene	2025/11/21		109	%	50 - 130
			Benzo(k)fluoranthene	2025/11/21		105	%	50 - 130
			Chrysene	2025/11/21		122	%	50 - 130
			Dibenzo(a,h)anthracene	2025/11/21		95	%	50 - 130



**BUREAU
VERITAS**

Bureau Veritas Job #: C5E5646
Report Date: 2025/11/25

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A058180	EPA	Method Blank	Fluoranthene	2025/11/21		112	%	50 - 130
			Fluorene	2025/11/21		98	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/11/21		105	%	50 - 130
			Naphthalene	2025/11/21		103	%	50 - 130
			Perylene	2025/11/21		101	%	50 - 130
			Phenanthrene	2025/11/21		113	%	50 - 130
			Pyrene	2025/11/21		110	%	50 - 130
			D10-Anthracene	2025/11/21		99	%	50 - 130
			D14-Terphenyl	2025/11/21		99	%	50 - 130
			D8-Acenaphthylene	2025/11/21		95	%	50 - 130
			1-Methylnaphthalene	2025/11/21	<0.050		ug/L	
			2-Methylnaphthalene	2025/11/21	<0.050		ug/L	
			Acenaphthene	2025/11/21	<0.010		ug/L	
			Acenaphthylene	2025/11/21	<0.010		ug/L	
			Anthracene	2025/11/21	<0.010		ug/L	
			Benzo(a)anthracene	2025/11/21	<0.010		ug/L	
			Benzo(a)pyrene	2025/11/21	<0.010		ug/L	
			Benzo(b)fluoranthene	2025/11/21	<0.010		ug/L	
			Benzo(g,h,i)perylene	2025/11/21	<0.010		ug/L	
			Benzo(j)fluoranthene	2025/11/21	<0.010		ug/L	
			Benzo(k)fluoranthene	2025/11/21	<0.010		ug/L	
			Chrysene	2025/11/21	<0.010		ug/L	
			Dibenzo(a,h)anthracene	2025/11/21	<0.010		ug/L	
			Fluoranthene	2025/11/21	<0.010		ug/L	
			Fluorene	2025/11/21	<0.010		ug/L	
			Indeno(1,2,3-cd)pyrene	2025/11/21	<0.010		ug/L	
			Naphthalene	2025/11/21	<0.20		ug/L	
			Perylene	2025/11/21	<0.010		ug/L	
			Phenanthrene	2025/11/21	<0.010		ug/L	
			Pyrene	2025/11/21	<0.010		ug/L	
A058180	EPA	RPD	1-Methylnaphthalene	2025/11/21	NC		%	40
			2-Methylnaphthalene	2025/11/21	NC		%	40
			Acenaphthene	2025/11/21	NC		%	40
			Acenaphthylene	2025/11/21	NC		%	40
			Anthracene	2025/11/21	NC		%	40
			Benzo(a)anthracene	2025/11/21	NC		%	40
			Benzo(a)pyrene	2025/11/21	NC		%	40
			Benzo(b)fluoranthene	2025/11/21	NC		%	40
			Benzo(g,h,i)perylene	2025/11/21	NC		%	40
			Benzo(j)fluoranthene	2025/11/21	NC		%	40
			Benzo(k)fluoranthene	2025/11/21	NC		%	40
			Chrysene	2025/11/21	NC		%	40
			Dibenzo(a,h)anthracene	2025/11/21	NC		%	40
			Fluoranthene	2025/11/21	NC		%	40
			Fluorene	2025/11/21	NC		%	40
			Indeno(1,2,3-cd)pyrene	2025/11/21	NC		%	40
			Naphthalene	2025/11/21	NC		%	40
			Perylene	2025/11/21	NC		%	40
			Phenanthrene	2025/11/21	NC		%	40
			Pyrene	2025/11/21	NC		%	40
A058899	MTZ	Matrix Spike	Dissolved Aluminum (Al)	2025/11/21		106	%	80 - 120
			Dissolved Antimony (Sb)	2025/11/21		105	%	80 - 120
			Dissolved Arsenic (As)	2025/11/21		106	%	80 - 120



BUREAU
VERITAS

Bureau Veritas Job #: C5E5646
Report Date: 2025/11/25

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A058899	MTZ	Spiked Blank	Dissolved Barium (Ba)	2025/11/21		103	%	80 - 120
			Dissolved Beryllium (Be)	2025/11/21		101	%	80 - 120
			Dissolved Bismuth (Bi)	2025/11/21		101	%	80 - 120
			Dissolved Boron (B)	2025/11/21		94	%	80 - 120
			Dissolved Cadmium (Cd)	2025/11/21		109	%	80 - 120
			Dissolved Calcium (Ca)	2025/11/21		106	%	80 - 120
			Dissolved Chromium (Cr)	2025/11/21		104	%	80 - 120
			Dissolved Cobalt (Co)	2025/11/21		105	%	80 - 120
			Dissolved Copper (Cu)	2025/11/21		105	%	80 - 120
			Dissolved Iron (Fe)	2025/11/21		110	%	80 - 120
			Dissolved Lead (Pb)	2025/11/21		104	%	80 - 120
			Dissolved Magnesium (Mg)	2025/11/21		114	%	80 - 120
			Dissolved Manganese (Mn)	2025/11/21		106	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/11/21		106	%	80 - 120
			Dissolved Nickel (Ni)	2025/11/21		104	%	80 - 120
			Dissolved Phosphorus (P)	2025/11/21		112	%	80 - 120
			Dissolved Potassium (K)	2025/11/21		106	%	80 - 120
			Dissolved Selenium (Se)	2025/11/21		104	%	80 - 120
			Dissolved Silver (Ag)	2025/11/21		103	%	80 - 120
			Dissolved Sodium (Na)	2025/11/21		106	%	80 - 120
			Dissolved Strontium (Sr)	2025/11/21		108	%	80 - 120
			Dissolved Thallium (Tl)	2025/11/21		102	%	80 - 120
			Dissolved Tin (Sn)	2025/11/21		106	%	80 - 120
			Dissolved Titanium (Ti)	2025/11/21		102	%	80 - 120
			Dissolved Uranium (U)	2025/11/21		111	%	80 - 120
			Dissolved Vanadium (V)	2025/11/21		106	%	80 - 120
			Dissolved Zinc (Zn)	2025/11/21		104	%	80 - 120
			Dissolved Aluminum (Al)	2025/11/21		99	%	80 - 120
			Dissolved Antimony (Sb)	2025/11/21		105	%	80 - 120
			Dissolved Arsenic (As)	2025/11/21		102	%	80 - 120
			Dissolved Barium (Ba)	2025/11/21		101	%	80 - 120
			Dissolved Beryllium (Be)	2025/11/21		96	%	80 - 120
			Dissolved Bismuth (Bi)	2025/11/21		100	%	80 - 120
			Dissolved Boron (B)	2025/11/21		94	%	80 - 120
			Dissolved Cadmium (Cd)	2025/11/21		103	%	80 - 120
			Dissolved Calcium (Ca)	2025/11/21		99	%	80 - 120
			Dissolved Chromium (Cr)	2025/11/21		100	%	80 - 120
			Dissolved Cobalt (Co)	2025/11/21		101	%	80 - 120
			Dissolved Copper (Cu)	2025/11/21		101	%	80 - 120
			Dissolved Iron (Fe)	2025/11/21		104	%	80 - 120
			Dissolved Lead (Pb)	2025/11/21		99	%	80 - 120
			Dissolved Magnesium (Mg)	2025/11/21		105	%	80 - 120
			Dissolved Manganese (Mn)	2025/11/21		101	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/11/21		104	%	80 - 120
			Dissolved Nickel (Ni)	2025/11/21		101	%	80 - 120
			Dissolved Phosphorus (P)	2025/11/21		105	%	80 - 120
			Dissolved Potassium (K)	2025/11/21		101	%	80 - 120
			Dissolved Selenium (Se)	2025/11/21		99	%	80 - 120
			Dissolved Silver (Ag)	2025/11/21		98	%	80 - 120
			Dissolved Sodium (Na)	2025/11/21		99	%	80 - 120
			Dissolved Strontium (Sr)	2025/11/21		104	%	80 - 120
			Dissolved Thallium (Tl)	2025/11/21		102	%	80 - 120
			Dissolved Tin (Sn)	2025/11/21		103	%	80 - 120



BUREAU
VERITAS

Bureau Veritas Job #: C5E5646
Report Date: 2025/11/25

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A058899	MTZ	Method Blank	Dissolved Titanium (Ti)	2025/11/21		102	%	80 - 120
			Dissolved Uranium (U)	2025/11/21		105	%	80 - 120
			Dissolved Vanadium (V)	2025/11/21		102	%	80 - 120
			Dissolved Zinc (Zn)	2025/11/21		103	%	80 - 120
			Dissolved Aluminum (Al)	2025/11/21	<5.0		ug/L	
			Dissolved Antimony (Sb)	2025/11/21	<1.0		ug/L	
			Dissolved Arsenic (As)	2025/11/21	<1.0		ug/L	
			Dissolved Barium (Ba)	2025/11/21	<1.0		ug/L	
			Dissolved Beryllium (Be)	2025/11/21	<0.10		ug/L	
			Dissolved Bismuth (Bi)	2025/11/21	<2.0		ug/L	
			Dissolved Boron (B)	2025/11/21	<50		ug/L	
			Dissolved Cadmium (Cd)	2025/11/21	<0.010		ug/L	
			Dissolved Calcium (Ca)	2025/11/21	<100		ug/L	
			Dissolved Chromium (Cr)	2025/11/21	<1.0		ug/L	
			Dissolved Cobalt (Co)	2025/11/21	<0.40		ug/L	
			Dissolved Copper (Cu)	2025/11/21	<0.50		ug/L	
			Dissolved Iron (Fe)	2025/11/21	<50		ug/L	
			Dissolved Lead (Pb)	2025/11/21	<0.50		ug/L	
			Dissolved Magnesium (Mg)	2025/11/21	<100		ug/L	
			Dissolved Manganese (Mn)	2025/11/21	<2.0		ug/L	
			Dissolved Molybdenum (Mo)	2025/11/21	<2.0		ug/L	
			Dissolved Nickel (Ni)	2025/11/21	<2.0		ug/L	
			Dissolved Phosphorus (P)	2025/11/21	<100		ug/L	
			Dissolved Potassium (K)	2025/11/21	<100		ug/L	
			Dissolved Selenium (Se)	2025/11/21	<0.50		ug/L	
			Dissolved Silver (Ag)	2025/11/21	<0.10		ug/L	
			Dissolved Sodium (Na)	2025/11/21	<100		ug/L	
			Dissolved Strontium (Sr)	2025/11/21	<2.0		ug/L	
			Dissolved Thallium (Tl)	2025/11/21	<0.10		ug/L	
			Dissolved Tin (Sn)	2025/11/21	<2.0		ug/L	
			Dissolved Titanium (Ti)	2025/11/21	<2.0		ug/L	
			Dissolved Uranium (U)	2025/11/21	<0.10		ug/L	
			Dissolved Vanadium (V)	2025/11/21	<2.0		ug/L	
			Dissolved Zinc (Zn)	2025/11/21	<5.0		ug/L	
A058899	MTZ	RPD	Dissolved Aluminum (Al)	2025/11/21	3.1		%	20
			Dissolved Antimony (Sb)	2025/11/21	NC		%	20
			Dissolved Arsenic (As)	2025/11/21	NC		%	20
			Dissolved Barium (Ba)	2025/11/21	0.69		%	20
			Dissolved Beryllium (Be)	2025/11/21	NC		%	20
			Dissolved Bismuth (Bi)	2025/11/21	NC		%	20
			Dissolved Boron (B)	2025/11/21	NC		%	20
			Dissolved Cadmium (Cd)	2025/11/21	NC		%	20
			Dissolved Calcium (Ca)	2025/11/21	0.86		%	20
			Dissolved Chromium (Cr)	2025/11/21	NC		%	20
			Dissolved Cobalt (Co)	2025/11/21	NC		%	20
			Dissolved Copper (Cu)	2025/11/21	NC		%	20
			Dissolved Iron (Fe)	2025/11/21	NC		%	20
			Dissolved Lead (Pb)	2025/11/21	NC		%	20
			Dissolved Magnesium (Mg)	2025/11/21	1.1		%	20
			Dissolved Manganese (Mn)	2025/11/21	3.1		%	20
			Dissolved Molybdenum (Mo)	2025/11/21	NC		%	20
			Dissolved Nickel (Ni)	2025/11/21	NC		%	20
			Dissolved Phosphorus (P)	2025/11/21	NC		%	20



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Dissolved Potassium (K)	2025/11/21	1.1		%	20
			Dissolved Selenium (Se)	2025/11/21	NC		%	20
			Dissolved Silver (Ag)	2025/11/21	NC		%	20
			Dissolved Sodium (Na)	2025/11/21	2.0		%	20
			Dissolved Strontium (Sr)	2025/11/21	0.035		%	20
			Dissolved Thallium (Tl)	2025/11/21	NC		%	20
			Dissolved Tin (Sn)	2025/11/21	NC		%	20
			Dissolved Titanium (Ti)	2025/11/21	NC		%	20
			Dissolved Uranium (U)	2025/11/21	NC		%	20
			Dissolved Vanadium (V)	2025/11/21	NC		%	20
			Dissolved Zinc (Zn)	2025/11/21	NC		%	20
A059331	JEP	Matrix Spike	Total Mercury (Hg)	2025/11/24		98	%	80 - 120
A059331	JEP	Spiked Blank	Total Mercury (Hg)	2025/11/24		95	%	80 - 120
A059331	JEP	Method Blank	Total Mercury (Hg)	2025/11/24	<0.013		ug/L	
A059331	JEP	RPD	Total Mercury (Hg)	2025/11/24	NC		%	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) PAH sample contained sediment.



BUREAU
VERITAS

Bureau Veritas Job #: C5E5646

Report Date: 2025/11/25

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Phil Deveau, Scientific Specialist (Organics)

Bureau Veritas Certified by Ernie Publicover, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Kathy Martin, Laboratory Manager responsible for Nova Scotia Environmental laboratory operations.



Your Project #: 251391
Site#: HARBOURSIDE COMMERCIAL PARK
Site Location: HARBOURSIDE COMMERCIAL PARK

Attention: Nadine Wambolt

Dillon Consulting Limited
275 Charlotte St
Sydney, NS
CANADA B1P 1C6

Report Date: 2025/11/26
Report #: R8658450
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5E6334

Received: 2025/11/18, 15:15

Sample Matrix: Water
Samples Received: 6

Analyses	Date		Date Analyzed	Laboratory Method	Analytical Method
	Quantity	Extracted			
Benzo(b/j)fluoranthene Sum (water) (1)	6	N/A	2025/11/26	N/A	Auto Calc.
Mercury - Total (CVAA,LL) (1)	6	2025/11/25	2025/11/26	ATL SOP 00026	EPA 245.1 R3 m
Metals Water Diss. MS- Field Filtered (1)	5	N/A	2025/11/24	ATL SOP 00058	EPA 6020B R2 m
Metals Water Diss. MS- Field Filtered (1)	1	N/A	2025/11/25	ATL SOP 00058	EPA 6020B R2 m
PAH in Water by GC/MS (SIM) (1)	1	2025/11/24	2025/11/24	ATL SOP 00103	EPA 8270E R6 m
PAH in Water by GC/MS (SIM) (1)	4	2025/11/24	2025/11/25	ATL SOP 00103	EPA 8270E R6 m
PAH in Water by GC/MS (SIM) (1)	1	2025/11/24	2025/11/26	ATL SOP 00103	EPA 8270E R6 m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Bedford, 200 Bluewater Rd Suite 105, Bedford, NS, B4B 1G9



Your Project #: 251391
Site#: HARBOURSIDE COMMERCIAL PARK
Site Location: HARBOURSIDE COMMERCIAL PARK

Attention: Nadine Wambolt

Dillon Consulting Limited
275 Charlotte St
Sydney, NS
CANADA B1P 1C6

Report Date: 2025/11/26
Report #: R8658450
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C5E6334

Received: 2025/11/18, 15:15

Encryption Key



**AUTHORIZED REPORT
RAPPORT AUTORISÉ**

Bureau Veritas

26 Nov 2025 17:30:35

Please direct all questions regarding this Certificate of Analysis to:

Natalie MacAskill, Key Account Specialist

Email: Natalie.MacAskill@bureauveritas.com

Phone# (902)567-1255 Ext:17

=====

This report has been generated and distributed using a secure automated process.

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Kathy Martin, Laboratory Manager responsible for Nova Scotia Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C5E6334

Report Date: 2025/11/26

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

MERCURY BY COLD VAPOUR AA (WATER)

Bureau Veritas ID		AXMG52	AXMG53	AXMG54	AXMG55	AXMG56	AXMG57		
Sampling Date		2025/11/18 13:30	2025/11/18 14:40	2025/11/18 09:00	2025/11/18 12:00	2025/11/18 11:30	2025/11/18 10:25		
	UNITS	SCU10-004-MW	SCU27-202-MW	MCES-207-MW	MW20-1	MW20-2	MW20-3	RDL	QC Batch
Metals									
Total Mercury (Hg)	ug/L	<0.013	<0.013	<0.013	<0.013	0.072	0.032	0.013	A060374
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									



ELEMENTS BY ICP/MS (WATER)

Bureau Veritas ID		AXMG52		AXMG53	AXMG54		AXMG55	AXMG56		
Sampling Date		2025/11/18 13:30		2025/11/18 14:40	2025/11/18 09:00		2025/11/18 12:00	2025/11/18 11:30		
	UNITS	SCU10-004-MW	RDL	SCU27-202-MW	MCES-207-MW	RDL	MW20-1	MW20-2	RDL	QC Batch
Metals										
Dissolved Aluminum (Al)	ug/L	8.8	5.0	<50	<50	50	490	33	5.0	A060102
Dissolved Antimony (Sb)	ug/L	1.9	1.0	<10	<10	10	<1.0	<1.0	1.0	A060102
Dissolved Arsenic (As)	ug/L	9.5	1.0	28	<10	10	<1.0	4.1	1.0	A060102
Dissolved Barium (Ba)	ug/L	61	1.0	17000	1000	10	640	170	1.0	A060102
Dissolved Beryllium (Be)	ug/L	<0.10	0.10	<1.0	<1.0	1.0	<0.10	<0.10	0.10	A060102
Dissolved Bismuth (Bi)	ug/L	<2.0	2.0	<20	<20	20	<2.0	<2.0	2.0	A060102
Dissolved Boron (B)	ug/L	73	50	4900	2100	500	56	<50	50	A060102
Dissolved Cadmium (Cd)	ug/L	<0.010	0.010	<0.10	<0.10	0.10	<0.010	<0.010	0.010	A060102
Dissolved Calcium (Ca)	ug/L	100000	100	990000	220000	1000	380000	320000	100	A060102
Dissolved Chromium (Cr)	ug/L	<1.0	1.0	<10	<10	10	<1.0	<1.0	1.0	A060102
Dissolved Cobalt (Co)	ug/L	<0.40	0.40	<4.0	<4.0	4.0	<0.40	<0.40	0.40	A060102
Dissolved Copper (Cu)	ug/L	0.89	0.50	<5.0	<5.0	5.0	<0.50	<0.50	0.50	A060102
Dissolved Iron (Fe)	ug/L	<50	50	110000	2000	500	<50	120	50	A060102
Dissolved Lead (Pb)	ug/L	<0.50	0.50	<5.0	<5.0	5.0	<0.50	<0.50	0.50	A060102
Dissolved Magnesium (Mg)	ug/L	4200	100	760000	260000	1000	<100	<100	100	A060102
Dissolved Manganese (Mn)	ug/L	46	2.0	5200	490	20	<2.0	<2.0	2.0	A060102
Dissolved Molybdenum (Mo)	ug/L	4.8	2.0	<20	<20	20	2.4	25	2.0	A060102
Dissolved Nickel (Ni)	ug/L	<2.0	2.0	<20	<20	20	<2.0	<2.0	2.0	A060102
Dissolved Phosphorus (P)	ug/L	<100	100	<1000	<1000	1000	<100	<100	100	A060102
Dissolved Potassium (K)	ug/L	10000	100	160000	53000	1000	31000	64000	100	A060102
Dissolved Selenium (Se)	ug/L	4.3	0.50	<5.0	<5.0	5.0	11	8.5	0.50	A060102
Dissolved Silver (Ag)	ug/L	<0.10	0.10	<1.0	<1.0	1.0	<0.10	<0.10	0.10	A060102
Dissolved Sodium (Na)	ug/L	120000	100	5900000	1900000	1000	42000	110000	100	A060102
Dissolved Strontium (Sr)	ug/L	520	2.0	37000	6100	20	3000	2400	2.0	A060102
Dissolved Thallium (Tl)	ug/L	<0.10	0.10	<1.0	<1.0	1.0	<0.10	<0.10	0.10	A060102
Dissolved Tin (Sn)	ug/L	<2.0	2.0	<20	<20	20	<2.0	<2.0	2.0	A060102
Dissolved Titanium (Ti)	ug/L	<2.0	2.0	<20	<20	20	<2.0	<2.0	2.0	A060102
Dissolved Uranium (U)	ug/L	1.6	0.10	<1.0	2.8	1.0	<0.10	<0.10	0.10	A060102
Dissolved Vanadium (V)	ug/L	16	2.0	<20	<20	20	<2.0	<2.0	2.0	A060102
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	<50	<50	50	<5.0	<5.0	5.0	A060102
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										



BUREAU
VERITAS

Bureau Veritas Job #: C5E6334
Report Date: 2025/11/26

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

ELEMENTS BY ICP/MS (WATER)

Bureau Veritas ID		AXMG57		
Sampling Date		2025/11/18 10:25		
	UNITS	MW20-3	RDL	QC Batch
Metals				
Dissolved Aluminum (Al)	ug/L	410	5.0	A060102
Dissolved Antimony (Sb)	ug/L	<1.0	1.0	A060102
Dissolved Arsenic (As)	ug/L	3.5	1.0	A060102
Dissolved Barium (Ba)	ug/L	43	1.0	A060102
Dissolved Beryllium (Be)	ug/L	<0.10	0.10	A060102
Dissolved Bismuth (Bi)	ug/L	<2.0	2.0	A060102
Dissolved Boron (B)	ug/L	210	50	A060102
Dissolved Cadmium (Cd)	ug/L	<0.010	0.010	A060102
Dissolved Calcium (Ca)	ug/L	130000	100	A060102
Dissolved Chromium (Cr)	ug/L	<1.0	1.0	A060102
Dissolved Cobalt (Co)	ug/L	<0.40	0.40	A060102
Dissolved Copper (Cu)	ug/L	2.7	0.50	A060102
Dissolved Iron (Fe)	ug/L	<50	50	A060102
Dissolved Lead (Pb)	ug/L	<0.50	0.50	A060102
Dissolved Magnesium (Mg)	ug/L	<100	100	A060102
Dissolved Manganese (Mn)	ug/L	<2.0	2.0	A060102
Dissolved Molybdenum (Mo)	ug/L	30	2.0	A060102
Dissolved Nickel (Ni)	ug/L	5.4	2.0	A060102
Dissolved Phosphorus (P)	ug/L	<100	100	A060102
Dissolved Potassium (K)	ug/L	34000	100	A060102
Dissolved Selenium (Se)	ug/L	2.8	0.50	A060102
Dissolved Silver (Ag)	ug/L	<0.10	0.10	A060102
Dissolved Sodium (Na)	ug/L	51000	100	A060102
Dissolved Strontium (Sr)	ug/L	1500	2.0	A060102
Dissolved Thallium (Tl)	ug/L	<0.10	0.10	A060102
Dissolved Tin (Sn)	ug/L	<2.0	2.0	A060102
Dissolved Titanium (Ti)	ug/L	<2.0	2.0	A060102
Dissolved Uranium (U)	ug/L	<0.10	0.10	A060102
Dissolved Vanadium (V)	ug/L	67	2.0	A060102
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	A060102
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		AXMG52		AXMG53	AXMG54	AXMG55	AXMG56		
Sampling Date		2025/11/18 13:30		2025/11/18 14:40	2025/11/18 09:00	2025/11/18 12:00	2025/11/18 11:30		
	UNITS	SCU10-004-MW	RDL	SCU27-202-MW	MCES-207-MW	MW20-1	MW20-2	RDL	QC Batch
Polyaromatic Hydrocarbons									
1-Methylnaphthalene	ug/L	69 (1)	0.50	<0.050	<0.050	2.5	13	0.050	A060054
2-Methylnaphthalene	ug/L	5.5	0.050	<0.050	<0.050	3.0	14	0.050	A060054
Acenaphthene	ug/L	100 (1)	0.10	0.036	<0.010	0.46	12	0.010	A060054
Acenaphthylene	ug/L	7.6	0.010	<0.010	<0.010	0.68	1.9	0.010	A060054
Anthracene	ug/L	31	0.010	0.016	<0.010	0.26	3.2	0.010	A060054
Benzo(a)anthracene	ug/L	17	0.010	<0.010	<0.010	0.024	0.96	0.010	A060054
Benzo(a)pyrene	ug/L	12	0.010	<0.010	<0.010	<0.010	0.57	0.010	A060054
Benzo(b)fluoranthene	ug/L	8.1	0.010	<0.010	<0.010	<0.010	0.38	0.010	A060054
Benzo(b,j)fluoranthene	ug/L	14	0.020	<0.020	<0.020	<0.020	0.67	0.020	A057318
Benzo(g,h,i)perylene	ug/L	4.4	0.010	<0.010	<0.010	<0.010	0.19	0.010	A060054
Benzo(j)fluoranthene	ug/L	5.5	0.010	<0.010	<0.010	<0.010	0.29	0.010	A060054
Benzo(k)fluoranthene	ug/L	4.7	0.010	<0.010	<0.010	<0.010	0.27	0.010	A060054
Chrysene	ug/L	15	0.010	<0.010	<0.010	0.018	0.65	0.010	A060054
Dibenzo(a,h)anthracene	ug/L	1.7	0.010	<0.010	<0.010	<0.010	0.075	0.010	A060054
Fluoranthene	ug/L	62 (1)	0.10	0.033	0.017	0.31	4.8	0.010	A060054
Fluorene	ug/L	79 (1)	0.10	0.035	<0.010	0.92	11	0.010	A060054
Indeno(1,2,3-cd)pyrene	ug/L	5.3	0.010	<0.010	<0.010	<0.010	0.21	0.010	A060054
Naphthalene	ug/L	0.92	0.20	<0.20	<0.20	3.6	33	0.20	A060054
Perylene	ug/L	2.4	0.010	<0.010	<0.010	<0.010	0.11	0.010	A060054
Phenanthrene	ug/L	88 (1)	0.10	0.060	0.023	1.5	16	0.010	A060054
Pyrene	ug/L	30	0.010	0.023	0.014	0.17	2.9	0.010	A060054
Surrogate Recovery (%)									
D10-Anthracene	%	63		79	83	89	78		A060054
D14-Terphenyl	%	75 (2)		76 (2)	80 (2)	88 (2)	87 (2)		A060054
D8-Acenaphthylene	%	89		76	80	88	92		A060054
RDL = Reportable Detection Limit									
QC Batch = Quality Control Batch									
(1) Elevated PAH RDL(s) due to sample dilution.									
(2) PAH sample contained sediment.									



BUREAU
VERITAS

Bureau Veritas Job #: C5E6334

Report Date: 2025/11/26

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		AXMG57		
Sampling Date		2025/11/18 10:25		
	UNITS	MW20-3	RDL	QC Batch
Polyaromatic Hydrocarbons				
1-Methylnaphthalene	ug/L	0.33	0.050	A060054
2-Methylnaphthalene	ug/L	0.13	0.050	A060054
Acenaphthene	ug/L	0.21	0.010	A060054
Acenaphthylene	ug/L	0.22	0.010	A060054
Anthracene	ug/L	0.13	0.010	A060054
Benzo(a)anthracene	ug/L	0.023	0.010	A060054
Benzo(a)pyrene	ug/L	0.012	0.010	A060054
Benzo(b)fluoranthene	ug/L	0.012	0.010	A060054
Benzo(b,j)fluoranthene	ug/L	<0.020	0.020	A057318
Benzo(g,h,i)perylene	ug/L	0.013	0.010	A060054
Benzo(j)fluoranthene	ug/L	<0.010	0.010	A060054
Benzo(k)fluoranthene	ug/L	<0.010	0.010	A060054
Chrysene	ug/L	0.019	0.010	A060054
Dibenzo(a,h)anthracene	ug/L	<0.010	0.010	A060054
Fluoranthene	ug/L	0.31	0.010	A060054
Fluorene	ug/L	0.40	0.010	A060054
Indeno(1,2,3-cd)pyrene	ug/L	<0.010	0.010	A060054
Naphthalene	ug/L	<0.20	0.20	A060054
Perylene	ug/L	<0.010	0.010	A060054
Phenanthrene	ug/L	0.51	0.010	A060054
Pyrene	ug/L	0.16	0.010	A060054
Surrogate Recovery (%)				
D10-Anthracene	%	79		A060054
D14-Terphenyl	%	79		A060054
D8-Acenaphthylene	%	79		A060054
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



BUREAU
VERITAS

Bureau Veritas Job #: C5E6334

Report Date: 2025/11/26

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

GENERAL COMMENTS

Sample AXMG53 [SCU27-202-MW] : Elevated reporting limits for trace metals due to sample matrix.

Sample AXMG54 [MCES-207-MW] : Elevated reporting limits for trace metals due to sample matrix.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C5E6334
Report Date: 2025/11/26

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A060054	EPA	Matrix Spike [AXMG57-01]	D10-Anthracene	2025/11/24		84	%	50 - 130
			D14-Terphenyl	2025/11/24		81	%	50 - 130
			D8-Acenaphthylene	2025/11/24		83	%	50 - 130
			1-Methylnaphthalene	2025/11/24		79	%	50 - 130
			2-Methylnaphthalene	2025/11/24		83	%	50 - 130
			Acenaphthene	2025/11/24		79	%	50 - 130
			Acenaphthylene	2025/11/24		87	%	50 - 130
			Anthracene	2025/11/24		89	%	50 - 130
			Benzo(a)anthracene	2025/11/24		94	%	50 - 130
			Benzo(a)pyrene	2025/11/24		90	%	50 - 130
			Benzo(b)fluoranthene	2025/11/24		88	%	50 - 130
			Benzo(g,h,i)perylene	2025/11/24		76	%	50 - 130
			Benzo(j)fluoranthene	2025/11/24		86	%	50 - 130
			Benzo(k)fluoranthene	2025/11/24		82	%	50 - 130
			Chrysene	2025/11/24		94	%	50 - 130
			Dibenzo(a,h)anthracene	2025/11/24		77	%	50 - 130
			Fluoranthene	2025/11/24		90	%	50 - 130
			Fluorene	2025/11/24		81	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/11/24		85	%	50 - 130
			Naphthalene	2025/11/24		79	%	50 - 130
			Perylene	2025/11/24		82	%	50 - 130
			Phenanthrene	2025/11/24		88	%	50 - 130
			Pyrene	2025/11/24		87	%	50 - 130
A060054	EPA	Spiked Blank	D10-Anthracene	2025/11/24		109	%	50 - 130
			D14-Terphenyl	2025/11/24		111	%	50 - 130
			D8-Acenaphthylene	2025/11/24		111	%	50 - 130
			1-Methylnaphthalene	2025/11/24		110	%	50 - 130
			2-Methylnaphthalene	2025/11/24		118	%	50 - 130
			Acenaphthene	2025/11/24		108	%	50 - 130
			Acenaphthylene	2025/11/24		121	%	50 - 130
			Anthracene	2025/11/24		112	%	50 - 130
			Benzo(a)anthracene	2025/11/24		123	%	50 - 130
			Benzo(a)pyrene	2025/11/24		112	%	50 - 130
			Benzo(b)fluoranthene	2025/11/24		120	%	50 - 130
			Benzo(g,h,i)perylene	2025/11/24		99	%	50 - 130
			Benzo(j)fluoranthene	2025/11/24		117	%	50 - 130
			Benzo(k)fluoranthene	2025/11/24		111	%	50 - 130
			Chrysene	2025/11/24		128	%	50 - 130
			Dibenzo(a,h)anthracene	2025/11/24		97	%	50 - 130
			Fluoranthene	2025/11/24		121	%	50 - 130
			Fluorene	2025/11/24		107	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2025/11/24		102	%	50 - 130
			Naphthalene	2025/11/24		113	%	50 - 130
			Perylene	2025/11/24		105	%	50 - 130
			Phenanthrene	2025/11/24		119	%	50 - 130
			Pyrene	2025/11/24		119	%	50 - 130
A060054	EPA	Method Blank	D10-Anthracene	2025/11/24		83	%	50 - 130
			D14-Terphenyl	2025/11/24		83	%	50 - 130
			D8-Acenaphthylene	2025/11/24		83	%	50 - 130
			1-Methylnaphthalene	2025/11/24	<0.050		ug/L	
			2-Methylnaphthalene	2025/11/24	<0.050		ug/L	
			Acenaphthene	2025/11/24	<0.010		ug/L	



BUREAU
VERITAS

Bureau Veritas Job #: C5E6334
Report Date: 2025/11/26

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A060054	EPA	RPD	Acenaphthylene	2025/11/24	<0.010		ug/L	
			Anthracene	2025/11/24	<0.010		ug/L	
			Benzo(a)anthracene	2025/11/24	<0.010		ug/L	
			Benzo(a)pyrene	2025/11/24	<0.010		ug/L	
			Benzo(b)fluoranthene	2025/11/24	<0.010		ug/L	
			Benzo(g,h,i)perylene	2025/11/24	<0.010		ug/L	
			Benzo(j)fluoranthene	2025/11/24	<0.010		ug/L	
			Benzo(k)fluoranthene	2025/11/24	<0.010		ug/L	
			Chrysene	2025/11/24	<0.010		ug/L	
			Dibenzo(a,h)anthracene	2025/11/24	<0.010		ug/L	
			Fluoranthene	2025/11/24	<0.010		ug/L	
			Fluorene	2025/11/24	<0.010		ug/L	
			Indeno(1,2,3-cd)pyrene	2025/11/24	<0.010		ug/L	
			Naphthalene	2025/11/24	<0.20		ug/L	
			Perylene	2025/11/24	<0.010		ug/L	
			Phenanthrene	2025/11/24	<0.010		ug/L	
			Pyrene	2025/11/24	<0.010		ug/L	
			1-Methylnaphthalene	2025/11/24	NC		%	40
			2-Methylnaphthalene	2025/11/24	NC		%	40
			Acenaphthene	2025/11/24	NC		%	40
			Acenaphthylene	2025/11/24	NC		%	40
			Anthracene	2025/11/24	NC		%	40
			Benzo(a)anthracene	2025/11/24	NC		%	40
			Benzo(a)pyrene	2025/11/24	NC		%	40
			Benzo(b)fluoranthene	2025/11/24	NC		%	40
			Benzo(g,h,i)perylene	2025/11/24	NC		%	40
			Benzo(j)fluoranthene	2025/11/24	NC		%	40
			Benzo(k)fluoranthene	2025/11/24	NC		%	40
			Chrysene	2025/11/24	NC		%	40
			Dibenzo(a,h)anthracene	2025/11/24	NC		%	40
			Fluoranthene	2025/11/24	NC		%	40
			Fluorene	2025/11/24	NC		%	40
			Indeno(1,2,3-cd)pyrene	2025/11/24	NC		%	40
			Naphthalene	2025/11/24	NC		%	40
			Perylene	2025/11/24	NC		%	40
			Phenanthrene	2025/11/24	NC		%	40
			Pyrene	2025/11/24	NC		%	40
A060102	MTZ	Matrix Spike	Dissolved Aluminum (Al)	2025/11/24		100	%	80 - 120
			Dissolved Antimony (Sb)	2025/11/24		100	%	80 - 120
			Dissolved Arsenic (As)	2025/11/24		98	%	80 - 120
			Dissolved Barium (Ba)	2025/11/24		94	%	80 - 120
			Dissolved Beryllium (Be)	2025/11/24		97	%	80 - 120
			Dissolved Bismuth (Bi)	2025/11/24		95	%	80 - 120
			Dissolved Boron (B)	2025/11/24		96	%	80 - 120
			Dissolved Cadmium (Cd)	2025/11/24		101	%	80 - 120
			Dissolved Calcium (Ca)	2025/11/24		98	%	80 - 120
			Dissolved Chromium (Cr)	2025/11/24		97	%	80 - 120
			Dissolved Cobalt (Co)	2025/11/24		97	%	80 - 120
			Dissolved Copper (Cu)	2025/11/24		99	%	80 - 120
			Dissolved Iron (Fe)	2025/11/24		105	%	80 - 120
			Dissolved Lead (Pb)	2025/11/24		97	%	80 - 120
			Dissolved Magnesium (Mg)	2025/11/24		109	%	80 - 120
			Dissolved Manganese (Mn)	2025/11/24		NC	%	80 - 120



**BUREAU
VERITAS**

Bureau Veritas Job #: C5E6334
Report Date: 2025/11/26

Dillon Consulting Limited
Client Project #: 251391
Site Location: HARBOURSIDE COMMERCIAL PARK
Sampler Initials: MK

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A060102	MTZ	Spiked Blank	Dissolved Molybdenum (Mo)	2025/11/24		102	%	80 - 120
			Dissolved Nickel (Ni)	2025/11/24		98	%	80 - 120
			Dissolved Phosphorus (P)	2025/11/24		108	%	80 - 120
			Dissolved Potassium (K)	2025/11/24		105	%	80 - 120
			Dissolved Selenium (Se)	2025/11/24		97	%	80 - 120
			Dissolved Silver (Ag)	2025/11/24		94	%	80 - 120
			Dissolved Sodium (Na)	2025/11/24		104	%	80 - 120
			Dissolved Strontium (Sr)	2025/11/24		94	%	80 - 120
			Dissolved Thallium (Tl)	2025/11/24		98	%	80 - 120
			Dissolved Tin (Sn)	2025/11/24		100	%	80 - 120
			Dissolved Titanium (Ti)	2025/11/24		96	%	80 - 120
			Dissolved Uranium (U)	2025/11/24		104	%	80 - 120
			Dissolved Vanadium (V)	2025/11/24		100	%	80 - 120
			Dissolved Zinc (Zn)	2025/11/24		97	%	80 - 120
			Dissolved Aluminum (Al)	2025/11/24		102	%	80 - 120
			Dissolved Antimony (Sb)	2025/11/24		94	%	80 - 120
			Dissolved Arsenic (As)	2025/11/24		102	%	80 - 120
			Dissolved Barium (Ba)	2025/11/24		99	%	80 - 120
			Dissolved Beryllium (Be)	2025/11/24		98	%	80 - 120
			Dissolved Bismuth (Bi)	2025/11/24		94	%	80 - 120
			Dissolved Boron (B)	2025/11/24		91	%	80 - 120
			Dissolved Cadmium (Cd)	2025/11/24		102	%	80 - 120
			Dissolved Calcium (Ca)	2025/11/24		106	%	80 - 120
			Dissolved Chromium (Cr)	2025/11/24		101	%	80 - 120
			Dissolved Cobalt (Co)	2025/11/24		102	%	80 - 120
			Dissolved Copper (Cu)	2025/11/24		105	%	80 - 120
			Dissolved Iron (Fe)	2025/11/24		109	%	80 - 120
			Dissolved Lead (Pb)	2025/11/24		101	%	80 - 120
			Dissolved Magnesium (Mg)	2025/11/24		113	%	80 - 120
			Dissolved Manganese (Mn)	2025/11/24		102	%	80 - 120
			Dissolved Molybdenum (Mo)	2025/11/24		99	%	80 - 120
			Dissolved Nickel (Ni)	2025/11/24		104	%	80 - 120
			Dissolved Phosphorus (P)	2025/11/24		108	%	80 - 120
			Dissolved Potassium (K)	2025/11/24		107	%	80 - 120
			Dissolved Selenium (Se)	2025/11/24		101	%	80 - 120
			Dissolved Silver (Ag)	2025/11/24		100	%	80 - 120
			Dissolved Sodium (Na)	2025/11/24		108	%	80 - 120
			Dissolved Strontium (Sr)	2025/11/24		100	%	80 - 120
			Dissolved Thallium (Tl)	2025/11/24		95	%	80 - 120
			Dissolved Tin (Sn)	2025/11/24		93	%	80 - 120
			Dissolved Titanium (Ti)	2025/11/24		101	%	80 - 120
			Dissolved Uranium (U)	2025/11/24		107	%	80 - 120
			Dissolved Vanadium (V)	2025/11/24		103	%	80 - 120
			Dissolved Zinc (Zn)	2025/11/24		98	%	80 - 120
A060102	MTZ	Method Blank	Dissolved Aluminum (Al)	2025/11/24	<5.0		ug/L	
			Dissolved Antimony (Sb)	2025/11/24	<1.0		ug/L	
			Dissolved Arsenic (As)	2025/11/24	<1.0		ug/L	
			Dissolved Barium (Ba)	2025/11/24	<1.0		ug/L	
			Dissolved Beryllium (Be)	2025/11/24	<0.10		ug/L	
			Dissolved Bismuth (Bi)	2025/11/24	<2.0		ug/L	
			Dissolved Boron (B)	2025/11/24	<50		ug/L	
			Dissolved Cadmium (Cd)	2025/11/24	<0.010		ug/L	
			Dissolved Calcium (Ca)	2025/11/24	<100		ug/L	



BUREAU
VERITAS

Bureau Veritas Job #: C5E6334

Report Date: 2025/11/26

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A060102	MTZ	RPD	Dissolved Chromium (Cr)	2025/11/24	<1.0		ug/L	
			Dissolved Cobalt (Co)	2025/11/24	<0.40		ug/L	
			Dissolved Copper (Cu)	2025/11/24	<0.50		ug/L	
			Dissolved Iron (Fe)	2025/11/24	<50		ug/L	
			Dissolved Lead (Pb)	2025/11/24	<0.50		ug/L	
			Dissolved Magnesium (Mg)	2025/11/24	<100		ug/L	
			Dissolved Manganese (Mn)	2025/11/24	<2.0		ug/L	
			Dissolved Molybdenum (Mo)	2025/11/24	<2.0		ug/L	
			Dissolved Nickel (Ni)	2025/11/24	<2.0		ug/L	
			Dissolved Phosphorus (P)	2025/11/24	<100		ug/L	
			Dissolved Potassium (K)	2025/11/24	<100		ug/L	
			Dissolved Selenium (Se)	2025/11/24	<0.50		ug/L	
			Dissolved Silver (Ag)	2025/11/24	<0.10		ug/L	
			Dissolved Sodium (Na)	2025/11/24	<100		ug/L	
			Dissolved Strontium (Sr)	2025/11/24	<2.0		ug/L	
			Dissolved Thallium (Tl)	2025/11/24	<0.10		ug/L	
			Dissolved Tin (Sn)	2025/11/24	<2.0		ug/L	
			Dissolved Titanium (Ti)	2025/11/24	<2.0		ug/L	
			Dissolved Uranium (U)	2025/11/24	<0.10		ug/L	
			Dissolved Vanadium (V)	2025/11/24	<2.0		ug/L	
			Dissolved Zinc (Zn)	2025/11/24	<5.0		ug/L	
			Dissolved Aluminum (Al)	2025/11/24	2.9		%	20
			Dissolved Antimony (Sb)	2025/11/24	NC		%	20
			Dissolved Arsenic (As)	2025/11/24	NC		%	20
			Dissolved Barium (Ba)	2025/11/24	0.57		%	20
			Dissolved Beryllium (Be)	2025/11/24	NC		%	20
			Dissolved Bismuth (Bi)	2025/11/24	NC		%	20
			Dissolved Boron (B)	2025/11/24	NC		%	20
			Dissolved Cadmium (Cd)	2025/11/24	10		%	20
			Dissolved Calcium (Ca)	2025/11/24	0.23		%	20
			Dissolved Chromium (Cr)	2025/11/24	NC		%	20
			Dissolved Cobalt (Co)	2025/11/24	NC		%	20
			Dissolved Copper (Cu)	2025/11/24	NC		%	20
			Dissolved Iron (Fe)	2025/11/24	0.27		%	20
			Dissolved Lead (Pb)	2025/11/24	NC		%	20
			Dissolved Magnesium (Mg)	2025/11/24	0.17		%	20
			Dissolved Manganese (Mn)	2025/11/24	0.28		%	20
			Dissolved Molybdenum (Mo)	2025/11/24	NC		%	20
			Dissolved Nickel (Ni)	2025/11/24	NC		%	20
			Dissolved Phosphorus (P)	2025/11/24	NC		%	20
			Dissolved Potassium (K)	2025/11/24	0.65		%	20
			Dissolved Selenium (Se)	2025/11/24	NC		%	20
			Dissolved Silver (Ag)	2025/11/24	NC		%	20
			Dissolved Sodium (Na)	2025/11/24	1.2		%	20
			Dissolved Strontium (Sr)	2025/11/24	0.34		%	20
			Dissolved Thallium (Tl)	2025/11/24	NC		%	20
			Dissolved Tin (Sn)	2025/11/24	NC		%	20
			Dissolved Titanium (Ti)	2025/11/24	NC		%	20
			Dissolved Uranium (U)	2025/11/24	NC		%	20
			Dissolved Vanadium (V)	2025/11/24	NC		%	20
			Dissolved Zinc (Zn)	2025/11/24	NC		%	20
A060374	JEP	Matrix Spike [AXMG52-03]	Total Mercury (Hg)	2025/11/26		99	%	80 - 120



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A060374	JEP	Spiked Blank	Total Mercury (Hg)	2025/11/25		98	%	80 - 120
A060374	JEP	Method Blank	Total Mercury (Hg)	2025/11/26	<0.013		ug/L	
A060374	JEP	RPD	Total Mercury (Hg)	2025/11/26	NC		%	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference $\leq 2 \times \text{RDL}$).



BUREAU
VERITAS

Bureau Veritas Job #: C5E6334

Report Date: 2025/11/26

Dillon Consulting Limited

Client Project #: 251391

Site Location: HARBOURSIDE COMMERCIAL PARK

Sampler Initials: MK

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Phil Deveau, Scientific Specialist (Organics)

Bureau Veritas Certified by Ernie Publicover, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Kathy Martin, Laboratory Manager responsible for Nova Scotia Environmental laboratory operations.

References

Harbourside Commercial Park, Sydney, NS, 2013 Groundwater Monitoring Program, SLR Consulting (Canada) Ltd., dated November 2014.

Harbourside Commercial Park 2019 Long Term Maintenance and Monitoring Groundwater Event Final Report, Dillon Consulting Limited, January 24, 2020.

Harbourside Commercial Park 2020 Long Term Maintenance and Monitoring Groundwater Event Final Report, Dillon Consulting Limited, dated February 9, 2021.

Harbourside Commercial Park 2021 Long Term Maintenance and Monitoring Groundwater Monitoring Event Final Report, Dillon Consulting Limited, dated March 2022.

Harbourside Commercial Park 2022 Long Term Maintenance and Monitoring Groundwater Monitoring Event Final Report, Dillon Consulting Limited, dated February 2023.

Harbourside Commercial Park - 2023 Long Term Maintenance and Monitoring Groundwater Event Final Report, Dillon Consulting Limited, dated March 2024.

Harbourside Commercial Park - 2024 Long Term Maintenance and Monitoring Groundwater Event Final Report, Dillon Consulting Limited, dated 25 February 2025.

Long Term Maintenance and Monitoring 2014 Groundwater Monitoring Event Harbourside Commercial Park Final Report, Dillon Consulting Limited, dated March 2015.

Long Term Maintenance and Monitoring 2015 Groundwater Monitoring Event Harbourside Commercial Park Final Report, Dillon Consulting Limited, dated June 2016.

Long Term Maintenance and Monitoring 2016 Groundwater Monitoring Event Harbourside Commercial Park Final Report, Dillon Consulting Limited, dated May 2017.

Long Term Maintenance and Monitoring 2017 Groundwater Monitoring Event Harbourside Commercial Park Final Report, Dillon Consulting Limited, dated March 2018.

Long Term Maintenance and Monitoring - 2018 Groundwater Monitoring Event Harbourside Commercial Park - Final Report, Dillon Consulting Limited, dated March 2019.

Nova Scotia Environment Tier I Environmental Quality Standards for Groundwater (Coarse Grained Soil, Non-potable Groundwater Commercial/Industrial Site) 2013 (updated September 2021).

Ontario Ministry of Environment, Table 3 Full Depth Generic Site Condition Standards in a Non-potable Groundwater (Coarse Grained Soil) 2011.