Supplemental Phase Two Environmental Site Assessment – Proposed Hintonburg Development, Ottawa, Ontario

Final Report

December 15, 2025

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Project Number:
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Stantec

Executive Summary

Taggart Realty Management/1000147699 Ontario Inc. (the Client) retained Stantec Consulting Ltd. (Stantec) to conduct a Supplemental Phase Two Environmental Site Assessment (ESA) for the Proposed Hintonburg Development, which includes properties bounded by Spencer Street, Parkdale Avenue, Armstrong Street and, Hamilton Avenue North (the "Phase Two Property" or the "Site") in Ottawa, Ontario. These properties are broadly referred to as the "Block". The municipal addresses for the properties within the Block are 3 Hamilton Avenue North (which includes units 5, 7A, 7B, and 340 Parkdale Avenue); and 223, 229, and 233 Armstrong Street.

The initial Phase Two ESA was dated March 1, 2024, and included soil, groundwater, and soil vapour data collected in 2023. The 2024 Annual Report dated February 13, 2025, included groundwater and soil vapour data collected in 2024. This Supplemental Phase Two ESA includes soil, groundwater, and soil vapour data collected in 2025.

The Supplemental Phase Two ESA was conducted to delineate light non-aqueous phase liquids identified in 2024, and to further characterize soil, groundwater, and soil vapour identified as part of the initial Phase Two ESA completed by Stantec for the contaminants of concern (COCs) associated with identified potentially contaminating activities (PCAs) in select areas of potential environmental concern (APECs). The Supplemental Phase Two ESA was completed consistent with the requirements of Ontario Regulation (O.Reg.)153/04. Soil and groundwater quality was assessed in the context of the applicable Ministry of Environment, Conservation and Parks (MECP) (MOE, 2011) Site Condition Standards (SCS) as referenced by O.Reg.153/04.

Site Description and Current Operations

Based on the historical information gathered during the Phase One ESA, the Phase One Property and surrounding Study Area (within 250 m of the Phase One Property) were generally vacant/undeveloped or of residential property use prior to 1920. From 1920 until present day, the Phase One Property and surrounding Study Area have been developed for mixed residential/commercial/light industrial uses. Based on aerial photography, the Phase One Property underwent its first major development sometime between 1928 and 1958, and the buildings present in 1958 appear to be of similar configuration as present day.

At the time of the Supplemental Phase Two ESA work, the Site consisted of multiple multi-tenant buildings, a paved parking area, and a grassy/treed courtyard area. Operations included a pet salon, a home hardware storage space (hardwood and tile storage), a storage service, several small coffee shops, an upholsterer, a bicycle shop, a tattoo parlor, a workout space, a food bank, and a pub. The Client is proposing to redevelop the Site into a multi-storey mixed-use residential development with underground parking.

Previous Investigations

Stantec reviewed several previous environmental reports were that were publicly available or provided to Stantec under a confidentiality agreement including: a Phase I ESA, a Phase II ESA, a Remedial Action Plan (RAP), groundwater injection reports, air sampling reports, soil vapour sampling reports and groundwater monitoring reports completed by several consultants between 2005 to 2023. In addition, a historical summary of groundwater, soil vapour and survey data were provided to Stantec. The previous environmental reports have been summarized in Section 2.2 of this Supplemental Phase Two ESA.

Based on the results of the Phase One and Two ESA, Stantec has completed an O. Reg. 153/04 Tier III Risk Assessment including the identification of risk management measures (RMMs) to support the redevelopment of the Site. The Risk Assessment has been submitted to the MECP for initial review. Upon MECP approval of the Risk Assessment and issuance of a Certificate of Property Use (CPU), an RSC will be prepared and submitted for MECP acknowledgment.

Site Condition Standards

Considering the proposed redevelopment of the Site, the MOE (2011) Table 7 SCS for Residential/Parkland/Institutional land use in a non-potable groundwater condition with coarse textured soils were considered the standards applicable at the Phase Two Property. In addition, soil and groundwater analytical data were compared to the soil/groundwater property specific standards (PSS) developed as part of the risk assessment.

Soil vapour results were compared to calculated soil vapour criteria for a slab-on-grade, commercial scenario and historical results. The potential for soil vapour intrusion in a residential scenario was evaluated within in the risk assessment.

Findings

The findings of the Supplemental Phase Two ESA are as follows:

- The soil profile was generally consistent with that reported during previous investigations at the Phase Two Property. Generally, drilling investigations indicate the soil profile consisted of up to 1.75 m of silty sand fill and granular material which was underlain by limestone bedrock.
- Bedrock geology in the Study Area was mapped as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group and Simcoe Group, Shadow Lake Formation (MNR, 1991). Limestone bedrock was encountered at depths between 0.46 m and 1.2 m below grade surface (BGS) during this investigation.
- Between 2023 and 2025, the depth to water measured in each bedrock groundwater unit was as follows:
  - Shallow bedrock unit: 1.14 – 6.99 m BGS; 55.30 – 60.88 m above mean sea level (AMSL)
  - Intermediate bedrock unit: 3.33 – 8.57 m BGS; 56.55 – 54.47 m AMSL
  - Deep bedrock unit: 3.70 – 22.16 m BGS; 53.56 – 40.81 m AMSL
- Based on groundwater level measurements from 2025, the groundwater flow direction in the shallow groundwater unit was interpreted to have components of flow to the northeast and

southwest and is likely influenced by the presence of utility trenches. The groundwater flow direction in the intermediate groundwater unit was interpreted to be to the northeast. The groundwater flow direction in the deep groundwater unit could not be interpreted due to the lack of monitoring data in deep groundwater monitoring wells. Historically, based on the observed deep groundwater elevations from on-site and off-site data, a south to southeast component to the flow direction (toward the geological fault adjacent to the east of the Site) was reported by Golder.

- Based on the hydraulic conductivity testing performed in 2025, the hydraulic conductivities were as follows: MW14-1A (screened in intermediate bedrock unit): 1 x 10^{-7} m/s to 3 x 10^{-7} m/s, MW14-1B (screened in shallow bedrock unit): 6 x 10^{-6} m/s, and MW19-12B (screened in intermediate bedrock unit): 2 x 10^{-7} m/s.
- The average horizontal hydraulic gradient in 2025 from the shallow, intermediate, and deep bedrock groundwater units were 0.14 m/m, 0.13 m/m, and 0.097 m/m, respectively, which is similar to historical results.
- The following parameters were considered COCs that exceeded Table 7 SCS in soil: TCE, PCE, PHC F3, boron, lead, cadmium, thallium, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, and phenanthrene.
- The following parameters were considered COCs that exceeded Table 7 SCS in groundwater: benzene, toluene, ethylbenzene, xylenes, PHC F1-F4, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, dichloroethene, trans-1,2-DCE, 1,2 dichloropropane, 1,1,2,2-tetrachloroethane, PCE, TCE, VC, anthracene, acenaphthylene (RDL > SCS), benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, dibenzo(a,h)anthracene (RDL > SCS), chrysene, indeno(1,2,3-cd)pyrene, naphthalene, pyrene.
- In 2025, concentrations of PAHs and metals in soil, and PHCs and PAHs in groundwater exceeded the PSS developed as part of the risk assessment. The risk assessment will be updated to include the 2025 soil, groundwater, and soil vapour data; the PSS and/or the RMMs will be revised as needed.
- Based on groundwater monitoring and sampling of the newly installed monitoring wells in May 2025, the extents of observed LNAPL have been delineated to the north, west, and south, but are known to extend off-site to the east, into the municipal right-of-way.

Discussion of Findings

Based on the results of the Phase One ESA and the initial and Supplemental Phase Two ESAs and considering historical data, the contaminants of concern have been identified at the Site. Multiple investigations have been completed to locate the maximum concentrations and delineate the soil and groundwater exceedances at the Site; however, not all contaminants of concern have been delineated as some are known to extend off-site. The soil, groundwater, and soil vapour data collected by Stantec is consistent to historical results and additional efforts to delineate the soil and groundwater exceedances will not significantly contribute to the Site's conceptual site model, including the interpretation of the distribution and extent of the contaminants of concern.

The soil and groundwater results exceed the applicable Table 7 SCS and soil vapour results exceed the Health Based Indoor Air Criteria (HBIAC). Soil and groundwater exceedances of Table 7 SCS and soil vapour exceedances of the HBIAC have the potential to create adverse effect for both on-site and off-site receptors. On-site conditions are being managed by the Client through a proposed redevelopment which will remove a significant source of impacted soil, bedrock and groundwater at the Site. The proposed redevelopment will alter conditions during construction, and the Client will be completing an offsite monitoring program during redevelopment activities to assess the potential for adverse effect for off-site receptors. It is anticipated that conditions will be monitored post-construction to assess the risk for receptors at the Site. Off-site monitoring is currently being completed by others.

Based on the results of the Supplemental Phase Two ESA, exceedances of the MOE (2011) Table 7 SCS for the COCs (PHCs, VOCs, PAHs, metals) were measured within APECs 1 to 7 at the Phase Two Property in soil, groundwater, and/or soil vapour at the time of the assessment. A summary of maximum concentrations for soil, groundwater and soil vapour was prepared using historical data provided by others and incorporating the new data collected by Stantec.

Exceedances of soil and groundwater standards are addressed in the O.Reg. 153/04 Tier 3 Site Specific Risk Assessment (Tier 3 SSRA).

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1 Introduction

Taggart Realty Management/1000147699 Ontario Inc. (the Client) retained Stantec Consulting Ltd. (Stantec) to conduct a Supplemental Phase Two Environmental Site Assessment (ESA) for the Proposed Hintonburg Development, which includes the properties bounded by Spencer Street, Parkdale Avenue, Armstrong Street and, Hamilton Avenue North (the “Phase Two Property” or the “Site”) in Ottawa, Ontario. These properties are broadly referred to as the “Block”. The municipal addresses for the properties within the Block include 3 Hamilton Avenue North (which includes units 5, 7A, 7B, and 340 Parkdale Avenue); and 223, 229, and 233 Armstrong Street.

The initial Phase Two ESA was dated March 1, 2024, and included soil, groundwater, and soil vapour data collected in 2023. The 2024 Annual Report dated February 13, 2025, included groundwater and soil vapour data collected in 2024. This Supplemental Phase Two ESA includes soil, groundwater, and soil vapour data collected in 2025.

The Supplemental Phase Two ESA was conducted for the Client to delineate the light non-aqueous phase liquids (LNAPL) observed in 2024 and to characterize soil, groundwater, and soil vapour at areas of potential environmental concern (APECs) identified as part of a Phase One ESA (Stantec, 2023) for the contaminants of concern (COCs) associated with identified potentially contaminating activities (PCAs).

The project's objective is to obtain a Record of Site Condition (RSC) to support redevelopment of the Block. Based on the results of the Phase One and initial Phase Two ESA, Stantec has completed an Ontario Regulation (O. Reg.) 153/04 Tier III Risk Assessment and developed a series of risk management measures to address unacceptable risk from the COCs at the Site. The Risk Assessment was submitted for initial review to the Ministry of the Environment, Conservation and Parks (MECP). Upon MECP approval of the Risk Assessment and issuance of a Certificate of Property Use (CPU), an RSC will be prepared and submitted for MECP acknowledgment.

A survey of the Phase Two Property is provided in Appendix A. The Site location and the Phase Two Property details are included on Figure 1 and Figure 2a.

The Phase Two ESA was completed consistent with the industry practices documented in the Canadian Standard Association (CSA) Z769-00 standard for Phase Two ESAs and the requirements of Ontario Regulation (O.Reg.) 153/04. The report headings, format, and content follow the requirements of O.Reg. 153/04. Additional report sections were included to improve report clarity and completeness.

1.1 Site Description

The Site encompasses the properties bounded by Spencer Street, Parkdale Avenue, Armstrong Street and, Hamilton Avenue North (the Phase One Property) in Ottawa, Ontario. These properties are broadly referred to as the “Block”. The municipal addresses for the properties within the Block are 3 Hamilton Avenue North (which includes units 5, 7A, 7B, and 340 Parkdale Avenue); and 223, 229, and 233 Armstrong Street.

Based on the historical information gathered during the Phase One ESA, the Phase One Property and surrounding Study Area (within 250 m of the Phase One Property) were generally vacant/undeveloped or of residential property use prior to 1920. From 1920 until present day, the Phase One Property and surrounding Study Area have been developed for mixed residential/commercial/light industrial uses.

Based on aerial photography, the Phase One Property underwent its first major development sometime between 1928 and 1958, and the buildings present in 1958 appear to be of similar configuration as present day.

At the time of the Phase Two ESA work, the Site consisted of multiple multi-tenant buildings, a paved parking area, and an inaccessible grassy/treed courtyard area. Current operations included a pet salon, a hardware storage space (hardwood and tile storage), a storage service, several small coffee shops, an upholsterer, a bicycle shop, a tattoo parlor, a workout space, a food bank, and a pub.

The total area of the Phase Two Property is approximately 0.34 hectares (ha) (0.84 acres [ac]).

The Phase Two Property comprises of four parcels of land, and can be legally described as follows:

- 3 Hamilton Avenue North, Property Identifier Number [PIN] 04035-0144, and the legal description known as LT 1156, PL 157; LTS 1158 & 1159, PL 157; LT 1161, PL 157; OTTAWA
- 233 Armstrong Street, 7 Hamilton Avenue North, PIN 04035-0145, and the legal description known as LT 1163, PL 157; LT 1165, PL 157; OTTAWA
- 229 Armstrong Street, PIN 04035-0146, and the legal description known as PT LT 1160, PL 157; PT LT 1162, PL 157, PART 2 & 3, 4R1186; S/T CR664868; OTTAWA
- 223 Armstrong Street, PIN 04035-0147, and the legal description known as PT LT 1160, PL 157; PT LT 1162, PL 15; PT 1, 4R1186; AS IN NS89155 EXCEPT CR664868, T/W CR664868; OTTAWA

Figure 1 presents the Site's location. Figure 2a, Figure 2b, and Figure 2c present site plans showing the Site's features including the buildings, parking areas, landscaped areas, APECs, PCAs as well as the adjacent properties. Appendix A presents a Plan of Survey for the Site.

1.2 Property Ownership

The current owners of the Phase Two Property are 1000147699 Ontario Inc., 100165951 Ontario Inc. and Carleton Tavern (Ottawa) Limited. We understand that ownership may be subject to consolidation into one parcel at a later date under the Taggart Group.

Contact information for the owner is as follows:

Victoria Neadow, Assistant Property Manager
Taggart Realty Management
225 Metcalfe Street, Suite 708
Ottawa, Ontario, K2P 1P9

1.3 Current and Proposed Future Uses

The current property use at the Phase Two Property is commercial [O.Reg, 153/04, Part I, Section 1(2)]. The proposed future property use is for a multi-storey mixed-use (commercial and residential) building with several levels of underground parking.

1.4 Applicable Site Condition Standard

Stantec completed a review of the following site-specific characteristics to confirm the appropriate Table of applicable SCS:

1.4.1 Environmental Sensitivity

Section 41 of O.Reg.153/04 states that a property is environmentally sensitive if any of the following circumstances exist:

(1)(a) the property is,
- *(i) within an area of natural significance,*
- *(ii) includes or is adjacent to an area of natural significance or part of such an area, or*
- *(iii) includes land that is within 30 metres of an area of natural significance or part of such an area;*

(b) the soil at the property has a pH value as follows:
- *(i) for surface soil, less than 5 or greater than 9,*
- *(ii) for sub-surface soil, less than 5 or greater than 11; or*

(c) a qualified person is of the opinion that, given the characteristics of the property and the certifications the qualified person would be required to make in a record of site condition in relation to the property as specified in Schedule A, it is appropriate to apply this section to the property.

Stantec's work did not identify areas of natural significance on or adjacent to the Phase Two Property. During the Phase Two ESA investigation, pH results were within the acceptable ranges of 5 to 9 for surface soils. Therefore, the Phase Two Property is not environmentally sensitive as per the definitions provided in Section 41 of O.Reg.153/04.

1.4.2 Soil Thickness and Proximity to a Water Body

In areas of potable groundwater conditions, Table 2 SCS cannot be used if any of the following circumstances exist (Section 43.1 of O.Reg.153/04):

(a) the property is a shallow soil property; or

(b) the property includes all or part of a water body or is adjacent to a water body or includes land that is within 30 metres of a water body.

Stantec did identify bedrock within 2 metres (m) of the existing ground surface during the Supplemental Phase Two ESA and historical ESAs. The boreholes advanced as part of this assessment indicated sampler refusal on bedrock between 0.46 m and 1.5 m BGS. The borehole logs are presented in Appendix C.

The Ottawa River is located approximately 1 km north of the Site.

Based on the current and historical subsurface ESA investigations and a review of available mapping, the Phase Two Property is a shallow soil property, but is not situated within 30 m of a surface water body.

1.4.3 Soil Texture

Section 42.1 of O.Reg.153/04 identifies specific generic SCS for coarse and medium/fine textured soil. The use of SCS for medium and fine textured soils occurs when “more than 50 per cent by mass of particles are smaller than 75 micrometres (µm) in mean diameter”. The use of SCS for coarse textured occurs when “*at least 1/3 of the soil at the property, measured by volume, consists of coarse textured soil”.*

Grain size distribution analyses were completed on soil samples BH23-1, BH23-6, BH23-7 and BH23-8 as part of the initial Phase Two ESA. Results of the grain size analyses indicated each of the samples had more than 60% by mass of particles greater than 0.075 mm in mean diameter. Based on the grain size distribution analysis, the soil at the Phase Two Property (by volume) would be considered coarse textured.

The grain size analysis results are provided in the laboratory certificates in Appendix D.

1.4.4 Groundwater Use

ERIS completed a search of the Ontario Water Well Database for the Site as part of the Phase One ESA (Stantec, 2023). The search results indicated the presence of 41 water wells located within the Phase One Study Area (i.e., within 250 m of the Property). The listed water well records do not suggest potable use; rather the reported uses were monitoring or observation wells.

Potable water obtained from the Ottawa River is supplied to properties located, in whole or in part, within 250 m of the boundaries of the Phase Two Property through a municipal drinking water system, as defined in the Safe Drinking Water Act, 2002.

The Phase Two Property is not located in an area designated in a municipal official plan as a wellhead protection area or other designation identified by the municipality for the protection of groundwater.

Consistent with the requirements of O.Reg. 153/04, a letter stating the intention to apply non-potable SCS at the Site was provided to the City of Ottawa on September 27, 2023, and again on March 31, 2025, to indicate a Site-Specific Human Health and Ecological Risk Assessment was being completed at the Site. A response to the letter has not yet been received by Stantec. However, based on the location of the Site

and previous experience, the City of Ottawa should not have an objection to the use of non-potable SCS at the Site.

Considering the above information, the non-potable groundwater SCS available in O.Reg. 153/04 were considered applicable at the Phase Two Property.

1.4.5 Land Use

The current land use is commercial. However, as the proposed future property use is residential (with ground floor commercial), the SCS for RPI property use were considered applicable.

1.4.6 Applicable Standards

Based on a review of the property characteristics presented above and considering the proposed redevelopment of the Site into mixed-use residential, the MOE (2011) Table 7 SCS for use in a non-potable groundwater condition and an RPI land use with coarse textured soils were considered applicable at the Phase Two Property.

Soil vapour results were compared to soil vapour criteria considered representative of concentrations below which no health risk would be expected for indoor receptors/occupants of the commercial buildings due to vapour intrusion. The soil vapour criteria were established by using a generic attenuation factor to adjust the MECP Health-Based Indoor Air Concentrations (HBIAC). The attenuation factor applied (0.004) is considered representative of vapour migration into a generic slab on grade commercial building. Future residential scenarios were not evaluated for the purpose of this report but are evaluated in the risk assessment.

No hydrogeological or geological interpretations have been included as part of this project that would differ from the assumptions on which the O.Reg.153/04 Site Condition Standards are based.

1.5 Property-Specific Standards

In Stantec's Tier III Risk Assessment submitted to the MECP in June 2025, risk evaluations for the human health and ecological risk assessments were used to determine property-specific standards (PSSs) for the COCs. The PSSs are media concentrations considered sufficiently low that no adverse effects are expected for the identified receptors and the relevant exposure pathways. PSSs take into account the risk management measures (RMMs) that are recommended for the Site. For chemicals not considered COC and not evaluated in the risk assessment to determine PSSs, it is understood that the generic SCS continue to apply.

The PSSs have been included in the data tables along with the applicable provincial standards (Table 7 SCS) for comparison purposes.

2 Background Information

2.1 Physical Setting

Based on a review of topographic mapping and observations made during the Phase One ESA (Stantec, 2023), the regional surface drainage in the area of the Phase Two Property appears to be north toward the Ottawa River. The nearest major surface water body is the Ottawa River located approximately 1.0 km to the north.

According to the Phase II ESA completed by Paterson in 2011 (Paterson, 2011b), groundwater in the intermediate bedrock unit was determined to be flowing towards the north to northeast. In the site-wide and semi-annual groundwater monitoring reports (which included both on-site and off-site monitoring wells) completed by Golder in May 2019 (Golder, 2019a) and July 2019 (Golder, 2019b), respectively, it was determined that the groundwater flow direction in the shallow bedrock was variable (towards the west, north, and east), likely due to the heavy influence by underground utility trenches. While the groundwater flow direction in the intermediate and deep bedrock intervals was noted being east and northeast towards a geological fault (Golder, 2019a), it was interpreted that the COCs at the Phase Two Property appeared to be migrating in a southern direction due to the influence of the southerly dipping bedrock, with a slightly easterly migration component due to the geological fault.

It should be noted the elevation of the local groundwater table can generally mimic the local topography and may not reflect the regional trend in drainage. The local shallow groundwater flow pattern can also be influenced by nearby subsurface structures, such as building foundations, weeping tiles and utility trenches. Previously determined groundwater flow directions may not be reflective of current groundwater flow directions due to varying conditions during previous site investigations or current site investigations including on-going construction, remedial efforts at the Phase Two Property, changes to underground utilities, and the influence of temporary construction or permanent dewatering at properties within the Study Area. In addition, groundwater flow in bedrock is affected by the number, size, and orientation of the fractures present in the bedrock.

The surface of the Phase Two Property (where buildings were not present) was primarily comprised of paved parking areas, concrete sidewalks, asphalt rights-of-way, and a grassy courtyard area. It is expected that surface water infiltrates to the subsurface through the grassy courtyard area or runs off towards the storm drains around the perimeter of the Phase Two Property. During the Phase One ESA site visit on March 17, 2023, there was significant pooling of rainwater in open potholes and other small, localized depressions including areas where monitoring wells had been installed.

2.2 Past Investigations

Based on the reports available for Stantec's review, soil and groundwater investigations were completed by others at the Site as far back as 2005. The results of previous investigations are summarized in the following table:

Table 2-1 Reviewed Environmental and Geotechnical Reports and Company Records

Title	Date	Client	Author
Analysis of Sources of Chlorinated Solvents at 223 Armstrong Street, 233 Armstrong Street and 3 Hamilton Avenue North, Ottawa, Ontario	August 2005	Honeywell International Inc. (Honeywell)	Golder Associates Ltd (Golder).
Findings:	The purpose of this report was to assess and describe the sources of chlorinated solvents resulting in groundwater impacts identified at the Site through a review of geology, hydrogeology, and contaminant distribution at 223 Armstrong Street, 233 Armstrong Street, 3 Hamilton Avenue North, and surrounding properties. A review of historical documents indicated the presence of floor drains at 233 Armstrong Street that drained wastes from motor and parts degreasing into the subsurface. A review of historical documents indicated that Ottawa Shoe Manufacturing company at 233 Armstrong Street may have used tetrachloroethylene (PCE) in leather preparation. A review of historical documents indicated historical storage of liquid hazardous materials including various chlorinated solvent degreasers, in the courtyard area of 3 Hamilton Avenue North. A review of historical documents indicated the historical operation of a structure resembling a dry well, and the historical operation of a degreasing dip tank under a “lean-to” structure located in the courtyard of 3 Hamilton Avenue North. A review of historical reports documented a number of other off-site uses of chlorinated solvents including a foundry, printing facilities, a retail fuel outlet, and a former dry cleaner within the Study Area; however, it was noted that based on the distribution of impacts observed at the Site, these off-site potential sources were unlikely to be the sources of chlorinated solvent impacts identified at the Site. Two distinct areas of Dense Non-Aqueous Phase Liquid (DNAPL) chlorinated solvents in soils in unsaturated zones were identified: 1) 3 Hamilton Avenue North, and 2) 233 Armstrong Street. The two areas of chlorinated solvents had distinct chemical signatures. The main COCs consisted of PCE, trichloroethylene (TCE), cis-1,2 dichloroethylene (DCE), and vinyl chloride. Additionally, some localized petroleum hydrocarbon impacts were identified. It was noted that all accessible soil was excavated down to bedrock across the courtyard areas of the Site (outside of the building footprints) in December 2000. It was not specified what type of material was imported to backfill the soil remediation excavation. Higher concentrations of chlorinated solvents in groundwater were observed at 233 Armstrong Street than at 3 Hamilton Avenue North. Based on the different chemical signatures, it appeared that the chlorinated solvents from 233 Armstrong Street had migrated towards 3 Hamilton Avenue North and beyond; however, the chlorinated solvents from 3 Hamilton Avenue North did not appear to have migrated towards 233 Armstrong Street. As the purpose of the report was to identify the sources of the confirmed chlorinated solvent impacts, no further recommendations were made at the time of report issuance; however, Golder did provide a Remedial Action Plan (RAP) under separate cover, summarized below. Based on the review of this report, Stantec has identified PCAs contributing to APECs were identified at 223 Armstrong Street **(APEC 3a, 3b, 3c)** and 3 Hamilton Avenue North **(APEC 4a, 4b)**.		

Title		Date	Client	Author
Remedial Action Plan, Migration Control – For Perimeter Shallow Groundwater Control System, 3 Hamilton Avenue North, Ottawa, Ontario		August 2005	Honeywell International Inc.	Golder Associates Ltd.
Findings:	The purpose of this report was to provide description of the technical justification for a perimeter groundwater control system to be installed around 3 Hamilton Avenue North, 223 Armstrong Street, and 233 Armstrong Street. The purpose of the perimeter groundwater control system was to prevent contaminants originating from the aforementioned properties from migrating to the municipal rights-of-way and other downgradient and surrounding properties. • Sources of chlorinated solvents were identified at 3 Hamilton Avenue North and 233 Armstrong Street. • 3 Hamilton Avenue North is downgradient of 233 Armstrong Avenue Street (implying a north/northwesterly local groundwater flow direction). The chlorinated solvents from 233 Armstrong Street were migrating towards 3 Hamilton Street and beyond. • Without prevention of further migration of the chlorinated solvents, shallow groundwater impacts may pose an unacceptable risk to indoor air at properties downgradient of the Site. • A network of eductors in extraction wells was proposed based on cost effectiveness, ease of upgrading additional recovery wells if needed, the ability to maintain a negative vacuum on the well head to effectively recover groundwater and vapour, and the ability to maintain low water levels in the wells to induce a reasonable radius of influence in the groundwater. • The proposed system would consist of 24 recovery wells installed to a depth of 7 metres below ground surface (m bgs) and designed for continual operation. Based on pilot testing, each eductor would have a radius of influence of up to 4 metres and would recover up to 1.0L/minute. • The proposed treatment system would have two waste streams (an air stream and a water stream), running through granular activated carbon fiber filters, and the expected groundwater extraction rate would be less than 50,000 litres per day.			
Ministry of Environment (MOE) (now MECP) correspondence with Golder Associates Ltd. in response to the Analysis of Sources of Chlorinated Solvents and the Remedial Action Plan for 223 Armstrong Street, 233 Armstrong Street and 3 Hamilton Avenue North, Ottawa, Ontario		October 13, 2005	Golder Associates Ltd.	Ministry of Environmental (Ontario)
Findings:	A letter was provided to comment on the findings and recommendations of the Analysis of Sources of Chlorinated Solvents and the Remedial Action Plan for 223 Armstrong Street, 233 Armstrong Street and 3 Hamilton Avenue North, as well as to provide further recommendations and requirements, as applicable. • The Ministry was in agreement with the conclusions and proposed RAP provided by Golder as outlined in the two summarized reports above. • The Ministry was concerned that the success of the perimeter pump and treatment system may depend on how closely the system simulates the Sites hydrogeological conditions; therefore, the Ministry recommended that Golder conduct quarterly sampling of 12 monitoring wells for at least two years after initiating the treatment system.			

Title		Date	Client	Author
	• The treatment system was required to be operational for as long as the identified DNAPL source zones existed, which "may be an exceedingly long time as no accurate estimation of contaminant source mass was determined at the Site."			
Phase I – Environmental Site Assessment, Proposed Multi-Storey Building, 233 Armstrong Street, and 3 Hamilton Avenue North, Ottawa, Ontario		October 21, 2011	Tega Developments (Tega)	Paterson Group Inc. (Paterson)
Findings:	The purpose of this report was to conduct a Phase I ESA to research the past and current land uses of the Site and surrounding Study Area and to identify any environmental concerns with the potential to have impacts on the Site. • The Phase I ESA documented six former industrial sites within 200 m of the Site that had been reported as having been redeveloped by present day. • No significant environmental concerns were identified during the site visit with exception of suspected asbestos containing material. No off-site concerns were identified. • The report indicated there were five unique PCAs at two properties (233 Armstrong Street **[APEC 3a, 3b, 3c]** and 3 Hamilton Avenue North **[APEC 4a, 4b]**). Paterson recommended a Phase II ESA to assess on-site groundwater impacts that had been previously documented, as well as a remedial program for the property prior to redevelopment.			
Phase II – Environmental Site Assessment, Proposed Multi-Storey Building, 233 Armstrong Street, and 3 Hamilton Avenue North, Ottawa, Ontario		December 1, 2011	Tega Developments	Paterson Group Inc.
Findings:	The purpose of this report was to conduct a Phase II ESA along with a geotechnical study and remedial action plan (RAP) to support the proposed redevelopment of the Site as residential condominiums. • The Phase II ESA consisted of three boreholes advanced to a maximum depth of 18 m bgs and completed with monitoring wells. Groundwater samples were collected and submitted for the analysis of VOCs. • BH1 was drilled near the centre of the Site; BH2 was drilled at the southwestern corner of the Site; and BH3 was drilled near the northwestern corner of the Site. • Concentrations of DCE and chloroform exceeded MECP Table 7 standards at all three monitoring wells. • Concentrations of PCE exceeded MECP Table 7 standards at BH1 and BH2. • Concentrations of TCE and VC exceeded MECP Table 7 standards at BH1 and BH3 • Concentrations of benzene, 1,2-dichloroethane, and 1,1-DCE exceeded MECP Table 7 standards at BH1. • Exceedances varied from marginal to significant with the largest exceedance being PCE observed at a concentration to be 700 times the applicable standard at BH1 **(APEC #3 and #4)**. Paterson recommended that a full-depth remediation approach including pumping and treatment of impacted groundwater be conducted concurrently with the proposed redevelopment activities.			

Title		Date	Client	Author
Report review, 3 Hamilton Avenue North and 233 Armstrong Street, Ottawa, Ontario		September 12, 2011	Business Development Bank of Canada	Pinchin Environmental
Findings:	The purpose of this report was to review five environmental reports previously completed for the Site from 2005 to 2011. Key points of each report are summarized below: "*Remedial Action Plan, Migration Control - For Perimeter Shallow Groundwater Control System, 3 Hamilton Avenue North, Ottawa, Ontario*", prepared by Golder Associates., for Honeywell International Inc., dated August 2005. • Summarized, above. "*August 2010 Quarterly and Annual Off-Site Groundwater at 3 Hamilton Avenue North, Ottawa, Ontario*", prepared by Golder for Honeywell, dated February 2011. • 71 monitoring well samples were assessed for primarily for VOCs with a few historical samples assessed for petroleum hydrocarbons (total petroleum hydrocarbons or fractions F1-F4) from quarterly and annual groundwater monitoring and sampling events since 2005. • Golder concluded that groundwater impacts within the shallow and deep bedrock remained present both on- and off-Site but that impacts in close proximity to the Site were not increasing. "*Soil Vapour Sampling and Screening Level Risk Assessment, 3 Hamilton Avenue North, Ottawa, Ontario*", prepared by Golder Associates for Honeywell International Inc., dated March 2011. • Eight vapour sample probes were installed at the Site and select off-Site locations to collect samples to determine ambient vapour conditions. • Potential risks were calculated based on hazard quotients and incremental lifetime cancer risks, and human receptors were identified as being residential tenants (both children and adults). • Previous risk assessment investigations completed at the Site and surrounding properties concluded that chloroform concentrations did not originate from the on-Site impacts and were likely generated from an off-Site chlorinated source leak such as drinking water or sanitary sewer. The RA concluded that chloroform did not present unacceptable risk. • Additional risk was evaluated for construction workers with limited time in a hypothetical on-Site trench (human receptor) and it was determined that no significant risk could be identified; however, it was recommended that these human receptors take precaution in the form of respirators, long sleeve shirts, pants, gloves, and boots to minimize exposure and contact with the impacts. • Golder recommended vapour sampling be continued to ensure long-term risks from inhalation remain acceptable. "*Phase I-II Environmental Site Assessment, Proposed Multi-Storey Building, 233 Armstrong Street and 3 Hamilton Avenue North, Ottawa, Ontario*", prepared by Paterson Group Inc. for Tega Developments, dated August 12, 2011. • Summarized, above. "*Environmental Remedial Action Plan and Associated Quantities, Proposed Residential Building, 233 Armstrong Street and 3 Hamilton Avenue North, Ottawa, Ontario*", prepared by Paterson for Tega Developments, dated August 15, 2011.			

Title	Date	Client	Author
• The RAP consisted of a memorandum discussing Site development including excavating on-Site soil and bedrock to an approximate depth of 21 m bgs. • Paterson proposed that all groundwater accumulated in the excavation be pumped, treated on site via air stripping or granular activated carbon and then discharged to the City sanitary sewer system. • The remedial option would be required to meet MECP requirements to complete a Record of Site Conditions as a land use change was being proposed. • The excavation was estimated to be open for 6 to 8 months and drawdown created by the excavation was estimated to be approximately 85 to 170 metres. • It was surmised that any remaining impacts would biodegrade through natural attenuation.			
Memorandum - Environmental Remedial Action Plan, Proposed Residential Building, 233 Armstrong Street and 3 Hamilton Avenue - Ottawa	December 20, 2012	Tega Developments	Paterson Group Inc.
Findings: The purpose of the 2012 memorandum was to revise the RAP from 2011 based on new information. A summary of key points in the RAP are below: • Paterson recommended that two additional deep monitoring wells be drilled to confirm groundwater contamination was not present below the proposed foundation depth of 21 metres. • A remediation program using a full depth generic approach be used, including source removal by excavating all VOC impacted soil, bedrock, and groundwater from within the boundaries of the Site. • Overburden soils, where present would be stripped and segregated for off-Site disposal. Soil would be stockpiled in 20 to 40 m^3 piles and screened and tested for VOC impacts. • Bedrock would be removed by line drilling and blasting, and line drilled holes along the site perimeter would be immediately grouted to eliminate potential vertical migration of VOCs. • Following excavation, bedrock face would be sprayed with 50 mm layer of shotcrete to seal the bedrock surface and minimize vertical migration of off-Site impacted groundwater. • Groundwater and surface water infiltrating the excavation would be directed towards a lower area of the excavation and water would be pumped through a treatment system prior to being disposed. • A VOC resistant waterproof membrane would be installed between two layers of concrete along the concrete floor slab and follow up testing and corrections would be made, if necessary, to ensure the functionality of the membrane. • A confirmatory sampling program would be carried out following the implementation of the RAP program.			
Phase One Environmental Site Assessment: Proposed Development Hamilton Avenue, Spencer Avenue, Parkdale Avenue, Armstrong Street, Ottawa, Ontario	Originally completed June 2023, finalized February 2025	Taggart Realty Management	Stantec Consulting Ltd. (Stantec)

Title		Date	Client	Author
Findings:	Findings from Stantec's Phase One ESA are detailed below in Section 2.2.1.			
Phase Two Environmental Site Assessment, Proposed Hintonburg Development, Ottawa, Ontario		March 2024	Taggart Realty Management	Stantec Consulting Ltd. (Stantec)
Findings:	Phase Two ESA incorporated soil, groundwater, and soil vapour data collected in 2023, as well as historical data to develop an updated CSM for the Site.			
2024 Groundwater and Soil Vapour Monitoring, Proposed Parkdale Development, Hamilton Avenue, Spencer Avenue, Parkdale Avenue, Armstrong Avenue, Ottawa, Ontario		February 2025	Taggart Realty Management	Stantec Consulting Ltd. (Stantec)
Findings:	In 2024, an annual monitoring program was undertaken by Stantec to maintain an audit of site conditions. In September and November 2024 additional characterization of VOCs in groundwater and soil vapour was completed to monitor and assess groundwater concentrations of PHCs, PAH, and cVOCs, and to monitor and assess similar COCs in soil vapour with consideration of potential vapour intrusion to buildings at the Site. During the September 2024 monitoring event, LNAPL was observed for the first time at the Site since 2003. Field observations noted a sheen in the purge water in MW01-10 and MW19-12B. Upon receipt of the groundwater samples, Paracel Labs reported that a sheen was observed in the sample container of samples MW08-32A and MW14-1B and that LNAPL was observed floating on top of the water in samples MW01-10 and MW19-12B.			
Phase Two Conceptual Site Model		April 2025	Taggart Realty Management	Stantec Consulting Ltd. (Stantec)
Findings:	The CSM from the Phase Two ESA dated March 2024 was revised to incorporate the 2024 groundwater and soil vapour monitoring event, and the observation of LNAPL in multiple monitoring wells.			
Risk Assessment – Proposed Hintonburg Development, Ottawa, Ontario		June 2025	Taggart Realty Management	Stantec Consulting Ltd. (Stantec)
Findings:	A Tier III Risk Assessment was submitted to the MECP. The risk evaluation for the human health risk assessment (HHRA) and ecological risk assessment (ERA) were used to determine PSSs for the COCs in soil and groundwater. Various risk management measures (RMMs) were recommended for specific exposure scenarios to support the redevelopment of the Site.			

2.2.1 Phase One ESA

Stantec conducted a Phase One ESA at the Phase Two Property (Stantec, 2025). The objective of the Phase One ESA was to determine if APECs exist at the Phase One Property, which may be present due to current and/or past activities on the Phase One Property or adjacent/neighbouring properties within 250 m of the perimeter of the Phase One Property (“Phase One Study Area”).

The Phase One ESA identified PCAs contributing to 17 APECs at the Phase Two Property. A summary of the PCAs and APECs is listed in the table below, as well as on Figure 2b.

Table 2-2 Areas of Potential Environmental Concern

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground Water, Soil And/Or Sediment)
1a	Southern portion of Phase One Property	*PCA No. 6* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28) and a fuel related spill	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1b	Southwest portion of Phase One Property	*PCA No. 8* Commercial Autobody Shop (O.Reg. 153/04 PCA 10) and waste generation of various types including fuel related waste	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1c	Southeast portion of Phase One Property	*PCA No. 11* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1d	South portion of Phase One Property	*PCA No. 12* Mill, lumber yard, and dry kiln (O.Reg. 153/04 PCA Undefined)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1e	Southeast portion of Phase One Property	*PCA No. 13* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg.153/04 PCA 28) Fuel related spill	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground Water, Soil And/Or Sediment)
2	Northern portion of Phase One Property	*PCA No. 9* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28) and a fuel related spill	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3a	Southwestern portion of Phase One Property	*PCA No. 1* Potential PCE use during leather preparation for shoe fabrication (O.Reg.153/04 PCA Undefined)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3b	West portion of Phase One Property	*PCA No. 14* Metal Fabrication (O.Reg 153/04 PCA 34)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3c	West portion of Phase One Property	*PCA No. 15* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
4a	Northwest portion of Phase One Property	*PCA No. 3* Vehicles and Associated Parts Manufacturing [1] (O.Reg. 153/04 PCA 57) and waste generation of various types including fuel related waste and chlorinated solvents	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground Water, Soil And/Or Sediment)
4b	Northwest portion of Phase One Property	*PCA No. 7* Metal Fabrication (O.Reg. 153/04 PCA 34)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and ground water
5a	Southeastern portion of Phase One Property	*PCA No. 10* Fuel related spill	Off-Site	• BTEX • PHCs • Metals • PAHs • VOCs	Soil and groundwater
5b	Southeastern portion of One Property	*PCA No. 16* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28). Two historical fuel oil ASTs in the northeast corner of the Carleton Tavern (223 Armstrong Street) that have been removed.	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
6a	Entire Phase One Property	*PCA No. 2* 2: Confirmed PCE, TCE, DCE, vinyl chloride and hydrocarbon impacts	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
6b	Entire Phase One Property	*PCA No. 4* Importation of Fill Material of Unknown Quality (O.Reg. 153/04 PCA 30)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground Water, Soil And/Or Sediment)
7	Northeast portion of the Site	*PCA No. 5* Poorly managed waste in basement directly overlying eroded building foundation (O.Reg.153/04 PCA Undefined)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
8	Central and south-central (exterior) portions of Phase One Property. Off-site sidewalks and roadways	*PCA No. 17* Historical application of de-icing compounds (O.Reg.153/04 PCA Undefined)	On-Site Off-Site	• EC, SAR • Sodium, chloride	Soil and groundwater

Notes:

PHCs: petroleum hydrocarbons

BTEX: benzene, toluene, ethylbenzene and xylenes

VOCs: Volatile Organic Compounds

PAHs: polycyclic aromatic hydrocarbons

Metals include Barium, Beryllium, Boron, Cadmium, Cobalt, Copper, Lead, Molybdenum, Nickle, Silver, Thallium, Uranium, Vanadium, Zinc, and hydride forming metals: Antimony, Arsenic, Selenium and other regulated parameters including Cyanide and Electrical Conductivity (EC), Sodium Adsorption ration (SAR)

[1] While there was no evidence to indicate manufacturing of automobile parts, there was evidence and information related to the historical manufacturing of navigational equipment for aviation vehicles.

During the completion of the Phase One ESA in 2023, Stantec submitted a request to the MECP's Freedom of Information and Protection of Privacy Office who indicated that approximately 6,500 hardcopy pages had been located and were available for purchase. Stantec purchased the information, and it was received from the MECP on February 13, 2024. A total of 20,403 pages of records were provided and reviewed. Generally, the results were consistent with information that was previously provided to Taggart and summarized above. When considering the historical data there was no new information presented that would warrant additional environmental assessment.

2.2.2 Data Corroboration and Validation

Stantec undertook efforts to perform data corroboration and validation of the information extracted from past environmental reports as required by O.Reg. 153/04. In the absence of guidance in O.Reg. 153/04, the data corroboration and validation were undertaken consistent with the requirements of Section 6.1.2 of CSA Standard Z769-00 for conducting Phase Two ESAs. The steps taken are summarized below:

- Stantec conducted Phase One and Two ESA studies to corroborate the findings of the past assessments summarized above.
- Stantec sampling was completed consistent with the methodologies required by O.Reg. 153/04. Groundwater samples were collected and submitted for analysis of the COCs.

Stantec collected groundwater samples from previously installed monitoring wells installed by other consultants. Groundwater samples were analyzed by an appropriately accredited laboratory for the COCs identified by the Phase One and Phase Two ESAs.

3 Scope of the Investigation

This section presents on overview of the investigations undertaken at the Phase Two Property, a summary of the media investigated, the investigation methods utilized, description of the Phase One ESA Conceptual Site Model (CSM), a discussion of deviations from the Sampling and Analysis Plan (SAP), and a description of impediments encountered during the investigation. In the initial Phase Two ESA (Stantec, 2024), considering the existing groundwater monitoring well network, historical data and given the constraints associated with the location of the buildings, it was determined that no additional monitoring wells would be required to delineate groundwater quality, and a non-standard delineation approach could be applied for this Site. However, due to the observation of LNAPL at the Site during the September 2024 monitoring event, additional monitoring wells were installed in 2025 to attempt to delineate the observed LNAPL at the Site.

3.1 Overview of Site Investigation

The Supplemental Phase Two ESA was conducted to attempt to delineate the LNAPL observed in 2024 and to further assess the presence and location of COCs that could potentially be associated with APECs identified at the Phase Two Property, as summarized in the Phase One ESA (Stantec, 2023).

The Supplemental Phase Two ESA followed a non-standard delineation approach (lateral and vertical delineation of COCs in soil and groundwater were not deemed necessary, as further discussed in Section 5.13) which included the advancement of boreholes, the installation of monitoring wells, a soil and groundwater sampling program as well as an assessment of soil vapour. The Phase Two ESA SAP is provided in Appendix B. Stantec staff observed the drilling work completed during the Supplemental Phase Two ESA. The fieldwork for the Supplemental Phase Two ESA was completed between May and July 2025.

The rationale for selection of borehole locations is presented below, as well as within the scope of work table within the SAP in Appendix B. Note that the rationale presented below is specific to the Supplemental Phase Two ESA; the scope of work table within the SAP pertains to the initial and Supplemental Phase Two ESA.

- Stantec advanced boreholes MW25-1 to MW25-5, completed as monitoring wells, to attempt to delineate the LNAPL observed in 2024.
- Soil samples collected in the field from the boreholes were field-screened for combustible vapor concentrations (CVCs) using a RKI Eagle™ 2 combustible gas detector. The Eagle 2 is equipped with a photoionization detector (PID) and was also used to field-screen for total organic vapors (TOV).
- Select soil samples from the completed boreholes were submitted to Paracel Laboratories for analyses of one or more of the following: PHCs, metals including hydride forming metals, PAHs, and VOCs.

- Monitoring and sampling of accessible pre-existing and newly installed monitoring wells in June – July 2025, and submission of groundwater samples to Paracel for laboratory analysis of one or more of the following: PHCs, metals including hydride forming metals, inorganics, PAHs, and VOCs.
- Soil vapour sampling was completed at eleven soil vapour probes across the Phase Two Property to evaluate the potential for adverse effects to future on-site residential receptors. Soil vapour samples were collected at vapour probes VP07-1, VP07-3, VP12-1, VP12-2, VP12-3, VP14-1, VP14-2, VP14-3, VP14-04, VP14-7, and VP14-10 in June – July 2025. Soil vapour samples were collected after integrity testing of the vapour probe and sampling train indicated that ambient air would not be introduced into the sample through leaks in the sampling train or vapour probe seal. The vapour probes were purged under a plastic shroud with approximately 40% helium. The concentration of helium in purged air was measured using a helium detector (MGD-2002). Soil vapour samples were collected at a rate of 140 mL/min into 1.4 L Summa canisters supplied by Bureau Veritas (BV) and analyzed for concentrations of PHC F1, PHC F2 (including aromatic and aliphatic subfractions) and VOCs.
- Comparison of the soil and groundwater analytical results to the MOE (2011) Table 7 Site Condition Standards for RPI land use, as well as the PSSs for soil and groundwater and the site-specific soil vapour standards. The appropriate Site Condition Standards were determined during the initial Phase Two ESA, and the PSS were calculated in the risk assessment.
- Preparation of a Phase Two ESA summary report consistent with the requirements of O.Reg. 153/04.

Borehole and monitoring well locations are shown on Figure 2a.

3.2 Media Investigated

The media investigated during the Phase Two ESA and Supplemental Phase Two ESA that are applicable to the O.Reg. 153/04 RSC filing were soil and groundwater. No surface waters are present on or near the Site, and as such surface water or sediment were not sampled. The soil vapour characterized across the Phase Two Property was completed to evaluate the potential for adverse effect via vapour intrusion at the Phase Two Property.

3.2.1 Soil

The main objectives of the Stantec soil sampling program were to:

1. Assess soil quality, both laterally and vertically, at the Phase Two Property.
2. Corroborate and verify the locations and concentrations of the COCs identified at the Phase Two Property.

To meet these objectives, five boreholes were advanced and completed as monitoring wells (MW25-1 to MW25-5) to attempt to delineate LNAPL; sufficient soil was present in two of the boreholes for soil samples to be collected, but not enough soil was collected for field duplicates. The boreholes were

advanced to bedrock, encountered at depths ranging from approximately 0.46 m to 1.5 m below ground surface (m BGS).

Soil samples collected during the assessment were analyzed as summarized below.

Table 3-1 Soil Parameters Analyzed

Parameter	No. of Samples Analyzed*
Metals including hydride forming metals & inorganics	3
PHC	3
VOCs	3
PAHs	3

*- Not including QA/QC (field duplicate) samples

3.2.2 Groundwater

The main objectives of the Stantec groundwater sampling program were to:

1. Attempt to delineate the observed LNAPL at the Phase Two Property.
2. Assess groundwater quality, both laterally and vertically, at the Phase Two Property.
3. Corroborate and verify the locations and concentrations of the COCs at the Phase Two Property.

Based on the existing monitoring well network at the Site in shallow, intermediate, and deep bedrock intervals, it was determined that coverage was adequate. However, additional monitoring wells were required to delineate the LNAPL observed in 2024. Groundwater was sampled at the Site in June – July 2025. Stantec developed and sampled 16 existing monitoring wells (MW05-4A, MW05-4, MW00-4, MW19-12A, MW19-12B, MW01-10, MW00-6, MW14-2, MW19-13A, MW19-13B, MW14-1A, MW14-1B, MW08-31A, MW08-32A, MW08-33A and MW08-34) and the five newly installed monitoring wells (MW25-1 to MW25-5), as well as two additional found monitoring wells (BH1 and MW14-2). Nested monitoring wells MW08-31 A/B/C, MW08-32 A/B/C and MW08-33 A/B/C were screened in the shallow bedrock interval. The “A” series for each well was sampled as it was the deepest well in the series but still considered a shallow monitoring well. Monitoring and groundwater sampling for laboratory analysis of select COCs was completed at these existing and newly installed monitoring wells.

Groundwater samples were analyzed as summarized below.

Table 3-2 Groundwater Parameters Analyzed

Parameter	No. of Samples Analyzed*
Metals including hydride forming metals & General Chemistry	23
PHC	23

Parameter	No. of Samples Analyzed*
PAHs	23
VOCs	23

* Not including QA/QC (duplicate, blank and trip) samples

3.2.3 Soil Vapour

The main objectives of the Stantec soil vapour program were to:

1. Assess soil vapour quality at the Phase Two Property, to assess the potential of vapour intrusion to indoor air.
2. Corroborate and verify the locations and concentrations of the COCs at the Phase Two Property.

Based on the existing soil vapour probe network at the Phase Two Property, it was determined that coverage was adequate. Stantec monitored and sampled the following soil vapour probes for laboratory analysis in June 2025: VP07-1, VP07-3, VP12-1, VP12-2, VP12-3, VP14-1, VP14-2, VP14-3, VP14-4, VP14-7, VP14-10.

Soil vapour samples were analyzed as summarized below.

Table 3-3 Soil Vapour Parameters Analyzed

Parameter	No. of Samples Analyzed*
PHC aromatic and aliphatic subfractions	11
VOCs	11

* Not including QA/QC (duplicate, blank and trip) samples

3.3 Phase One Conceptual Site Model

A CSM is a site-specific description of how contaminants enter the environment, how they are transported and distributed within the environment, and pathways through which exposure to humans and the environment can occur. The CSM provides the basis and framework for designing sampling programs, assessing risks from contaminants, addressing uncertainties, determining source control requirements, and identifying risk management/remedial strategies. Some of the key elements required in the CSM are the location and type of contaminant sources, transport/migration factors, contaminant fate/behavior, exposure mechanism/pathways, and potential receptors (human health and ecological).

In assessing and developing the CSM for the Phase Two Property at the time of the Phase One ESA, the site-specific physical characteristics/pathways were evaluated to assess whether or not the PCAs identified by the Phase One ESA could contribute to one or more APECs at the Phase One Property. The physical characteristics/pathways are summarized in Table 3-3 below. The APECs are summarized in Section 2.2.1, as well as in the Phase Two ESA scope of work table within the SAP in Appendix B.

The following physical characteristics/pathways were evaluated to assess whether PCAs have contributed to an APEC at the Phase One Property:

Table 3-4 Conceptual Site Model

Physical Characteristics/ Pathways	Description
Subsurface Soils	Based on information obtained from the Ontario Geological Survey Map titled Surficial Geology of Southern Ontario, the surficial geology in the vicinity of the Phase One Property generally consists of stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain. According to previous assessments of the Site, surficial soils are principally fill and only present up to approximately 1.75 m bgs, overlying a shallow bedrock in the area.
Bedrock	Based on information obtained from the Ministry of Natural Resources and Forestry (MNRF) Ontario Geological Survey Map 2544, titled Bedrock Geology of Ontario, Southern Sheet, bedrock in the vicinity of the Site is reported to consisted of limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group and Simcoe Group, Shadow Lake Formation. According to previous assessments of the Site and the Phase One Study Area, bedrock was encountered at depths as shallow as 0.81 m bgs.
Inferred Groundwater Flow Direction	Based on information accessed from the MNRF online mapping, regional surface drainage (and anticipated shallow groundwater flow direction) is expected to flow to the north toward the Ottawa River approximately 1 km from the Phase One Property. It should be noted the elevation of the local groundwater table can generally mimic the local topography and may not reflect the regional trend in drainage. The local shallow groundwater flow pattern can also be influenced by nearby subsurface structures, such as building foundations, weeping tiles and utility trenches. According to the Phase II ESA completed by Paterson in 2011, groundwater in the shallow bedrock unit was determined to be flowing to the northeast; however, according to two semi-annual groundwater monitoring events by Golder in 2019 (April and September 2018), groundwater flow in shallow bedrock was variable towards the west, north, and east. Groundwater flow in the deep bedrock was also noted as being as being eastward toward the geological fault adjacent to the east of the Site. Stormwater collected on the Site is anticipated to drain by infiltration or overland flow to nearby catch basins or roadways.
Underground Utilities	Given the current operations on the Site and surrounding Study Area and evidence provided by GeoOttawa, the Phase One Property is serviced, and underground utilities can be observed surrounding the Phase One Property and likely under the Property. Sanitary and storm manholes, catch basins, and fire hydrants were observed along the streets bounding the Block.

Features and details in relation to the Phase One Study Area and the Phase One Property are presented on Figure 1, Figure 2a, and Figure 2b. In general, the figures present the following where applicable: road names and existing buildings and structures; water bodies; locations of areas of natural significance (if present); PCAs and APECs.

3.4 Deviations from Sampling and Analysis Plan

The following deviations from the SAP occurred during the Supplemental Phase Two ESA:

- No soil samples were collected from MW25-01, MW25-02, and MW25-05, due to insufficient soil being present in the boreholes, or large amounts of cobbles/gravel.
- A soil field duplicate sample was not collected due to insufficient soil volume recovered during drilling at MW25-03 and MW25-04. Soil field duplicate samples were collected as part of the initial Phase Two ESA.
- At several monitoring wells (MW08-33A, MW19-13A, MW19-13B), depth to water measurements were unable to be obtained due to data loggers and/or obstructions in the well.

3.5 Impediments

There was no denial of access or other impediments during the Phase Two ESA and Supplemental Phase Two ESA. The overall objectives of the investigation and assessment were reviewed and met.

4 Investigation Method

4.1 General

The investigation methodology was completed consistent with guidance provided by the MECP (MOE, 1996) and the requirements O.Reg.153/04.

The following sub-sections provide brief descriptions of the investigation methods, equipment used, sub-contractor information, and details/rationale for departures from standard operating procedures. Detailed investigation methodologies are presented in the SAP in Appendix B.

4.2 Drilling and Excavating

Ohlmann Geotechnical Services (OGS) Inc. was retained to undertake the drilling program in May 2025 at the Phase Two Property. OGS is a licensed well contractor under Regulation 903 of the *Ontario Water Resources Act*. Contact information for OGS is listed below.

Mr. Geoffrey Coombs
OGS Inc.
5518 Appleton Side Road
Almonte, ON, K0A 1A0
Tel: 613-256-7666
Fax: 613-256-0666
ogsinc@bellnet.ca

The borehole drilling undertaken by OGS utilized the following equipment:

- Portable Hilti DD250 drill rig equipped with split spoon sampling equipment.

One additional borehole was advanced at the Phase Two Property in May 2025 for geotechnical investigation purposes and was completed as a monitoring well (MW25-01). This drilling was completed by Forage Downing Drilling (Downing). Downing is a licensed well contractor under Regulation 903 of the *Ontario Water Resources Act*. Contact information for Downing is listed below.

Mr. Stephen Downing
Forage Downing Drilling
3780 County Road 17, P.O. Box 33
Hawkesbury, Ontario, K6A 2R4
Tel: 819-242-6469
info@foragedowningdrilling.com

Potential cross-contamination of samples was reduced by using cleaned drilling and sampling equipment. For the direct push drilling, dual tube samplers with disposable PVC liners, or split spoons, were used for soil sample collection.

Stantec staff was present during the drilling activities at the Phase Two Property.

4.3 Soil: Sampling

Soil samples were collected at regular intervals during the drilling program using dual-tube samplers with disposable PVC liners, or split spoon samplers. Two soil samples were submitted from MW25-03, and one soil sample was submitted from MW25-04. The rest of the boreholes had insufficient soil to sample (primarily composed of large granular material with gravel and cobbles).

4.4 Field Screening Measurements

Field screening of soil samples was conducted using an RKI Eagle 2 gas detector. The Eagle 2 measures combustible vapour concentrations (CVC) and is equipped with a photoionization detector (PID) for measurement of total organic vapour (TOV). Soil sub-samples were collected from the sampler for headspace screening (where sufficient sample quantity was present) and for potential submission to the laboratory. Each sample for field headspace screening was placed into a new, 500 mL sealable freezer bag and stored out of direct sunlight. Bags were one-third to one-half filled with soil to leave sufficient headspace above the sample and then sealed. The hose for the RKI Eagle 2 was then inserted into each bag to collect headspace readings.

The detailed equipment specifications are presented below. Field screening measurements are presented on the borehole logs in Appendix C.

Table 4-1 Detailed Equipment Specifications

Parameter	RKI Eagle 2 PID	RKI Eagle 2 CGI
Detector	10.6eV UV lamp	Combustible gas by catalytic combustion
Chemicals Detected	VOCs	Hydrocarbons
Detection Limits	0 – 50 parts per million by volume (ppmv) 0 – 4000 ppmv	0 – 100% lower explosive limit (LEL) (CH4) 0 – 50,000 ppmv (CH4)
Accuracy	Not specified	±50 ppm or ±10% of reading ±5% of reading or ±2% LEL
Precision	Not specified	Not specified
Calibration Standards	Not specified	50% LEL CH4

Soil samples were collected and submitted wherever possible. Many borehole locations had large granular material and there was gravel or large cobbles/boulders present, therefore, soil samples could not be collected.

4.5 Groundwater: Monitoring Well Installation

4.5.1 Monitoring Well Construction

Monitoring wells were installed by OGS and Downing at five boreholes in May 2025. Monitoring well construction details are presented in Data Table I.

Four groundwater monitoring wells were constructed of 32 mm ID PVC well materials and one monitoring well was constructed of 50 mm ID PVC well materials. Each well was constructed with a slotted PVC well screen to a maximum length of 3.05 m to allow groundwater to enter the well. The PVC screen and piping were flush-threaded and were equipped with O-rings to provide watertight joints. A flush-threaded PVC cap was installed at the bottom of the well screen. Silica sand was placed in the borehole annulus space around each well screen and extended to a minimum of 0.3 m above the well screen. A bentonite seal was then placed to a minimum thickness of 0.6 m above the silica sand to isolate hydraulically the well screen. A j-plug was installed in the top of each well. The wells were finished with flush mount steel well casings. The well protectors were cemented in-place. Additional monitoring well construction details are presented on the borehole logs in Appendix C.

Potential cross-contamination of monitoring wells was reduced by using new plastic-wrapped PVC pipe for each monitoring well, new well material (sand and bentonite), and those handling the well pipe wore new nitrile gloves for each well installation.

4.5.2 Monitoring Well Development

In May 2025, Stantec developed the five newly installed wells. Generally, the wells were purged until a minimum of 10 casing volumes of water were removed from each well, or the well was purged dry three times.

4.6 Groundwater: Field Measurement of Water Quality Parameters

Water quality parameters were measured during the sampling event. Stantec measured pH, specific conductance, conductivity, temperature, dissolved oxygen concentration, and oxidation-reduction potential during the well development/purging activities. Detailed equipment specifications are summarized below.

Table 4-2 Detailed Equipment Specifications

	Parameter		
	pH	**Conductivity**	**Temperature**
Range	0.00 to 14.00	0 to 200 mS	-5 to 45ºC
Resolution	0.01	0.001 mS/cm to 0.1 mS/cm (range dependent)	0.1ºC
Accuracy	±0.2	±0.5% of reading or 0.001 mS/cm whichever is greater	±0.15 ºC
Calibration Standards	pH 4.01, 7.00, & 10.00 solutions	1 mS/cm standard	Not required

Note(s):
mS – millisiemens

4.7 Groundwater: Monitoring

During the groundwater monitoring events conducted in 2025, activities included measuring depth to the water table, headspace CVC/TOV, and the presence/absence of phase-separated liquids in the existing and newly installed monitoring wells. The groundwater monitoring data from 2023 to 2025 are summarized in Data Table I. Survey elevation data of the existing monitoring wells was provided by WSP for ease of comparison to historical results. The newly installed monitoring wells were surveyed by Stantec Geomatics Ltd in June 2025. In addition, several historical monitoring wells (MW19-12A/B, MW19-13A/B, MW14-2) were missing elevation survey data; these monitoring wells were tied into the existing survey.

4.8 Groundwater: Sampling

Previously installed monitoring wells (E3, MW00-4, MW00-6, MW01-10, MW05-4, MW05-4A, MW08-31A, MW08-32A, MW08-33A, MW08-34, MW14-1A, MW14-1B, MW14-2, MW16-01, MW19-12A, MW19-12B, MW19-13A, MW19-13B, BH1) were sampled between June 16 and 18, 2025. Nested monitoring wells MW08-31 A/B/C, MW08-32 A/B/C and MW08-33 A/B/C were all screened in the shallow bedrock groundwater interval. The “A” series for each well was sampled as it was the deepest well in the series. Injections wells (with the “IW” prefix) were not monitored or sampled during the current Phase Two ESA as results from these wells are not considered representative due to the previous injection of abiotic remediation products to these wells.

Based on previously completed reports by others, several other pre-existing monitoring wells were situated on the Site but not found (buried under fill or structures) and assumed to be destroyed.

The newly installed monitoring wells, MW25-01 to MW25-05 were sampled between June 16 and June 18, 2025. One additional monitoring well, MW00-6, was repaired to replace the protective flushmount casing and sampled on July 29, 2025.

Groundwater sampling methods are discussed in Appendix B.

4.9 Soil Vapour: Sampling

Soil vapour sampling was completed at eleven existing soil vapour probes (VP07-1, VP07-3, VP12-1, VP12-2, VP12-3, VP14-1, VP14-2, VP14-3, VP14-04, VP14-7 and VP14-10) across the Site to evaluate the potential for adverse effects to on-site residential receptors. Soil vapour samples were collected on June 17, June 18, and June 26, 2025.

Soil vapour sampling procedures are included in Appendix B.

4.10 Sediment: Sampling

Sediment was not present at the Phase Two Property.

4.11 Analytical Testing

Stantec submitted soil and groundwater samples to Paracel Laboratories Ltd. (Paracel) in Ottawa, Ontario. Soil vapour samples were submitted to BV Labs in Mississauga, Ontario. Paracel and BV meet the accreditation requirements outlined in Section 47 of O.Reg.153/04

The soil and groundwater analytical results from the initial and Supplemental Phase Two ESAs are summarized in Data Table II and Data Table IIIa, respectively. Historical groundwater data reported by others under separate cover is summarized in Data Table IIIb. The soil and groundwater analytical data were compared with the Table 7 SCS and the PSSs derived by the Tier III SSRA. The soil and groundwater maximum concentrations for each analyzed parameter are summarized in Data Table VII and Data Table VIII, respectively.

The current soil vapour analytical results (2023 to 2025) are summarized in Data Table IVa, and historical soil vapour analytical results (prior to 2023) are summarized in Data Table IVb.

The waste classification (TCLP) analyses in soil collected during the initial Phase Two ESA are summarized in Data Table V.

Laboratory certificates of analysis and chain-of-custody forms are included in Appendix D. Included with the laboratory reports are the analytical methods used and the laboratory reportable detection limits (RDLs).

4.12 Residue Management Procedures

Residue management procedures are discussed in the SAP in Appendix B.

4.13 Elevation Surveying

The ground surface and top of pipe elevations of the existing and newly installed monitoring wells were surveyed with a Total Station Trimble s7. Wells that were inaccessible to be surveyed with the Total Station Trimble s7 were surveyed using a Topcon laser level. Elevations were provided in metres (m) relative to datum (RTD), which permitted an assessment of relative groundwater elevations between monitoring wells across the Phase Two Property. A topographic map with contour intervals of 0.5 m was used to provide approximate elevations of the boreholes advanced at the Phase Two Property.

The top of pipe and ground surface elevation data for the accessible newly installed wells is presented in Data Table I. The legal survey is provided in Appendix A.

4.14 Quality Assurance and Quality Control Measures

The overall data quality objective (DQO) for the investigation was to collect data that were precise, accurate, reproducible, complete, and suitable for comparison with the MOE (2011) Table 7 SCS and PSSs. QC sample analytical data is presented in Data Table II, Data Table IIIa, Data Table IIIb, Data Table IVa and Data Table IVb. QA/QC program details are provided in the SAP in Appendix B.

As an evaluation on the laboratory analytical methods and sampling precision, Stantec submitted the following QC samples to Paracel for analysis:

Soil

- A field duplicate soil sample was not submitted for soil due to insufficient soil volume and poor recovery in the boreholes. Note that one blind field duplicate soil sample was submitted for analysis of VOCs, PHCs, metals, and PAHs during the initial Phase Two ESA.

Groundwater

- Two blind field duplicate samples for analysis of VOCs, PHCs, metals, and PAHs over the course of the sampling events.
- Two trip blank samples for analysis of VOCs and PHCs F1 over the course of the sampling events.
- One field blank sample for analysis of VOCs and PHCs F1 over the course of the sampling events.

Soil Vapour

- One blind field duplicate sample for analysis of VOCs, PHC F1 and F2, and aromatic and aliphatic PHC sub-fractions
- One trip blank sample for analysis of VOCs, PHC F1 and F2, and aromatic and aliphatic PHC sub-fractions

Stantec used the Bureau Veritas (BV) Ontario QA/QC Interpretation Guide (BV Canada) to determine acceptable RPDs for parameters in soil and groundwater. This guide is based on the MECP Protocol for Analytical Methods Used in Assessment under Part XV.1 of the Environmental Protection Act, (amended, July 2011). The following values were used as screening criteria for soil and groundwater RPDs:

- PAHs; RPD ≤ 40% for soil, ≤ 30% for groundwater.
- PHCs; RPD ≤ 30% for soil and groundwater.
- VOCs: RPD ≤ 50% for soil, ≤ 30% for groundwater.
- Metals and inorganics; RPD ≤ 30% for soil, ≤ 20% for groundwater.
- Available Boron; RPD ≤ 40% for soil and groundwater.
- Hexavalent Chromium, chloride and cyanide; ≤ 35% for soil, ≤ 20% for groundwater.
- EC; RPD ≤ 10% for soil and groundwater.

Screening-level acceptance criteria for soil vapour of 50% were applied.

In addition to the field QC samples identified above for soil and groundwater, laboratory QC measures included analysis of laboratory replicates, filter blanks, and filter spikes.

5 Review and Evaluation

5.1 Geology

5.1.1 Surficial Geology

The Phase Two Property is located within the Ottawa Valley Clay Plains physiographic region (Chapman & Putnam, 1984). The native surficial soils in the Study Area consist of stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain (OGS, 2000).

The soil profile observed by Stantec during the Supplemental Phase Two ESA was generally consistent with that reported during previous investigations at the Phase Two Property. Based on historical data, the soil profile consisted of up to 1.75 m of silty sand fill or granular fill soil which was underlain by limestone bedrock. The main overburden units encountered in boreholes completed during the Supplemental Phase Two ESA are summarized as follows:

- **Sand and Gravel (Fill):** Sand and gravel fill was encountered at MW 25-1, MW25-3, and MW25-4 to depths between 1.04 m and 1.37 m BGS and was underlain by limestone bedrock.
- **Granular Fill:** coarse granular fill and various layers of concrete were encountered at MW25-2 and MW25-5 (the borehole locations within buildings), to depths between 0.46 and 0.61 m BGS and was underlain by limestone bedrock.

Borehole logs are presented in Appendix C. Cross section profiles of stratigraphy are presented on Figure 7 – Figure 10.

5.1.2 Bedrock Geology

Bedrock geology in the Study Area was mapped as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group and Simcoe Group, Shadow Lake Formation (MNR, 1991). Limestone bedrock was encountered at depths between 0.46 m and 1.37 m BGS during this investigation. Boreholes were drilled to depths of approximately 5 m BGS, with the exception of MW25-1, which was drilled to a depth of approximately 18.5 m BGS for geotechnical purposes.

5.2 Groundwater: Elevations and Flow Direction

As part of the assessment programs, the depth to groundwater, presence/absence of liquid petroleum hydrocarbons (LPH), and well headspace CVC and TOV were monitored in accessible wells at the Phase Two Property from 2023 – 2025.

The following wells were monitored and sampled as part of the Supplemental Phase Two ESA in 2025: E-3, MW00-4, MW00-6, MW01-10, MW05-4, MW05-4A, MW08-31A, MW08-32A, MW08-33A, MW08-34, MW14-1A, MW14-1B, MW14-2, MW16-01, MW19-12A, MW19-12B, MW19-13A, MW19-13B, BH1, MW25-1, MW25-2, MW25-3, MW25-4, and MW25-5.

The following wells could not be located at the Site and were considered to have been destroyed: MW00-3, MW00-5, MW08-35, E-2, E-4, E-5, E-6 and MW03-34.

Injections wells (with the “IW” prefix) were not monitored or sampled during the current Phase Two ESA as results from these wells may be biased low due to the previous injection of abiotic remediation products to these wells.

Groundwater at the Site is within the bedrock unit which has been assessed as three intervals: shallow, intermediate, and deep; however, the groundwater is within the same aquifer and connected by fractures. Based on the depths of well screens the monitoring wells were categorized as follows:

Shallow Bedrock Groundwater Unit: MW00-4, MW00-6, MW01-10, MW05-4, MW08-31A, MW08-32A, MW08-33A, MW08-34, MW14-1B, MW25-2, MW25-3, MW25-4, MW25-5.

Intermediate Bedrock Groundwater Unit: E-3, MW05-4A, MW14-1A, MW14-2, MW19-12B, MW19-13B, MW25-1.

Deep Bedrock Groundwater Unit: MW16-01, BH1, MW19-12A, MW19-13A.

Monitoring data is summarized in Data Table I. The depth to groundwater measured in each bedrock groundwater unit during each monitoring period is summarized below in Table 5-1.

Table 5-1 Summary of Groundwater Depth and Elevations

Monitoring Event	Shallow Bedrock Unit	Intermediate Bedrock Unit	Deep Bedrock Unit
June 2023	1.14 – 6.99 m BGS 55.30 – 60.88 m AMSL	3.33 – 5.50 m BGS 56.55 – 59.21 m AMSL	4.63 – 23.68 m BGS 53.56 – 39.29 m AMSL
September 2024	1.89 – 5.36 m BGS 56.93 – 60.65 m AMSL	4.59 – 7.90 m BGS 54.76 – 57.99 m AMSL	3.70 – 5.00 m BGS 58.04 – 58.97 m AMSL
June 2025	1.78 – 4.43 m BGS 57.55 – 60.62 m AMSL	4.65 – 6.55 m BGS 55.99 – 58.39 m AMSL	3.79 – 22.16 m BGS 58.43 – 40.81 m AMSL

Based on groundwater level measurements from 2025, the groundwater flow direction in the shallow groundwater unit was interpreted to have components of flow to the northeast and southwest and is likely influenced by the presence of utility trenches that are interpreted to exist within a similar depth interval. The groundwater flow direction in the intermediate groundwater unit was interpreted to be to the northeast. The groundwater flow direction in the deep groundwater unit could not be interpreted due to the lack of monitoring data in deep groundwater monitoring wells. Historically, based on the observed deep groundwater elevations from on-site and off-site data, a south to southeast component to the flow direction (toward the geological fault adjacent to the east of the Site) was reported by Golder. Note that the inferred direction of groundwater flow seems to shift based on the season; groundwater monitoring occurred in the fall in 2024, and the direction of groundwater flow was slightly different (northwest in the shallow bedrock unit and southwest in the intermediate bedrock unit). As previously indicated,

groundwater flow within the bedrock is strongly influenced by the presence, size, orientation and connectivity of fractures; and this should be considered as part of the evaluation of flow direction.

Groundwater flow direction is shown on the following figures:

- Figure 3a: Shallow Bedrock Unit 2025
- Figure 3b: Intermediate Bedrock Unit 2025
- Figure 3c: Deep Bedrock Unit 2025

Well headspace CVC and TOV data was collected during groundwater monitoring events between 2023 and 2025 and is summarized in Data Table I. Headspace CVC measurements at monitoring wells ranged from <5 ppm_v (various) to 30% LEL (MW19-13B) and TOV measurements ranged from <0.02 ppm_v (various) to 293 ppm_v (MW19-13B).

During the September 2024 monitoring event, LNAPL was observed for the first time at the Site since the early 2000s. Field observations noted a sheen in the purge water in MW01-10 and MW19-12B. Upon receipt of the groundwater samples in 2024, Paracel Labs reported that a sheen was observed in the sample container of samples MW08-32A and MW14-1B and that LNAPL was observed floating on top of the water in samples MW01-10 and MW19-12B. In 2025, Paracel Labs reported that a sheen was observed in the sample container of samples MW01-10 and MW19-12B.

Dense non-aqueous phase liquids (DNAPL) were not observed on the reported monitoring dates. While it is recognized that elevated concentrations of some contaminants have been measured in groundwater, to date, no free phase DNAPL product has been observed in over 20 years of investigations and regular monitoring at the Site. Considering the alleged historical practice of disposing waste solvents in a dry well in the courtyard at the Site, there is potential for free phase DNAPL; however, encountering free phase DNAPL in a fractured bedrock geological setting can be challenging as the DNAPL follows fracture patterns which may not be intersected by a borehole and monitoring well.

5.3 Groundwater: Hydraulic Gradients

Average horizontal hydraulic gradient (i_h) was calculated at the Phase Two Property using selected isopotential contour lines and the following equation.

$$i_h = \frac{h_2 - h_1}{L}$$

Where: h_x = Groundwater elevation (m) at isopotential contour

L = Horizontal distance (m) between contours

A summary of the calculated horizontal hydraulic gradients is provided below in Table 5-2.

Table 5-2 Summary of Horizontal Hydraulic Gradients

Monitoring Event	Shallow Bedrock Unit	Intermediate Bedrock Unit	Deep Bedrock Unit
June 2023	0.43 m/m northeast	0.16 m/m northeast	0.30 m/m northeast
September 2024	0.45 m/m northwest	0.13 m/m southwest	*
June 2025	0.14 m/m northeast	*	0.097 m/m northeast

*Could not be calculated due to insufficient groundwater elevation data.

Vertical hydraulic gradients were evaluated at two pairs of nested monitoring wells (MW05-4 and MW05-4A, MW19-12A and MW19-12B) using groundwater elevations from June 2025. The vertical hydraulic gradients were as follows:

- MW05-4 and MW05-4A: 0.67 m/m downward
- MW19-12A and MW19-12B: 0.0065 m/m upward

5.4 Groundwater: Hydraulic Conductivity

In-situ hydraulic conductivity testing was completed by Stantec in May 2025 as part of the hydrogeological investigation (Stantec, 2025d). The hydraulic conductivity testing results are presented in Appendix E. The hydraulic conductivity (K) values are as follows:

- MW14-1A: 1 x 10^{-7} m/s to 3 x 10^{-7} m/s
- MW14-1B: 6 x 10^{-6} m/s
- MW19-12B: 2 x 10^{-7} m/s

Each of the wells were screened within the limestone bedrock, and the measured hydraulic conductivities are within the accepted range for limestone and dolomite of 1 x 10^{-5} m/s to 1 x 10^{-9} m/s (Freeze and Cherry, 1979). In addition, the 2025 K values were similar to the previously calculated K values by Golder in May 2005 (5.35 x 10^{-6} m/s to 6.27 x 10^{-7} m/s).

The groundwater velocity of the aquifer is calculated as follows:

$$v = \frac{q}{n} = \frac{K * i_h}{n}$$

Where: v = groundwater velocity
q = Darcy flux
n = porosity
K = hydraulic conductivity
ih = horizontal hydraulic gradient

The horizontal hydraulic gradients at the Phase Two Property are summarized above in Section 5.3. The porosity of the bedrock at the Phase Two Property was estimated based on literature values. Limestone and dolomite have a porosity of approximately 0 – 20%, therefore 10% was used for the calculation (Freeze and Cherry, 1979). The geometric mean hydraulic conductivity of 6.21×10^{-7} m/s was used for the calculation.

The groundwater velocity at the Phase Two Property is summarized in Table 5-3 below.

Table 5-3 Summary of Groundwater Velocities

Bedrock Unit	Groundwater Velocity (m/s)	Groundwater Velocity (m/year)
Shallow	2.10×10^{-6}	66.33
Intermediate	9.01×10^{-7}	28.41
Deep	1.24×10^{-6}	39.23

The calculated groundwater velocity is conservative and likely does not relate directly to the velocity of dissolved compounds as it does not account for dispersion, sorption, or degradation of the potential contaminant.

It should be noted that groundwater contouring with fractured rock environments does not reflect the complexities of the subsurface environment where the connection and orientation of fractures controls the movement of groundwater. As such, the calculated gradient and hydraulic conductivity values should be considered estimates for discussion purposes.

5.5 Soil Texture

As summarized in Section 1.4, soil at the Phase Two Property was considered coarse textured based on field observations, a review of available borehole logs, and analysis of grain size for four collected soil samples as reported in the initial Phase Two ESA. Each of the four analyzed samples had greater than 60 percent by mass of particles that were greater than 75 micrometres in mean diameter. The soil sample location, depths and descriptions are summarized in Table 5-4, below.

Table 5-4 Summary of Grain Size Analysis

Sample ID	Depth (m BGS)	Soil Classification (Field Observation)	Percent Passing 75 µm Sieve (%)	Grain Size Classification
BH23-1	0.3 – 1.2	Silty sand (fill)	37	Coarse
BH23-6	0 – 0.7	Granular A (fill)	22	Coarse
BH23-7	0 – 0.8	Granular A (fill)	27	Coarse
BH23-8	0 – 1.0	Granular A (fill)	28	Coarse

The applicable soil texture at the Site was coarse. The grain size analysis results are presented in the laboratory certificates of analysis in Appendix D and are summarized in Section 4.4 with the soil analytical results.

5.6 Soil: Field Screening

As summarized in Section 4.4, soil field screening for potential impacts was completed using visual and olfactory observation and by measuring headspace CVC and TOV using an RKI Eagle 2 equipped with a PID.

CVC measurements in soil samples collected during the 2025 drilling activities ranged from less than 5 parts per million by volume (ppmv) for multiple samples to 25 ppmv at sample MW25-3. TOV measurements ranged from less than 0.02 ppmv for all samples in this investigation. Soil screening CVC and TOV readings are presented on the borehole logs in Appendix C. Soil sampling locations are shown on Figure 2a.

5.7 Soil Quality

The Supplemental Phase Two ESA soil analytical results are summarized below and presented in Data Table II along with previously collected soil data from the initial Phase Two ESA. Maximum concentrations of chemical parameters in soil are summarized in Data Table VI. Based on the findings of the Phase One ESA, results of the initial Phase Two ESA, and considering historical soil data, the contaminants of concern have been identified in soil at the Site. Multiple investigations have been completed to delineate the soil exceedances at the Site and measure the maximum concentrations; however, not all COCs have been delineated and some may extend off-site. The soil data collected by Stantec is consistent to historical results for VOCs and metals and inorganics. PAHs in soil were not historically assessed prior to 2023; the PAH results in 2025 were similar to those observed in 2023. Based on the results and distribution of the sampling locations, additional efforts to delineate the soil exceedances will not significantly contribute to the Site's conceptual site model, including the interpretation of the distribution and extent of the contaminants of concern. Therefore, a non-standard delineation approach is being applied, and no additional soil sampling is required on the Site.

A summary of analytical results compared to MECP Table 7 SCS for the future residential land use, as well as the soil PSS are shown on Figure 4a to Figure 4d.

Results of soil samples submitted for laboratory analysis in 2025 that exceeded Table 7 RPI SCS and the soil PSS during Phase Two ESA activities are summarized below.

Laboratory certificates of analysis are presented in Appendix D.

Samples Exceeding T7 RPI SCS

- MW25-03 (0.15-0.76 m BGS) – lead, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, phenanthrene, PCE, TCE

- MW25-03 (0.76 – 1.37 m BGS) – boron (available), PCE
- MW25-04 (0.46 – 1.04 m BGS) – lead, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, phenanthrene, PCE,

Samples Exceeding soil PSS

- MW25-03 (0.15-0.76 m BGS) – dibenzo(a,h)anthracene
- MW25-04 (0.46 – 1.04 m BGS) – lead, anthracene

5.7.1 Contaminants of Concern - Soil

COCs in soil at the Phase Two Property were typically identified using the following rationale:

1. If an analyzed parameter was not detected at concentrations greater than the laboratory RDLs in all the soil samples analyzed for that parameter, the parameter was assumed absent from the Phase Two Property.
2. A parameter was considered a COC if it was detected at a concentration greater than the MECP (2011) Table 7 SCS or the soil PSS.
3. A parameter was considered a COC if the RDL for the parameter was greater than the MECP (2011) Table 7 SCS and that parameter was detected in soil in other analyzed samples.
4. Parameters detected at concentrations greater than the laboratory RDLs, for which no MECP (2011) Table 7 SCS was available, were not considered COCs if the parameter was naturally occurring (e.g., metals such as iron and magnesium); otherwise, the parameter was considered a COC.

The following parameters were considered COCs in soil:

- Trichloroethylene (TCE), tetrachloroethylene (PCE)
- PHC F3
- Metals including hydride forming metals
- acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, phenanthrene

The metals package was selected based on the PCAs identified for each APEC and included hydride forming metals. The historical activities in each PCA where metals may have been a contaminant of concern did not identify processes that could lead to hexavalent chromium. There is no evidence of any leather tanning operations at the Site. The Ottawa Shoe Manufacturing Company used leather products, but there is no evidence to suggest it processed leather. To rule out hexavalent chromium as a potential COC associated with PCA 5, it was assessed in the groundwater sample and nearest soil samples as part of the 2025 Supplemental Phase Two ESA.

5.7.2 Area of Soil Impacts

5.7.2.1 PHCs

Analytical results of PHCs from soil samples collected from boreholes during the current investigation did not exceed the Table 7 SCS or the soil PSS.

As summarized on Figure 4a, analytical results of PHCs from soil samples collected from boreholes during the initial Phase Two ESA identified concentrations of PHC F3 exceeding the Table 7 SCS from soil sample BH23-1 collected at a depth of 0.3 to 1.2 m BGS (this sample did not exceed the soil PSS).

Source, Distribution, and Migration of Identified Impacts

The identified PHC impacts noted in soil at the above-mentioned location were likely associated with historical on-Site fuel oil storage in the basement of 223 Armstrong Street (PCA 16, APEC 5b) and/or undocumented historical fuel spills at the Site.

As shown in plan view on Figure 4a, and cross-section on Figure 7a and Figure 8a, the identified PHC impacts to soil were vertically delineated by the presence of limestone bedrock at 1.2 m BGS.

The lateral extent of the PHC F3 impacts have been delineated to the north (BH23-2), to the south (MW25-03), and to the east (MW25-04); however, given the proximity of the boreholes to the property lines, location and construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling locations are considered feasible.

The identified PHC soil impacts exceeding the Table 7 SCS will be addressed through the proposed remedial excavation. PHC soil impacts are below the PSS; therefore, based on the Tier 3 SSRA, no adverse effects are expected for the identified receptors and the relevant exposure pathways.

5.7.2.2 VOCs

Analytical results of VOCs from soil samples collected from boreholes during the current investigation exceeded the Table 7 SCS at MW25-03 collected at a depth of 0.2-0.8 m BGS and 0.8-1.4 m BGS, and from MW25-04 at a depth of 0.5-1.0 m BGS.

As summarized on Figure 4b, analytical results of VOCs from soil samples collected from boreholes advanced during the initial and Supplemental Phase Two ESAs identified Table 7 SCS exceedances for TCE and/or PCE. Analytical results of VOCs from soil samples collected from boreholes during the current investigation did not exceed the soil PSS.

Source, Distribution, and Migration of Identified Impacts

The identified TCE and/or PCE impacts noted in soil across the Phase Two Property were likely associated with historical on-site use, storage and disposal of chlorinated solvents on the Phase Two Property.

As shown in plan view on Figure 4b, and cross-section in Figure 7b and Figure 8b, the identified TCE and PCE impacts to soil were vertically delineated by the presence of limestone bedrock between depths of 0.46 m and 1.5 m BGS.

The lateral extent of the TCE and PCE impacts have not been delineated; however, given the proximity of the existing boreholes and monitoring wells to the property lines and construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling locations are required.

The identified TCE and PCE soil impacts exceeding the Table 7 SCS will be addressed through the proposed remedial excavation. VOC soil impacts are below the PSS; therefore, based on the Tier 3 SSRA, no adverse effects are expected for the identified receptors and the relevant exposure pathways.

5.7.2.3 PAHs

Analytical results of PAHs from soil samples collected from boreholes during the current investigation exceeded the Table 7 SCS at MW25-03 collected at a depth of 0.2-0.8 m BGS and from MW25-04 at a depth of 0.5-1.0 m BGS.

Analytical results of PAHs from soil samples collected from boreholes during the current investigation identified the following soil PSS exceedances:

- Concentrations of dibenzo(a,h)anthracene exceeding the soil PSS from a soil sample collected from MW25-03 at a depth of 0.15-0.76 m BGS.
- Concentrations of anthracene exceeding the soil PSS from a soil sample collected from MW25-04 at a depth of 0.46 – 1.04 m BGS.

As summarized on Figure 4c, analytical results for PAHs of soil samples collected from boreholes advanced during the initial and Supplemental Phase Two ESAs identified Table 7 SCS exceedances for several PAH compounds, including acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, and indeno(1,2,3-cd)pyrene, total methylnaphthalene, and phenanthrene.

Source, Distribution, and Migration of Identified Impacts

The identified PAHs impacts noted in soil at these locations were likely associated with poor quality fill material used to previously grade the ground surface of the Phase Two property.

As shown in plan view on Figure 4c, and cross-section on Figure 7c and Figure 8c, the identified PAH impacts to soil at boreholes BH23-1, BH23-4, BH23-7, BH23-8, MW25-03, and MW25-04 were vertically delineated by the presence of limestone bedrock at depths between 0.7 m and 1.2 m BGS.

The lateral extent of the PAHs impacts has been delineated to the west (BH23-5, BH23-6); however, delineation is incomplete in the other cardinal directions. Given the proximity of the boreholes to the property lines, location and construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling locations are considered feasible.

The identified PAHs soil impacts exceeding the Table 7 SCS and the soil PSS will be addressed through the proposed remedial excavation. PAH soil impacts exceeding the soil PSS will be addressed through an update to the Tier 3 SSRA.

5.7.2.4 Metals

Analytical results of metals from soil samples collected from boreholes during the current investigation exceeded the Table 7 SCS at MW25-03 collected at a depth of 0.2-0.8 m BGS and from MW25-04 at a depth of 0.5-1.0 m BGS. Concentrations of lead exceeded the soil PSS from a soil sample collected from MW25-04 at a depth of 0.5 – 1.0 m BGS.

As summarized on Figure 4d, analytical results for metals of soil samples collected from boreholes during the current investigation identified Table 7 SCS exceedances for lead, cadmium, thallium, and boron (available). In addition, concentrations of lead exceeded the soil PSS.

Source, Distribution, and Migration of Identified Impacts

The identified metal impacts noted in soil at these locations were likely associated with poor quality fill material used to previously grade the ground surface of the Phase Two property.

As shown in plan view on Figure 4d, and in cross-section on Figure 7d and Figure 8d, the identified metal impacts to soil were vertically delineated by the presence of limestone bedrock at depths between 0.7 and 1.2 m BGS.

The lateral extent of the metal impacts has been delineated to the west (BH23-2, BH23-5, BH23-6); however, given the proximity of the boreholes to the property lines, location and construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling locations are required.

The identified metal soil impacts exceeding the Table 7 SCS and soil PSS will be addressed through the proposed remedial excavation. Metals soil impacts exceeding the soil PSS will be addressed through an update to the Tier 3 SSRA.

5.7.2.5 EC/SAR

Analytical results for EC/SAR of soil samples collected from boreholes during the initial Phase Two investigation identified the following Table 7 SCS exceedances for EC/SAR:

- BH23-1 (0.3 – 1.2 m BGS) – electrical conductivity (EC)
- BH23-3 (0.1 – 0.4 m BGS) – EC
- BH23-4 (0.1 – 0.7 m BGS) – EC

Soil samples from the Supplemental Phase Two investigation were not analyzed for EC/SAR.

EC and SAR are not considered COCs at the Phase Two Property. The applicable site condition standards for EC and SAR are not deemed to have been exceeded for the purpose of Part XV.1 of the Environmental Protection Act. Per Section 49.1 of O. Reg. 153/04, EC/SAR impacts are interpreted to be present because of the placement of a substance (salt) on ground surfaces for the purposes of keeping the area safe for vehicular or pedestrian traffic under conditions of snow and/or ice. The Site included paved parking and pathway areas, which would have required de-icing measures for safety.

5.8 Groundwater Quality

The Phase Two ESA groundwater analytical results are summarized below and presented in Data Table IIIa. A summary of maximum groundwater concentrations for each analyzed parameter is presented in Data Table VII. A summary of analytical results compared to MOE (2011) Table 7 SCS (RPI Standards), as well as the groundwater PSS are shown on Figure 5a to Figure 5d.

Results of groundwater samples submitted for laboratory analysis that exceeded Table 7 SCS for All Types of Property Use, as well as the groundwater PSS, during Phase Two ESA activities are summarized below. Note that field duplicate samples are not included in the table below; if the field duplicate exceeded the criteria but the parent sample met the criteria, the parameter was still included in the table as a conservative measure.

Table 5-5 Groundwater Samples Exceeding the Groundwater PSS and/or the Table 7 SCS

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
Shallow	MW00-4	2023	-	cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, VC
	MW00-6	2023	-	cis-1,2-DCE, PCE, TCE, VC
		2024	Not sampled	Not sampled
		2025	-	PHC F1, benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW01-10	2023	-	PHC F2, PHC F3, PHC F4, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene, Naphthalene, Pyrene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
		2024*	-	PHC F1, PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene, Naphthalene, Pyrene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025*	PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene	Benzene, PHC F1, PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Pyrene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW05-4	2023	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW08-31A	2023	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, VC
	MW08-32A	2023	-	Benzene, PHC F2, PHC F3, PHC F4, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024*	-	Benzene, PHC F2, PHC F3, PHC F4, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, TCE, VC
		2025	-	Benzene, PHC F1, PHC F2, PHC F3, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW08-33A	2023	-	cis-1,2-DCE, PCE, TCE
		2024	-	Benzene, Toluene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
		2025	-	Benzene, Toluene, Xylenes, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW08-34	2023	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	cis-1,2-DCE, trans-1,2-DCE, PCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW14-1B	2023	-	PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)pyrene, Benzo(g,h,i)perylene, naphthalene, cis-1,2-DCE, PCE, TCE
		2024*	-	BTEX, PHC F1, PHC F2, PHC F3, PHC F4, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	BTEX, PHC F1, PHC F2, PHC F3, PHC F4, naphthalene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW25-2	2025	-	cis-1,2-DCE, PCE, TCE, VC
	MW25-3	2025	-	Benzene, trans-1,2-DCE, PCE, TCE, VC
	MW25-4	2025	-	cis-1,2-DCE
	MW25-5	2025	-	Benzene, PHC F1, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
Intermediate	MW05-4A	2023	-	cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW14-1A	2023	-	Benzene, Ethylbenzene, Xylenes, PHC F2, PHC F3, PHC F4, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, Ethylbenzene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW14-2	2023*	-	Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene,

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
				Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE
	MW19-12B	2023*	-	Chloride[2], Benzene, Xylenes, PHC F2, PHC F3, PHC F4, Benzo(g,h,i)perylene, Indeno(1,2,3-cd)pyrene, naphthalene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, 1,1,2,2-Tetrachloroethane, PCE, TCE, VC
		2024*	-	Benzene, PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Chrysene, Indeno(1,2,3-cd)pyrene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025*	-	Benzene, PHC F1, PHC F2, PHC F3, PHC F4, Chrysene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW19-13B	2023	-	Benzene, Ethylbenzene, Xylenes, PHC F3, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, Ethylbenzene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, TCE, VC
		2025	-	Benzene, Ethylbenzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW25-1	2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	E3	2023	-	Benzene, Toluene, PHC F2, PHC F3, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, 1,1,2,2-PCE, PCE, TCE, VC
		2024	-	Benzene, Toluene, cis-1,2-DCE, trans-1,2-DCE, 1,2-dichloropropane, VC
		2025	-	cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
Deep	BH1	2025	-	PCE
	MW16-01	2023	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE
		2024	-	Benzene, trans-1,2-DCE, VC
		2025	-	Benzene, trans-1,2-DCE
	MW19-12A	2023	-	Chloride[2], Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW19-13A	2023	-	Benzene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

*Field notes indicate sheen was observed in the sample or purge water, or the laboratory noted sheen, or free product was observed in the sample.

Dichloroethane, 1,1- (1,1-DCA), Dichloroethene, 1,1- (1,1-DCE), Dichloroethene, cis-1,2- (cis-1,2-DCE), Dichloroethene, trans-1,2- (trans-1,2-DCE), 1,1,2,2-Tetrachloroethane, Tetrachloroethene (PCE), Trichloroethene (TCE), Vinyl Chloride (VC), benzene, toluene, ethylbenzene, xylenes (BTEX)

[2]Parameter is not considered a COC at the Phase Two Property.

- Did not exceed criteria

5.8.1 Contaminants of Concern – Groundwater

COCs in groundwater at the Phase Two Property were typically identified using the following rationale:

1. If an analyzed parameter was not detected at concentrations greater than the laboratory RDLs in all the groundwater samples analyzed for that parameter, the parameter was assumed absent from the Phase Two Property.
2. A parameter was considered a COC if it was detected at a concentration greater than the MECP (2011) Table 7 SCS.

3. A parameter was considered a COC if the RDL for the parameter was greater than the MECP (2011) Table 7 SCS and that parameter was detected in groundwater in other analyzed samples unless previous or subsequent samples from that monitoring well or adjacent monitoring wells indicated that the elevated RDL was associated with sample dilution by the laboratory. As noted in Data Table IIIa, the RDL for most VOC parameters and several PHC and BTEX parameters exceeded the Table 7 SCS at MW08-33A and MW14-1B in 2023. Additionally, the RDL for several PAH parameters exceeded the Table 7 SCS at MW14-1B. Parameters with elevated RDLs were not considered COCs.
4. Parameters detected at concentrations greater than the laboratory RDLs, for which no MECP (2011) Table 7 SCS was available, were not considered COCs if the parameter was naturally occurring (e.g., metals such as iron and magnesium); otherwise, the parameter was considered a COC.

In samples recovered from two monitoring wells (MW08-33A and MW14-1B) in 2023, elevated detection limits were required by the laboratory for the majority of analytes due to high concentrations of a few specific COCs. Where a parameter with elevated detection limits had not been detected historically at the Site, or was not detected in other samples across the Site, or had detected concentrations that were not indicative of identification as a COC (i.e., reported at very low concentrations), and the analyte was not otherwise expected to be a COCs at the Site, consideration was taken for the exclusion of such elevated laboratory detection limits. In the case of MW08-33A and MW14-1B in 2023, detection limits were raised by orders of magnitude due to high concentrations reported for specific VOCs. In such instances, the elevated detection limits were considered anomalous and the elevated detection limits were excluded.

The following parameters were considered COCs in groundwater:

- BTEX, PHC F1 to F4
- Anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, fluoranthene, naphthalene, pyrene
- 1,1,2,2-Tetrachloroethane, PCE, TCE, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, VC
- Metals including hydride forming metals

The metals package was selected based on the PCAs identified for each APEC and included hydride forming metals. The historical activities in each PCA where metals may have been a contaminant of concern did not identify other regulated parameters including hexavalent chromium. There is no evidence of any leather tanning operations at the Site. The Ottawa Shoe Manufacturing Company used leather products, but there is no evidence to suggest it processed leather. To rule out hexavalent chromium as a potential COC associated with PCA 5, it was assessed in the groundwater sample and nearest soil samples as part of the 2025 Supplemental Phase Two ESA and results were below the laboratory reportable detection limit.

5.8.2 Area of Groundwater Impacts

5.8.2.1 BTEX/PHCs

As summarized on Figure 5a, analytical results for BTEX and PHCs in groundwater samples collected during the Supplemental Phase Two ESA identified Table 7 SCS exceedances at various locations and groundwater PSS exceedances at MW01-10.

Source, Distribution, and Migration of Identified Impacts

The identified BTEX and PHC impacts noted in groundwater were likely associated with historical on-Site fuel oil storage in the basement of 223 Armstrong Street (PCA 16, APEC 5b) and/or on-site and off-site historical fuel spills.

As shown in plan view on Figure 5a, and in cross-section on Figure 9a and Figure 10a, the identified PHC impacts to groundwater exceeding the Table 7 SCS were not laterally or vertically delineated. PHC impacts to groundwater exceeding the PSS were laterally and vertically delineated. No additional groundwater monitoring well locations were determined to be required due to adequate coverage by the existing well network and recognizing that BTEX and PHC impacts extend off-site to the east and south.

In 2024, surface sheen was observed in the sample container of samples MW08-32A and MW14-1B and that free product was observed in samples MW01-10 and MW19-12B. Note that MW08-32A, MW14-1B, and MW01-10 are shallow-screened, and MW19-12B is intermediate screened. Characterization of the product in MW19-12B in comparison to reference standards suggested there were two mixtures of hydrocarbons including a lighter range distillate such as mineral spirits or paint thinner and a mid to heavy petroleum product such as lube oil.

The Supplemental Phase Two ESA to delineate the extent of LNAPL at the Phase Two Property was carried out in May 2025, involving the installation of four shallow-screened monitoring wells, and one intermediate-screened monitoring well. Field and laboratory observations indicated that surface sheen was observed in MW01-10 and MW19-12B in June 2025. The extents of LNAPL are delineated to the north (MW25-05 and MW05-4), to the south (MW25-03), and to the west (MW25-02). Figure 12 shows the inferred extent of LNAPL in 2025 and considers the plume likely extends off-site to the east beyond MW25-04 as shown by the dashed line. Note that the extents of LNAPL shown on Figure 12 are drawn to the next “clean” (no LNAPL observed) monitoring well.

In fractured bedrock environments, the historical release of petroleum hydrocarbons at the Site can lead to the formation of LNAPL under specific geochemical and hydrogeological conditions. In fractured bedrock, fluid movement is governed by the geometry, connectivity, and aperture of the fractures. LNAPL generally migrates preferentially through open fractures, driven by gravity and capillary forces. If the mass of hydrocarbons in groundwater is sufficient a separate LNAPL phase can form that floats on top of the groundwater within the fracture network.

An indicator of LNAPL is the concentration of dissolved phase PHC F1-F4 approaching or exceeding half the solubility limit of the constituent compounds. This condition suggests that the groundwater may be

nearing saturation with respect to the dissolved phase, and that a separate LNAPL phase is possible. Based on the historical occurrence of LNAPL and elevated concentrations of dissolved phase PHC F1-F4 (historically reported as gas-diesel and heavy oils factions) in the courtyard and 233 Armstong in the early 2000's and the LNAPL observed in 2024 and 2025 along with elevated dissolved phase PHC F1-F4 results at the Site, a LNAPL plume is located in the southern portion of the Site. Results from the Supplemental Phase Two ESA delineated the LNAPL plume to the southern portion of the Site. Dissolved phase concentrations that exceed the half solubility limit of PHC F1-F4 parameters were measured in the southern and central portion of the Site. The extent of the elevated dissolved phase PHC F1-F4 concentrations extends beyond the limits of the LNPAL plume since the limited matrix porosity and high fracture permeability of fractured bedrock environmental can result in rapid transport of dissolved contaminants, while also allowing residual LNAPL to persist in fracture voids.

Half-solubility limits are presented in the risk assessment (Stantec, 2025c). In 2025, the following monitoring wells had groundwater concentrations of PHC F1 and/or PHC F2 exceeding the half-solubility limits: MW01-10, MW08-32A, MW14-1B, MW19-12B, and MW25-05.

It is anticipated that the LNAPL and PHC groundwater impacts exceeding the Table 7 SCS and the groundwater PSS will be addressed through the proposed remedial excavation. PHC groundwater impacts exceeding the groundwater PSS will be addressed through an update to the Tier 3 SSRA.

5.8.2.2 VOCs

As summarized on Figure 5b, analytical results for VOCs of groundwater samples collected during the current investigation identified Table 7 SCS exceedances at various locations. Concentrations of VOCs did not exceed the groundwater PSS.

Source, Distribution, and Migration of Identified Impacts

The identified VOC impacts noted in groundwater at these locations were likely associated with former manufacturing operations on the Phase Two Property.

As shown in plan view on Figure 5b, and cross-section on Figure 9b and Figure 10b, the identified VOC impacts to groundwater were not laterally or vertically delineated; however, maximum VOC concentrations are generally limited to the shallow and intermediate groundwater intervals and are known to extend off-site. As such, given the extensive monitoring well network and identification of maximum concentrations, no additional groundwater monitoring well locations were determined to be required.

The identified VOC groundwater impacts exceeding the Table 7 SCS will be addressed through the proposed remedial excavation. VOC groundwater impacts are below the PSS; therefore, based on the Tier 3 SSRA, no adverse effects are expected for the identified receptors and the relevant exposure pathways.

5.8.2.3 PAHs

As summarized on Figure 5c, analytical results for PAHs of groundwater samples collected during the current investigation identified Table 7 SCS exceedances at various locations, and groundwater PSS exceedances at MW01-10.

Source, Distribution, and Migration of Identified Impacts

The identified PAH impacts noted in groundwater at these locations were likely associated with former on-site and off-site manufacturing operations.

As shown in plan view on Figure 5c, and cross-section on Figure 9c and Figure 10c, the identified PAH impacts to groundwater exceeding the Table 7 SCS were not laterally or vertically delineated. PAH impacts to groundwater exceeding the groundwater PSS were laterally and vertically delineated. The maximum PAH concentrations were measured in a range of groundwater intervals, from shallow to deep; however, no additional groundwater monitoring well locations were determined to be required due to adequate coverage by the existing well network.

The identified PAH groundwater impacts exceeding the Table 7 SCS and groundwater PSS will be addressed through the proposed remedial excavation. PAH groundwater impacts exceeding the groundwater PSS will be addressed through an update to the Tier 3 SSRA.

5.8.2.4 Metals

As summarized on Figure 5d, analytical results for metals including hydride forming metals and other regulated parameters (Cyanide and pH) in groundwater samples collected from monitoring wells during the initial and Supplemental Phase Two ESAs identified no Table 7 SCS exceedances.

5.8.2.5 Chloride

Analytical results for chloride of groundwater samples collected during the initial Phase Two ESA identified concentrations of chloride exceeding the Table 7 SCS for groundwater samples collected at MW19-12A and MW19-12B in 2023.

Chloride is not considered a COC at the Phase Two Property. The applicable site condition standards for chloride are not deemed to have been exceeded for the purpose of Part XV.1 of the Environmental Protection Act. Per Section 49.1 of O. Reg. 153/04, chloride impacts are interpreted to be present because of the placement of a substance (salt) on ground surfaces for the purposes of keeping the area safe for vehicular or pedestrian traffic under conditions of snow and/or ice. The Site included paved parking and pathway areas, which would have required de-icing measures for safety.

5.9 Soil Vapour Quality

The soil vapour sampling program was completed to assess the potential of vapour intrusion to indoor air.

Soil vapour results were compared to soil vapour criteria considered representative of concentrations below which no health risk would be expected for indoor receptors/occupants of the existing commercial buildings due to vapour intrusion. The soil vapour criteria were established by using a generic attenuation factor to adjust the MECP Health-Based Indoor Air Concentrations (HBIAC). The attenuation factor (α) applied (0.004) is considered representative of vapour migration into a generic slab on grade commercial building. The measured concentrations of detected parameters from the soil vapour samples were less than the derived soil vapour criteria with the following exceptions (field duplicate samples are not included below; if the field duplicate exceeded the criteria but the parent sample met the criteria, the parameter was still included in the table as a conservative measure):

- 2023:
  - VP14-3: PCE, TCE
  - VP12-1, VP12-3, VP14-10: TCE
- 2024:
  - VP12-2, VP14-10: PCE, TCE
- 2025:
  - VP14-10: TCE

Summaries of the current and historical soil vapour analytical results are included in Data Table IVa, and Data Table IV, respectively. Soil vapour data from 2023 to 2025 are shown on Figure 6 and, Figure 6b.

Based on a review of the historical soil vapour analytical results between 2010 and 2025, concentrations of PHCs and VOCs in soil vapour have generally trended downward. Indoor air sampling programs were completed at the Site between 2013 and 2015 (when historical maximum soil vapour concentrations were observed,) which indicated concentrations of VOCs, PAHs and PHCs in compliance with occupational exposure limits. Soil vapour analytical concentrations measured in 2025 were generally lower than the soil vapour concentrations measured in 2023 or 2024. In 2025, the area of soil vapour analytical results exceeding guidelines was limited to the central portion of the Site. Additional indoor air sampling was not conducted during the present investigation since concentrations of soil vapour have not exceeded historical maximums, which did not result in identification of vapour intrusion risk to indoor air.

5.10 Sediment Quality

Sediment was not present at the Phase Two Property; therefore, sediment sampling was not required.

5.11 Quality Assurance and Quality Control Results

The objective of the investigation was to collect data that were precise, accurate, reproducible, complete, and suitable for comparison with the MOE (2011) Table 7 SCS and the PSS. DQOs used to assess the precision of the soil, groundwater and soil vapour sample analyses, are listed in Section 4.14.

Soil, groundwater and soil vapour samples collected by Stantec were handled consistent with the requirements of O.Reg. 153/04. A laboratory certificate of analysis was received for each sample submitted for analysis and each parameter for which analysis was requested.

During the Supplemental Phase Two ESA, soil duplicate samples were not collected due to the small volume of soil present in the boreholes and the large amount of cobbles/gravel present in the boreholes. However, soil duplicate samples were collected during the initial Phase Two ESA. There were several elevated RPDs for BH23-2 and its field duplicate QC-02: EC (12%), PHC F3 (91%), PHC F4 (59%), lead (45%). The elevated RPDs are likely a result of sample heterogeneity associated with the fill material observed at sample BH23-2 and are not associated with laboratory precision. Elevated RPDs at sample BH23-2 are associated with low concentrations of analyzed parameters that were well below the Table 7 SCS. The elevated RPDs for duplicate soil samples do not affect the interpretation of the soil analytical data.

In most cases the RPDs could not be calculated for the groundwater duplicate samples because concentrations were below the RDL or were less than five times the RDL. The calculated RPDs for groundwater are presented in Data Table IIIa. The RPDs for measured parameters in groundwater for the parent and duplicate groundwater samples were less than the screening criteria (20% for metals and inorganics, 30% for PHCs and PAHs, 50% for VOCs) with the following exceptions:

- 2025:
  - QC-01 (field duplicate of MW14-1B): Naphthalene (44%), o-xylene (36%)
  - QC-02 (field duplicate of MW08-33A: m&p-xylene (42%)

RPD values exceeding the screening criteria indicates decreased precision due to sample heterogeneity. For MW14-1B/QC-01, the concentration of naphthalene exceeded the Table 7 SCS in the parent sample, but not in the field duplicate; as a conservative measure, the higher concentration is considered representative of groundwater quality at this location. For the remainder of RPD screening criteria exceedances, both the parent sample and field duplicate exceeded the applicable Table 7 SCS (for total xylenes); therefore, the interpretation of results is not affected.

VOC and PHC F1 were not detected at concentrations above the laboratory RDLs in the field blank sample (Data Table IIIa). VOCs and PHC F1 were not detected at concentrations above the laboratory RDLs in the trip blank samples (Data Table IIIa). This suggests that ambient air conditions at the Site during sampling, and conditions during shipment of the sample containers to and from the Site, did not influence groundwater quality of the groundwater samples collected.

Duplicate soil vapour samples were collected from soil vapour probes during each sampling event. Where calculated, the RPDs were less than the screening criteria of 50%, with the following exceptions:

- 2025:
  - QC-01 (field duplicate of VP12-2): aliphatic >C10-C12 (74%)

The elevated RPDs do not affect the interpretation of the soil vapour data, as the concentrations of PHCs in VP12-2 and QC-01 were below the applicable criteria.

Probe integrity testing and leak testing confirmed that samples were not biased through the introduction of ambient air into the soil vapour samples.

Based on the above, it is Stantec's opinion that the results of the QA/QC procedures indicate that the data quality objectives for the soil, groundwater, and soil vapour analyses were met for this work program and the data can be used for its intended purpose.

5.11.1 Laboratory QA/QC Program

In addition to the assessment of field duplicate, field blank, and trip blank samples, the analytical laboratories followed internal QA/QC protocols, which included method blank, matrix spike, spiked blank, QC standard, and laboratory duplicate analyses. Paracel reported the following laboratory QA/QC qualifiers:

2025:

- The detection limits of PAHs for groundwater samples MW14-1B, MW01-10, MW19-12B were elevated due to matrix interference. The adjustment to detection limits of the referenced samples did not impact interpretation of analytical data or associated conclusions as the detection limits were below or well above the associated Table 7 SCS. Concentrations were similar to those observed in previous years. Concentrations exceeding the Table 7 SCS were similar to concentrations observed in 2023 and 2024.
- Some peaks quantified in the TPH (gas)/PHC F1 were found to be non-PHC related – they may be solvents or other volatile compounds. However, some PHC related peaks were observed. Results may be biased high for the following groundwater samples: MW-01-10, MW19-12B, MW25-03, MW25-05, MW14-1B, QC-01.
- Surrogate recoveries for groundwater samples MW19-12A, MW19-12B, and QC-02 were outside the control limits due to sample dilution required from high analyte concentration and/or matrix interference.
- Soil Vapour:
  - In sample VP14-3, ethanol was less than 60% recovery; the continuing calibration standard was acceptable, therefore, there the data is not considered to be affected.
  - The detection limits for the following samples were adjusted due to the sample being pressurized due to high vacuum in the canister: VP07-3, VP14-7, VP14-10.
  - Increased detection limits were required for hexane, 2,2,4-trimethylpentane, propene, and/or 2-butanone due to interference for the following samples: VP12-1, VP12-2, VP12-3, VP14-4, VP07-1, VP07-3, VP14-7, VP14-2, VP14-1, VP14-10, QC-01

It is Stantec's opinion that the results of the laboratories QA/QC procedures indicated that the DQO for the groundwater, and soil vapour data were met, and that the data were of acceptable quality and adequate for their intended use.

5.12 Phase Two Conceptual Site Model

The Phase Two CSM represents a refinement of the Phase One CSM after conducting site characterization activities. No new APECs were identified by the Supplemental Phase Two ESA. The Phase Two CSM has been updated based on the findings of the Supplemental Phase Two ESA and is included below.

The following table is a summary of the environmental conditions at the Phase Two Property.

Table 5-6 Summary of Mandatory CSM Components and Associated Document Reference

Mandatory Phase Two Conceptual Site Model Requirements	Location in Supplemental Phase Two ESA (Section and/or Figure)
1. Provide a narrative description and assessment of,	
i. Areas where potentially contaminating activity has occurred,	Section 2.2.1, 5.12.1, Figure 2b, Figure 2c
ii. Areas of potential environmental concern, and	Section 2.2.1, 5.12.1, Figure 2b, Figure 2c
iii. Any subsurface structure and utilities on, in or under the Phase Two Property that may affect contamination distribution transport.	Section 3.3, 5.12.2
2. Provide a narrative description of and, as appropriate, figures illustrating, the physical setting of the phase two property and any areas under it including,	
i. Stratigraphy from ground surface to the deepest aquifer or aquitard investigated,	Section 3.3, 5.1.1, 5.1.2, 5.12.3, Figures Figure 7a-Figure 7, Figure 8a-Figure 8d, Figure 9a-Figure 9d, Figure 10a-Figure 10d
ii. Hydrogeological characteristics, including aquifers, aquitards, and in each hydro stratigraphic unit where one or more contaminants is present at concentrations above the applicable standards, lateral and vertical gradients,	Section 3.3, 5.2, 5.3, 5.4, 5.12.4, Figures Figure 3a-Figure 3c, Figure 9a-Figure 9d, Figure 10a-Figure 10d
iii. Approximate depth to bedrock,	Section 3.3, 5.1.2, 5.12.3
iv. Approximate depth to water table,	Section 3.3, 5.2, Figures Figure 3a-Figure 3c, Figure 7a-Figure 7d, Figure 8a-Figure 8d, Figure 9a-Figure 9d, Figure 10a-Figure 10d
v. Any respect in which section 35, 41 or 43.1 of the regulation applies to the property,	Section 1.4
vi. Areas on, in or under the Phase Two Property where excess soil is finally placed, and	Not applicable
vii. Approximate locations if known, of any proposed building or other structures.	Entire Phase Two Property

Mandatory Phase Two Conceptual Site Model Requirements	Location in Supplemental Phase Two ESA (Section and/or Figure)
3. Provide, where a contaminant is present on, in or under the phase two property at a concentration greater than the applicable site condition standard, identification of,	
i. Each area where a contaminant is present on, in or under the Phase Two Property at a concentration greater than the applicable site condition standard,	Section 5.7, 5.8, 5.9, 5.12.5, 5.12.6, Figure 4a-Figure 4d, Figure 5a-Figure 5c, Figure 6b, Figure 7a-Figure 7d, Figure 8a-Figure 8d, Figure 9a-Figure 9b, Figure 10a-Figure 10c
ii. The contaminants associated with each of the areas referred to in subparagraph i.	Section 5.7.2, 5.8, 5.12.6
iii. Each medium in which a contaminant associated with an area referred to in subparagraph i is present.	Section 5.7.2, 5.8.2, 5.12.6
iv. A description and assessment of what is known about each of the areas referred to in subparagraph i.	Section 5.7.2, 5.8.2, 5.12.6
v. For each parameter group as defined in the Analytical Protocol for which a contaminant has been analysed, the distribution, in each of the areas referred to in subparagraph i, of each contaminant present in the area at a concentration greater than the applicable site condition standard, for each medium in which the contaminant is present, together with figures showing the distribution,	Section 5.7.2, 5.8.2, 5.12.6, Figure 4a-Figure 4d, Figure 5a-Figure 5c, Figure 6b, Figure 7a-Figure 7d, Figure 8a-Figure 8d, Figure 9a-Figure 9b, Figure 10a-Figure 10c
vi. Anything known about the reason for the discharge into the natural environment of the contaminants present on, in or under the Phase Two Property at a concentration greater than the applicable site condition standard	Section 5.12.4, 5.12.7, 5.12.8
vii. Anything known about the migration away from any area of potential environmental concern of the contaminants present on, in or under the Phase Two Property at a concentration greater than the applicable site condition standard including identification of any preferential pathways,	Section 5.12.4, 5.12.7, 5.12.8
viii. Climatic or meteorological conditions that may have influenced distribution and migration of the contaminants, such as temporal fluctuations in groundwater levels, and	Section 5.12.8.2
ix. If applicable, information concerning soil and vapour intrusion of contaminants into buildings, including, A. Relevant construction features of a building, such as a basement or crawl space, B. Building heating, ventilating and air conditioning design and operation, and C. Subsurface utilities.	Section 5.12.9
4. Provide, where contaminants on, in or under the phase two property are present at concentrations greater than the applicable site condition standard, one or more cross-sections showing, by parameter group as defined in the Analytical Protocol for which a contaminant has been analyzed,	

Mandatory Phase Two Conceptual Site Model Requirements	Location in Supplemental Phase Two ESA (Section and/or Figure)
i. The lateral and vertical distribution in each area where the contaminant is present at concentrations greater than the applicable site condition standard in soil, groundwater and sediment,	Figure 7a-Figure 7d, Figure 8a-Figure 8d, Figure 9a-Figure 9b, Figure 10a-Figure 10c
ii. Approximate depth to water table in each area referred to in subparagraph i,	Figure 7a-Figure 7d, Figure 8a-Figure 8d, Figure 9a-Figure 9b, Figure 10a-Figure 10c
iii. Stratigraphy from ground surface to the deepest aquifer or aquitard investigated, and	Figures Figure 7a-Figure 7d, Figure 8a-Figure 8d, Figure 9a-Figure 9b, Figure 10a-Figure 10c
iv. Any subsurface structures and utilities that may affect contaminant distribution and transport in each area referred to in subparagraph i.	Figures 7a-d, 8a-d, 9a-b, 10a-c
5. Provide, for each area where a contaminant is present on, in or under the property at a concentration greater than the applicable site condition standard for the contaminant, a diagram identifying, with narrative explanatory notes,	
i. The release mechanisms,	Section 5.12.9, Figure 11
ii. Contaminant transport pathway,	Section 5.12.9, Figure 11
iii. The human and ecological receptors located on, in or under the phase two property,	Section 5.12.9, Figure 11
iv. Receptor exposure points, and	Section 5.12.9, Figure 11
v. Routes of exposure	Section 5.12.9, Figure 11
6. If a non-standard delineation was conducted in accordance with section 7.1 of this Schedule as part of preparing the phase two environmental site assessment report, provide a narrative description of how the non-standard delineation satisfies the requirements in that section.	Section 5.13
7. If the exemption set out in paragraph 1, 1.1 or 2 of section 49.1 of the regulation is being relied upon, provide a statement as to the reliance upon the exemption and a narrative description of the rationale for relying upon the exemption, which may be based on information gathered during the site investigation.	Section 5.14
8. If the exemption set out in paragraph 3 of section 49.1 of the regulation is being relied upon, provide,	
i. A statement as to the reliance upon the exemption,	Section 5.14
ii. A narrative description of the rationale for relying upon the exemption, which may be based on information gathered during the site investigation, and	Section 5.14
iii. One or more cross-sections and one or more figures in plan view of the phase two property that demonstrate, through identification of sample locations, sample depths and contaminant concentrations, the distribution of the contaminant	Section 5.14, Figure 7a-Figure 7d, Figure 8a-Figure 8d, Figure 9a-Figure 9d, Figure 10a-Figure 10d

Mandatory Phase Two Conceptual Site Model Requirements	Location in Supplemental Phase Two ESA (Section and/or Figure)
in question laterally and vertically and the range of concentrations of that contaminant on, in or under the phase two property.	
9. If the exemption in subsection 6 (2) of this Schedule is being relied upon, provide a narrative description in accordance with subsections 43 (3) and (4) of this Schedule.	Section 5.14

5.12.1 Site Characteristics

5.12.1.1 Areas of Potential Environmental Concern (APECs)

The Phase One ESA for the Phase Two Property identified on and off-site PCAs with the potential to contribute to APECs on the Phase Two Property. Seventeen APECs were identified at the Phase Two Property. The locations of the PCAs and APECs are shown on Figure 2b. The PCAs and APECs are discussed and summarized in the table below.

Table 5-7 Areas of Potential Environmental Concern

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or off-Site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
1a	Southern portion of Phase One Property	*PCA No. 6* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28) and a fuel related spill	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1b	Southwest portion of Phase One Property	*PCA No. 8* Commercial Autobody Shop (O.Reg. 153/04 PCA 10) and waste generation of various types including fuel related waste	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1c	Southeast portion of Phase One Property	*PCA No. 11* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1d	South portion of Phase One Property	*PCA No. 12* Mill, lumber yard, and dry kiln (O.Reg. 153/04 PCA Undefined)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1e	Southeast portion of Phase One Property	*PCA No. 13* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg.153/04 PCA 28) Fuel related spill	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or off-Site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
2	Northern portion of Phase One Property	*PCA No. 9* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28) and a fuel related spill	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3a	Southwestern portion of Phase One Property	*PCA No. 1* Potential PCE use during leather preparation for shoe fabrication (O.Reg.153/04 PCA Undefined)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3b	West portion of Phase One Property	*PCA No. 14* Metal Fabrication (O.Reg 153/04 PCA 34)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3c	West portion of Phase One Property	*PCA No. 15* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
4a	Northwest portion of Phase One Property	*PCA No. 3* Vehicles and Associated Parts Manufacturing (O.Reg. 153/04 PCA 57) and waste generation of various types including fuel related waste and chlorinated solvents	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil Ground water

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or off-Site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
4b	Northwest portion of Phase One Property	*PCA No. 7* Metal Fabrication (O.Reg. 153/04 PCA 34)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil Ground water
5a	Southeastern portion of Phase One Property	*PCA No. 10* Fuel related spill	Off-Site	• BTEX • PHCs • Metals • PAHs • VOCs	Soil Ground water
5b	Southeastern portion of One Property	*PCA No. 16* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil Ground water
6a	Entire Phase One Property	*PCA No. 2* 2: Confirmed PCE, TCE, DCE, vinyl chloride and hydrocarbon impacts	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil Ground water
6b	Entire Phase One Property	*PCA No. 4* 4: Importation of Fill Material of Unknown Quality (O.Reg. 153/04 PCA 30)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil

APEC	Location of APEC on Phase One Property	PCA	Location of PCA (On-Site or off-Site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground Water, Soil and/or Sediment)
7	Northeast portion of the Site	*PCA No. 5* Poorly managed domestic waste in basement directly overlying eroded building foundation (O.Reg.153/04 PCA Undefined)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil Ground water
8	Central and south-central (exterior) portions of Phase One Property. Off-site sidewalks and roadways	*PCA No. 17* Historical application of de-icing compounds (O.Reg.153/04 PCA Undefined)	On-Site Off-Site	• EC, SAR • Sodium, chloride	Soil Ground water

Notes:

PHCs: petroleum hydrocarbons

BTEX: benzene, toluene, ethylbenzene and xylenes

VOCs: volatile organic compounds

PAHs: polycyclic aromatic hydrocarbons

EC – electrical conductivity

SAR – sodium adsorption ratio

[1] While there was no evidence to indicate manufacturing of automobile parts, there was evidence and information related to the historical manufacturing of navigational equipment for aviation vehicles.

A description of what is known about the potential reason for historical discharge of contaminants into the natural environment at the Phase Two Property is provided below.

A review of historical documents (Golder, 2005) indicated historical storage of liquid hazardous materials including various chlorinated solvent degreasers, in the courtyard area of 3 Hamilton Avenue North. The review also identified the historical operation of a structure resembling a dry well, and the historical operation of a degreasing dip tank under a “lean-to” structure in the courtyard of 3 Hamilton Avenue North. Considering the alleged historical practice of disposing waste solvents in a dry well in the courtyard at the Site, there is potential for free phase DNAPL; however, encountering free phase DNAPL in a fractured bedrock geological setting can be challenging as the DNAPL follows fracture patterns which may not be intersected by a borehole and monitoring well.

Additional information related to on-site PCAs is provided below:

PCA 1 / APEC3a, PCA3 / APEC 4a, PCA2 / APEC 6a: The identified TCE and/or PCE impacts noted in soil across the Phase Two Property were likely associated with historical on-site use, storage and disposal of chlorinated solvents on the Phase Two Property.

PCA 1 / APEC3a, PCA3 / APEC 4a, PCA2 / APEC 6a: The identified VOC impacts noted in groundwater at the Phase Two Property were likely associated with inappropriate disposal of solvents during former manufacturing operations on the Phase Two Property.

PCA 3 / APEC 4a: The LNAPL identified at the Site were likely associated with undocumented historical fuel spills or waste generation of various types and inappropriate disposal practices.

PCA 3 / APEC 4a: The identified PHC impacts noted in soil at BH23-1 on the south-central portion of the Phase Two Property were likely associated with undocumented historical fuel spills at the Site or waste generation of various types and inappropriate disposal practices.

PCA 3 / APEC 4a: The identified PAH impacts noted in groundwater at MW01-10, MW14-1B, MW14-2, MW19-12B were likely associated with presence of LNAPL due to undocumented spills or waste generation of various types and inappropriate waste disposal practices.

PCA 3 / APEC 4a: The identified PHC impacts in groundwater likely represent the dissolved phase of the LNAPL plume and a result of undocumented spills or waste generation of various types and inappropriate disposal practices.

PCA 16 / APEC 5b: Two 500 L fuel oil aboveground storage tanks (ASTs) were formerly located in the basement of the Carleton Tavern (223 Armstrong Street) and were removed in 2019.

PCA 4 / APEC 6b: The identified PAHs and metals impacts noted in soil at the Phase Two Property were likely associated with poor quality fill material used to previously grade the ground surface of the Phase Two property.

PCA 5 / APEC 7: Property maintenance debris (discarded PVC pipe, fluorescent bulbs) and domestic waste were observed in a pile in the basement of the property at 340 Parkdale Avenue. Waste materials

further within the pile could not be safely characterized. The poor housekeeping in this area suggests a potential for adverse impacts to the Site in the area of 340 Parkdale Avenue.

PCA 17 / APEC 8: Central and south-central portions of the Site (outside the building footprints), as well as off-Site sidewalks and roadways, have been used in part for paved parking and pathway areas which may have been impacted by historical application of de-icing compounds for winter safety.

5.12.2 Property Use and Services

The Site was vacant/undeveloped or of residential property use prior to 1920. From 1920 until present day, the Site has been developed for mixed residential/commercial/light industrial uses. Based on aerial photography, the Site underwent its first major development sometime between 1928 and 1958, and the buildings present in 1958 appear to be of similar configuration as present day.

The Site is covered by buildings, asphalt, and vegetated with trees and low shrubs. The proposed future land use is for multi-storey mixed-use (commercial and residential) building with several levels of underground parking.

Utilities present at the Site include, but are not limited to natural gas, water and sanitary sewer services. The presence of buried utilities on and around the Site are expected to influence shallow groundwater flow on the Site as service trenches are cut as far as 3 m into the bedrock in the area of the Site (Golder, 2005).

5.12.3 Stratigraphy, Soil Characteristics, and Soil Management

5.12.3.1 Stratigraphy

The Site is located within the Ottawa Valley Clay Plains physiographic region (Chapman & Putnam, 1984). The native surficial soils in the Study Area consist of stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain (OGS, 2000).

The soil profile observed by Stantec during the Supplemental Phase Two ESA was generally consistent with that reported during previous investigations at the Site. Generally, the soil profile consisted of up to 1.5 m of fill which was underlain by limestone bedrock. The main overburden units encountered in boreholes completed during the Phase Two ESA and Supplemental Phase Two ESA are summarized as follows:

- **Silty Sand (Fill)**: Silty sand fill was encountered at BH23-1, BH23-2 to depths between 0.46 m and 1.5 m BGS and was underlain by limestone bedrock.
- **Sand and gravel (Fill)**: Sand and gravel fill was encountered at BH23-3, BH23-4, BH23-5, BH23-6, BH23-7, BH23-8, MW25-3, and MW25-4 to depths between 0.46 m and 1.04 m BGS and was underlain by limestone bedrock.

- **Granular fill:** coarse granular fill and various layers of concrete were encountered at MW25-2 and MW25-5 (the borehole locations within buildings), to depths between 0.46 and 0.61 m BGS and was underlain by limestone bedrock.

Borehole logs are presented in Appendix C. Cross-section profiles of stratigraphy are presented on Figure 7 – Figure 10.

Based on a review of historical reports (Golder, 2005) it was noted that soil across the Phase Two Property (outside of the building footprints) was excavated down to bedrock and was removed from the Site as part of remediation efforts in December 2000. Fill soil of unknown quality was imported to the Site in 2000 and was placed to backfill the remediation excavation.

The bedrock unit represents a single unit but zones within the bedrock have been grouped as shallow, intermediate, and deep for the purposes of assisting with site characterization.

Bedrock geology in the Study Area was mapped as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group and Simcoe Group, Shadow Lake Formation (MNR, 1991). Limestone bedrock was encountered at depths between 0.46 m and 1.5 m BGS during this investigation.

In-situ hydraulic conductivity testing was completed by Stantec in May 2025 as part of the hydrogeological investigation (Stantec, 2025d). The hydraulic conductivity testing results are presented in Appendix E. The hydraulic conductivity (K) values are as follows:

- MW14-1A: 1 x 10^{-7} m/s to 3 x 10^{-7} m/s
- MW14-1B: 6 x 10^{-6} m/s
- MW19-12B: 2 x 10^{-7} m/s

Each of the wells were screened within the limestone bedrock, and the measured hydraulic conductivities are within the accepted range for limestone and dolomite of 1 x 10^{-5} m/s to 1 x 10^{-9} m/s (Freeze and Cherry, 1979). In addition, the 2025 K values were similar to the previously calculated K values by Golder in May 2005 (5.35 x 10^{-6} m/s to 6.27 x 10^{-7} m/s).

The upper layer of bedrock (i.e., shallow bedrock) has generally been found to be highly fractured and discontinuous as evidenced by low total core recovery (TCR), solid core recovery (SCR), and/or rock quality designation (RQD). Low TCR corresponds to highly fractured bedrock, low SCR corresponds to bedrock with a high number of vertical fractures (0-10° from the core axis), and low RQD corresponds to bedrock with a high number of both horizontal (75-90° from the core axis) and vertical fractures (Paterson, 2010).

In the shallow bedrock (top one to three metres of bedrock), TCR ranged from 41 to 100% in bedrock boreholes completed in 2010 (Paterson, 2010). The TCR recorded during the shallow bedrock drilling in May 2025 fell into the same range. In the deep bedrock (below the top one to three metres of bedrock), bedrock was highly competent with RQD greater than 95%. The deep bedrock drilling data from May 2025 is similar to this older data, with 100% RQD at depths greater than 3.5 m BGS. This indicates a

solid bedrock with minimal fractures. Competent bedrock typically offers reduced pathways for contaminant transport. Based on the Stantec 2025 geotechnical investigation, poor RQD was observed in the upper bedrock, and RQD values increased with depth, being 100% from a depth of 3.4 m to the termination depth of 18.5 m (Stantec, 2025e).

5.12.3.2 Grain Size

Section 42.1 of O.Reg.153/04 identifies specific generic SCS for coarse and medium/fine textured soil. The use of SCS for medium and fine textured soils occurs when “more than 50 per cent by mass of particles are smaller than 75 micrometres (µm) in mean diameter”. The use of SCS for coarse textured occurs when “*at least 1/3 of the soil at the property, measured by volume, consists of coarse textured soil”.*

Four soil samples were submitted for grain size analysis and were representative of the soil conditions on Site. Each of the analyzed soil samples had less than 50 percent by mass of particles that were less than 75 micrometers in mean diameter. The soil at the Phase Two Property (by volume) was considered coarse textured.

5.12.4 Hydrogeologic Characteristics

Groundwater monitoring was completed by Stantec in June 2023, September 2024, and June 2025. The depth to groundwater ranged from:

- Shallow groundwater monitoring wells:
  - 2023: 1.14 m to 6.99 m BGS (MW00-4 and MW08-33A)
  - 2024: 1.89 m to 5.36 m BGS (MW00-4 and MW08-33A)
  - 2025: 1.78 m to 4.43 m BGS (MW00-4 and MW08-31A)
- Intermediate groundwater monitoring wells:
  - 2023: 3.33 to 5.50 m BGS (MW14-2 and MW05-4A)
  - 2024: 4.59 m to 7.90 m BGS (MW14-1A and MW19-13B)
  - 2025: 4.65 m to 6.55 m BGS (MW19-12B and MW14-2)
- Deep groundwater monitoring wells:
  - 2023: 4.63 m to 9.10 m BGS (MW19-12A and MW19-13A)
  - 2024: 3.70 m to 5.00 m BGS (MW16-01 and MW19-12A)
  - 2025: 3.79 m to 22.16 m BGS (MW16-01 and BH1)

The bedrock aquifer is the water-bearing interval comprised of limestone bedrock, which was observed below 1.5 m BGS across the Phase Two Property.

Based on groundwater level measurements from 2023 to 2025, the inferred groundwater flow direction in the shallow groundwater unit was interpreted to have components of flow to the northeast and the southwest and is likely influenced by the presence of utility trenches. Interpreted shallow groundwater

flow from monitoring in 2025 is presented in Figure 3a. Historically groundwater flow directions has been variable (towards the west, north, and east) and is influenced by the presence of utility trenches. In addition, groundwater flow in bedrock is affected by the number, size, and orientation of the fractures present in the bedrock. Groundwater flow directions for intermediate and deep bedrock groundwater units were determined to be northeast. Interpreted intermediate groundwater flow from monitoring in 2025 is presented in Figure 3 and is interpreted to be to the northeast. Based on historical data and groundwater flow trends, the intermediate groundwater unit is generally inferred to be toward the northeast. Interpreted deep groundwater flow from monitoring in 2025 is presented in Figure 3c. The direction of groundwater flow in the deep unit in 2025 could not be interpreted due to the lack of monitoring data in the deep unit. Based on the historical deep groundwater elevations, a south to southeast component to the flow direction (toward the geological fault adjacent to the east of the Site) was previously reported.

LNAPL was observed in four wells in 2024 for the first time since 2003. In addition, LNAPL was observed in two wells in 2025. In fractured bedrock environments, the historical release of petroleum hydrocarbons at the Site can lead to the formation of LNAPL under specific geochemical and hydrogeological conditions. In fractured bedrock, fluid movement is governed by the geometry, connectivity, and aperture of the fractures. LNAPL generally migrates preferentially through open fractures, driven by gravity and capillary forces. If the mass of hydrocarbons in groundwater is sufficient a separate LNAPL phase can form that floats on top of the groundwater within the fracture network.

An indicator of LNAPL is the concentration of dissolved phase PHC Fractions F1-F4 approaching or exceeding half the solubility limit of the constituent compounds. This condition suggests that the groundwater may be nearing saturation with respect to the dissolved phase, and that a separate LNAPL phase is possible. Based on the historical occurrence of LNAPL and elevated concentrations of dissolved phase PHC F1-F4 (historically reported as gas-diesel and heavy oils factions) in the courtyard and 233 Armstong in the early 2000's and the LNAPL observed in 2024 and 2025 along with elevated dissolved phase PHC F1-F4 results at the Site, a LNAPL plume is located in the southern portion of the Site. Results from the Supplemental Phase Two ESA delineated the LNAPL plume to the southern portion of the Site. Dissolved phase concentrations that exceed the half solubility limit of PHC F1-F4 parameters were measured in the southern and central portion of the Site. The extent of the elevated dissolved phase PHC F1-F4 concentrations extends beyond the limits of the LNPAL plume since the limited matrix porosity and high fracture permeability of fractured bedrock environmental can result in rapid transport of dissolved contaminants, while also allowing residual LNAPL to persist in fracture voids. Groundwater concentrations exceeding the half-solubility limits, which indicates the potential for LNAPL formation, was noted in five monitoring wells.

DNAPL was not observed and has not been observed in any monitoring well on the Site. While it is recognized that elevated concentrations of VOC contaminants have been measured in groundwater, to date, no free phase DNAPL product has been observed in over 20 years of investigations and regular monitoring at the Site. Considering the alleged historical practice of disposing waste in a dry well in the courtyard at the Site, there is potential for free phase DNAPL; however, encountering free phase DNAPL in a fractured bedrock geological setting can be challenging as the DNAPL follows fracture patterns which may not be intersected by a borehole and monitoring well. Historical work completed by Golder (Golder, 2005a) indicates the surface of the bedrock and main water bearing fractures slope approximately 2-3%

towards the southwest. If DNAPL is present, it would generally migrate to the southwest, against the groundwater flow direction measured in shallow bedrock.

In-situ hydraulic conductivity testing was completed by Stantec in May 2025 as part of the hydrogeological investigation (Stantec, 2025d). The hydraulic conductivity testing results are presented in Appendix E. The hydraulic conductivity (K) values are as follows:

- MW14-1A: 1 x 10^{-7} m/s to 3 x 10^{-7} m/s
- MW14-1B: 6 x 10^{-6} m/s
- MW19-12B: 2 x 10^{-7} m/s

Each of the wells were screened within the limestone bedrock, and the measured hydraulic conductivities are within the accepted range for limestone and dolomite of 1 x 10^{-5} m/s to 1 x 10^{-9} m/s (Freeze and Cherry, 1979). In addition, the 2025 K values were similar to the previously calculated K values by Golder in May 2005 (5.35 x 10^{-6} m/s to 6.27 x 10^{-7} m/s).

The horizontal hydraulic gradients (m/m) and groundwater velocities (m/year) are summarized in the table below. The porosity of the bedrock at the Phase Two Property was estimated based on literature values. Limestone and dolomite have a porosity of approximately 0 – 20%, therefore 10% was used for the calculation (Freeze and Cherry, 1979).

Table 5-8 Horizontal hydraulic gradients and groundwater velocities

Monitoring Event	Shallow Bedrock Unit	Intermediate Bedrock Unit	Deep Bedrock Unit
June 2023	0.43 m/m northeast	0.16 m/m northeast	0.30 m/m northeast
September 2024	0.45 m/m northwest	0.13 m/m southwest	*
June 2025	0.14 m/m northeast	*	0.097 m/m northeast
Groundwater velocity (m/year)	66.33	28.41	39.23

*Could not be calculated due to insufficient groundwater elevation data.

Vertical hydraulic gradients were evaluated at two pairs of nested monitoring wells (MW05-4 and MW05-4A, MW19-12A and MW19-12B) using groundwater elevations from June 2025. The vertical hydraulic gradients were as follows:

- MW05-4 and MW05-4A: 0.67 m/m downward
- MW19-12A and MW19-12B: 0.0065 m/m upward

Groundwater monitoring and sampling was completed between June 26 and June 30, 2023, September 25 and 27, 2024, and June 16 and 17, 2025. A regular groundwater monitoring program has been in place for the site since 2007 (undertaken by previous owners). While seasonal groundwater fluctuations have expectedly been observed, there has been no evidence from the data at the Site to suggest that mechanisms other than advective transport have influenced the distribution and migration of

contaminants characterized during the regular monitoring and sampling events. In addition, groundwater flow in bedrock is affected by the number, size, and orientation of the fractures present in the bedrock.

5.12.5 Soil and Groundwater Characterization

The Phase Two Property is not considered a sensitive site as defined by O.Reg.153/04 s.41. In addition, the Phase Two Property does not contain and is not within 30 m of a watercourse. The Phase Two Property is classified as a shallow soil property.

Geologic and hydrogeologic parameters that influence the derivation of component values for the Ministry of the Environment, Conservation and Parks (MECP) 2011 O.Reg.153/04 generic SCS were compared between the site-specific data and the generic values used in the derivation of the SCS.

The majority of site-specific parameters were similar or more conservative than the default values applied in establishing the generic SCS, and therefore the generic SCS are considered appropriate for the Site. The MECP identifies that deviations from the generic assumptions do "*not necessarily indicate that the generic criteria are not valid for a given site.*" (MOE, 2011) and that "*There are many interrelated parameters and factors that were used in the development of the generic standards, and in many cases one factor can be outweighed by differences in other factors in a manner that, overall, there is sufficient natural protection provided by the site. In addition, it must also be considered that the component that drives the standard may not be affected by the particular limiting condition…*" (MOE, 2011); therefore, it is the opinion of the QP_{ESA} that the identification of the Table 7 generic SCS for coarse textured soils are appropriate for use at the Site.

Soil and groundwater characterization were completed consistent with the requirements of O.Reg.153/04. A Tier 3 SSRA was completed for the Site in early 2025 and soil and groundwater PSS were developed; the analytical data has been compared to the PSS, and findings are discussed below. Note that the Tier 3 SSRA will be updated to include the 2025 soil, groundwater, and soil vapour data.

5.12.5.1 Soil Characterization – Phase Two ESA

A summary of Phase Two ESA analytical soil results compared to the O.Reg. 153/04 Table 7 SCS for Residential/Parkland/Institutional property use in a non-potable groundwater condition are shown on Figure 4a to Figure 4d and cross-sectional Figure 7a-Figure 7d and Figure 8a-Figure 8d. Soil analytical data are shown with horizonal hatching or white outline at borehole locations that met (hatching) or exceeded (black outline) the Table 7 SCS.

Results of soil samples submitted for laboratory analysis that exceeded Table 7 Residential/Parkland/Institutional SCS and the soil PSS during this Phase Two ESAs are summarized below.

Samples Exceeding T7 Residential/Parkland/Institutional SCS

- BH23-1 (0.3 – 1.2 m BGS) – electrical conductivity (EC)*, PHC F3, lead, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene,

dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, tetrachloroethylene (PCE), trichloroethylene (TCE)

- BH23-2 and field duplicate QC-02 (0.3 – 1.5 m BGS) - PCE, TCE
- BH23-3 (0.1 – 0.4 m BGS) – EC*, PCE
- BH23-4 (0.1 – 0.7 m BGS) – EC*, lead, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, PCE, TCE
- BH23-5 (0.1 – 1.0 m BGS) – PCE
- BH23-6 (0.1 – 0.7 m BGS) – PCE
- BH23-7 (0.1 – 0.8 m BGS) – cadmium, thallium, fluoranthene
- BH23-8 (0.1 – 1.0 m BGS) - benzo(a)anthracene, benzo(a)pyrene, fluoranthene, PCE, TCE
- MW25-03 (0.15-0.76 m BGS) – lead, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, phenanthrene, PCE, TCE
- MW25-03 (0.76 – 1.37 m BGS) – boron (available), PCE
- MW25-04 (0.46 – 1.04 m BGS) – lead, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, phenanthrene, PCE

Samples Exceeding soil PSS

- MW25-03 (0.15-0.76 m BGS) – dibenzo(a,h)anthracene
- MW25-04 (0.46 – 1.04 m BGS) – lead, anthracene

* indicates parameter is not a COC.

The following parameters that exceeded the Table 7 SCS were considered COCs in soil:

- TCE, PCE
- PHC F3
- Lead, boron (available) cadmium, thallium
- acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, methylnaphthalene, phenanthrene

As presented in Section 1.4.6, the applicable site condition standards for EC and SAR are not deemed to have been exceeded for the purpose of Part XV.1 of the Environmental Protection Act. Per Section 49.1 of O. Reg. 153/04, EC impacts are present because of the placement of a substance (salt) on ground surfaces for the purpose of keeping the area safe for vehicular or pedestrian traffic under conditions of snow and/or ice. The Site included paved parking and pathway areas, which would have required de-icing measures for safety.

5.12.5.1.1 Area of Soil Impacts – BTEX/PHCs

As summarized on Figure 4a, analytical results of PHCs from soil samples collected from boreholes during the Phase Two ESA and Supplemental Phase Two ESA identified the following Table 7 SCS exceedances:

- Concentrations of PHC F3 exceeding the Table 7 SCS from soil sample BH23-1 collected at a depth of 0.3 to 1.2 m BGS

Source, Distribution, and Migration of Identified Impacts

The identified PHC impacts noted in soil at the above-mentioned location were likely associated with undocumented historical fuel spills at the Site or waste generation of various types and inappropriate disposal practices.

As shown in plan view on Figure 4a, and cross-section on Figure 7a and Figure 8a, the identified PHC impacts to soil were vertically delineated by the presence of limestone bedrock at 1.2 m BGS.

The lateral extent of the PHC F3 impacts have been delineated to the north (BH23-2), to the south (MW25-03), and to the east (MW25-04); however, given the proximity of the boreholes to the property lines, location and construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling locations are required. PHC concentrations did not exceed the soil PSS.

5.12.5.1.2 Area of Soil Impacts – VOCs

As summarized on Figure 4b, analytical results of VOCs from soil samples collected from the boreholes advanced as part of the Phase Two ESA and Supplemental Phase Two ESA identified Table 7 SCS exceedances for TCE and PCE.

Source, Distribution, and Migration of Identified Impacts

The identified TCE and/or PCE impacts noted in soil across the Phase Two Property were likely associated with historical on-site use, storage and disposal of chlorinated solvents on the Phase Two Property.

As shown in plan view on Figure 4b, and cross-section in Figure 7b and Figure 8b, the identified PCE and TCE impacts to soil were vertically delineated by the presence of limestone bedrock between depths of 0.46 m and 1.5 m BGS.

The lateral extent of the TCE and PCE impacts to the Table 7 SCS have not been delineated; however, given construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling locations are required to the west of existing locations and no soil samples were collected to the north when MW25-02 was completed. The VOC soil exceedances are within one order of magnitude of the Table 7 SCS and maximum concentrations of PCE and TCE were measured at BH23-2, located in the parking alley. Concentrations decrease from BH23-2 towards the east, north, and west property limits. Concentrations are similar south of BH23-2 at MW25-03, in close proximity to the southern property limit.

As such, an additional borehole/monitoring well to delineate VOC impacts in soil on-site will not materially advance our understand of the Site's CSM. VOC concentrations did not exceed the soil PSS.

5.12.5.1.3 Area of Soil Impacts – PAHs

As summarized on Figure 4c, analytical results for PAHs of soil samples collected from boreholes advanced during the initial Phase Two ESA and Supplemental Phase Two ESA identified the following Table 7 SCS exceedances:

- Concentrations of acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, and indeno(1,2,3-cd)pyrene exceeding the Table 7 SCS from a soil sample collected at BH23-1 at a depth of 0.3 m to 1.2 m BGS,
- Concentrations of anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, and phenanthrene exceeding the Table 7 SCS from a soil sample collected at BH23-4 at a depth of 0.1 m to 0.7 m BGS,
- Concentration of fluoranthene exceeding the Table 7 SCS from a soil sample collected at BH23-7 at a depth of 0.1 m to 0.8 m BGS.
- Concentrations of benzo(a)anthracene, benzo(a)pyrene, and fluoranthene exceeding the Table 7 SCS from a soil sample collected at BH23-8 at a depth of 0.1 m to 1.0 m BGS.
- Concentrations of anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, phenanthrene exceeding the Table 7 SCS from a soil sample collected from MW25-3 at a depth of 0.15 – 0.76 m BGS.
- Concentrations of anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, phenanthrene exceeding the Table 7 SCS from a soil sample collected from MW25-4 at a depth of 0.46 – 1.04 m BGS.

Analytical results of PAHs from soil samples collected from boreholes at the Phase Two Property identified the following soil PSS exceedances:

- Concentrations of dibenzo(a,h)anthracene exceeding the soil PSS from a soil sample collected from MW25-03 at a depth of 0.15-0.76 m BGS.
- Concentrations of anthracene exceeding the soil PSS from a soil sample collected from MW25-04 at a depth of 0.46 – 1.04 m BGS.

Source, Distribution, and Migration of Identified Impacts

The identified PAHs impacts noted in soil at these locations were likely associated with poor quality fill material used to previously grade the ground surface of the Phase Two property.

As shown in plan view on Figure 4c, and cross-section on Figure 7c and Figure 8c, the identified PAH impacts to soil at boreholes BH23-1, BH23-4, BH23-7, BH23-8, MW25-03 and MW25-04 were vertically delineated by the presence of limestone bedrock at depths between 0.7 m and 1.2 m BGS.

The lateral extent of the PAHs impacts to Table 7 SCS has been delineated to the west (BH23-5 and BH23-6); however, given the location and construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling was possible in MW25-02 to the north. To the south, PAHs impacts are identified at MW25-03, which is in close proximity to the southern property limit. As such, an additional borehole/monitoring well to delineate PAH impacts in soil on-site will not materially advance our understanding of the Site's CSM. Concentrations of PAHs exceeded the soil PSS and are delineated vertically (by the presence of bedrock); concentrations of PAHs exceeding the soil PSS are not delineated to the south of MW25-03 (adjacent to the property boundary) or the south or east of MW25-04 (buildings present).

5.12.5.1.4 Area of Soil Impacts – Metals

As summarized on Figure 4d, analytical results for metals of soil samples collected from boreholes at the Phase Two Property identified the following Table 7 SCS exceedances:

- Concentrations of lead exceeding the Table 7 SCS from soil samples collected at BH23-1 at depths of 0.3 m to 1.2 m BGS and at BH23-4 at depths of 0.1 m to 0.7 m BGS.
- Concentrations of cadmium and thallium exceeding the Table 7 SCS from a soil sample collected at BH23-7 at a depth of 0.1 m to 0.8 m BGS.
- Concentrations of boron (available) exceeding the Table 7 SCS from a soil sample collected at MW25-3 at a depth of 0.76 – 1.37 m BGS.

Analytical results of metals from soil samples collected from boreholes at the Phase Two Property identified the following soil PSS exceedances:

- Concentrations of lead exceeding the soil PSS from a soil sample collected from MW25-04 at a depth of 0.46 – 1.04 m BGS.

Source, Distribution, and Migration of Identified Impacts

The identified metal impacts noted in soil at these locations were likely associated with poor quality fill material used to previously grade the ground surface of the Phase Two property.

As shown in plan view on Figure 4d, and in cross-section on Figure 7d and Figure 8d, the identified metal impacts to soil were vertically delineated by the presence of limestone bedrock at depths between 0.7 and 1.2 m BGS.

The lateral extent of the metal impacts to Table 7 SCS has been delineated to the west (BH23-2, BH23-5, BH23-6); however, given the location and construction of buildings on bedrock/thin layer of granular bedding, no additional soil samples were collected when MW25-02 was drilled to the north. Additional borehole/monitoring well to delineate metals impacts in soil will not materially advance our understanding

of the Site's CSM. Concentrations of metals exceeded the soil PSS and are delineated vertically (by the presence of bedrock); concentrations of metals exceeding the soil PSS are not delineated to the south or east of MW25-04 (buildings present).

5.12.5.1.5 Area of Soil Impacts – EC/SAR

Analytical results for EC/SAR of soil samples collected from boreholes during the Phase Two ESA identified the following Table 7 SCS exceedances for EC/SAR:

- BH23-1 (0.3 – 1.2 m BGS) – EC
- BH23-3 (0.1 – 0.4 m BGS) – EC
- BH23-4 (0.1 – 0.7 m BGS) – EC

EC and SAR are not considered COCs at the Phase Two Property. The applicable site condition standards for EC and SAR are not deemed to have been exceeded for the purpose of Part XV.1 of the Environmental Protection Act. Per Section 49.1 of O. Reg. 153/04, EC/SAR impacts are interpreted to be present because of the placement of a substance (salt) on ground surfaces for the purpose of keeping the area safe for vehicular or pedestrian traffic under conditions of snow and/or ice. The Site included paved parking and pathway areas, which would have required de-icing measures for safety.

5.12.5.2 Groundwater Characterization – Phase Two ESA

The 2023 – 2025 groundwater analytical results are summarized below and presented in Data Table IIIa, along with historical groundwater results in Data Table IIIb. A summary of analytical results compared to MOE (2011) Table 7 SCS Residential/Parkland/Institutional Standards and the groundwater PSS are shown on Figure 5a to Figure 5d.

Results of groundwater samples submitted for laboratory analysis that exceeded Table 7 Residential/ Parkland/Institutional SCS and the groundwater PSS during Phase Two ESA activities are summarized below.

Table 5-9 Groundwater Samples Exceeding the Table 7 SCS and/or the Groundwater PSS

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
Shallow	MW00-4	2023	-	cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, VC
	MW00-6	2023	-	cis-1,2-DCE, PCE, TCE, VC
		2024	Not sampled	Not sampled
		2025	-	PHC F1, benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW01-10	2023	-	PHC F2, PHC F3, PHC F4, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene, Naphthalene, Pyrene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024*	-	PHC F1, PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene, Naphthalene, Pyrene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025*	PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene	Benzene, PHC F1, PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Pyrene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW05-4	2023	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW08-31A	2023	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, VC
	MW08-32A	2023	-	Benzene, PHC F2, PHC F3, PHC F4, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024*	-	Benzene, PHC F2, PHC F3, PHC F4, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, TCE, VC
		2025	-	Benzene, PHC F1, PHC F2, PHC F3, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW08-33A	2023	-	cis-1,2-DCE, PCE, TCE
		2024	-	Benzene, Toluene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, Toluene, Xylenes, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW08-34	2023	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	cis-1,2-DCE, trans-1,2-DCE, PCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW14-1B	2023	-	PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)pyrene, Benzo(g,h,i)perylene, naphthalene, cis-1,2-DCE, PCE, TCE
		2024*	-	BTEX, PHC F1, PHC F2, PHC F3, PHC F4, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	BTEX, PHC F1, PHC F2, PHC F3, PHC F4, naphthalene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW25-2	2025	-	cis-1,2-DCE, PCE, TCE, VC
	MW25-3	2025	-	Benzene, trans-1,2-DCE, PCE, TCE, VC
	MW25-4	2025	-	cis-1,2-DCE
	MW25-5	2025	-	Benzene, PHC F1, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
Intermediate	MW05-4A	2023	-	cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
		2024	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW14-1A	2023	-	Benzene, Ethylbenzene, Xylenes, PHC F2, PHC F3, PHC F4, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, Ethylbenzene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW14-2	2023*	-	Benzene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Indeno(1,2,3-cd)pyrene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE
	MW19-12B	2023*	-	Chloride[2], Benzene, Xylenes, PHC F2, PHC F3, PHC F4, Benzo(g,h,i)perylene, Indeno(1,2,3-cd)pyrene, naphthalene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, 1,1,2,2-Tetrachloroethane, PCE, TCE, VC
		2024*	-	Benzene, PHC F2, PHC F3, PHC F4, Anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Chrysene, Indeno(1,2,3-cd)pyrene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025*	-	Benzene, PHC F1, PHC F2, PHC F3, PHC F4, Chrysene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW19-13B	2023	-	Benzene, Ethylbenzene, Xylenes, PHC F3, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, Ethylbenzene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, TCE, VC
		2025	-	Benzene, Ethylbenzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW25-1	2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	E3	2023	-	Benzene, Toluene, PHC F2, PHC F3, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, 1,1,2,2-PCE, PCE, TCE, VC

Groundwater Unit	Monitoring Well ID	Year of Exceedance	Parameters Exceeding Groundwater PSS	Parameters Exceeding Table 7 SCS
		2024	-	Benzene, Toluene, cis-1,2-DCE, trans-1,2-DCE, 1,2-dichloropropane, VC
		2025	-	cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
Deep	BH1	2025	-	PCE
	MW16-01	2023	-	Benzene, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE
		2024	-	Benzene, trans-1,2-DCE, VC
		2025	-	Benzene, trans-1,2-DCE
	MW19-12A	2023	-	Chloride[2], Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
	MW19-13A	2023	-	Benzene, Xylenes, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
		2024	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, TCE, VC
		2025	-	Benzene, 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

*Field notes indicate sheen or globules were observed in the sample or purge water, or the laboratory noted sheen or free product was observed in the sample.

Dichloroethane, 1,1- (1,1-DCA), Dichloroethene, 1,1- (1,1-DCE), Dichloroethene, cis-1,2- (cis-1,2-DCE), Dichloroethene, trans-1,2- (trans-1,2-DCE), 1,1,2,2-Tetrachloroethane, Tetrachloroethene (PCE), Trichloroethene (TCE), Vinyl Chloride (VC), benzene, toluene, ethylbenzene, xylenes (BTEX)

[2]Parameter is not considered a COC at the Phase Two Property.

- Did not exceed criteria

The metals package was selected based on the PCAs identified for each APEC. The historical activities in each PCA where metals may have been a contaminant of concern did not identify processes that could lead to other regulated parameters including hexavalent chromium. There is no evidence of any leather tanning operations at the Site. The Ottawa Shoe Manufacturing Company used leather products, but there is no evidence to suggest it processed leather. To rule out hexavalent chromium as a potential COC associated with PCA 5, it was assessed in the groundwater sample and nearest soil samples as part of the 2025 Supplemental Phase Two ESA and results were non-detect.

Sodium and chloride are not considered COCs at the Phase Two Property. The applicable site condition standards for sodium and chloride are not deemed to have been exceeded for the purpose of Part XV.1 of the Environmental Protection Act. Per Section 49.1 of O. Reg. 153/04, sodium and chloride impacts are interpreted to be present because of the placement of a substance (salt) on ground surfaces for the purposes of keeping the area safe for vehicular or pedestrian traffic under conditions of snow and/or ice. The Site included paved parking and pathway areas, which would have required de-icing measures for safety.

5.12.5.2.1 Area of Groundwater Impacts – BTEX/PHCs

As summarized on Figure 5a, analytical results for BTEX and PHCs in groundwater samples collected during the initial Phase Two ESA and Supplemental Phase Two ESA identified Table 7 SCS exceedances at various locations and groundwater PSS exceedances at MW01-10 (in 2025). Figure 12 shows the inferred extent of LNAPL in 2025.

Source, Distribution, and Migration of Identified Impacts

The identified BTEX and PHC impacts in groundwater were likely associated with undocumented historical fuel spills at the Site or waste generation of various types and inappropriate disposal practices.

Site monitoring and assessment after the Pre-Submission Form (PSF) submission identified the presence of LNAPL on the south-central portion of the Site.

During the September 2024 monitoring event, LNAPL was observed for the first time at the Site (Stantec 2025) since the early 2000s when it was measured on the south portion of the Site. Field observations noted a sheen in the purge water in MW01-10 and MW19-12B. Upon receipt of the groundwater samples, Paracel Labs reported that a sheen was observed in the sample container of samples MW08-32A and MW14-1B and that LNAPL was observed floating on top of the water in samples MW01-10 and MW19-12B.

Additional investigation to delineate the extent of LNAPL at the Phase Two Property was carried out in May 2025, involving the installation of four shallow-screened monitoring wells. Field and laboratory observations indicated that surface sheen was observed in MW01-10 and MW19-12B in June 2025. As presented in Figure 12, the extents of observed LNAPL are delineated to the north (MW25-05 and MW05-4), to the south (MW25-03), and to the west (MW25-02). Based on information reported by others, LNAPL was observed in the municipal right-of-way east of the site, and the LNAPL plume likely extends east of MW25-04.

In fractured bedrock environments, the historical release of petroleum hydrocarbons at the Site can lead to the formation of LNAPL under specific geochemical and hydrogeological conditions. In fractured bedrock, fluid movement is governed by the geometry, connectivity, and aperture of the fractures. LNAPL generally migrates preferentially through open fractures, driven by gravity and capillary forces. If the mass of hydrocarbons in groundwater is sufficient a separate LNAPL phase can form that floats on top of the groundwater within the fracture network.

An indicator of LNAPL is the concentration of dissolved phase PHC Fractions F1-F4 approaching or exceeding half the solubility limit of the constituent compounds. Dissolved phase concentrations that exceed the half solubility limit of PHC F1-F4 parameters were measured in the southern and central portion of the Site. The extent of the elevated dissolved phase PHC F1-F4 concentrations extends beyond the limits of the LNPAL plume since the limited matrix porosity and high fracture permeability of fractured bedrock environmental can result in rapid transport of dissolved contaminants, while also allowing residual LNAPL to persist in fracture voids. In 2025, the following monitoring wells had groundwater concentrations of PHC F1 and/or PHC F2 exceeding the half-solubility limits: MW01-10, MW08-32A, MW14-1B, MW19-12B, and MW25-05.

The excavation required for redevelopment of the Site is expected to remove soil overburden and bedrock to a depth of 12 m BGS across the entire Site. As part of site redevelopment activities, a program of collecting groundwater for treatment and disposal is anticipated to address areas with LNAPL. The SCS were not developed with the consideration of LNAPL; however, with the planned remediation/removal of overburden and bedrock at the Site it is not expected that LNAPL will remain at the Site post-development. PHC concentrations exceeding the groundwater PSS will be addressed through an update to the Tier 3 SSRA.

As shown in plan view on Figure 5a, and in cross-section on Figure 9a and Figure 10a, the identified PHC/BTEX impacts to the Table 7 SCS in groundwater were not laterally delineated to the north, east, west or south or vertically delineated. The maximum PHC concentrations in groundwater were measured on the central portion of the Site at MW01-10 (PHC F1 to F4) in the shallow groundwater interval. The maximum BTEX concentrations were measured at MW08-33A (benzene, toluene) and MW14-1B (ethylbenzene, xylenes) each on the central portion of the Site in the shallow bedrock groundwater interval.

Concentrations of BTEX and PHC F1-F4 decrease with depth, up to three orders of magnitude, and as such, additional efforts for vertical delineation would not further advance an understanding of the Site's CSM. PHC impacts in groundwater exceeding the groundwater PSS are delineated vertically and laterally.

5.12.5.2.2 Area of Groundwater Impacts – VOCs

As summarized on Figure 5b, analytical results for VOCs of groundwater samples collected during the initial Phase Two ESA and Supplemental Phase Two ESA identified Table 7 SCS exceedances at various locations. VOC concentrations in groundwater did not exceed the groundwater PSS.

Source, Distribution, and Migration of Identified Impacts

The identified VOC impacts noted in groundwater at these locations were likely associated with former manufacturing operations on the Phase Two Property.

As shown in plan view on Figure 5b, and cross-section on Figure 9b and Figure 10b, the identified VOC impacts to Table 7 SCS in groundwater were not laterally or vertically delineated and are known to extend off-site. Maximum VOC concentrations are generally limited to the shallow and intermediate groundwater intervals. The VOC concentrations decrease significantly with depth, by up to 4 orders of magnitude for some parameters from the shallow to deep groundwater intervals, with one exception, MW19-12A/B. Golder had injected ZVI near to MW19-12A/B and had previously reported in 2020 that reductive dechlorination was occurring in the deeper well MW19-12A and may be occurring in the intermediate well MW19-12B. This is supported by the general decrease of PCE and TCE and increase in 1,2-DCE and VC concentrations measured in 2023 and 2024 at this location.

Given the extensive monitoring well network and characterization of three different groundwater intervals across the Site, it is reasonable to consider the maximum concentrations of VOCs have been measured. Considering this and since accessible drilling locations have all been drilled at the Site, no additional groundwater monitoring well locations are required to delineate VOCs on the Site.

5.12.5.2.3 Area of Groundwater Impacts – PAHs

As summarized on Figure 5c, analytical results for PAHs of groundwater samples collected during the initial Phase Two ESA and Supplemental Phase Two ESA identified Table 7 SCS exceedances at various locations. PAH impacts exceeded the groundwater PSS at MW01-10.

Source, Distribution, and Migration of Identified Impacts

The identified PAH impacts noted in groundwater at these locations were likely associated with undocumented historical fuel spills at the Site or waste generation of various types and inappropriate disposal practices as the locations of exceedances correlate with the presence of LNAPL.

As shown in plan view on Figure 5c, and cross-section on Figure 9c and Figure 10c, the identified PAH impacts to groundwater are laterally delineated and are considered vertically delineated as no deep groundwater exceeded for PAHs. Depending on the parameter, the maximum PAH concentrations were measured in shallow and intermediate intervals and were measured in the wells that have LNAPL or in the case of MW14-2, in the vicinity of the wells with LNAPL.

5.12.5.2.4 Area of Groundwater Impacts – Metals

As summarized on Figure 5d, analytical results for metals in groundwater samples collected from monitoring wells identified no Table 7 exceedances.

5.12.6 Soil Vapour Quality

The soil vapour sampling program was completed to assess the potential of vapour intrusion to indoor air.

A conservative soil vapour criteria for each of the submitted parameters was derived by adjusting the MECP Industrial Health Based Indoor Air Criteria (HBIAC) by an attenuation factor (0.004) representative of vapour migration through the floor slab from soil to indoor air in a commercial building. The measured concentrations of detected parameters from the soil vapour samples were less than the derived soil vapour criteria with the following exceptions (field duplicate samples are not included below; if the field duplicate exceeded the criteria but the parent sample met the criteria, the parameter was still included in the table as a conservative measure):

- 2023:
  - VP14-3: PCE, TCE
  - VP12-1, VP12-3VP14-10: TCE
- 2024:
  - VP12-2, VP14-10: PCE, TCE
- 2025:
  - VP14-10: TCE

Summaries of the current and historical soil vapour analytical results are included in Data Table IVa, and Data Table IVb, respectively. Recent Stantec soil vapour data are shown on Figure 6a, and Figure 6b.

Soil vapour analytical results exceeded the adjusted HBIAC for PCE, TCE and vinyl chloride on several occasions since annual soil vapour monitoring began in 2003. Indoor air sampling programs were conducted at the Site in 2012, 2013, 2014 and 2015 when elevated soil vapour concentrations were noted. Analytical results of each indoor air sampling event indicated concentrations below the comparative criteria and within acceptable levels with respect to local and provincial guidance.

Despite historical concentrations of COC in soil vapour exceeding the applicable derived soil vapour criteria, subsequent indoor air quality testing has not identified concerns for occupants of the buildings (Golder, 2013, 2014, 2015). With concentrations of COCs remaining within the historical range, and no significant changes having occurred in the operation of the buildings on-site, it is generally accepted that there continues to be no health concerns for building occupants. This is a conclusion that has been accepted by stakeholders in prior soil vapour reporting and for ongoing monitoring of soil vapour.

As a voluntary precaution to mitigate the potential for VOC vapour intrusion for the properties located at 223 and 229 Armstrong Street, a sub-slab depressurization system (SSDS) was installed by Golder in 2018 under an environmental activity and sector approval (ESAR) at 229 Armstrong Street (Morning Owl Coffee) and 223 Armstrong Street (Carleton Tavern). Both these buildings have a half basement with very low ceilings which prevents the installation of boreholes and monitoring wells. A new ESAR was issued to Taggart in 2023 and the SSDS are monitored quarterly and are functioning as designed.

5.12.7 Summary

Based on the results of the Phase One ESA, initial Phase Two ESA, and Supplemental Phase Two ESA completed by Stantec and considering historical data, the contaminants of concern have been identified

at the Site. Multiple investigations have been completed at the Site to identify the maximum concentrations and delineate soil and groundwater exceedances both laterally and vertically. However, not all contaminants of concern have been delineated, and some are known to extend off-site. Additional groundwater monitoring wells installed in 2025 have delineated the lateral extents of observed LNAPL. However, the potential for LNAPL formation exists due to groundwater concentrations of PHCs exceeding the half-solubility limits. In 2025, the following monitoring wells had groundwater concentrations of PHC F1 and/or PHC F2 exceeding the half-solubility limits: MW01-10, MW08-32A, MW14-1B, MW19-12B, and MW25-05.

It is the opinion of the QP_{ESA} that additional monitoring wells solely to delineate COCs in groundwater laterally and vertically will not materially advance the interpretation of the distribution and extent of contaminants on, in or under the Phase Two Property.

Considering the multiple assessments that have been completed, location and extent of the soil and soil vapour sampling locations and monitoring well network targeting three different groundwater intervals, appropriate steps have been taken to locate the maximum concentrations of COCs at the Site. It is our opinion that additional assessment to delineate the soil and groundwater exceedances is not required. As attempts to identify the maximum COC concentrations have been completed, it is reasonable to consider the data set representative of worst-case conditions and as such, these maximum values have been carried forward as part of a site-specific human health and ecological risk assessment to evaluate if the COCs pose an unacceptable risk to receptors. Additional delineation for the COCs will not significantly contribute to the Site's conceptual site model, including the interpretation of the distribution and extent of the COCs, nor is additional assessment to collect additional COC data practical given the existing sampling locations proximate to the property boundaries and that the buildings are constructed on granular material or directly on bedrock.

The soil and groundwater results exceed the applicable Table 7 SCS and/or the soil/groundwater PSS, and soil vapour results exceed the derived soil vapour criteria. Soil and groundwater exceedances of Table 7 SCS and soil vapour exceedances of the derived soil vapour criteria have the potential to create adverse effects for both on-site and off-site receptors. On-site conditions will be managed by Taggart through a proposed redevelopment which will remove a significant source of impacted soil, bedrock and groundwater at the Site. The proposed redevelopment will alter conditions during construction and Taggart will be completing an offsite monitoring program during redevelopment activities to assess the potential for adverse effects for off-site receptors. The risk to receptors on-site has been assessed through a Tier 3 SSRA, which is currently in the MECP review process. It is anticipated that conditions will significantly improve post-construction. Off-site monitoring is currently being completed by others.

5.12.8 Contaminant Fate and Transport Mechanisms

5.12.8.1 Preferential Pathways

The presence of coarser grained materials around buried utilities (bedding material), near-surface fill, or building foundations can often act as preferential pathways for the migration of COC. Based on the known depths of local storm sewer and water service infrastructure at the Site that are trenched into the bedrock

and considering the average depth to groundwater, it is likely that buried utilities are acting as a preferential pathway for migration of groundwater impacts. Migration of impacts in groundwater appear to be associated with advective groundwater flow.

5.12.8.2 Climatic and Meteorological Conditions

Daily average temperatures for the Ottawa area range from a minimum of -10.0ºC (January) to a maximum of 27.0ºC (July). Precipitation (rain and snowfall) ranges from approximately 49.5 mm (February) to 96.8 mm (June).

Considering the depth to groundwater, moderate precipitation and built environment (buildings and impermeable surfaces), it is considered unlikely that the local climate or meteorological conditions have significantly influenced the distribution of the COCs at the Phase Two Property; however, soil leaching within the courtyard area is likely occurring and contributing to impacted groundwater. The primary mechanism for contaminant transport in groundwater in the fractured bedrock is advection, although dispersion and adsorption are likely occurring as secondary transport mechanisms.

5.12.8.3 Soil Vapour Intrusion

A multi-storey mixed-use building with several levels of underground parking is planned for the future development at the Site which will remove a significant mass of source media at the Site. However, based on the depth of impacts, residual impacts in groundwater are expected to remain post-construction. Therefore, vapour intrusion into buildings is assessed in the Risk Assessment and potential migration of residual vapours are included in the Risk Management Plan (RMP).

Human health and ecological CSMs are provided in the RA and provide additional details regarding potential receptors and associated exposure pathways applicable at the Site. Soil vapour sampling was completed at the Site historically and more recently from 2023 to 2025. Concentrations of PHCs and VOCs in soil vapour are depicted in plan view onFigure 6a, and Figure 6b, respectively.

5.12.9 Contaminant Pathways and Receptors

At the time of the site assessment activities, the buildings at 3 Hamilton Avenue North (which includes units 5, 7A, 7B, and 340 Parkdale Avenue) and 223, 229, and 233 Armstrong Street were occupied by commercial businesses. The future property use will be mixed residential and ground floor commercial. The following sections summarize applicable pathways and receptors associated with identified concentrations of COCs that are reported to exceed the O.Reg. 153/04 Table 7 SCS at the Site.

The following sections are based on the O.Reg. 153/04 Tier 3 Risk Assessment that Stantec completed and submitted to the MECP in June 2025. For further details, refer to the risk assessment. Figure 11 presents a visualization of the human health and ecological CSM.

5.12.9.1 Human Health CSM

The human health CSM describes the potential release and transport mechanisms for soil and groundwater COCs and identifies the exposure pathways for the human receptors (including sensitive receptors) that are likely to be present at the Site and on adjacent properties (nearest off-Site receptors).

Based on the current site characteristics, and with the understanding that land use at the Site is to become residential, the human receptors at the Site that were considered in the risk assessment include the following:

- Resident (toddler and composite)
- Adult subsurface worker (i.e., short-term construction worker)
- Adult indoor worker (i.e., long-term indoor worker)
- Adult outdoor worker (i.e., long-term maintenance worker)
- Site visitor/Trespasser

Off-Site human receptors are likely to include:

- Residents (toddler and composite)
- Adult subsurface worker (i.e., short-term construction worker)
- Adult indoor worker (e.g., long-term indoor worker)
- Adult outdoor worker (e.g., long-term maintenance workers)
- Visitor/Trespasser/Recreational User

Under the current scenario, with no RMMs in place, the exposure pathways on-Site include the following (the risk assessment evaluated the following exposure pathways quantitatively or qualitatively, depending on the specific scenario):

<u>Soil</u>

- Dermal contact/incidental ingestion (resident, outdoor worker, subsurface worker)
- Inhalation of volatiles (indoor, outdoor, and trench air)
- Soil leaching to groundwater
- Inhalation of soil particulates (subsurface worker only)
- Ingestion of vegetation (garden produce for residents)

<u>Groundwater</u>

- Incidental dermal contact with groundwater (Subsurface Worker only)
- Incidental ingestion of groundwater (Subsurface Worker only)
- Inhalation of volatiles (indoor, outdoor, and trench air)
- Direct contact and inhalation exposure of free-phase product (LNAPL)

- Ingestion of vegetation (garden produce for residents)

Chart 5-1 presented below illustrates the human health CSM without RMMs, which includes only those exposure pathways and human receptors that are considered reasonable for assessment at the Site considering the Site characteristics, planned future land use (i.e., commercial/community and residential), and adjacent land uses in the absence of RMM. Chart 5-2 presented below illustrates the human health CSM with RMMs; RMMs reduce or eliminate receptor exposure by limiting or blocking potential exposure pathways.

Chart 5-1 Human Health Conceptual Site Model without Risk Management Measures

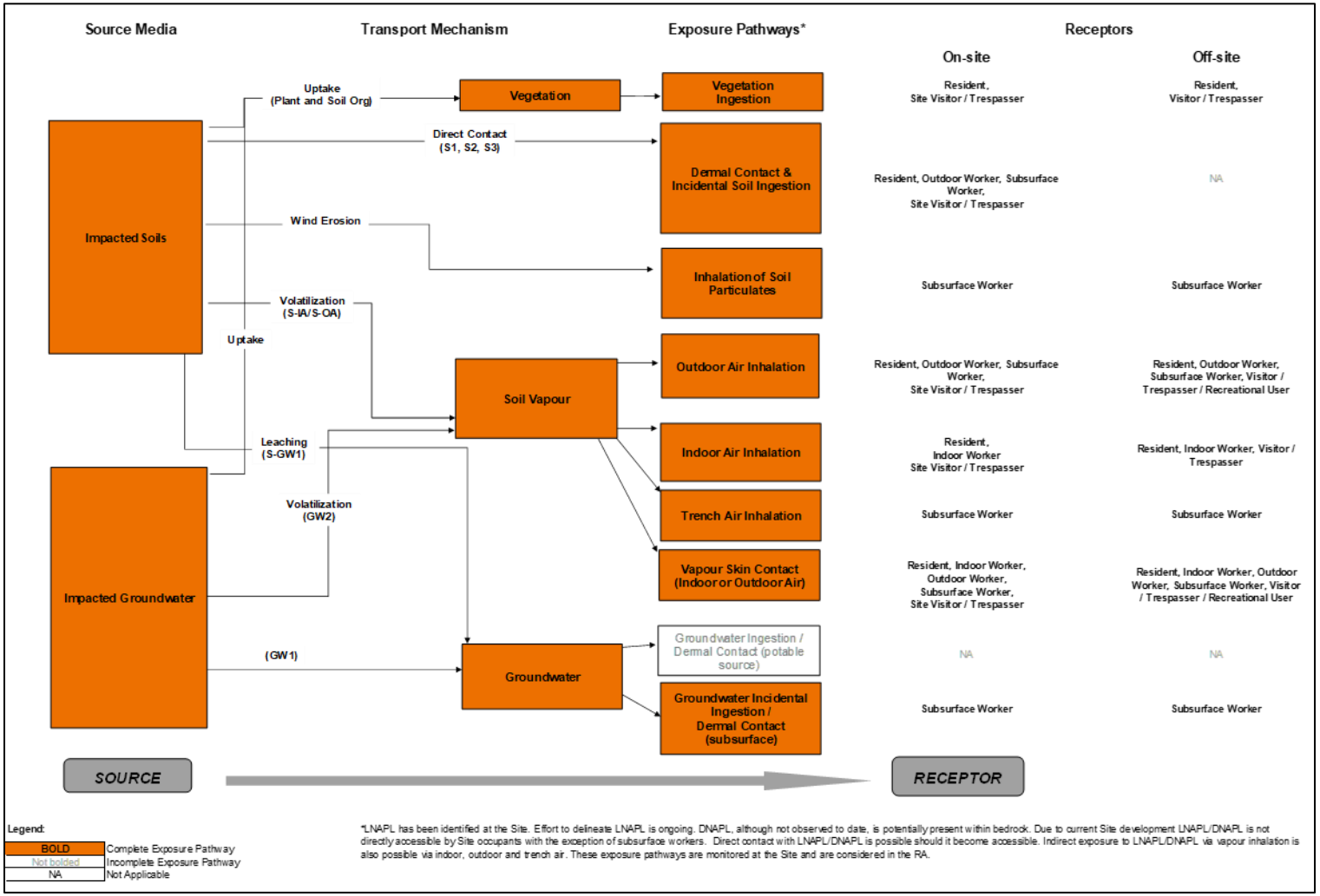
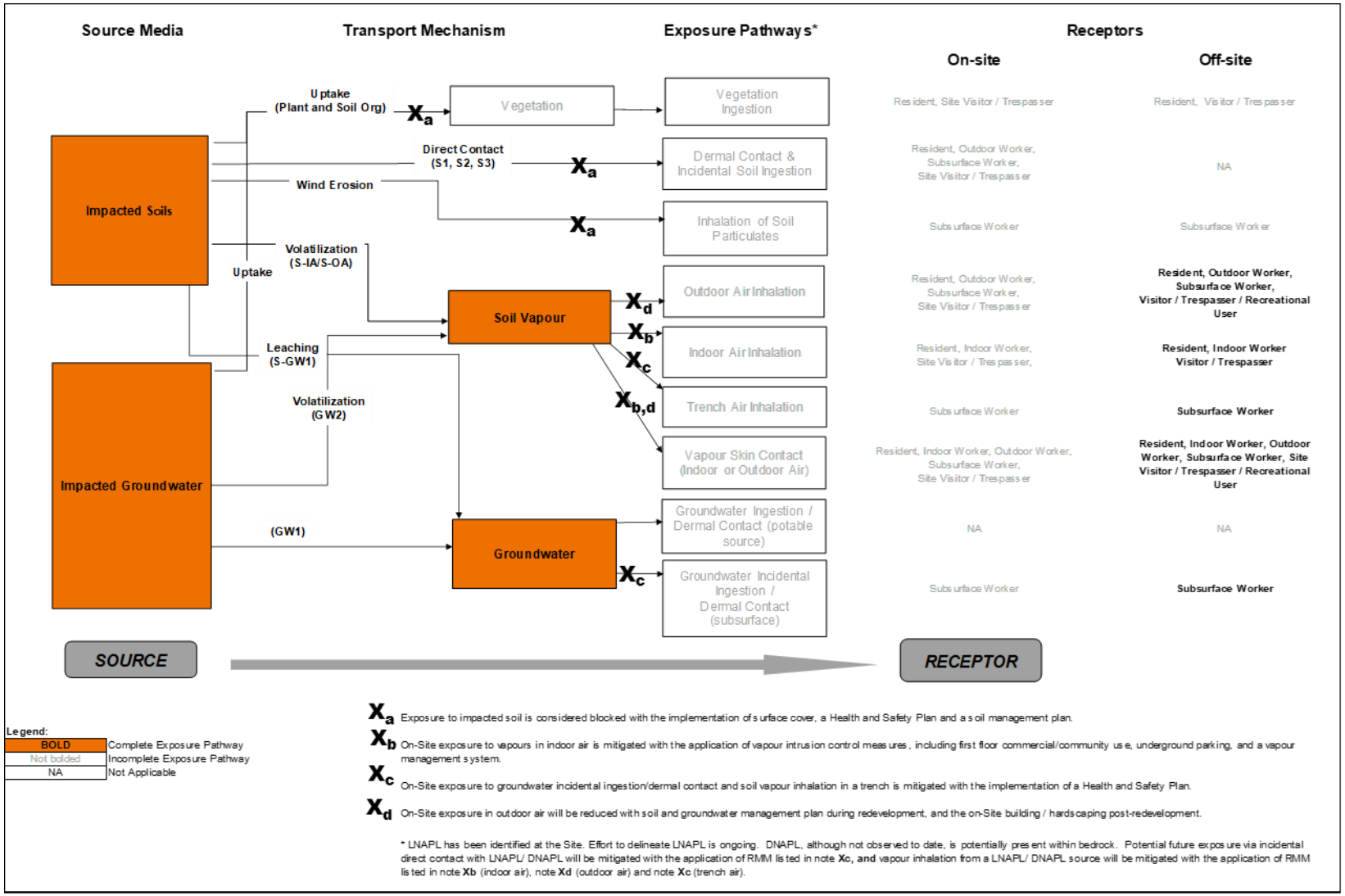


Chart 5-2 Human Health Conceptual Site Model with Risk Management Measures



5.12.9.2 Ecological Receptors and Exposure Pathways

The ecological CSM provides an illustrative description of the exposure pathways and the transport mechanisms by which COCs can move through the property, and the contaminated media that ecological receptors (on and off-Site) may encounter. The exposure pathways and receptors have been chosen based on the soil and groundwater site conditions. Typical ecological receptors present for urban areas include:

- Terrestrial plants and soil invertebrates
- Mammals and birds including
  - American woodcock (*Scolopax minor*)
  - Meadow vole (field mouse; *Microtus pennsylvanicus*)
  - Short-tailed shrew (*Blarina brevicauda*)
  - Red-tailed hawk (*Buteo jamaicensis*)
  - Red-winged blackbird (*Agelaius phoeniceus*)
  - Red fox (*Vulpes vulpes*)
- Reptiles
- Amphibians (terrestrial and aquatic phases, e.g., spring peeper) are not expected to be present due to the absence of suitable habitats (e.g., marshes, ponds, and damp forests) on-Site and in the local off-Site areas

There are no aquatic features within 30 m of the Site. The nearest downgradient surface water body is the Ottawa River located 1 km north of the Site. Off-Site aquatic life (i.e., fish, aquatic plants, aquatic invertebrates (water column and benthic) and aquatic phase amphibians) will be considered for off-Site exposure.

Additionally, under the current and future land use scenario, with no RMM in place, the likely exposure pathways include:

Soil

- Soil ingestion, and/or dermal contact with soil, and/or particulate inhalation
- Ingestion of soil invertebrates, terrestrial mammals, terrestrial birds or terrestrial plants
- Vapour inhalation and/or stem/foliar uptake of vapour

Groundwater

- Direct contact, and/or dermal contact with groundwater
- Uptake from groundwater-to-surface water and sediment by off-Site aquatic receptors (off-Site only)
- Ingestion of aquatic biota (off-Site only)

Chart 5-3 presented below illustrates the ecological CSM without RMMs. Chart 5-4 illustrates the ecological CSM with RMMs.

Chart 5-3 Ecological Health Conceptual Site Model without Risk Management Measures

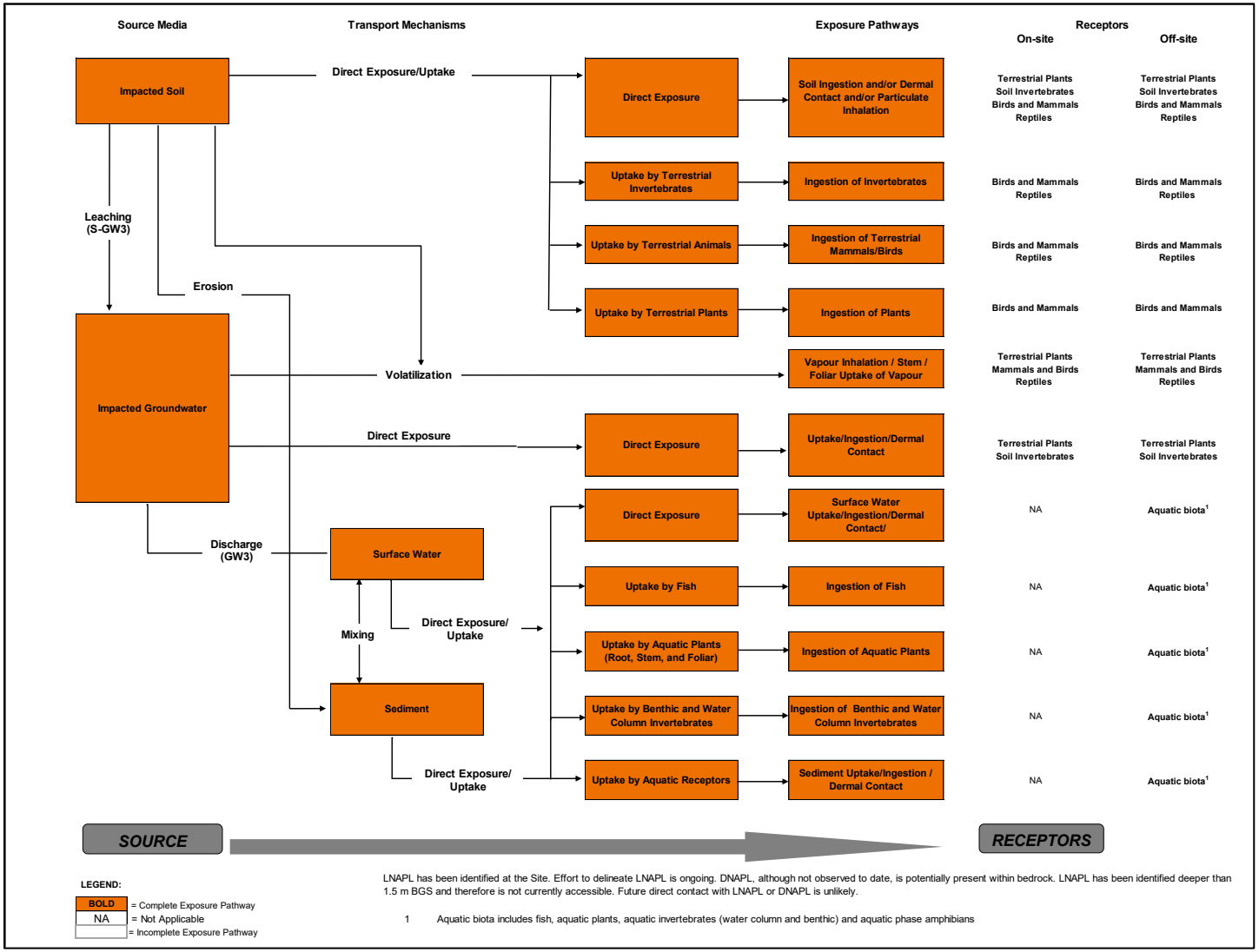
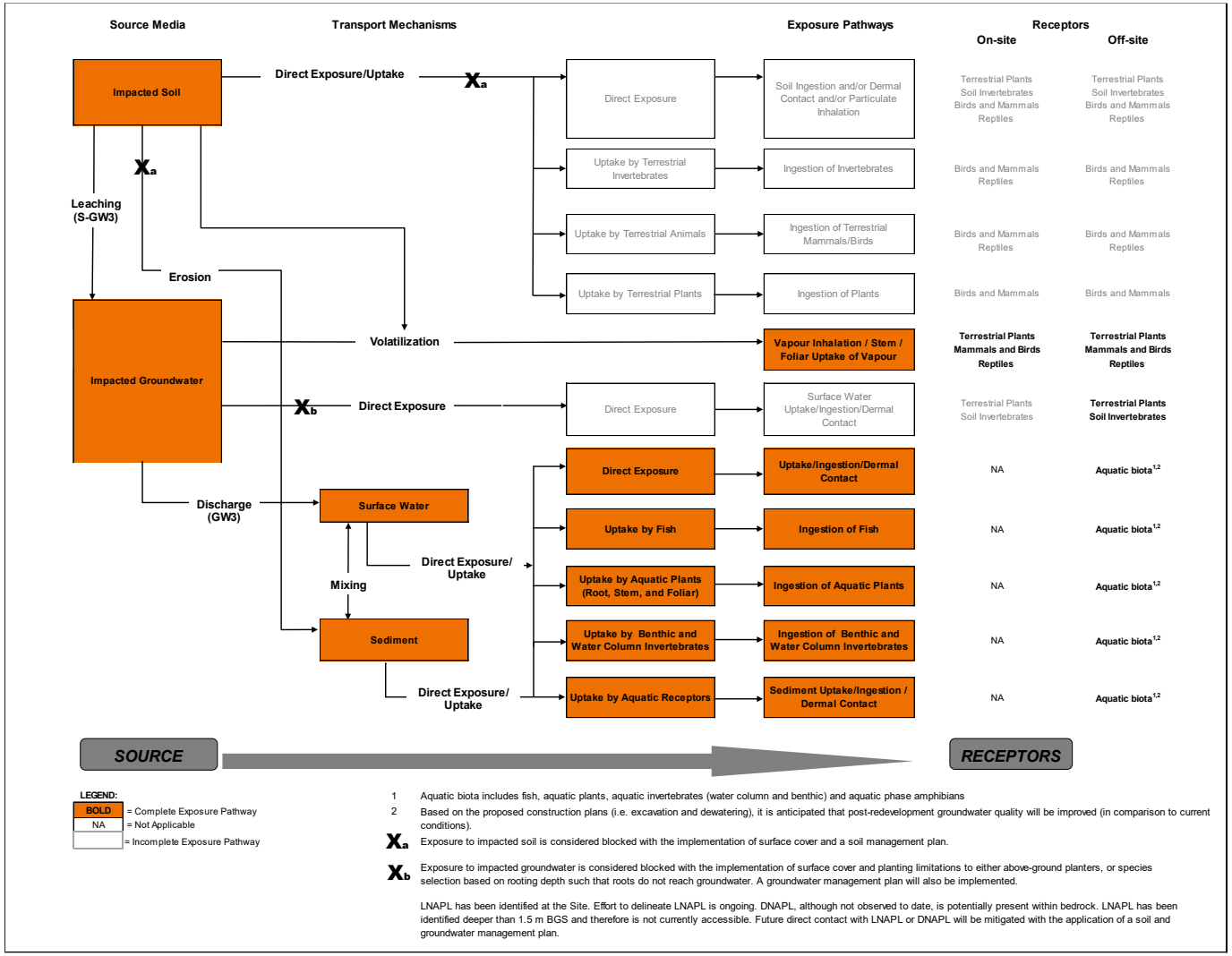


Chart 5-4 Ecological Health Conceptual Site Model with Risk Management Measures



5.13 Non-Standard Delineation

The initial Phase Two ESA and Supplemental Phase Two ESA that was relied upon in the preparation of the RA has been prepared using a non-standard delineation conducted in accordance with Section 7.1 of Schedule E.

Based on the historical results, and discussions with the district engineer on June 14, 2023, the application of a non-standard delineation (NSD) approach was considered acceptable to apply at the Site, if the requirements of Section 7 of Schedule E are met, with the exception of clause 7(4)(c). Results from the initial Phase Two ESA and Supplemental Phase Two ESA were generally consistent with historical results, and several parameter groups were not delineated laterally or vertically in soil and groundwater at the Site with respect to the Table 7 SCS. The application of NSD under Section 7.1 of Schedule E, O.Reg. 153/04, is required as part of preparing the Phase Two ESA and Supplemental Phase Two ESA reports, as soil characterization for VOCs, PHCs, PAHs, and metals did not achieve lateral delineation and vertical delineation was not possible as the deepest samples were collected just above bedrock (with the exception of lateral delineation being achieved for PHCs). Similarly, groundwater characterization for VOCs, PHCs, and PAHs did not achieve lateral or vertical delineation (with the exception of lateral delineation being achieved for PAHs).

LNAPL was identified at the Site in 2024 for the first time since 2003 and additional assessment was carried out in 2025 to delineate the LNAPL. Additional investigation in 2025 resulted in the delineation of observed LNAPL at the Site. However, the potential for LNAPL formation exists due to groundwater concentrations of PHCs exceeding the half-solubility limits. In 2025, the following monitoring wells had groundwater concentrations of PHC F1 and/or PHC F2 exceeding the half-solubility limits and did not have LPH observed: MW08-32A, MW14-1B, and MW25-05. Since only one groundwater monitoring event has been completed at MW25-05, we are of the opinion that no additional monitoring wells are required west of MW25-05.

The lateral extent of additional boreholes and monitoring wells at the Site are limited due to the constraints imposed by the construction of on-site buildings (i.e., low ceilings in basement, presence of subsurface utilities, construction of finished floor and subfloor). As new data is collected, it will be incorporated to confirm the assumptions used as part of the NSD rationale remain accurate and if any new site maximum concentrations are reported, they are incorporated into the human health and ecological risk assessment.

5.13.1 Soil

5.13.1.1 PHC Impacts

The identified PHC F3 impact reported in soil at BH23-1 on the south-central portion of the Site is considered likely to be associated with poor-quality fill soil on the south-central portion of the Site. PHC impact in soil at this location was laterally delineated to the north by BH23-2 (approximately 5m north of BH23-1), to the east and west by the on-Site buildings (beneath which there is no soil) and to the south by MW25-03. PHC impact in soil at BH23-1 was vertically delineated by the bedrock interface which was

encountered at a depth of 1.2 m BGS. There were no BTEX exceedances measured in soil during the initial Phase Two ESA and Supplemental Phase Two ESA. PHC impacts in soil did not exceed the soil PSS.

5.13.1.2 VOC Impacts

The identified PCE and TCE impacts reported in soil were likely associated with historical on-site use, storage and disposal of chlorinated solvents on the Phase Two Property. While information indicates that a soil remediation program was completed in early 2000s in the courtyard, the Phase Two ESA and Supplemental Phase Two identified VOC exceedances in soil at BH23-1, BH23-2, BH23-3, BH23-4, BH23-5, BH23-6, BH23-8, MW25-03, and MW25-04 that are likely to be associated with smearing effects from shallow water coming into contact with impacted shallow fractured rock as the groundwater surface fluctuates seasonally. Maximum soil concentrations of TCE and PCE were observed at BH23-2 on the south-central portion of the Site. Concentrations decrease from BH23-2 towards the east, north, west, and south property limits. It is the opinion of the QP_{ESA} that an additional borehole/monitoring well to delineate VOC impacts in soil will not materially advance the interpretation of the distribution and extent of contaminants on, in or under the Phase Two Property. VOC impacts in soil did not exceed the soil PSS.

5.13.1.3 PAH Impacts

The identified PAHs impacts reported in soil at BH23-1, BH23-4, BH23-7, BH23-8, MW25-03, and MW25-04 are considered to be associated with poor-quality fill imported to the Site. Maximum PAH concentrations were primarily observed at BH23-4, MW25-03, and MW25-04 on the central, southern, and southeastern portion of the Site. PAHs impacts were vertically delineated by the bedrock interface (1.2 m BGS at BH23-1, 0.7 m BGS at BH23-4, 0.8 m BGS at BH23-7 1.0 m BGS at BH23-8, 1.4 m BGS at MW25-03, and 1.3 m BGS at MW25-04). The lateral extent of the PAHs impacts has been delineated to the west (BH23-5, BH23-6, BH23-2); however, given the location and construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling locations are required to the north, east, or south. PAH soil impacts exceeding the soil PSS will be addressed through an update to the Tier 3 SSRA.

5.13.1.4 Metals Impacts

The identified metals impacts reported in soil at BH23-1 (lead), BH23-4 (lead), BH23-7 (cadmium and thallium), MW25-03 (boron and lead), and MW25-04 (lead) are considered likely to be associated with poor-quality fill imported to the Site. Metals impacts were vertically delineated by the bedrock interface (1.2 m BGS at BH23-1, 0.7 m BGS at BH23-4, 0.8 m BGS at BH23-7, 1.4 m BGS at MW25-03, and 1.3 m BGS at MW25-04). The lateral extent of the metal impacts has been delineated to the west (BH23-2, BH23-5, BH23-6); however, given the location and construction of buildings on bedrock/thin layer of granular bedding, no additional soil sampling locations are required to the east, or south and soil samples could not be collected from the north (MW25-02) as no soil was present. Metals soil impacts exceeding the soil PSS will be addressed through an update to the Tier 3 SSRA.

5.13.2 Groundwater

5.13.2.1 BTEX and PHC Impacts

The identified BTEX and PHC impacts reported in groundwater are considered likely to be associated with undocumented fuel spills and/or poor waste disposal practices at the Site. As shown in plan view Figure 5a, and in cross-sections Figure 9a and Figure 10a, the identified PHC impacts in groundwater were not laterally or vertically delineated. The maximum PHC concentrations in groundwater were measured on the central and south portions of the Site at MW01-10 (PHC F1 to F4), in the shallow groundwater interval. The maximum BTEX concentrations were measured at MW08-33A (benzene, toluene) and MW14-1B (ethylbenzene, xylenes) each on the central portion of the Site in the shallow bedrock groundwater interval. Concentrations of BTEX and PHC F1-F4 decrease with depth, up to three orders of magnitude and as such, additional efforts for vertical delineation would not further advance the understanding of the Site's CSM. PHC/BTEX impacts are not laterally delineated in groundwater in the east, west or south. Further, due to the presence and construction of the buildings at the Site, it is not possible to install delineation wells to the east. Additional groundwater monitoring wells were installed in 2025, which achieved delineation of the lateral extent of observed LNAPL at the Site in all directions but the east, where LNAPL has been reported in the municipal right-of-way by others. However, the potential for LNAPL formation exists due to groundwater concentrations of PHCs exceeding the half-solubility limit at the following locations: MW01-10, MW08-32A, MW14-1B, MW19-12B, and MW25-05. However, additional monitoring wells solely to delineate BTEX, PHC, and potential LNAPL in groundwater laterally and vertically will not advance an understanding of the CSM. PHC groundwater impacts exceeding the groundwater PSS will be addressed through an update to the Tier 3 SSRA.

5.13.2.2 VOC Impacts

The identified VOC impacts noted in groundwater were likely associated with former manufacturing operations and the storage and improper disposal of waste on the Phase Two Property. As shown in plan view Figure 5b, and cross-section Figure 9b and Figure 10b, the identified VOC impacts to groundwater were not laterally or vertically delineated and are known to extend off-Site. Maximum VOC concentrations are generally limited to the shallow and intermediate groundwater intervals. The VOC concentrations decrease significantly with depth, by up to 4 orders of magnitude for some parameters from the shallow to deep groundwater intervals, with one exception, MW19-12A/B where Golder had injected ZVI nearby. In 2020, Golder reported that reductive dechlorination was occurring in the deeper well MW19-12A and may be occurring in the intermediate well MW19-12B. This is supported by the general decrease of PCE and TCE and increase in 1,2-DCE and VC concentrations measured in 2023 to 2025 in these locations.

Given the existing monitoring well network and identification of maximum concentrations, and considering the impacts are known to extend off-site, it is the opinion of the QP_{ESA} that further effort to delineate the COCs in bedrock is unlikely to contribute any further significant or meaningful information regarding the interpretation of the distribution and extent of contaminants on, in or under the Phase Two Property. VOC groundwater impacts did not exceed the groundwater PSS.

5.13.2.3 PAH Impacts

The identified PAH impacts in groundwater are considered likely to be associated with undocumented historical fuel spills at the Site or waste generation of various types and inappropriate disposal practices as the locations of exceedances correlate with the presence of LNAPL. As shown in plan view Figure 5c, and cross-section Figure 9c and Figure 10c, the identified PAH impacts to groundwater have been laterally delineated to the south, east and north by the newly installed wells in 2025 and are considered vertically delineated as no deep groundwater monitoring wells exceed for PAHs. Depending on the parameter, the maximum PAH concentrations were measured in shallow and intermediate intervals and are located in or proximate to the wells that have LNAPL. Most of the maximum concentrations were measured at MW01-10 on the south-central portion of the Site in the shallow bedrock groundwater interval where LNAPL was observed. Maximum concentrations of benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene were observed at MW19-12B on the south-central portion of the Site in the intermediate bedrock groundwater interval. PAH groundwater impacts exceeding the groundwater PSS will be addressed through an update to the Tier 3 SSRA.

5.13.3 Summary

Based on the results of the Phase One ESA, initial Phase Two ESA, and Supplemental Phase Two ESA and considering historical data, the appropriate contaminants of concern have been identified at the Site. The Phase Two ESA and Supplemental Phase Two ESA characterized accessible soil across the Site in an attempt to locate the maximum concentrations and delineate soil exceedances at the Site; however, not all COCs in soil have been delineated. That said, based on the limited soil available for characterization, building construction constraints, and existing data, it is the opinion of the QP_{ESA} that further effort to delineate the COCs in bedrock is unlikely to contribute any further significant or meaningful information regarding the interpretation of the distribution and extent of contaminants on, in or under the Phase Two Property.

LNAPL was identified in 2024 for the first time at the Site since 2003. Additional investigation in 2025 has resulted in the delineation of observed LNAPL to the north, west and south at the Site. LNAPL has been reported east of the Site and likely extends beyond MW25-04. Further, the potential for LNAPL formation exists due to groundwater concentrations of PHCs exceeding the half-solubility limit; based on concentrations of PHC F1 exceeding the half-solubility limit at MW25-05. Multiple investigations have been completed to locate the maximum concentrations and delineate the groundwater exceedances at the Site; however, not all COCs have been delineated, and some are understood to extend off-Site. Additional delineation of COCs in groundwater is further challenged by the need to intersect rock fractures in the fractured bedrock environment with rock competency increasing with depth. The groundwater data collected by Stantec is consistent to historical data and additional efforts to delineate the groundwater exceedances will not significantly contribute to the Site's conceptual site model, including the interpretation of the distribution and extent of the contaminants of concern.

Each APEC and COC at the Site has been assessed and the maximum concentrations of each COC have been measured, including within a LNAPL plume. Considering the Site will be excavated to 12 m BGS during redevelopment activities, it is reasonable to consider that collecting additional data for the

purposes of delineating soil and water exceedances will not materially change the outcome of the risk assessment. The risk assessment will be updated to include the soil, groundwater, and soil vapour data collected in 2025.

As such, a non-standard delineation approach is being applied to this Site and it is appropriate to apply the non-standard delineation exemption to the soil and groundwater impacts at the Site.

Table 5-10 Soil Parameter Concentrations for Which NSD is Being Applied

Chemical of Concern	Maximum Concentration (µg/g)	Borehole Location	Table 7 SCS (µg/g)
PHC F3	1,020	BH23-1	300
Boron (available)	2.5	MW25-	1.5
Cadmium	2.0	BH23-7	1.2
Lead	265	MW25-04	120
Thallium	2.3	BH23-7	1
Acenaphthylene	0.47	BH23-1	0.15
Anthracene	2.89	MW25-04	0.67
Benzo(a)anthracene	3.93	MW25-04	0.5
Benzo(a)pyrene	2.96	MW25-03	0.3
Benzo(b)fluoranthene	3.56	BH23-4	0.78
Benzo(k)fluoranthene	1.98	BH23-4	0.78
Dibenzo(a,h)anthracene	0.75	MW25-03	0.1
Indeno(1,2,3-cd)pyrene	1.67	MW25-03	0.38
Fluoranthene	10.7	BH23-4	0.69
Methylnapthalene (Total)	1.23	MW25-03	0.99
Phenanthrene	10.8	MW25-03	6.2
Tetrachloroethene (PCE)	3.94	BH23-2	0.28
Trichloroethene (TCE)	0.36	BH23-2	0.061

Table 5-11 Groundwater Parameter Concentrations for Which NSD is Being Applied

Chemical of Concern	Maximum Concentration (µg/L)	Monitoring Well Location	Table 7 SCS (µg/L)
Benzene	2,080	MW08-33A	0.5
Toluene	1,720	MW08-33A	320
Ethylbenzene	160	MW14-1B	54
Xylenes	560	MW14-1B	72

Chemical of Concern	Maximum Concentration (µg/L)	Monitoring Well Location	Table 7 SCS (µg/L)
PHC F1	38,100	MW01-10	420
PHC F2	622,000	MW01-10	150
PHC F3	498,000	MW01-10	500
PHC F4	235,000	MW01-10	500
Acenaphthylene	<5.0	n/a (RDL issue)	1
Anthracene	20.2	MW01-10	1
Benzo(a)anthracene	53.9	MW01-10	1.8
Benzo(a)pyrene	41.6	MW01-10	0.81
Benzo(b)fluoranthene	65.7	MW01-10	0.75
Benzo(g,h,i)perylene	13.3	MW19-12B	0.2
Benzo(k)fluoranthene	27.2	MW01-10	0.4
Chrysene	82.4	MW01-10	0.7
Dibenzo(a,h)anthracene	<1.00	n/a (RDL issue)	0.4
Fluoranthene	165	MW01-10	44
Indeno(1,2,3-cd)pyrene	35.7	MW01-10	0.2
Naphthalene	126	MW01-10	7
Pyrene	118	MW01-10	5.7
Dichloroethene, 1,1-	151	MW08-33A	0.5
Dichloroethene, cis-1,2-	390,000	MW14-1A	1.6
Dichloroethene, trans-1,2-	900	MW19-12A	1.6
Dichloropropane, 1,2-	3.0	E3	0.58
Tetrachloroethane, 1,1,2,2-	4.8	MW19-12B	0.5
Tetrachloroethene (PCE)	460,000	E4	0.5
Toluene	1,720	MW08-33A	320
Trichloroethene (TCE)	98,000	MW14-1A	0.5
Vinyl Chloride	56,000	E5	0.5

5.14 Exemptions

The QP_{ESA} will not be relying upon exemptions outlined in paragraph 1.1 or 2, 3 of section 49.1 of O. Reg 153/04, and/or subsections 6 (2), 43 (3) and (4) of Schedule E of O. Reg 153/04 under the Phase Two Environmental Site Assessment.

The QP_{ESA} will be relying upon the exemption as outlined under paragraph 1 section 49.1 of O. Reg 153/04. The QP_{ESA} has determined, based on the Phase One Environmental Site Assessment, that salt has been applied to surfaces of the Phase Two Property for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both. As such, EC exceedances in soil and sodium and chloride exceedances in groundwater are not considered to be contaminants of concern with need for further investigation.

5.15 Discussion

As part of the initial Phase Two ESA and Supplemental Phase Two ESA, soil and groundwater samples were collected for laboratory analysis of one or more of the following: PHCs PAHs, VOCs including BTEX, selected metals and inorganics, EC, SAR, and pH.

- The soil profile observed by Stantec during the Phase Two ESAs was generally consistent with that reported during previous investigations at the Phase Two Property. Generally, the soil profile consisted of up to 1.75 m of silty sand fill and granular material which was underlain by limestone bedrock.
- Bedrock geology in the Study Area was mapped as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group and Simcoe Group, Shadow Lake Formation (MNR, 1991). Limestone bedrock was encountered at depths between 0.46 m and 1.75 m BGS during the Phase Two ESAs.
- Based on groundwater level measurements from 2025, the groundwater flow direction in the shallow groundwater unit was interpreted to have components of flow to the northeast and southwest and is likely influenced by the presence of utility trenches. The groundwater flow direction in the intermediate groundwater unit was interpreted to be to the northeast. The groundwater flow direction in the deep groundwater unit could not be interpreted due to the lack of monitoring data in deep groundwater monitoring wells. Historically, based on the observed deep groundwater elevations from on-site and off-site data, a south to southeast component to the flow direction (toward the geological fault adjacent to the east of the Site) was reported by Golder
- The following parameters were considered COCs that exceeded Table 7 SCS in soil: TCE, PCE, PHC F3, boron, lead, cadmium, thallium, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, total methylnaphthalene, and phenanthrene.
- The following parameters were considered COCs that exceeded Table 7 SCS in groundwater: benzene, toluene, ethylbenzene, xylenes, PHC F1-F4, 1,1-DCA, 1,1-DCE, cis-1,2-DCE, dichloroethene, trans-1,2-DCE, 1,2 dichloropropane, 1,1,2,2-tetrachloroethane, PCE, TCE, VC, anthracene, acenaphthylene (RDL > SCS), benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, dibenzo(a,h)anthracene (RDL > SCS), chrysene, indeno(1,2,3-cd)pyrene, naphthalene, pyrene.
- A non-standard delineation approach is being applied to this Site. Based on the extensive historical data set, spatial coverage of the wells, limited amount of soil, and limitations imposed by

buildings at the Site, it is appropriate to apply the non-standard delineation exemption to the remaining soil and groundwater impacts at the Site.

- The results of the initial Phase Two ESA and the 2024 monitoring have been incorporated into the Tier III SSRA. The results from the 2025 Supplemental Phase Two ESA will be incorporated into an updated version of the Tier III SSRA.
- In 2025, concentrations of PAHs and metals in soil, and PHCs and PAHs in groundwater exceeded the PSS developed as part of the risk assessment. The risk assessment will be updated to include the 2025 soil, groundwater, and soil vapour data; the PSS and/or the RMMs will be revised as needed.
- Based on groundwater monitoring and sampling of the newly installed monitoring wells in May 2025, the extents of observed LNAPL have been delineated to the north, west and south, but likely extend off-site to the east based on LNAPL reported in the municipal right-of-way by others, as presented on Figure 12.

Based on the results of the Phase Two ESA and Supplemental Phase Two ESA, the MOE (2011) Table 7 SCS were not met for the COCs noted above within APECs 1 to 8 at the Phase Two Property at the time of the assessment.

Soil and groundwater impacts will be addressed through a combination of a completion of an O.Reg. 153/04 Tier 3 SSRA and remedial excavation.

6 Conclusions

Taggart retained Stantec to conduct a Supplemental Phase Two ESA for the properties bounded by Spencer Street, Hamilton Avenue North, Parkdale Avenue, and Armstrong Street (the “Phase Two Property” or the “Site”) in Ottawa, Ontario. The original Phase Two ESA was dated March 1, 2024. This Supplemental Phase Two ESA includes soil, groundwater, and soil vapour data collected in 2024 and 2025.

The Phase Two ESA was conducted to characterize soil, groundwater and soil vapour at APECs identified as part of a Phase One ESA completed by Stantec for the COCs associated with identified PCAs and was completed consistent with the requirements of O.Reg.153/04. Soil and groundwater quality was assessed in the context of the applicable MECP (MOE, 2011) SCS as referenced by O.Reg.153/04.

The Supplemental Phase Two ESA included a review of historical investigations for the Phase Two Property and adjacent properties, the advancement of boreholes, sampling and monitoring of the existing monitoring wells, and a soil, groundwater, and soil vapour assessment program. The fieldwork for the Supplemental Phase Two ESA was completed in 2025. Soil and groundwater samples were collected for analysis of one or more of the following: PHCs PAHs, VOCs including BTEX, metals including hydride forming metals.

Based on the results of the Phase One and Two ESA, Stantec has completed an O. Reg. 153/04 Tier III Risk Assessment to address the soil, groundwater, and soil vapour concentrations measured during the Phase Two ESA that pose an unacceptable risk to human health and ecological receptors. Stantec identified a series of RMMs as part of the RMP. The Risk Assessment is currently under review by the MECP. Upon MECP approval of the Risk Assessment and issuance of a Certificate of Property Use (CPU), an RSC will be prepared and submitted for MECP acknowledgment.

The findings of the initial Phase Two ESA and Supplemental Phase Two ESA were as follows:

- The soil profile observed by Stantec during the Supplemental Phase Two ESA was generally consistent with that reported during previous investigations at the Phase Two Property. Generally, the soil profile consisted of up to 1.75 m of silty sand fill and granular material which was underlain by limestone bedrock.
- Bedrock geology in the Study Area was mapped as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group and Simcoe Group, Shadow Lake Formation (MNR, 1991). Limestone bedrock was encountered at depths between 0.46 m and 1.2 m BGS during this investigation.
- Between 2023 and 2025, the depth to water measured in each bedrock groundwater unit is as follows:
    - Shallow bedrock unit: 1.14 – 6.99 m BGS; 55.30 – 60.88 m AMSL
    - Intermediate bedrock unit: 3.33 – 5.50 m BGS; 56.55 – 59.21 m AMSL

- Deep bedrock unit: 3.70 – 22.16 m BGS; 53.56 – 40.81 m AMSL

Based on groundwater level measurements from 2025, the groundwater flow direction in the shallow groundwater unit was interpreted to have components of flow to the northeast and southwest and is likely influenced by the presence of utility trenches. The groundwater flow direction in the intermediate groundwater unit was interpreted to be to the northeast. The groundwater flow direction in the deep groundwater unit could not be interpreted due to the lack of monitoring data in deep groundwater monitoring wells. Historically, based on the observed deep groundwater elevations from on-site and off-site data, a south to southeast component to the flow direction (toward the geological fault adjacent to the east of the Site) was reported by Golder.

- Based on the hydraulic conductivity testing performed in 2025, the geometric mean hydraulic conductivity value is 6.21×10^{-7} m/s. The average horizontal hydraulic gradient from 2023 to 2025 from the shallow, intermediate, and deep bedrock groundwater units were 0.14 m/m, 0.13 m/m, and 0.097 m/m, respectively, which is similar to historical results.

Based on the results of the Phase Two ESA and Supplemental Phase Two ESA, the MOE (2011) Table 7 SCS were not met for the COCs noted above within APECs 1 to 8 at the Phase Two Property at the time of the assessment.

Soil and groundwater impacts will be addressed through a combination of a proposed remedial excavation and completion of an O.Reg. 153/04 Tier 3 SSRA.

7 References

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Limitations and Signatures

This report documents work that was performed consistent with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential liabilities associated with the identified property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

The opinions in this report can only be relied upon as they relate to the condition of the portion of the identified property that was assessed at the time the work was conducted. Activities at the property subsequent to Stantec's assessment may have significantly altered the property's condition. Stantec cannot comment on other areas of the property that were not assessed.

Conclusions made within this report consist of Stantec's professional opinion as of date of issue of this report and are based solely on the scope of work described in the report, the limited data available, and the results of the work. They are not a certification of the property's environmental condition. This report should not be construed as legal advice.

This report has been prepared for the exclusive use of the client identified herein and any use by any third party is prohibited. Stantec assumes no responsibility for losses, damages, liabilities or claims, howsoever arising, from third party use of this report.

This report is limited to:

- The sampling locations as shown on Figure 2a. Conditions may vary between sampling locations.
- The analytical parameters listed in Data Table II, Data Table IIIa, and Data Table IVa.

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures are not guaranteed. Before starting work, the exact location of all such utilities and structures should be confirmed and Stantec assumes no liability for damage to them.

The conclusions are based on the site conditions encountered by Stantec at the time the work was performed at the specific testing and/or sampling locations, and conditions may vary among sampling locations. Factors such as areas of potential concern identified in previous studies, site conditions (e.g., utilities) and cost may have constrained the sampling locations used in this assessment.

In addition, analysis has been carried out for only a limited number of chemical parameters, and it should not be inferred that other chemical species are not present.

Due to the nature of the investigation and the limited data available, Stantec does not warrant against undiscovered environmental liabilities nor that the sampling results are indicative of the condition of the entire site. As the purpose of this report is to identify site conditions that may pose an environmental risk; the identification of non-environmental risks to structures or people on the site is beyond the scope of this assessment.

Should additional information become available which differs significantly from our understanding of conditions presented in this report, Stantec specifically disclaims any responsibility to update the conclusions in this report.

This report was prepared by Jacob Zachariah, B.A.Sc., and reviewed by Dylan Hemmings, M.Sc., P.Geo. (Limited).

As QP_{ESA}, I (Dylan Hemmings) confirm that I have supervised this Phase Two ESA and concur with the findings and conclusions of this report. In addition, I confirm that I have completed a technical review of the Phase Two ESA report.

The objectives and requirements set out in Ontario Regulation 153/04 for a Phase Two Environmental Site Assessment were applied in carrying out the environmental site assessment and preparing this report.

All of which is respectively submitted,

STANTEC CONSULTING LTD.

Zachariah, Jacob
Digitally signed by Zachariah, Jacob
Date: 2025.12.15 15:22:21 -05'00'

Jacob Zachariah, B.A.Sc.
Environmental Site Assessor
Phone: (437) 218-9351
jacob.zachariah@stantec.com

Digitally signed by Dylan Hemmings
Date: 2025.12.17 16:05:48 -05'00'

Dylan Hemmings, M.Sc., P.Geo. (Limited)
Vice President, Regional Leader, Ontario
Phone: (613) 761 2857
dylan.hemmings@stantec.com

Figures



Stantec

Legend

Approximate Site Boundary

0 25 50 metres

1:1,000 (At original document size of 11x17)

Notes

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Project Location
Ottawa, ON

122170424 REVC
Prepared by GB on 2025-09-12

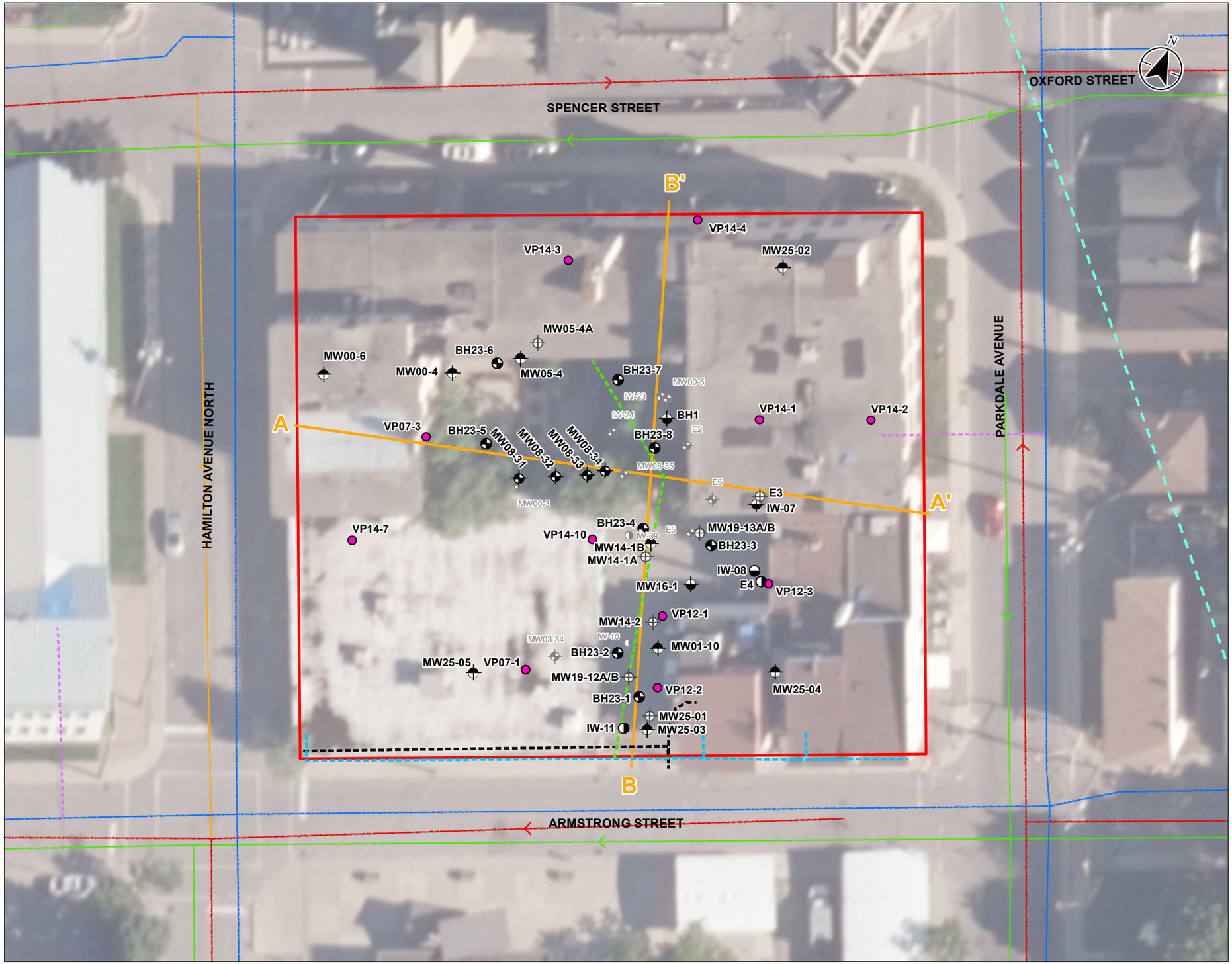
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
1

Title
Site Location

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Stantec

Legend

- Approximate Vapour Probe Location
- Borehole
- Shallow Monitoring Well
- Shallow/Intermediate Monitoring Well
- Intermediate Injection Well
- Intermediate Monitoring Well
- Deep Injection Well
- Deep Monitoring Well
- Approximate Intermediate Injection Well (Presumed Destroyed)
- Approximate Monitoring Well Location (Presumed Destroyed)
- Cross-Section Line
- Geological Fault
- Gas Line
- Sanitary Line
- Water Line
- Public Water Main Line (City of Ottawa)
- Private Water Main Line (City of Ottawa)
- Public Sanitary Line (City of Ottawa)
- Public Storm Line (City of Ottawa)
- Approximate Site Boundary

IW - Injection Well
BH - Borehole
MW - Monitoring Well

0 10 20 metres
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Notes
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Project Location
Ottawa, ON

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Client/Project
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Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
2a

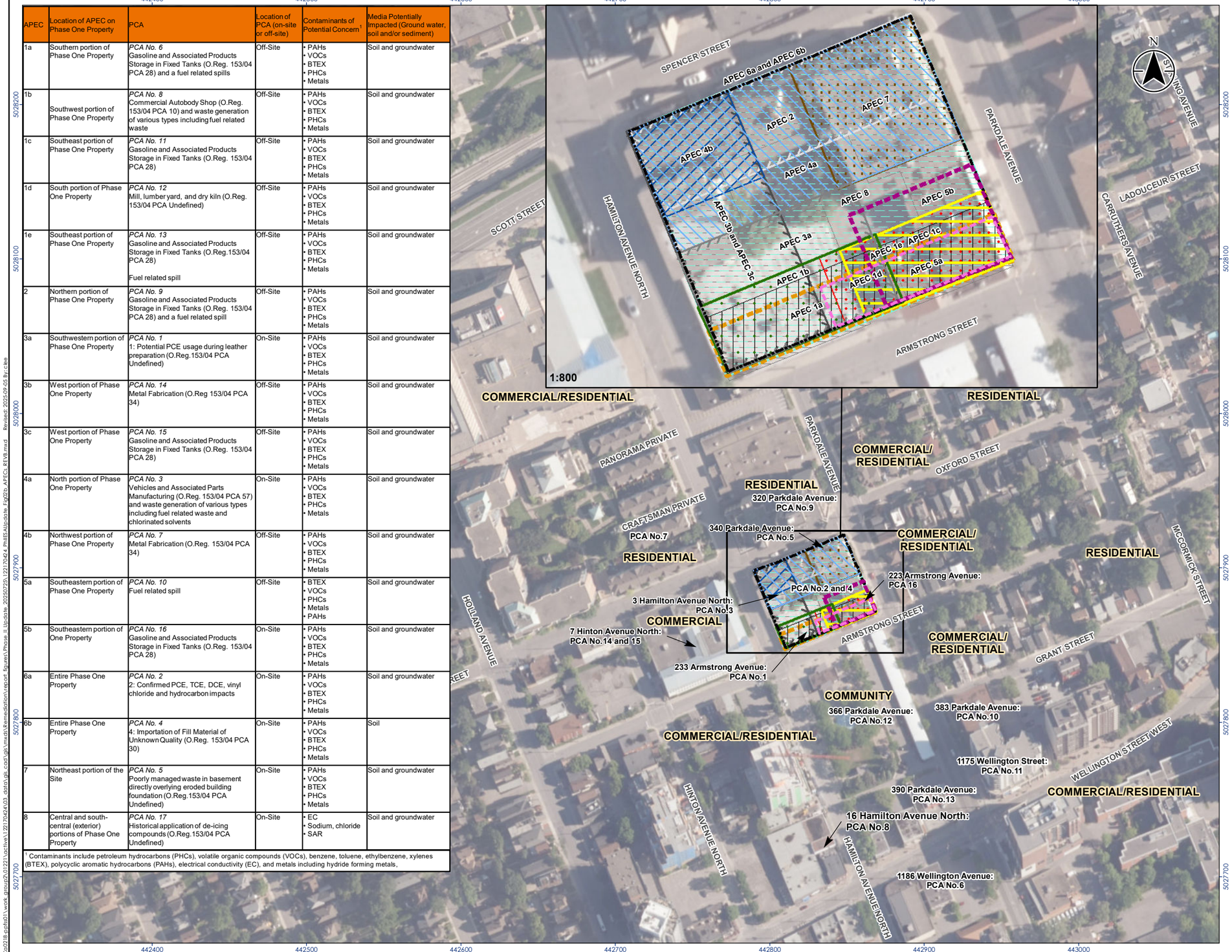
Title
Site Plan

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APEC	Location of APEC on Phase One Property	PCA	Location of PCA (on-site or off-site)	Contaminants of Potential Concern[1]	Media Potentially Impacted (Ground water, soil and/or sediment)
1a	Southern portion of Phase One Property	*PCA No. 6* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28) and a fuel related spills	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1b	Southwest portion of Phase One Property	*PCA No. 8* Commercial Autobody Shop (O.Reg. 153/04 PCA 10) and waste generation of various types including fuel related waste	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1c	Southeast portion of Phase One Property	*PCA No. 11* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1d	South portion of Phase One Property	*PCA No. 12* Mill, lumber yard, and dry kiln (O.Reg. 153/04 PCA Undefined)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
1e	Southeast portion of Phase One Property	*PCA No. 13* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg.153/04 PCA 28) Fuel related spill	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
2	Northern portion of Phase One Property	*PCA No. 9* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28) and a fuel related spill	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3a	Southwestern portion of Phase One Property	*PCA No. 1* 1: Potential PCE usage during leather preparation (O.Reg.153/04 PCA Undefined)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3b	West portion of Phase One Property	*PCA No. 14* Metal Fabrication (O.Reg 153/04 PCA 34)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
3c	West portion of Phase One Property	*PCA No. 15* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
4a	North portion of Phase One Property	*PCA No. 3* Vehicles and Associated Parts Manufacturing (O.Reg. 153/04 PCA 57) and waste generation of various types including fuel related waste and chlorinated solvents	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
4b	Northwest portion of Phase One Property	*PCA No. 7* Metal Fabrication (O.Reg. 153/04 PCA 34)	Off-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
5a	Southeastern portion of Phase One Property	*PCA No. 10* Fuel related spill	Off-Site	• BTEX • VOCs • PHCs • Metals • PAHs	Soil and groundwater
5b	Southeastern portion of One Property	*PCA No. 16* Gasoline and Associated Products Storage in Fixed Tanks (O.Reg. 153/04 PCA 28)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
6a	Entire Phase One Property	*PCA No. 2* 2: Confirmed PCE, TCE, DCE, vinyl chloride and hydrocarbon impacts	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
6b	Entire Phase One Property	*PCA No. 4* 4: Importation of Fill Material of Unknown Quality (O.Reg. 153/04 PCA 30)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil
7	Northeast portion of the Site	*PCA No. 5* Poorly managed waste in basement directly overlying eroded building foundation (O.Reg.153/04 PCA Undefined)	On-Site	• PAHs • VOCs • BTEX • PHCs • Metals	Soil and groundwater
8	Central and south-central (exterior) portions of Phase One Property	*PCA No. 17* Historical application of de-icing compounds (O.Reg.153/04 PCA Undefined)	On-Site	• EC • Sodium, chloride • SAR	Soil and groundwater

[1] Contaminants include petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), benzene, toluene, ethylbenzene, xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), electrical conductivity (EC), and metals including hydride forming metals,



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Legend

- APEC 1a
- APEC 1b
- APEC 1c
- APEC 1d
- APEC 1e
- APEC 2
- APEC 3a
- APEC 3b and APEC
- APEC 4a
- APEC 4b
- APEC 5a
- APEC 5b
- APEC 6a and APEC 6b (Entire Property)
- APEC 7
- APEC 8
- No Overburden, Bedrock Foundation

0 50 100 metres

1:2,500 (At original document size of 11x17)

Notes

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Project Location
Ottawa, ON

122170424 REVB
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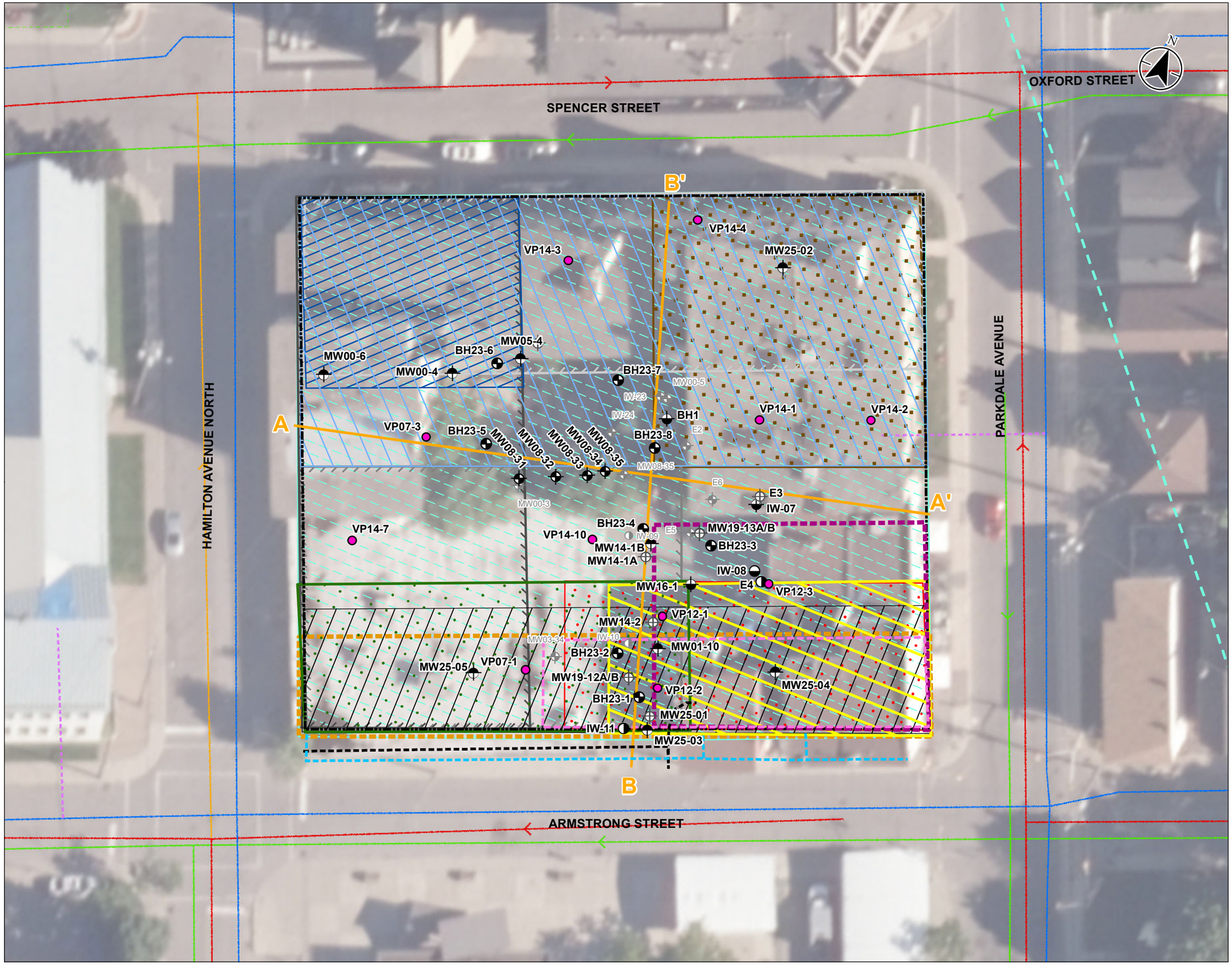
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Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
2b

Title
Areas of Potential Concern (APEC)

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Stantec

Legend

- Approximate Vapour Probe Location
- Borehole
- Shallow Monitoring Well
- Shallow/Intermediate Monitoring Well
- Intermediate Injection Well
- Intermediate Monitoring Well
- Deep Injection Well
- Deep Monitoring Well
- Approximate Intermediate Injection Well (Presumed Destroyed)
- Approximate Monitoring Well Location (Presumed Destroyed)
- Cross-Section Line
- Geological Fault
- Gas Line
- Water Line
- Public Water Main Line (City of Ottawa)
- Private Water Main Line (City of Ottawa)
- Public Sanitary Line (City of Ottawa)
- Public Storm Line (City of Ottawa)

- APEC 1a
- APEC 1b
- APEC 1c
- APEC 1d
- APEC 1e
- APEC 2
- APEC 3a
- APEC 3b and APEC 3c
- APEC 4a
- APEC 4b
- APEC 5a
- APEC 5b
- APEC 6a and APEC 6b (Entire Property)
- APEC 7
- APEC 8

IW - Injection Well
BH - Borehole
MW - Monitoring Well

0 10 20 metres
1:400 (At original document size of 11x17)

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Project Location
Ottawa, ON

122170424 REVE
Prepared by CL on 2025-09-12

Client/Project
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Supplemental Phase Two ESA
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Figure No.
2c

Title
Site Plan and Areas of Potential Concern (APEC)

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Stantec

Legend

- Shallow Monitoring Well
- Shallow/Intermediate
- Approximate Monitoring Well Location (Presumed Destroyed)
- Groundwater Contour (m ASL)
- Inferred Groundwater Flow Direction
- Approximate Site Boundary
- 61.87 Groundwater Elevation (m ASL)
- NC Not Calculable

IW - Injection Well
BH - Borehole
MW - Monitoring Well

*: Elevation not included in groundwater elevation contours due to likely anomalous nature.

0 10 20 metres
1:400 (At original document size of 11x17)

Notes

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4. m ASL - metres above mean sea level



Project Location
Ottawa, ON

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Prepared by CL on 2025-09-09

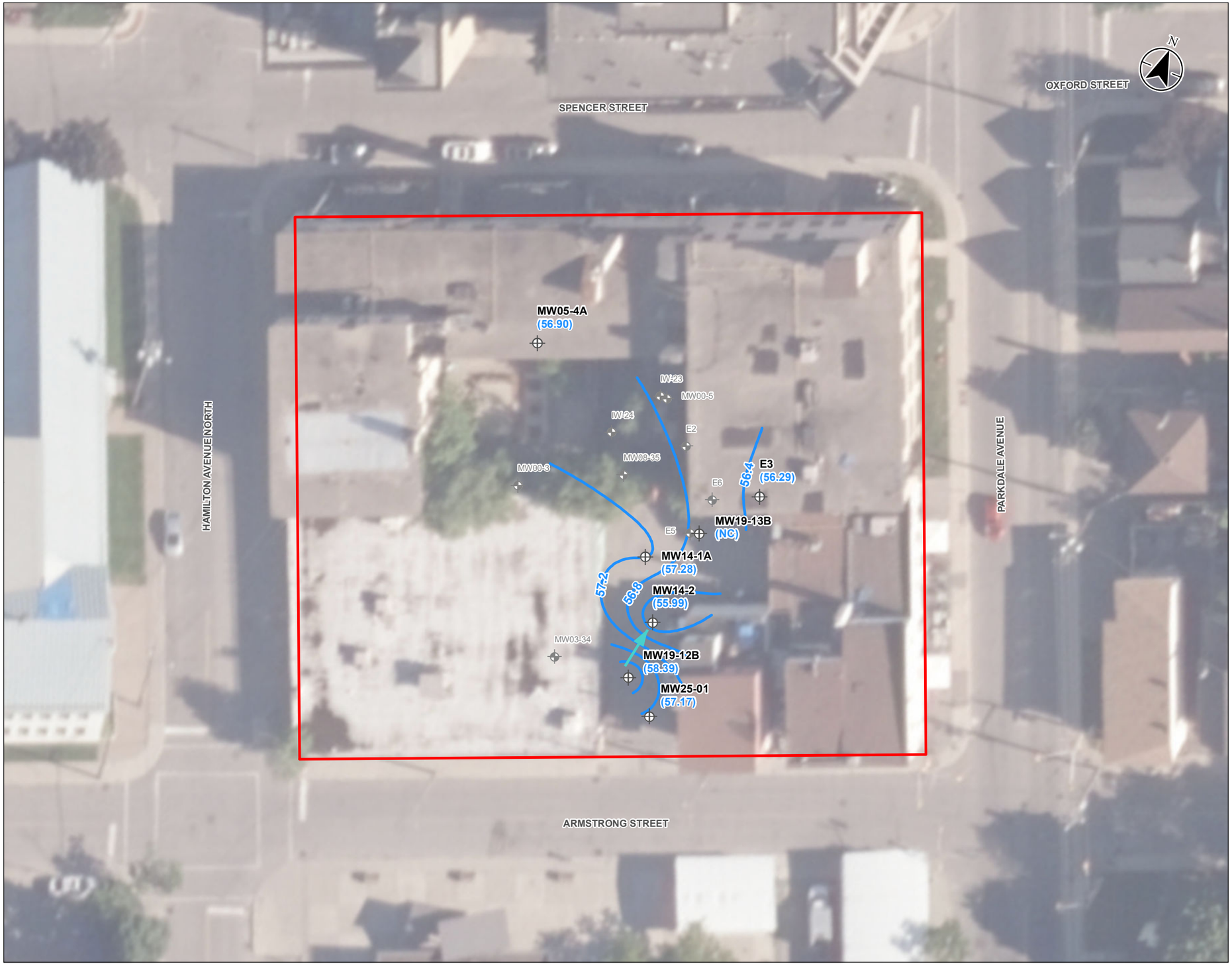
Client/Project
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Proposed Hintonburg Development

Figure No.
3a

Title
Groundwater Elevations Shallow Bedrock Interval – June 17 and 18, 2025

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Stantec

Legend

- Intermediate Monitoring Well
- Approximate Monitoring Well Location (Presumed Destroyed)
- Groundwater Contour (m ASL)
- Inferred Groundwater Flow Direction
- Approximate Site Boundary
- 61.87 Groundwater Elevation (m ASL)
- NC Not Calculable

IW - Injection Well
BH - Borehole
MW - Monitoring Well

0 10 20 metres
1:400 (At original document size of 11x17)

Notes

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4. m ASL - metres above mean sea level



Project Location
Ottawa, ON

122170424 REVD
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Supplemental Phase Two ESA
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Figure No.
3b

Title
Groundwater Elevations Intermediate Bedrock Interval – June 17 and 18, 2025

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Stantec

Legend

- Deep Monitoring Well
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- 61.87 Groundwater Elevation (m ASL)
- NC Not Calculable

IW - Injection Well
BH - Borehole
MW - Monitoring Well

0 10 20 metres
1:400 (At original document size of 11x17)

Notes

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4. m ASL - metres above mean sea level



Project Location
Ottawa, ON

122170424 REVD
Prepared by CL on 2025-09-09

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Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
3c

Title
Groundwater Elevations Deep Bedrock Interval – June 17 and 18, 2025

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Stantec

Legend

- Approximate Borehole Location
- Approximate Monitoring Well Location
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- One or More Soil Parameters Meet Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

IW - Injection Well
BH - Borehole
MW - Monitoring Well

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
PHC F3 (>C16-C34 range)	µg/g	300	1224

0 25 50 metres
1:1,000 (At original document size of 11x17)

Notes
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3. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
4. m BGS - metres below ground surface
7. PHCs - Petroleum Hydrocarbons
8. BTEX - Benzene, Toluene, Ethylbenzene, Xylenes.

Project Location
Ottawa, ON

122170424 REVE
Prepared by CL on 2025-09-15

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
4a

Title
Summary of Soil Analytical Results for PHCs and BTEX

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BH23-6	
	0.1 - 0.7 m 06/26/2023
Tetrachloroethene (PCE)	**0.55**

BH23-5	
	0.1 - 1.0 m 06/26/2023
Tetrachloroethene (PCE)	**0.60**

BH23-2	
	0.3 - 1.5 m 06/26/2023
Tetrachloroethene (PCE)	**3.94 / 3.92**
Trichloroethene (TCE)	**0.36 / 0.32**

BH23-8	
	0.1 - 1.0 m 06/26/2023
Tetrachloroethene (PCE)	**1.95**
Trichloroethene (TCE)	**0.08**

BH23-4	
	0.1 - 0.7 m 06/26/2023
Tetrachloroethene (PCE)	**0.90**
Trichloroethene (TCE)	**0.14**

BH23-3	
	0.1 - 0.4 m 06/26/2023
Tetrachloroethene (PCE)	**0.30**

MW25-04	
	0.46 - 1.04 m 05/27/2025
Tetrachloroethene (PCE)	**0.84**

BH23-1	
	0.3 - 1.2 m 06/26/2023
Tetrachloroethene (PCE)	**1.48**
Trichloroethene (TCE)	**0.31**

MW25-03		
	0.15 - 0.76 m 05/26/2025	0.76 - 1.37 m 05/26/2025
Tetrachloroethene (PCE)	**3.30**	**0.36**
Trichloroethene (TCE)	**0.20**	<0.05

Stantec

Legend

- Approximate Borehole Location
- Approximate Monitoring Well Location
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- One or More Soil Parameters Meet Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

IW - Injection Well
BH - Borehole
MW - Monitoring Well

Sample ID	Depth (m BGS)/ Date
BH23-2	
	0.3 - 1.5 m 06/26/2023
Tetrachloroethene (PCE)	**3.94 / 3.92**
Parameter	Parameters Exceed Table 7 SCS

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Tetrachloroethene(PCE)	µg/g	0.28	4.73
Trichloroethene(TCE)	µg/g	0.061	0.43

Note: Stantec Property Specific Standard for VOCs was not exceeded

0 25 50 metres
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Notes
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3. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
4. m BGS - metres below ground surface
7. VOCs - Volatile Organic Compounds

Project Location
Ottawa, ON

122170424 REVE
Prepared by CL on 2025-09-15

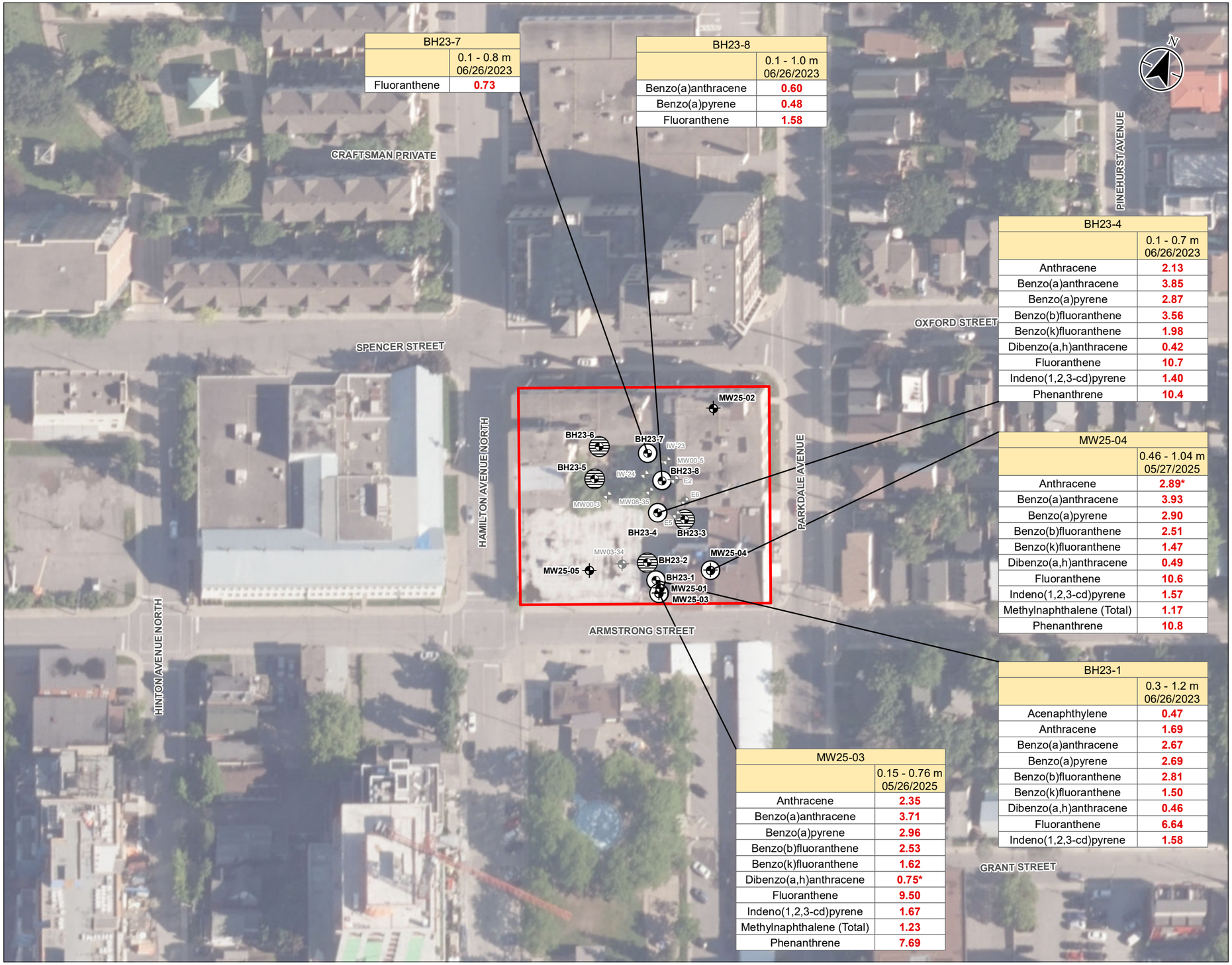
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
4b

Title
Summary of Soil Analytical Results for VOCs

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BH23-7	
	0.1 - 0.8 m 06/26/2023
Fluoranthene	0.73

BH23-8	
	0.1 - 1.0 m 06/26/2023
Benzo(a)anthracene	0.60
Benzo(a)pyrene	0.48
Fluoranthene	1.58

BH23-4	
	0.1 - 0.7 m 06/26/2023
Anthracene	2.13
Benzo(a)anthracene	3.85
Benzo(a)pyrene	2.87
Benzo(b)fluoranthene	3.56
Benzo(k)fluoranthene	1.98
Dibenzo(a,h)anthracene	0.42
Fluoranthene	10.7
Indeno(1,2,3-cd)pyrene	1.40
Phenanthrene	10.4

MW25-04	
	0.46 - 1.04 m 05/27/2025
Anthracene	2.89*
Benzo(a)anthracene	3.93
Benzo(a)pyrene	2.90
Benzo(b)fluoranthene	2.51
Benzo(k)fluoranthene	1.47
Dibenzo(a,h)anthracene	0.49
Fluoranthene	10.6
Indeno(1,2,3-cd)pyrene	1.57
Methylnaphthalene (Total)	1.17
Phenanthrene	10.8

BH23-1	
	0.3 - 1.2 m 06/26/2023
Acenaphthylene	0.47
Anthracene	1.69
Benzo(a)anthracene	2.67
Benzo(a)pyrene	2.69
Benzo(b)fluoranthene	2.81
Benzo(k)fluoranthene	1.50
Dibenzo(a,h)anthracene	0.46
Fluoranthene	6.64
Indeno(1,2,3-cd)pyrene	1.58

MW25-03	
	0.15 - 0.76 m 05/26/2025
Anthracene	2.35
Benzo(a)anthracene	3.71
Benzo(a)pyrene	2.96
Benzo(b)fluoranthene	2.53
Benzo(k)fluoranthene	1.62
Dibenzo(a,h)anthracene	0.75*
Fluoranthene	9.50
Indeno(1,2,3-cd)pyrene	1.67
Methylnaphthalene (Total)	1.23
Phenanthrene	7.69

Stantec

Legend

- Approximate Borehole Location
- Approximate Monitoring Well Location
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- One or More Soil Parameters Meet Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)
- * Soil Parameter Exceeds Stantec Property Specific Standard from Risk Assessment

IW - Injection Well
BH - Borehole
MW - Monitoring Well

Sample ID	Depth (m BGS)/ Date
BH23-8	
	0.1 - 1.0 m 06/26/2023
Benzo(a)anthracene	0.60
Parameter	Parameters Exceed Table 7 SCS

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Acenaphthylene	µg/g	0.15	0.56
Anthracene	µg/g	0.67	2.56
Benzo(a)anthracene	µg/g	0.5	4.62
Benzo(a)pyrene	µg/g	0.3	5.47
Benzo(b)fluoranthene	µg/g	0.78	4.27
Benzo(g,h,i)perylene	µg/g	6.6	-
Benzo(k)fluoranthene	µg/g	0.78	2.38
Dibenzo(a,h)anthracene	µg/g	0.1	0.55
Fluoranthene	µg/g	0.69	12.8
Indeno(1,2,3-cd)pyrene	µg/g	0.38	1.9
Phenanthrene	µg/g	6.2	12.5

0 25 50 metres
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Notes
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4. m BGS - metres below ground surface
7. PAHs - Polycyclic Aromatic hydrocarbons

Project Location
Ottawa, ON

122170424 REVE
Prepared by CL on 2025-09-15

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
4c

Title
Summary of Soil Analytical Results for PAHs

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Stantec

Legend

- Approximate Borehole Location
- Approximate Monitoring Well Location
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- One or More Soil Parameters Meet Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)
- * Soil Parameter Exceeds Stantec Property Specific Standard from Risk Assessment

IW - Injection Well
BH - Borehole
MW - Monitoring Well

Sample ID	Depth (m BGS)/ Date
BH23-7	
	0.1 - 0.8 m 06/26/2023
Cadmium	2.0
Parameter	Parameters Exceed Table 7 SCS

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Boron (Available)	µg/g	1.5	-
Cadmium	µg/g	1.2	2.4
Lead	µg/g	120	245
Thallium	µg/g	1	2.76

0 25 50 metres
1:1,000 (At original document size of 11x17)

Notes
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4. m BGS - metres below ground surface

Project Location
Ottawa, ON

122170424 REVE
Prepared by CL on 2025-09-15

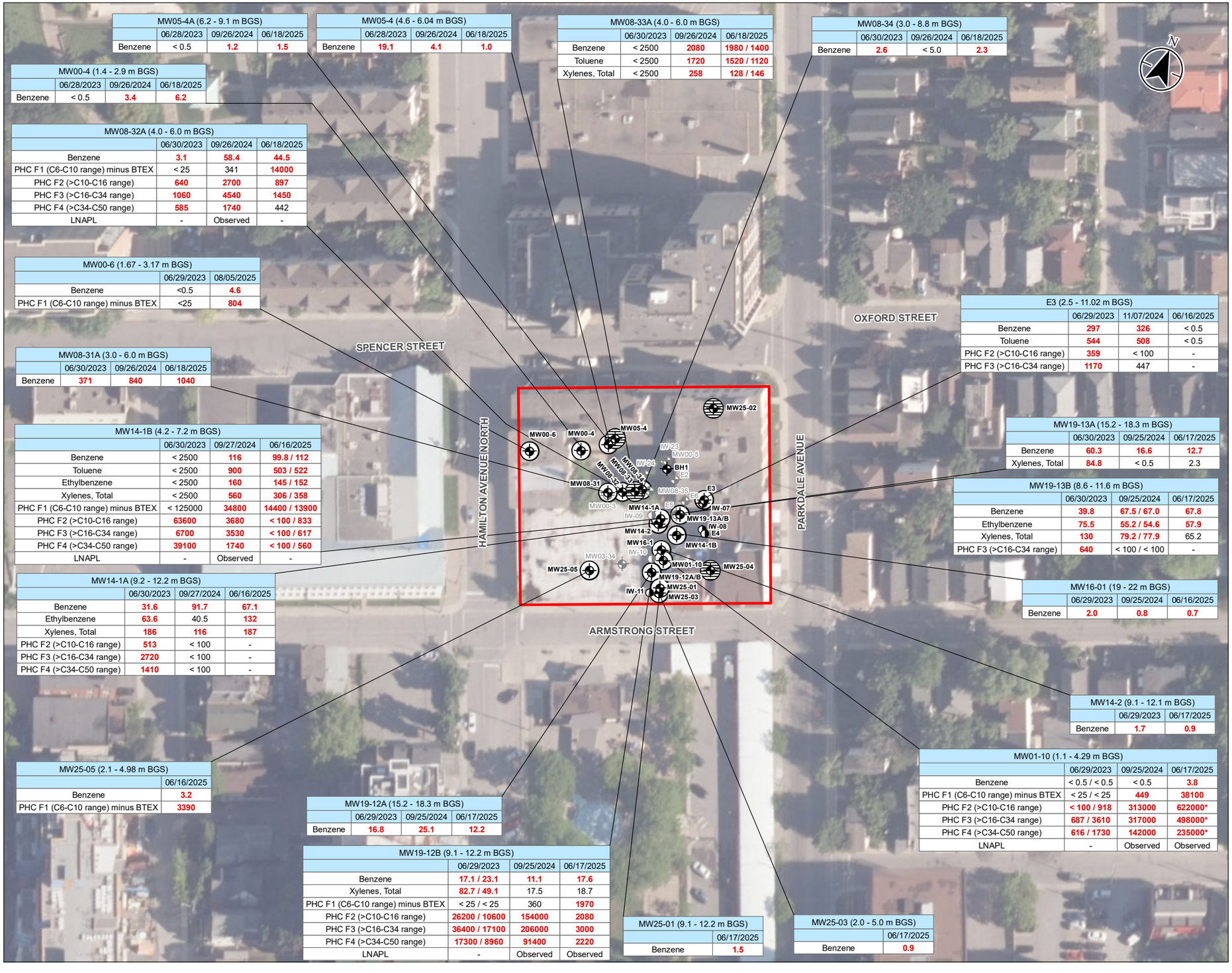
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
4d

Title
Summary of Soil Analytical Results for Metals

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MW05-4A (6.2 - 9.1 m BGS)			
	06/28/2023	09/26/2024	06/18/2025
Benzene	< 0.5	1.2	1.5

MW05-4 (4.6 - 6.04 m BGS)			
	06/28/2023	09/26/2024	06/18/2025
Benzene	19.1	4.1	1.0

MW08-33A (4.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Benzene	< 2500	2080	1980 / 1400
Toluene	< 2500	1720	1520 / 1120
Xylenes, Total	< 2500	258	128 / 146

MW08-34 (3.0 - 8.8 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Benzene	2.6	< 5.0	2.3

MW00-4 (1.4 - 2.9 m BGS)			
	06/28/2023	09/26/2024	06/18/2025
Benzene	< 0.5	3.4	6.2

MW08-32A (4.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Benzene	3.1	58.4	44.5
PHC F1 (C6-C10 range) minus BTEX	< 25	341	14000
PHC F2 (>C10-C16 range)	640	2700	897
PHC F3 (>C16-C34 range)	1060	4540	1450
PHC F4 (>C34-C50 range)	585	1740	442
LNAPL	-	Observed	-

MW00-6 (1.67 - 3.17 m BGS)		
	06/29/2023	08/05/2025
Benzene	<0.5	4.6
PHC F1 (C6-C10 range) minus BTEX	<25	804

E3 (2.5 - 11.02 m BGS)			
	06/29/2023	11/07/2024	06/16/2025
Benzene	297	326	< 0.5
Toluene	544	508	< 0.5
PHC F2 (>C10-C16 range)	359	< 100	-
PHC F3 (>C16-C34 range)	1170	447	-

MW08-31A (3.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Benzene	371	840	1040

MW19-13A (15.2 - 18.3 m BGS)			
	06/30/2023	09/25/2024	06/17/2025
Benzene	60.3	16.6	12.7
Xylenes, Total	84.8	< 0.5	2.3

MW14-1B (4.2 - 7.2 m BGS)			
	06/30/2023	09/27/2024	06/16/2025
Benzene	< 2500	116	99.8 / 112
Toluene	< 2500	900	503 / 522
Ethylbenzene	< 2500	160	145 / 152
Xylenes, Total	< 2500	560	306 / 358
PHC F1 (C6-C10 range) minus BTEX	< 125000	34800	14400 / 13900
PHC F2 (>C10-C16 range)	63600	3680	< 100 / 833
PHC F3 (>C16-C34 range)	6700	3530	< 100 / 617
PHC F4 (>C34-C50 range)	39100	1740	< 100 / 560
LNAPL	-	Observed	-

MW19-13B (8.6 - 11.6 m BGS)			
	06/30/2023	09/25/2024	06/17/2025
Benzene	39.8	67.5 / 67.0	67.8
Ethylbenzene	75.5	55.2 / 54.6	57.9
Xylenes, Total	130	79.2 / 77.9	65.2
PHC F3 (>C16-C34 range)	640	< 100 / < 100	-

MW14-1A (9.2 - 12.2 m BGS)			
	06/30/2023	09/27/2024	06/16/2025
Benzene	31.6	91.7	67.1
Ethylbenzene	63.6	40.5	132
Xylenes, Total	186	116	187
PHC F2 (>C10-C16 range)	513	< 100	-
PHC F3 (>C16-C34 range)	2720	< 100	-
PHC F4 (>C34-C50 range)	1410	< 100	-

MW16-01 (19 - 22 m BGS)			
	06/29/2023	09/25/2024	06/16/2025
Benzene	2.0	0.8	0.7

MW14-2 (9.1 - 12.1 m BGS)		
	06/29/2023	06/17/2025
Benzene	1.7	0.9

MW25-05 (2.1 - 4.98 m BGS)	
	06/16/2025
Benzene	3.2
PHC F1 (C6-C10 range) minus BTEX	3390

MW01-10 (1.1 - 4.29 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Benzene	< 0.5 / < 0.5	< 0.5	3.8
PHC F1 (C6-C10 range) minus BTEX	< 25 / < 25	449	38100
PHC F2 (>C10-C16 range)	< 100 / 918	313000	622000*
PHC F3 (>C16-C34 range)	687 / 3610	317000	498000*
PHC F4 (>C34-C50 range)	616 / 1730	142000	235000*
LNAPL	-	Observed	Observed

MW19-12A (15.2 - 18.3 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Benzene	16.8	25.1	12.2

MW19-12B (9.1 - 12.2 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Benzene	17.1 / 23.1	11.1	17.6
Xylenes, Total	82.7 / 49.1	17.5	18.7
PHC F1 (C6-C10 range) minus BTEX	< 25 / < 25	360	1970
PHC F2 (>C10-C16 range)	26200 / 10600	154000	2080
PHC F3 (>C16-C34 range)	36400 / 17100	206000	3000
PHC F4 (>C34-C50 range)	17300 / 8960	91400	2220
LNAPL	-	Observed	Observed

MW25-01 (9.1 - 12.2 m BGS)	
	06/17/2025
Benzene	1.5

MW25-03 (2.0 - 5.0 m BGS)	
	06/17/2025
Benzene	0.9

Stantec

Legend

- Approximate Injection Well
- Approximate Monitoring Well Location
- Approximate Injection Well (Presumed Destroyed)
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Groundwater Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)
- * Groundwater Parameter Exceeds Stantec Property Specific Standard from Risk Assessment

IW - Injection Well
BH - Borehole
MW - Monitoring Well

Sample ID (Screen Interval) — Date

MW01-10 (1.1 - 4.29 m BGS)	
	06/29/2023
PHC F2 (>C10-C16 range)	<100 / **918**

Parameter — Parameters Exceed Table 7 SCS

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Benzene	µg/L	0.5	2496
Toluene	µg/L	320	2064
Ethylbenzene	µg/L	54	192
Xylenes, Total	µg/L	72	672
PHC F1 (C6-C10 range) minus BTEX	µg/L	420	41760
PHC F2 (>C10-C16 range)	µg/L	150	375600
PHC F3 (>C16-C34 range)	µg/L	500	380400
PHC F4 (>C34-C50 range)	µg/L	500	170400

0 — 25 — 50 metres

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Notes

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3. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
4. m BGS - metres below ground surface
7. PHCs - Petroleum Hydrocarbons
8. BTEX - Benzene, Toluene, Ethylbenzene, Xylenes.

Project Location
Ottawa, ON

122170424 REVD
Prepared by CL on 2025-09-12

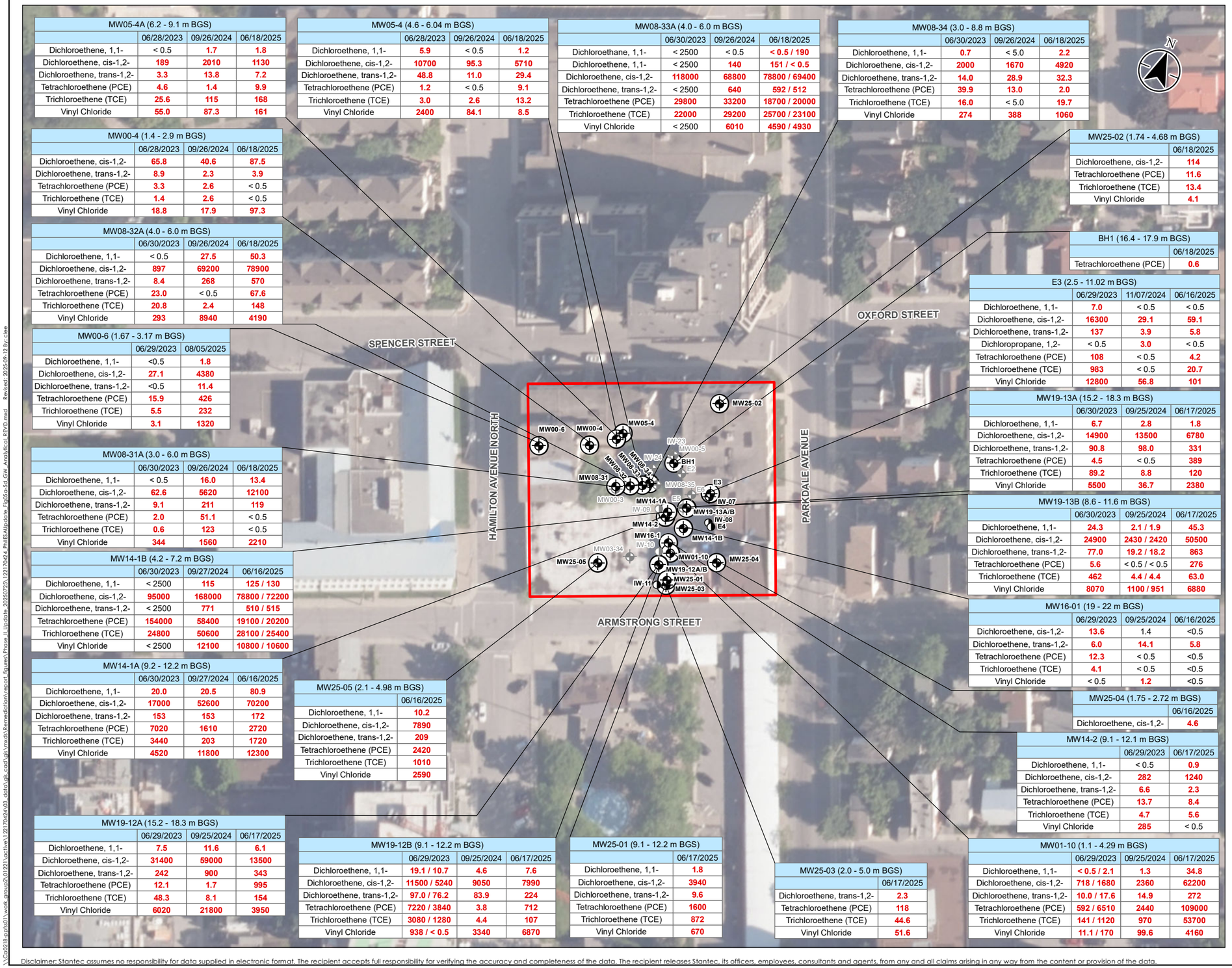
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
5a

Title
Summary of Groundwater Analytical Results for PHCs and BTEX

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MW05-4A (6.2 - 9.1 m BGS)			
	06/28/2023	09/26/2024	06/18/2025
Dichloroethene, 1,1-	< 0.5	1.7	1.8
Dichloroethene, cis-1,2-	189	2010	1130
Dichloroethene, trans-1,2-	3.3	13.8	7.2
Tetrachloroethene (PCE)	4.6	1.4	9.9
Trichloroethene (TCE)	25.6	115	168
Vinyl Chloride	55.0	87.3	161

MW05-4 (4.6 - 6.04 m BGS)			
	06/28/2023	09/26/2024	06/18/2025
Dichloroethene, 1,1-	5.9	< 0.5	1.2
Dichloroethene, cis-1,2-	10700	95.3	5710
Dichloroethene, trans-1,2-	48.8	11.0	29.4
Tetrachloroethene (PCE)	1.2	< 0.5	9.1
Trichloroethene (TCE)	3.0	2.6	13.2
Vinyl Chloride	2400	84.1	8.5

MW08-33A (4.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Dichloroethane, 1,1-	< 2500	< 0.5	< 0.5 / 190
Dichloroethene, 1,1-	< 2500	140	151 / < 0.5
Dichloroethene, cis-1,2-	118000	68800	78800 / 69400
Dichloroethene, trans-1,2-	< 2500	640	592 / 512
Tetrachloroethene (PCE)	29800	33200	18700 / 20000
Trichloroethene (TCE)	22000	29200	25700 / 23100
Vinyl Chloride	< 2500	6010	4590 / 4930

MW08-34 (3.0 - 8.8 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Dichloroethene, 1,1-	0.7	< 5.0	2.2
Dichloroethene, cis-1,2-	2000	1670	4920
Dichloroethene, trans-1,2-	14.0	28.9	32.3
Tetrachloroethene (PCE)	39.9	13.0	2.0
Trichloroethene (TCE)	16.0	< 5.0	19.7
Vinyl Chloride	274	388	1060

MW00-4 (1.4 - 2.9 m BGS)			
	06/28/2023	09/26/2024	06/18/2025
Dichloroethene, cis-1,2-	65.8	40.6	87.5
Dichloroethene, trans-1,2-	8.9	2.3	3.9
Tetrachloroethene (PCE)	3.3	2.6	< 0.5
Trichloroethene (TCE)	1.4	2.6	< 0.5
Vinyl Chloride	18.8	17.9	97.3

MW25-02 (1.74 - 4.68 m BGS)	
	06/18/2025
Dichloroethene, cis-1,2-	114
Tetrachloroethene (PCE)	11.6
Trichloroethene (TCE)	13.4
Vinyl Chloride	4.1

MW08-32A (4.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Dichloroethene, 1,1-	< 0.5	27.5	50.3
Dichloroethene, cis-1,2-	897	69200	78900
Dichloroethene, trans-1,2-	8.4	268	570
Tetrachloroethene (PCE)	23.0	< 0.5	67.6
Trichloroethene (TCE)	20.8	2.4	148
Vinyl Chloride	293	8940	4190

BH1 (16.4 - 17.9 m BGS)	
	06/18/2025
Tetrachloroethene (PCE)	0.6

E3 (2.5 - 11.02 m BGS)			
	06/29/2023	11/07/2024	06/16/2025
Dichloroethene, 1,1-	7.0	< 0.5	< 0.5
Dichloroethene, cis-1,2-	16300	29.1	59.1
Dichloroethene, trans-1,2-	137	3.9	5.8
Dichloropropane, 1,2-	< 0.5	3.0	< 0.5
Tetrachloroethene (PCE)	108	< 0.5	4.2
Trichloroethene (TCE)	983	< 0.5	20.7
Vinyl Chloride	12800	56.8	101

MW00-6 (1.67 - 3.17 m BGS)		
	06/29/2023	08/05/2025
Dichloroethene, 1,1-	<0.5	1.8
Dichloroethene, cis-1,2-	27.1	4380
Dichloroethene, trans-1,2-	<0.5	11.4
Tetrachloroethene (PCE)	15.9	426
Trichloroethene (TCE)	5.5	232
Vinyl Chloride	3.1	1320

MW19-13A (15.2 - 18.3 m BGS)			
	06/30/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	6.7	2.8	1.8
Dichloroethene, cis-1,2-	14900	13500	6780
Dichloroethene, trans-1,2-	90.8	98.0	331
Tetrachloroethene (PCE)	4.5	< 0.5	389
Trichloroethene (TCE)	89.2	8.8	120
Vinyl Chloride	5500	36.7	2380

MW08-31A (3.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Dichloroethene, 1,1-	< 0.5	16.0	13.4
Dichloroethene, cis-1,2-	62.6	5620	12100
Dichloroethene, trans-1,2-	9.1	211	119
Tetrachloroethene (PCE)	2.0	51.1	< 0.5
Trichloroethene (TCE)	0.6	123	< 0.5
Vinyl Chloride	344	1560	2210

MW19-13B (8.6 - 11.6 m BGS)			
	06/30/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	24.3	2.1 / 1.9	45.3
Dichloroethene, cis-1,2-	24900	2430 / 2420	50500
Dichloroethene, trans-1,2-	77.0	19.2 / 18.2	863
Tetrachloroethene (PCE)	5.6	< 0.5 / < 0.5	276
Trichloroethene (TCE)	462	4.4 / 4.4	63.0
Vinyl Chloride	8070	1100 / 951	6880

MW14-1B (4.2 - 7.2 m BGS)			
	06/30/2023	09/27/2024	06/16/2025
Dichloroethene, 1,1-	< 2500	115	125 / 130
Dichloroethene, cis-1,2-	95000	168000	78800 / 72200
Dichloroethene, trans-1,2-	< 2500	771	510 / 515
Tetrachloroethene (PCE)	154000	58400	19100 / 20200
Trichloroethene (TCE)	24800	50600	28100 / 25400
Vinyl Chloride	< 2500	12100	10800 / 10600

MW16-01 (19 - 22 m BGS)			
	06/29/2023	09/25/2024	06/16/2025
Dichloroethene, cis-1,2-	13.6	1.4	<0.5
Dichloroethene, trans-1,2-	6.0	14.1	5.8
Tetrachloroethene (PCE)	12.3	< 0.5	<0.5
Trichloroethene (TCE)	4.1	< 0.5	<0.5
Vinyl Chloride	< 0.5	1.2	<0.5

MW14-1A (9.2 - 12.2 m BGS)			
	06/30/2023	09/27/2024	06/16/2025
Dichloroethene, 1,1-	20.0	20.5	80.9
Dichloroethene, cis-1,2-	17000	52600	70200
Dichloroethene, trans-1,2-	153	153	172
Tetrachloroethene (PCE)	7020	1610	2720
Trichloroethene (TCE)	3440	203	1720
Vinyl Chloride	4520	11800	12300

MW25-04 (1.75 - 2.72 m BGS)	
	06/16/2025
Dichloroethene, cis-1,2-	4.6

MW14-2 (9.1 - 12.1 m BGS)		
	06/29/2023	06/17/2025
Dichloroethene, 1,1-	< 0.5	0.9
Dichloroethene, cis-1,2-	282	1240
Dichloroethene, trans-1,2-	6.6	2.3
Tetrachloroethene (PCE)	13.7	8.4
Trichloroethene (TCE)	4.7	5.6
Vinyl Chloride	285	< 0.5

MW25-05 (2.1 - 4.98 m BGS)	
	06/16/2025
Dichloroethene, 1,1-	10.2
Dichloroethene, cis-1,2-	7890
Dichloroethene, trans-1,2-	209
Tetrachloroethene (PCE)	2420
Trichloroethene (TCE)	1010
Vinyl Chloride	2590

MW19-12A (15.2 - 18.3 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	7.5	11.6	6.1
Dichloroethene, cis-1,2-	31400	59000	13500
Dichloroethene, trans-1,2-	242	900	343
Tetrachloroethene (PCE)	12.1	1.7	995
Trichloroethene (TCE)	48.3	8.1	154
Vinyl Chloride	6020	21800	3950

MW19-12B (9.1 - 12.2 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	19.1 / 10.7	4.6	7.6
Dichloroethene, cis-1,2-	11500 / 5240	9050	7990
Dichloroethene, trans-1,2-	97.0 / 76.2	83.9	224
Tetrachloroethene (PCE)	7220 / 3840	3.8	712
Trichloroethene (TCE)	3080 / 1280	4.4	107
Vinyl Chloride	938 / < 0.5	3340	6870

MW25-01 (9.1 - 12.2 m BGS)	
	06/17/2025
Dichloroethene, 1,1-	1.8
Dichloroethene, cis-1,2-	3940
Dichloroethene, trans-1,2-	9.6
Tetrachloroethene (PCE)	1600
Trichloroethene (TCE)	872
Vinyl Chloride	670

MW25-03 (2.0 - 5.0 m BGS)	
	06/17/2025
Dichloroethene, trans-1,2-	2.3
Tetrachloroethene (PCE)	118
Trichloroethene (TCE)	44.6
Vinyl Chloride	51.6

MW01-10 (1.1 - 4.29 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	< 0.5 / 2.1	1.3	34.8
Dichloroethene, cis-1,2-	718 / 1680	2360	62200
Dichloroethene, trans-1,2-	10.0 / 17.6	14.9	272
Tetrachloroethene (PCE)	592 / 6510	2440	109000
Trichloroethene (TCE)	141 / 1120	970	53700
Vinyl Chloride	11.1 / 170	99.6	4160

Stantec

Legend

- Approximate Injection Well
- Approximate Monitoring Well Location
- Approximate Injection Well (Presumed Destroyed)
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- One or More Groundwater Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

IW - Injection Well
BH - Borehole
MW - Monitoring Well

Sample ID (Screen Interval) / Date

MW19-12B (9.1 - 12.2 m BGS)	
	06/29/2023
Dichloroethene, 1,1-	19.1 / 10.7

Parameter / Parameters Exceed Table 7 SCS

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Dichloroethene, 1,1-	µg/L	0.5	168
Dichloroethene, cis-1,2-	µg/L	1.6	468000
Dichloroethene, trans-1,2-	µg/L	1.6	1080
Tetrachloroethane, 1,1,2,2-	µg/L	0.5	6
Tetrachloroethene(PCE)	µg/L	0.5	552000
Trichloroethene(TCE)	µg/L	0.5	117600
Vinyl Chloride	µg/L	0.5	181085

Note: Stantec Property Specific Standard for VOCs was not exceeded

0 25 50 metres
1:1,000 (At original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 UTM Zone 18N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2023.
3. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
4. m BGS - metres below ground surface
7. VOCs - Volatile Organic Compounds

Project Location
Ottawa, ON

122170424 REVD
Prepared by CL on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
5b

Title
Summary of Groundwater Analytical Results for VOCs

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MW14-1B (4.2 - 7.2 m BGS)		
	06/30/2023	06/16/2025
Anthracene	**2.72**	< 0.20 / 0.03
Benzo(a)pyrene	**0.86**	< 0.20 / 0.04
Benzo(g,h,i)perylene	**1.03**	< 1.00 / < 0.05
Naphthalene	**21.0**	**7.39 / 4.74**

MW19-12B (9.1 - 12.2 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Anthracene	< 1.00 / < 0.20	**2.55**	0.23
Benzo(a)pyrene	< 1.00 / < 0.20	**1.44**	0.33
Benzo(b)fluoranthene	< 5.00 / < 1.00	**1.09**	< 0.50
Benzo(g,h,i)perylene	**13.3 / 3.63**	**1.53**	< 0.50
Chrysene	< 5.00 / < 1.00	**1.79**	**0.82**
Indeno(1,2,3-cd)pyrene	**8.52 / 2.28**	**1.01**	< 0.50

MW14-2 (9.1 - 12.1 m BGS)	
	06/29/2023
Benzo(a)pyrene	**0.98**
Benzo(b)fluoranthene	**1.56**
Benzo(g,h,i)perylene	**1.48**
Benzo(k)fluoranthene	**0.64**
Chrysene	**0.99**
Indeno(1,2,3-cd)pyrene	**0.85**

MW01-10 (1.1 - 4.29 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Anthracene	< 0.20 / < 0.20	**5.57**	**20.2***
Benzo(a)anthracene	**3.64 / 5.38**	**8.31**	**53.9***
Benzo(a)pyrene	< 0.20 / < 0.20	**6.74**	**41.6***
Benzo(b)fluoranthene	**< 1.00 / 5.08**	**6.69**	**65.7***
Benzo(g,h,i)perylene	**2.82 / 2.87**	**3.44**	< 25.0
Benzo(k)fluoranthene	**< 1.00 / 1.84**	**4.05**	**27.2***
Chrysene	**3.31 / 5.05**	**7.10**	**82.4***
Fluoranthene	7.64 / 13.7	21.2	**165**
Indeno(1,2,3-cd)pyrene	**2.11 / 2.60**	**3.39**	**35.7***
Naphthalene	**< 1.00 / 35.6**	**126**	< 25.0
Pyrene	**6.07 / 10.6**	**15.5**	**118**

Stantec

Legend

- Approximate Injection Well
- Approximate Monitoring Well Location
- Approximate Injection Well (Presumed Destroyed)
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Groundwater Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)
- * Groundwater Parameter Exceeds Stantec Property Specific Standard from Risk Assessment

IW - Injection Well
BH - Borehole
MW - Monitoring Well

Sample ID (Screen Interval) / Date

MW19-12B (9.1 - 12.2 m BGS)	
	06/29/2023
Benzo(g,h,i)perylene	**13.3 / 3.63**

Parameter / Parameters Exceed Table 7 SCS

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Anthracene	µg/L	1	6.68
Benzo(a)anthracene	µg/L	1.8	9.97
Benzo(a)pyrene	µg/L	0.81	12.47
Benzo(b)fluoranthene	µg/L	0.75	8.03
Benzo(g,h,i)perylene	µg/L	0.2	16
Benzo(k)fluoranthene	µg/L	0.4	6
Chrysene	µg/L	0.7	8.52
Fluoranthene	µg/L	44	-
Indeno(1,2,3-cd)pyrene	µg/L	0.2	10.2
Naphthalene	µg/L	7	151
Pyrene	µg/L	5.7	-

0 25 50 metres
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Notes
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3. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
4. m BGS - metres below ground surface
7. PAHs - Polycyclic Aromatic hydrocarbons

Project Location
Ottawa, ON

122170424 REVD
Prepared by CL on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
5c

Title
Summary of Groundwater Analytical Results for PAHs

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Stantec

Legend

- Approximate Injection Well
- Approximate Monitoring Well Location
- Approximate Injection Well (Presumed Destroyed)
- Approximate Monitoring Well Location (Presumed Destroyed)
- Approximate Site Boundary
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)

IW - Injection Well
BH - Borehole
MW - Monitoring Well

0 25 50 metres
1:1,000 (At original document size of 11x17)

Notes
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4. m BGS - metres below ground surface

Project Location
Ottawa, ON

122170424 REVD
Prepared by CL on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
5d

Title
Summary of Groundwater Analytical Results for Metals

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Stantec

Legend

- Approximate Site Boundary
- Approximate Vapour Probe Location
- Vapour Probe Parameters Tested Met Adjusted HBIAC

0 25 50 metres

1:1,000 (At original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 UTM Zone 18N
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3. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
4. HIBIAC Stantec - Golder/WSP HBIACs; Site specific criteria based on industrial HBIAC/a, where alpha is 0.004. Soil Vapour Criteria derived from HBIAC - Commercial Land use.

Project Location
Ottawa, ON

122170424 REVB
Prepared by CL on 2025-09-07

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
6a

Title
Summary of Soil Vapour Analytical Results for PHCs and BTEX

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VP14-3			
	06/22/2023	10/09/2024	06/26/2025
Tetrachloroethene (PCE)	**12200 / 13500**	22.6	68.6
Trichloroethene (TCE)	**1640 / 1750**	10.4	26.5

VP14-10			
	06/21/2023	10/09/2024	06/18/2025
Tetrachloroethene (PCE)	1720	**7490**	54.3
Trichloroethene (TCE)	**1420**	**3270**	**936**

VP12-3			
	06/21/2023	10/09/2024	06/17/2025
Trichloroethene (TCE)	**582 / 676**	7.53 / 7.44	79.8

VP12-1			
	06/21/2023	10/09/2024	06/17/2025
Trichloroethene (TCE)	**309**	201	25.6

VP12-2			
	06/21/2023	10/09/2024	06/17/2025
Tetrachloroethene (PCE)	16.1	**13900**	< 0.68 / < 0.68
Trichloroethene (TCE)	8.5	**11800**	113 / 130

Stantec

Legend

- Approximate Site Boundary
- Approximate Vapour Probe Location
- Vapour Probe Parameters Tested Met Adjusted HBIAC
- One or More Vapour Probe Parameters Exceed Adjusted HBIAC

Sample ID / Date

VP14-3	
	06/21/2023
Tetrachloroethene (PCE)	**12200 / 13500**

Parameters / Parameters Exceed HIBIAC Stantec

Soil Vapour Criteria		
Parameter	Value	Units
Tetrachloroethene (PCE)	3,438	µg/m3
Trichloroethene (TCE)	218	µg/m3

0 25 50 metres

1:1,000 (At original document size of 11x17)

Notes

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3. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
4. HIBIAC Stantec - Golder/WSP HBIACs: Site specific criteria based on industrial HBIAC/a, where alpha is 0.004. Soil Vapour Criteria derived from HBIAC - Commercial Land use.

Project Location
Ottawa, ON

122170424 REVD
Prepared by CL on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
6b

Title
Summary of Soil Vapour Analytical Results for VOCs

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A
WEST

A'
EAST

3 Hamilton Avenue

340 Parkdale Avenue/223 Armstrong Street

Hamilton Avenue Right of Way

Parkdale Avenue Right of Way

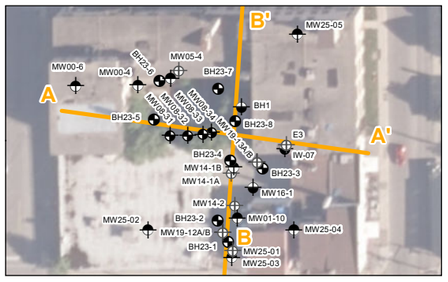
COURTYARD

BH23-5 (OS - 0.1 m)
MW08-31 (OS - 0.8 m)
MW08-32 (OS - 0.1 m)
MW08-33 (OS - 0.5 m)
MW08-34 (OS - 1.0 m)
BH23-7 (OS - 9.0 m)
BH23-4 (OS - 5.4 m)
MW19-13A/B (OS - 5.2 m)
BH23-3 (OS - 6.1 m)
E3 (OS - 0.6 m)

Riverstone
Granullar A (Fill)
Riverstone
Gravel
Limestone
Gravel
Limestone
Gravel
Limestone
Riverstone
Granullar A (Fill)
Concrete
Limestone
Asphalt
Sand and Gravel (Fill)
Gravel
Limestone
Asphalt
Sand and Gravel (Fill)
Overburden
Limestone

Elevation (mAMSL)

75
70
65
60
55
50
45



MW1-15 (OS m)
Sand
Stratigraphy

Well ID
(os - offset)

Legend
- Building
- Overburden
- Bedrock
- Soil Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Notes

1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
4. PHCs - Petroleum Hydrocarbons
5. BTEX - Benzene, Toluene, Ethylbenzene, Xylenes.

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Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-15

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
7a

Title
Cross Section A-A¹: Soil Analytical Results for PHCs and BTEX

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A
WEST

A'
EAST

3 Hamilton Avenue

340 Parkdale Avenue/223 Armstrong Street

Hamilton Avenue Right of Way

Parkdale Avenue Right of Way

COURTYARD

BH23-5 (OS - 0.1 m)
MW08-31 (OS - 0.8 m)
MW08-32 (OS - 0.1 m)
MW08-33 (OS - 0.5 m)
MW08-34 (OS - 1.0 m)
BH23-7 (OS - 9.0 m)
BH23-4 (OS - 5.4 m)
MW19-13A/B (OS - 5.2 m)
BH23-3 (OS - 6.1 m)
E3 (OS - 0.6 m)

Riverstone
Granullar A (Fill)
Riverstone
Gravel
Limestone
Gravel
Limestone
Gravel
Limestone
Riverstone
Granullar A (Fill)
Concrete
Limestone
Asphalt
Sand and Gravel (Fill)
Gravel
Limestone
Asphalt
Sand and Gravel (Fill)
Overburden
Limestone

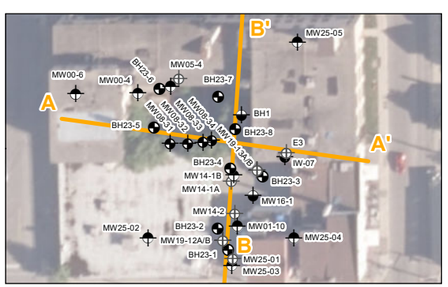
BH23-5	
	0.1 - 1.0 m 06/26/2023
Tetrachloroethene (PCE)	**0.60**

BH23-4	
	0.1 - 0.7 m 06/26/2023
Tetrachloroethene (PCE)	**0.90**
Trichloroethene (TCE)	**0.14**

BH23-3	
	0.1 - 0.4 m 06/26/2023
Tetrachloroethene (PCE)	**0.30**

Elevation (mAMSL)

75 70 65 60 55 50 45



MW1-15 (OS m)
Well ID (os - offset)

Sand
Stratigraphy

Legend
- Building
- Overburden
- Bedrock
- Soil Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

Sample ID — Depth (m BGS)/ Date

BH23-2	
	0.3 - 1.5 m 06/26/2023
Tetrachloroethene (PCE)	**3.94 / 3.92**

Parameter — Parameters Exceed Table 7 SCS

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Tetrachloroethene(PCE)	µg/g	0.28	4.73
Trichloroethene(TCE)	µg/g	0.061	0.43

Note: Stantec Property Specific Standard for VOCs was not exceeded

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
4. VOCs - Volatile Organic Compounds

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-15

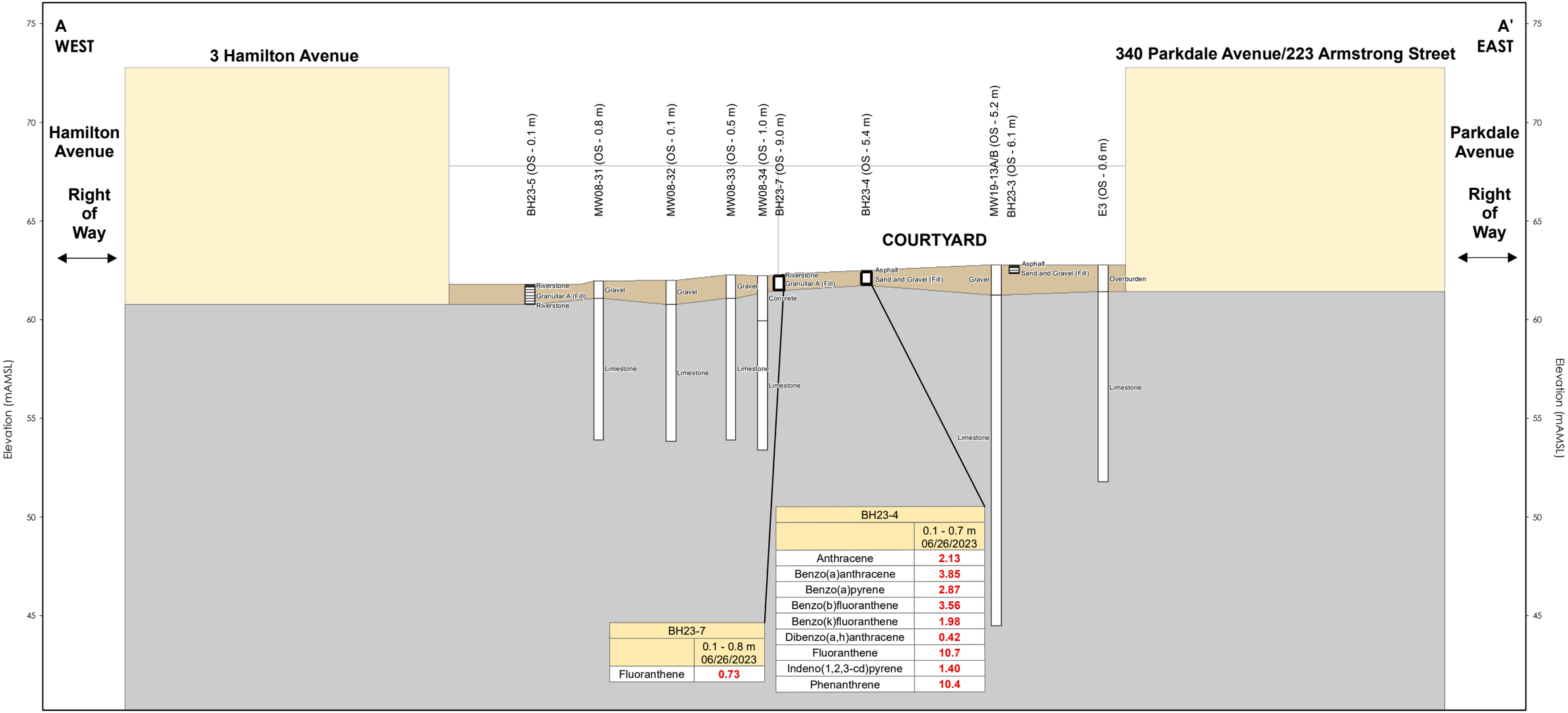
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
7b

Title
Cross Section A-A¹: Soil Analytical Results for VOCs

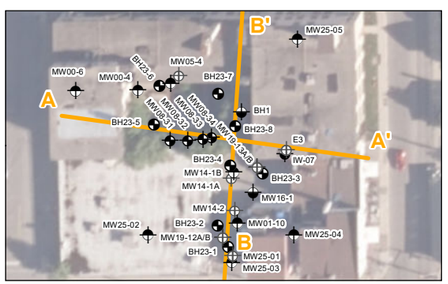
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BH23-7	
	0.1 - 0.8 m 06/26/2023
Fluoranthene	0.73

BH23-4	
	0.1 - 0.7 m 06/26/2023
Anthracene	2.13
Benzo(a)anthracene	3.85
Benzo(a)pyrene	2.87
Benzo(b)fluoranthene	3.56
Benzo(k)fluoranthene	1.98
Dibenzo(a,h)anthracene	0.42
Fluoranthene	10.7
Indeno(1,2,3-cd)pyrene	1.40
Phenanthrene	10.4



MW1-15 (OS m)
Well ID (os - offset)
Sand
Stratigraphy

Legend
- Building
- Overburden
- Bedrock
- Soil Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

Sample ID	Depth (m BGS)/ Date
BH23-8	
Benzo(a)anthracene (Parameter)	0.1 - 1.0 m 06/26/2023: 0.60 (Parameters Exceed Table 7 SCS)

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Acenaphthylene	µg/g	0.15	0.56
Anthracene	µg/g	0.67	2.56
Benzo(a)anthracene	µg/g	0.5	4.62
Benzo(a)pyrene	µg/g	0.3	5.47
Benzo(b)fluoranthene	µg/g	0.78	4.27
Benzo(g,h,i)perylene	µg/g	6.6	-
Benzo(k)fluoranthene	µg/g	0.78	2.38
Dibenzo(a,h)anthracene	µg/g	0.1	0.55
Fluoranthene	µg/g	0.69	12.8
Indeno(1,2,3-cd)pyrene	µg/g	0.38	1.9
Phenanthrene	µg/g	6.2	12.5

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
4. PAHs - Polycyclic Aromatic hydrocarbons

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-15

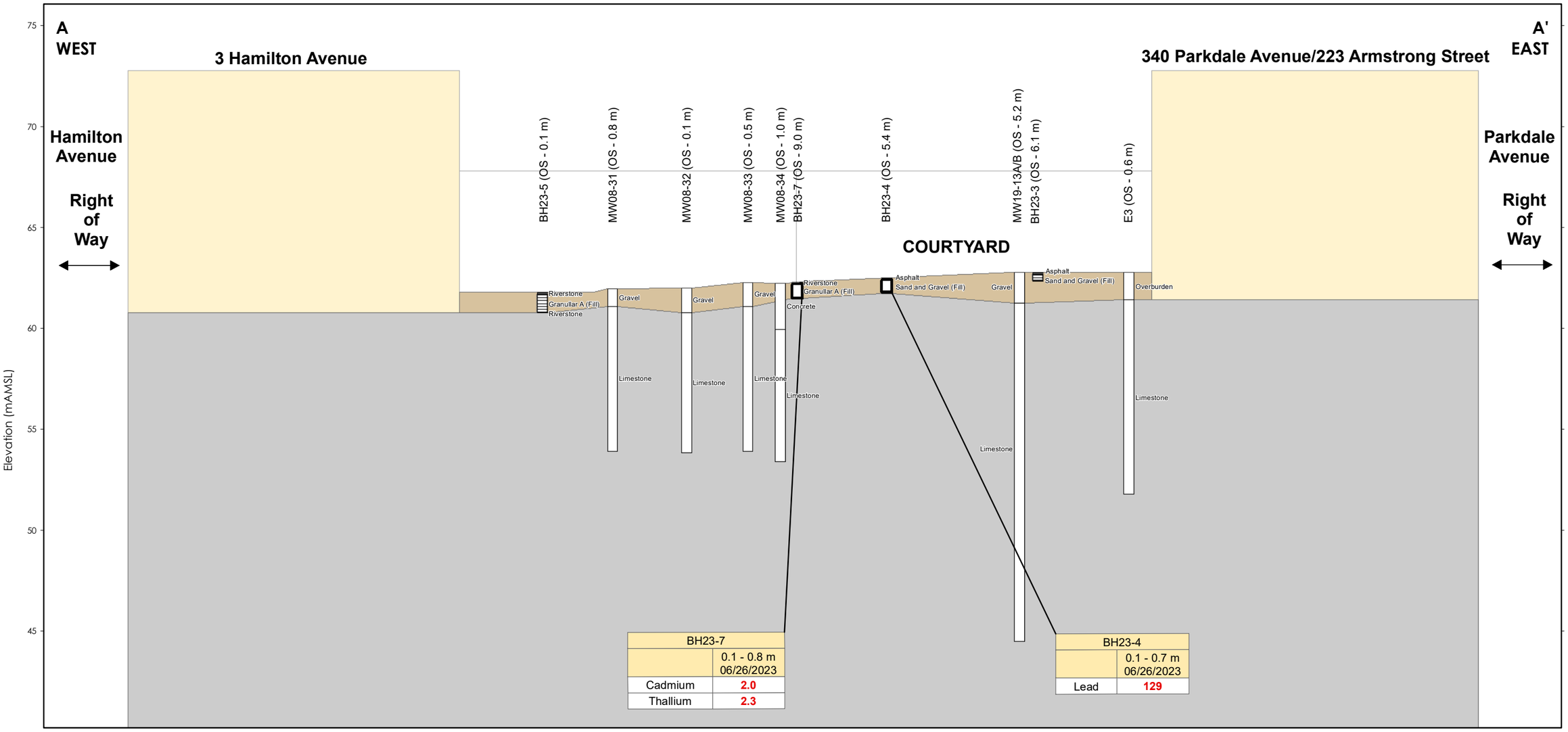
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

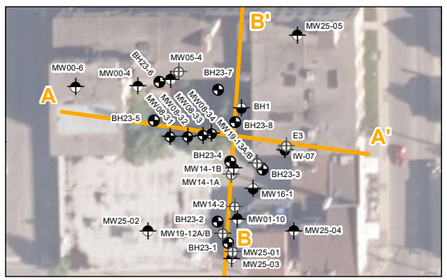
Figure No.
7c

Title
Cross Section A-A¹: Soil Analytical Results for PAHs

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MW1-15 (OS m)

Well ID
(os - offset)

Sand

Stratigraphy

Notes

1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards

Legend

- Building
- Overburden
- Bedrock
- Soil Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

Sample ID	Depth (m BGS)/ Date
BH23-7	
Cadmium (Parameter)	2.0 (Parameters Exceed Table 7 SCS)

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Boron (Available)	µg/g	1.5	-
Cadmium	µg/g	1.2	2.4
Lead	µg/g	120	245
Thallium	µg/g	1	2.76

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-15

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
7d

Title
Cross Section A-A¹: Soil Analytical Results for Metals

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B
SOUTH

B'
NORTH

Courtyard

Alley and Parking

340 Parkdale Avenue

Hamilton Avenue

Parkdale Avenue

Right of Way

Right of Way

Water Line

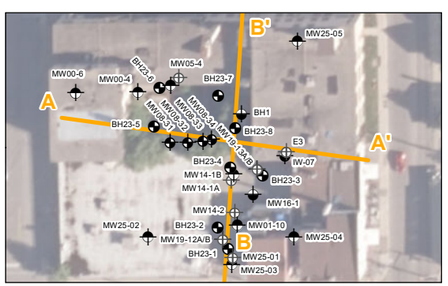
Gas Line

MW25-03 (OS - 0.4 m)
MW25-01 (OS - 1.8 m)
BH23-1 (OS - 0.1 m)
MW19-12A/B (OS - 0.9 m)
BH23-2 (OS - 1.1 m)
MW1-10 (OS - 1.6 m)
MW14-2 (OS - 1.2 m)
MW16-1 (OS - 4.8 m)
MW14-1A (OS - 0 m)
BH23-3 (OS - 7.0 m)
MW14-1B (OS - 0.5 m)
BH23-4 (OS - 0.1 m)
BH23-8 (OS - 0.1 m)
BH1 (OS - 1.2 m)
BH23-7 (OS - 4.0 m)
MW25-02 (OS - 12.0 m)

Asphalt
Granular (Fill)
Sand
Limestone
Granular (Fill)
Silty Sand (Fill)
Gravel
Fill/Sandy Till
Overburden
Sand and Gravel Fill
Sand and Gravel (Fill)
Riverstone
Concrete / Granular (Fill)
Bedrock
Dolostone

Elevation (mAMSL)

BH23-1	
	0.3 - 1.2 m 06/26/2023
PHC F3 (>C16-C34 range)	1020



MW1-15 (OS m)

Well ID
(os - offset)

Sand

Stratigraphy

Legend

- Gas Line
- Water Line
- Building
- Overburden
- Bedrock
- Soil Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

*Gas and water lines are approximately 1.3 m BGS

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
PHC F3 (>C16-C34 range)	µg/g	300	1224

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. Table 7 - All Types of Property Use - Coarse Textured Soils
7. PHCs - Petroleum Hydrocarbons
8. BTEX - Benzene, Toluene, Ethylbenzene, Xylenes.

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-15

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
8a

Title
Cross Section B-B¹: Soil Analytical Results for PHCs and BTEX

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B
SOUTH

B'
NORTH

Courtyard

Alley and Parking

340 Parkdale Avenue

Hamilton Avenue

Parkdale Avenue

Right of Way

Right of Way

Water Line

Gas Line

MW25-03 (OS - 0.4 m)
MW25-01 (OS - 1.8 m)
BH23-1 (OS - 0.1 m)
MW19-12A/B (OS - 0.9 m)
BH23-2 (OS - 1.1 m)
MW1-10 (OS - 1.6 m)
MW14-2 (OS - 1.2 m)
MW16-1 (OS - 4.8 m)
MW14-1A (OS - 0 m)
BH23-3 (OS - 7.0 m)
MW14-1B (OS - 0.5 m)
BH23-4 (OS - 0.1 m)
BH23-8 (OS - 0.1 m)
BH1 (OS - 1.2 m)
BH23-7 (OS - 4.0 m)
MW25-02 (OS - 12.0 m)

Asphalt
Granular (Fill)
Sand
Limestone
Silty Sand (Fill)
Gravel
Fill/Sandy Till
Overburden
Sand and Gravel Fill
Bedrock
Riverstone
Granular A (Fill)
Concrete / Granular (Fill)
Dolostone

Elevation (mAMSL)

75
70
65
60
55
50
45
40

MW25-03		
	0.15 - 0.76 m 05/26/2025	0.76 - 1.37 m 05/26/2025
Tetrachloroethene (PCE)	**3.30**	**0.36**
Trichloroethene (TCE)	**0.20**	<0.05

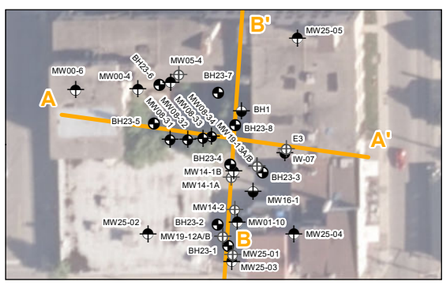
BH23-1	
	0.3 - 1.2 m 06/26/2023
Tetrachloroethene (PCE)	**1.48**
Trichloroethene (TCE)	**0.31**

BH23-2	
	0.3 - 1.5 m 06/26/2023
Tetrachloroethene (PCE)	**3.94 / 3.92**
Trichloroethene (TCE)	**0.36 / 0.32**

BH23-3	
	0.1 - 0.4 m 06/26/2023
Tetrachloroethene (PCE)	**0.30**

BH23-4	
	0.1 - 0.7 m 06/26/2023
Tetrachloroethene (PCE)	**0.90**
Trichloroethene (TCE)	**0.14**

BH23-8	
	0.1 - 1.0 m 06/26/2023
Tetrachloroethene (PCE)	**1.95**
Trichloroethene (TCE)	**0.08**



MW1-15 (OS m)
Sand
Well ID (os - offset)
Stratigraphy

Legend
- Gas Line
- Water Line
- Building
- Overburden
- Bedrock
- Soil Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

*Gas and water lines are approximately 1.3 m BGS

Sample ID	Depth (m BGS)/ Date
BH23-2	
	0.3 - 1.5 m 06/26/2023
Tetrachloroethene (PCE)	**3.94 / 3.92**

Parameter — Parameters Exceed Table 7 SCS

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Tetrachloroethene(PCE)	µg/g	0.28	4.73
Trichloroethene(TCE)	µg/g	0.061	0.43

Note: Stantec Property Specific Standard for VOCs was not exceeded

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. Table 7 - All Types of Property Use - Coarse Textured Soils
7. VOCs - Volatile Organic Compounds

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-15

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
8b

Title
Cross Section B-B¹: Soil Analytical Results for VOCs

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B
SOUTH

B'
NORTH

Courtyard

Alley and Parking

340 Parkdale Avenue

Hamilton Avenue

Parkdale Avenue

Right of Way

Right of Way

Water Line

Gas Line

MW25-03 (OS - 0.4 m)
MW25-01 (OS - 1.8 m)
BH23-1 (OS - 0.1 m)
MW19-12A/B (OS - 0.9 m)
BH23-2 (OS - 1.1 m)
MW1-10 (OS - 1.6 m)
MW14-2 (OS - 1.2 m)
MW16-1 (OS - 4.8 m)
MW14-1A (OS - 0 m)
BH23-3 (OS - 7.0 m)
MW14-1B (OS - 0.5 m)
BH23-4 (OS - 0.1 m)
BH23-8 (OS - 0.1 m)
BH1 (OS - 1.2 m)
BH23-7 (OS - 4.0 m)
MW25-02 (OS - 12.0 m)

Asphalt
Granular (Fill)
Sand
Limestone
Silty Sand (Fill)
Gravel
Fill/Sandy Till
Overburden
Sand and Gravel Fill
Riverstone
Granular A (Fill)
Concrete / Granular (Fill)
Bedrock
Dolostone

Elevation (mAMSL)

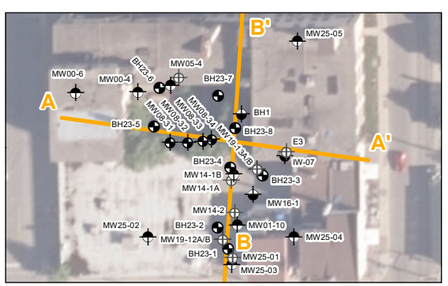
MW25-03	
	0.15 - 0.76 m 05/26/2025
Anthracene	2.35
Benzo(a)anthracene	3.71
Benzo(a)pyrene	2.96
Benzo(b)fluoranthene	2.53
Benzo(k)fluoranthene	1.62
Dibenzo(a,h)anthracene	0.75*
Fluoranthene	9.50
Indeno(1,2,3-cd)pyrene	1.67
Methylnaphthalene (Total)	1.23
Phenanthrene	7.69

BH23-1	
	0.3 - 1.2 m 06/26/2023
Acenaphthylene	0.47
Anthracene	1.69
Benzo(a)anthracene	2.67
Benzo(a)pyrene	2.69
Benzo(b)fluoranthene	2.81
Benzo(k)fluoranthene	1.50
Dibenzo(a,h)anthracene	0.46
Fluoranthene	6.64
Indeno(1,2,3-cd)pyrene	1.58

BH23-8	
	0.1 - 1.0 m 06/26/2023
Benzo(a)anthracene	0.60
Benzo(a)pyrene	0.48
Fluoranthene	1.58

BH23-4	
	0.1 - 0.7 m 06/26/2023
Anthracene	2.13
Benzo(a)anthracene	3.85
Benzo(a)pyrene	2.87
Benzo(b)fluoranthene	3.56
Benzo(k)fluoranthene	1.98
Dibenzo(a,h)anthracene	0.42
Fluoranthene	10.7
Indeno(1,2,3-cd)pyrene	1.40
Phenanthrene	10.4

BH23-7	
	0.1 - 0.8 m 06/26/2023
Fluoranthene	0.73



MW1-15 (OS m)

Well ID (os - offset)

Sand

Stratigraphy

Legend

- Gas Line
- Water Line
- Building
- Overburden
- Bedrock
- Soil Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)
- * Soil Parameter Exceeds Stantec Property Specific Standard from Risk Assessment

*Gas and water lines are approximately 1.3 m BGS

Sample ID	Depth (m BGS)/ Date
BH23-8	
	0.1 - 1.0 m 06/26/2023
Benzo(a)anthracene	0.60

Parameter — Parameters Exceed Table 7 SCS

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Acenaphthylene	µg/g	0.15	0.56
Anthracene	µg/g	0.67	2.56
Benzo(a)anthracene	µg/g	0.5	4.62
Benzo(a)pyrene	µg/g	0.3	5.47
Benzo(b)fluoranthene	µg/g	0.78	4.27
Benzo(g,h,i)perylene	µg/g	6.6	-
Benzo(k)fluoranthene	µg/g	0.78	2.38
Dibenzo(a,h)anthracene	µg/g	0.1	0.55
Fluoranthene	µg/g	0.69	12.8
Indeno(1,2,3-cd)pyrene	µg/g	0.38	1.9
Phenanthrene	µg/g	6.2	12.5

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. Table 7 - All Types of Property Use - Coarse Textured Soils
7. PAHs - Polycyclic Aromatic hydrocarbons

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-15

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
8c

Title
Cross Section B-B¹: Soil Analytical Results for PAHs

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B
SOUTH

B'
NORTH

Courtyard

Alley and Parking

340 Parkdale Avenue

Hamilton Avenue

Parkdale Avenue

Right of Way

Right of Way

Water Line

Gas Line

MW25-03 (OS - 0.4 m)
MW25-01 (OS - 1.8 m)
BH23-1 (OS - 0.1 m)
MW19-12A/B (OS - 0.9 m)
BH23-2 (OS - 1.1 m)
MW1-10 (OS - 1.6 m)
MW14-2 (OS - 1.2 m)
MW16-1 (OS - 4.8 m)
MW14-1A (OS - 0 m)
BH23-3 (OS - 7.0 m)
MW14-1B (OS - 0.5 m)
BH23-4 (OS - 0.1 m)
BH23-8 (OS - 0.1 m)
BH1 (OS - 1.2 m)
BH23-7 (OS - 4.0 m)
MW25-02 (OS - 12.0 m)

Asphalt
Granular (Fill)
Sand
Granular (Fill)
Silty Sand (Fill)
Gravel
Fill/Sandy Till
Overburden
Sand and Gravel Fill
Riverstone
Granular A (Fill)
Concrete / Granular (Fill)
Limestone
Bedrock
Dolostone

MW25-03		
	0.15 - 0.76 m 05/26/2025	0.76 - 1.37 m 05/26/2025
Boron (Available)	1.3	**2.5**
Lead	**201**	24.2

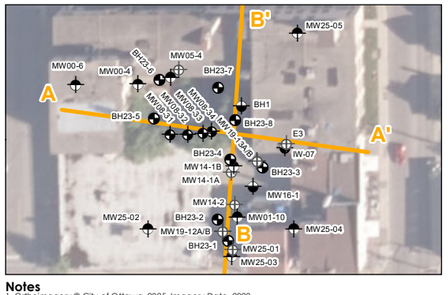
BH23-1	
	0.3 - 1.2 m 06/26/2023
Lead	**204**

BH23-4	
	0.1 - 0.7 m 06/26/2023
Lead	**129**

BH23-7	
	0.1 - 0.8 m 06/26/2023
Cadmium	**2.0**
Thallium	**2.3**

Elevation (mAMSL)

75 70 65 60 55 50 45 40



MW1-15 (OS m)

Sand

Well ID (os - offset)

Stratigraphy

Legend

- Gas Line
- Water Line
- Building
- Overburden
- Bedrock
- Soil Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Soil Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

*Gas and water lines are approximately 1.3 m BGS

Sample ID — Depth (m BGS)/ Date

BH23-7	
	0.1 - 0.8 m 06/26/2023
Cadmium	**2.0**

Parameter — Parameters Exceed Table 7 SCS

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Boron (Available)	µg/g	1.5	-
Cadmium	µg/g	1.2	2.4
Lead	µg/g	120	245
Thallium	µg/g	1	2.76

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. Table 7 - All Types of Property Use - Coarse Textured Soils

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-15

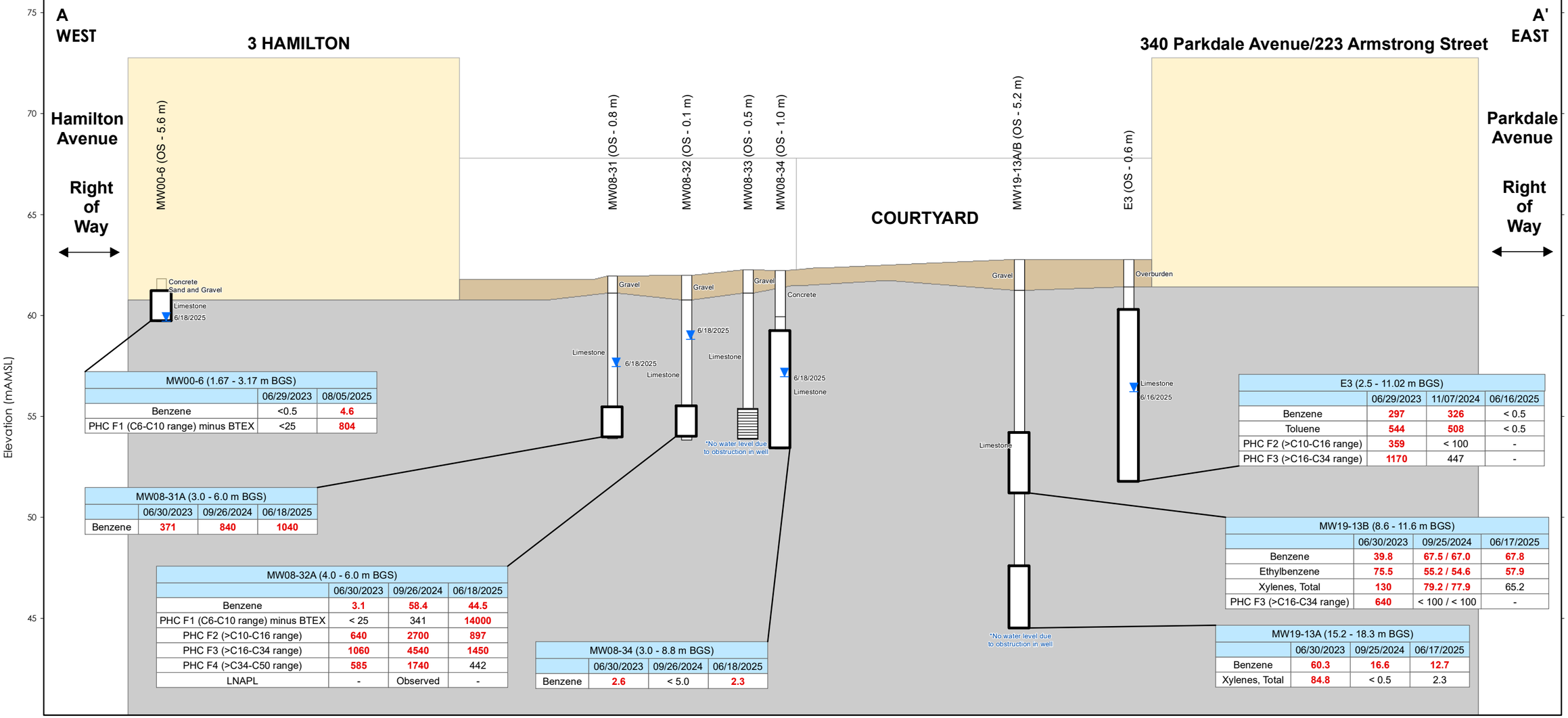
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
8d

Title
Cross Section B-B¹: Soil Analytical Results for Metals

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MW00-6 (1.67 - 3.17 m BGS)		
	06/29/2023	08/05/2025
Benzene	<0.5	**4.6**
PHC F1 (C6-C10 range) minus BTEX	<25	**804**

MW08-31A (3.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Benzene	**371**	**840**	**1040**

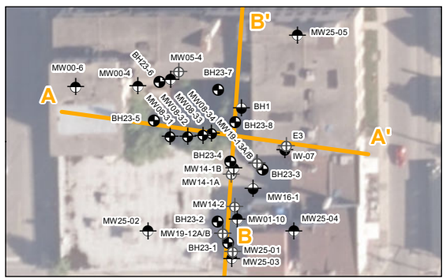
MW08-32A (4.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Benzene	**3.1**	**58.4**	**44.5**
PHC F1 (C6-C10 range) minus BTEX	< 25	341	**14000**
PHC F2 (>C10-C16 range)	**640**	**2700**	**897**
PHC F3 (>C16-C34 range)	**1060**	**4540**	**1450**
PHC F4 (>C34-C50 range)	**585**	**1740**	442
LNAPL	-	Observed	-

MW08-34 (3.0 - 8.8 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Benzene	**2.6**	< 5.0	**2.3**

E3 (2.5 - 11.02 m BGS)			
	06/29/2023	11/07/2024	06/16/2025
Benzene	**297**	**326**	< 0.5
Toluene	**544**	**508**	< 0.5
PHC F2 (>C10-C16 range)	**359**	< 100	-
PHC F3 (>C16-C34 range)	**1170**	447	-

MW19-13B (8.6 - 11.6 m BGS)			
	06/30/2023	09/25/2024	06/17/2025
Benzene	**39.8**	**67.5 / 67.0**	**67.8**
Ethylbenzene	**75.5**	**55.2 / 54.6**	**57.9**
Xylenes, Total	**130**	**79.2 / 77.9**	65.2
PHC F3 (>C16-C34 range)	**640**	< 100 / < 100	-

MW19-13A (15.2 - 18.3 m BGS)			
	06/30/2023	09/25/2024	06/17/2025
Benzene	**60.3**	**16.6**	**12.7**
Xylenes, Total	**84.8**	< 0.5	2.3



Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. PHCs - Petroleum Hydrocarbons

MW1-15 (OS m)
Well ID (os - offset)
Sand
Stratigraphy
Water Table (June 18, 2025)
Well Screen

Legend
- Building
- Overburden
- Bedrock
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Groundwater Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

Sample ID (Screen Interval)	Date
MW01-10 (1.1 - 4.29 m BGS)	
	06/29/2023
PHC F2 (>C10-C16 range)	<100 / **918**
Parameter	Parameters Exceed Table 7 SCS

1x Vertical Exaggeration
0 5 10 metres
1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Benzene	µg/L	0.5	2496
Toluene	µg/L	320	2064
Ethylbenzene	µg/L	54	192
Xylenes, Total	µg/L	72	672
PHC F1 (C6-C10 range) minus BTEX	µg/L	420	41760
PHC F2 (>C10-C16 range)	µg/L	150	375600
PHC F3 (>C16-C34 range)	µg/L	500	380400
PHC F4 (>C34-C50 range)	µg/L	500	170400

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
9a

Title
Cross Section A-A[1]: Groundwater Analytical Results for PHCs and BTEX

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A
WEST

A'
EAST

3 HAMILTON

340 Parkdale Avenue/223 Armstrong Street

Hamilton Avenue

Parkdale Avenue

Right of Way

Right of Way

COURTYARD

MW00-6 (OS - 5.6 m)

MW08-31 (OS - 0.8 m)

MW08-32 (OS - 0.1 m)

MW08-33 (OS - 0.5 m)

MW08-34 (OS - 1.0 m)

MW19-13A/B (OS - 5.2 m)

E3 (OS - 0.6 m)

Elevation (mAMSL)

Elevation (mAMSL)

75
70
65
60
55
50
45

Concrete
Sand and Gravel
Limestone
6/18/2025

Gravel
Limestone
6/18/2025

Gravel
Limestone
6/18/2025

Gravel
Concrete
Limestone
6/18/2025

Gravel
Limestone

Overburden
Limestone
6/16/2025

*No water level due to obstruction in well

*No water level due to obstruction in well

MW00-6 (1.67 - 3.17 m BGS)		
	06/29/2023	08/05/2025
Dichloroethene, 1,1-	<0.5	1.8
Dichloroethene, cis-1,2-	27.1	4380
Dichloroethene, trans-1,2-	<0.5	11.4
Tetrachloroethene (PCE)	15.9	426
Trichloroethene (TCE)	5.5	232
Vinyl Chloride	3.1	1320

MW08-31A (3.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Dichloroethene, 1,1-	< 0.5	16.0	13.4
Dichloroethene, cis-1,2-	62.6	5620	12100
Dichloroethene, trans-1,2-	9.1	211	119
Tetrachloroethene (PCE)	2.0	51.1	< 0.5
Trichloroethene (TCE)	0.6	123	< 0.5
Vinyl Chloride	344	1560	2210

MW08-32A (4.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Dichloroethene, 1,1-	< 0.5	27.5	50.3
Dichloroethene, cis-1,2-	897	69200	78900
Dichloroethene, trans-1,2-	8.4	268	570
Tetrachloroethene (PCE)	23.0	< 0.5	67.6
Trichloroethene (TCE)	20.8	2.4	148
Vinyl Chloride	293	8940	4190

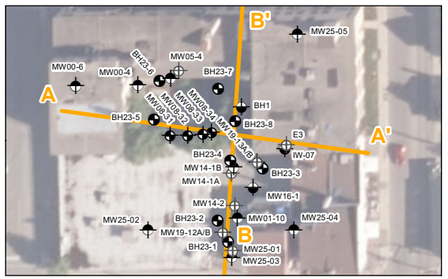
MW08-33A (4.0 - 6.0 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Dichloroethane, 1,1-	< 2500	< 0.5	< 0.5 / 190
Dichloroethene, 1,1-	< 2500	140	151 / < 0.5
Dichloroethene, cis-1,2-	118000	68800	78800 / 69400
Dichloroethene, trans-1,2-	< 2500	640	592 / 512
Tetrachloroethene (PCE)	29800	33200	18700 / 20000
Trichloroethene (TCE)	22000	29200	25700 / 23100
Vinyl Chloride	< 2500	6010	4590 / 4930

MW08-34 (3.0 - 8.8 m BGS)			
	06/30/2023	09/26/2024	06/18/2025
Dichloroethene, 1,1-	0.7	< 5.0	2.2
Dichloroethene, cis-1,2-	2000	1670	4920
Dichloroethene, trans-1,2-	14.0	28.9	32.3
Tetrachloroethene (PCE)	39.9	13.0	2.0
Trichloroethene (TCE)	16.0	< 5.0	19.7
Vinyl Chloride	274	388	1060

E3 (2.5 - 11.02 m BGS)			
	06/29/2023	11/07/2024	06/16/2025
Dichloroethene, 1,1-	7.0	< 0.5	< 0.5
Dichloroethene, cis-1,2-	16300	29.1	59.1
Dichloroethene, trans-1,2-	137	3.9	5.8
Dichloropropane, 1,2-	< 0.5	3.0	< 0.5
Tetrachloroethene (PCE)	108	< 0.5	4.2
Trichloroethene (TCE)	983	< 0.5	20.7
Vinyl Chloride	12800	56.8	101

MW19-13B (8.6 - 11.6 m BGS)			
	06/30/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	24.3	2.1 / 1.9	45.3
Dichloroethene, cis-1,2-	24900	2430 / 2420	50500
Dichloroethene, trans-1,2-	77.0	19.2 / 18.2	863
Tetrachloroethene (PCE)	5.6	< 0.5 / < 0.5	276
Trichloroethene (TCE)	462	4.4 / 4.4	63.0
Vinyl Chloride	8070	1100 / 951	6880

MW19-13A (15.2 - 18.3 m BGS)			
	06/30/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	6.7	2.8	1.8
Dichloroethene, cis-1,2-	14900	13500	6780
Dichloroethene, trans-1,2-	90.8	98.0	331
Tetrachloroethene (PCE)	4.5	< 0.5	389
Trichloroethene (TCE)	89.2	8.8	120
Vinyl Chloride	5500	36.7	2380



MW1-15 (OS m)

Well ID
(os - offset)

Sand

Stratigraphy

Water Table
(June 18, 2025)

Well Screen

Legend

- Building
- Overburden
- Bedrock
- One or More Groundwater Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Sample ID (Screen Interval) | Date

MW19-12B (9.1 - 12.2 m BGS)	
	06/29/2023
Dichloroethene, 1,1-	19.1 / 10.7

Parameter | Parameters Exceed Table 7 SCS

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Dichloroethene, 1,1-	µg/L	0.5	168
Dichloroethene, cis-1,2-	µg/L	1.6	468000
Dichloroethene, trans-1,2-	µg/L	1.6	1080
Tetrachloroethane, 1,1,2,2-	µg/L	0.5	6
Tetrachloroethene(PCE)	µg/L	0.5	552000
Trichloroethene(TCE)	µg/L	0.5	117600
Vinyl Chloride	µg/L	0.5	181085

Note: Stantec Property Specific Standard for VOCs was not exceeded

Notes

1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. VOCs - Volatile Organic Compounds

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-12

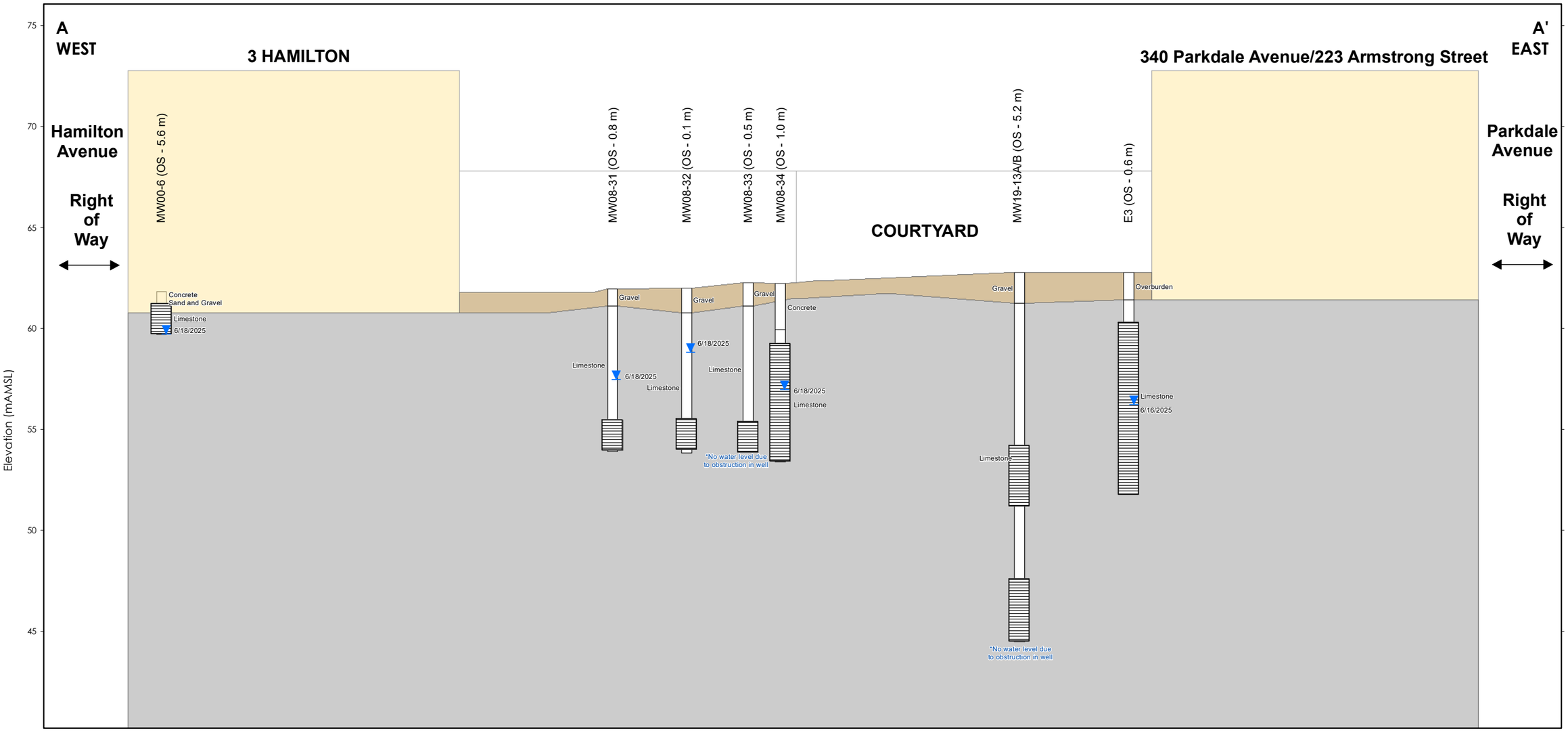
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

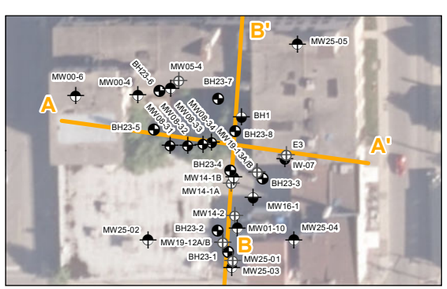
Figure No.
9b

Title
Cross Section A-A¹: Groundwater Analytical Results for VOCs

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MW1-15 (OS m)

Well ID
(os - offset)

Sand

Stratigraphy

Water Table
(June 18, 2025)

Well Screen

Legend

- Building
- Overburden
- Bedrock
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)

Sample ID (Screen Interval)	Date
MW19-12B (9.1 - 12.2 m BGS)	06/29/2023
Benzo(g,h,i)perylene	13.3 / 3.63
Parameter	Parameters Exceed Table 7 SCS

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Anthracene	µg/L	1	6.68
Benzo(a)anthracene	µg/L	1.8	9.97
Benzo(a)pyrene	µg/L	0.81	12.47
Benzo(b)fluoranthene	µg/L	0.75	8.03
Benzo(g,h,i)perylene	µg/L	0.2	16
Benzo(k)fluoranthene	µg/L	0.4	6
Chrysene	µg/L	0.7	8.52
Fluoranthene	µg/L	44	-
Indeno(1,2,3-cd)pyrene	µg/L	0.2	10.2
Naphthalene	µg/L	7	151
Pyrene	µg/L	5.7	-

Notes

1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. PAHs - Polycyclic Aromatic hydrocarbons

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-12

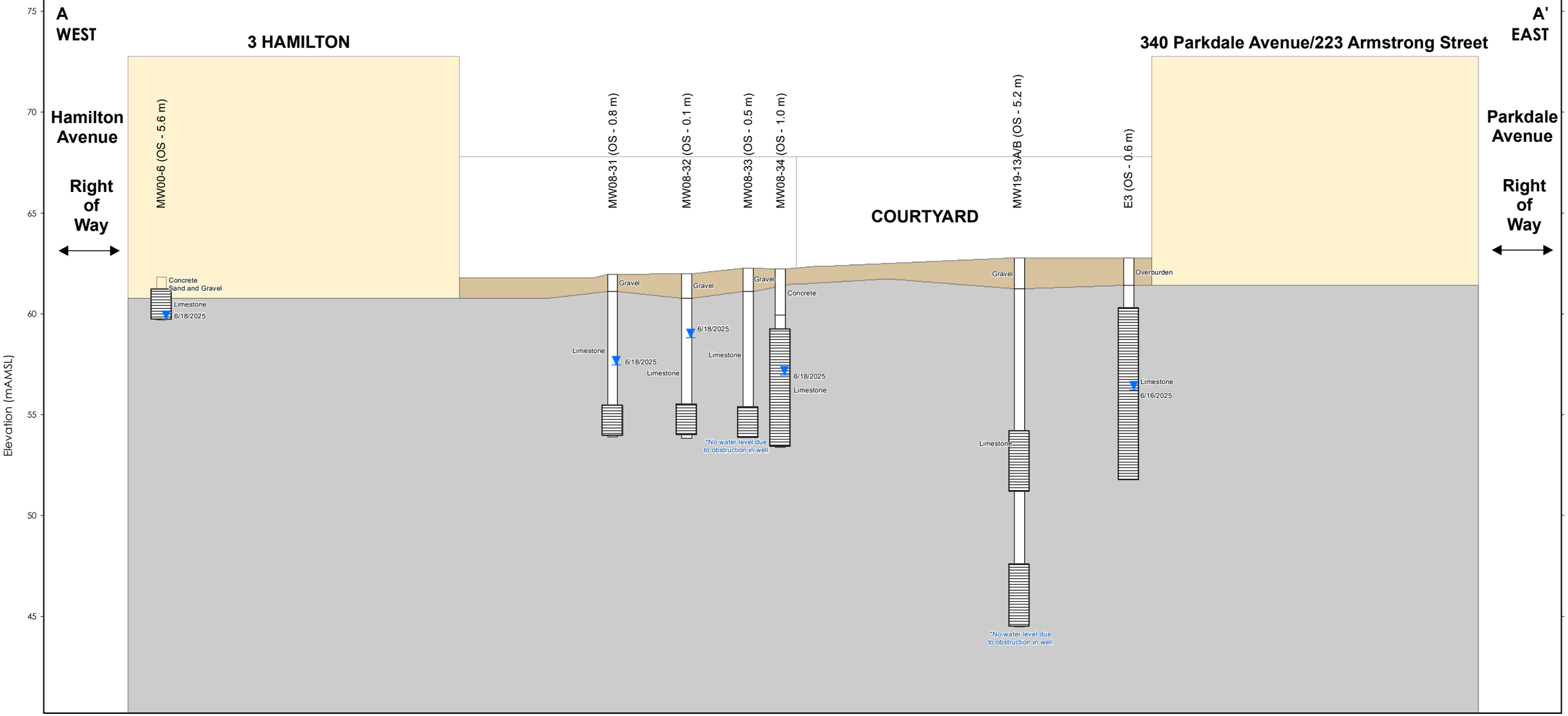
Client/Project
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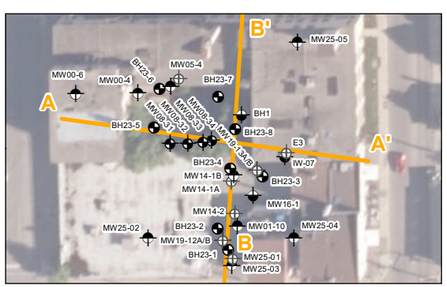
Figure No.
9c

Title
Cross Section A-A¹: Groundwater Analytical Results for PAHs

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Notes
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2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards

MW1-15 (OS m)
Well ID (os - offset)
Sand
Stratigraphy
Water Table (June 18, 2025)
Well Screen

Legend
- Building
- Overburden
- Bedrock
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)

1x Vertical Exaggeration
0 5 10 metres
1:200 (At original document size of 11x17)

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
9d

Title
Cross Section A-A¹: Groundwater Analytical Results for Metals

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B
SOUTH

B'
NORTH

Courtyard

Alley and Parking

340 Parkdale Avenue

Hamilton Avenue

Right of Way

Parkdale Avenue

Right of Way

MW25-03 (OS - 0.4 m)
MW25-01 (OS - 1.8 m)
MW19-12A/B(OS - 0.9m)
MW1-10(OS - 1.6m)
MW14-2(OS - 1.2m)
MW16-1(OS - 4.8m)
MW14-1A(OS - 0m)
MW14-1B(OS - 0.5m)
BH1(OS - 1.2m)
MW25-02 (OS - 12.0 m)

Water Line
Gas Line

Asphalt
Granular (Fill)
Sand
Limestone
Gravel
Fill/Sandy Till
Overburden
Fill
Bedrock
Dolostone
Concrete / Granular (Fill)

6/17/2025
6/16/2025
6/18/2025

MW01-10 (1.1 - 4.29 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Benzene	< 0.5 / < 0.5	< 0.5	3.8
PHC F1 (C6-C10 range) minus BTEX	< 25 / < 25	449	38100
PHC F2 (>C10-C16 range)	< 100 / 918	313000	622000*
PHC F3 (>C16-C34 range)	687 / 3610	317000	498000*
PHC F4 (>C34-C50 range)	616 / 1730	142000	235000*
LNAPL	-	Observed	Observed

MW25-03 (2.0 - 5.0 m BGS)	
	06/17/2025
Benzene	0.9

MW25-01 (9.1 - 12.2 m BGS)	
	06/17/2025
Benzene	1.5

MW19-12B (9.1 - 12.2 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Benzene	17.1 / 23.1	11.1	17.6
Xylenes, Total	82.7 / 49.1	17.5	18.7
PHC F1 (C6-C10 range) minus BTEX	< 25 / < 25	360	1970
PHC F2 (>C10-C16 range)	26200 / 10600	154000	2080
PHC F3 (>C16-C34 range)	36400 / 17100	206000	3000
PHC F4 (>C34-C50 range)	17300 / 8960	91400	2220
LNAPL	-	Observed	Observed

MW19-12A (15.2 - 18.3 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Benzene	16.8	25.1	12.2

MW16-01 (19 - 22 m BGS)			
	06/29/2023	09/25/2024	06/16/2025
Benzene	2.0	0.8	0.7

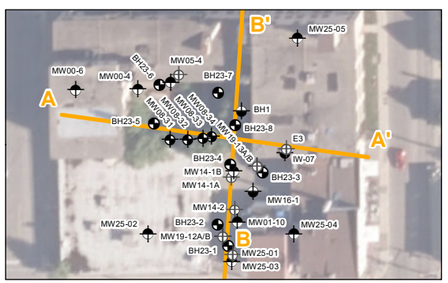
MW14-2 (9.1 - 12.1 m BGS)		
	06/29/2023	06/17/2025
Benzene	1.7	0.9

MW14-1B (4.2 - 7.2 m BGS)			
	06/30/2023	09/27/2024	06/16/2025
Benzene	< 2500	116	99.8 / 112
Toluene	< 2500	900	503 / 522
Ethylbenzene	< 2500	160	145 / 152
Xylenes, Total	< 2500	560	306 / 358
PHC F1 (C6-C10 range) minus BTEX	< 125000	34800	14400 / 13900
PHC F2 (>C10-C16 range)	63600	3680	< 100 / 833
PHC F3 (>C16-C34 range)	6700	3530	< 100 / 617
PHC F4 (>C34-C50 range)	39100	1740	< 100 / 560
LNAPL	-	Observed	-

MW14-1A (9.2 - 12.2 m BGS)			
	06/30/2023	09/27/2024	06/16/2025
Benzene	31.6	91.7	67.1
Ethylbenzene	63.6	40.5	132
Xylenes, Total	186	116	187
PHC F2 (>C10-C16 range)	513	< 100	-
PHC F3 (>C16-C34 range)	2720	< 100	-
PHC F4 (>C34-C50 range)	1410	< 100	-

Elevation (mAMSL)

75
70
65
60
55
50
45
40



MW15-15 (OS m)
Sand
Well ID (os - offset)
Stratigraphy
Water Table (June 18, 2025)
Well Screen

Legend
- Gas Line
- Water Line
- Building
- Overburden
- Bedrock
- Well Screen
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Groundwater Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)
- * Groundwater Parameter Exceeds Stantec Property Specific Standard from Risk Assessment

*Gas and water lines are approximately 1.3 m BGS

Sample ID (Screen Interval) — Date

MW01-10 (1.1 - 4.29 m BGS)	
	06/29/2023
PHC F2 (>C10-C16 range)	<100 / 918

Parameter — Parameters Exceed Table 7 SCS

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Benzene	µg/L	0.5	2496
Toluene	µg/L	320	2064
Ethylbenzene	µg/L	54	192
Xylenes, Total	µg/L	72	672
PHC F1 (C6-C10 range) minus BTEX	µg/L	420	41760
PHC F2 (>C10-C16 range)	µg/L	150	375600
PHC F3 (>C16-C34 range)	µg/L	500	380400
PHC F4 (>C34-C50 range)	µg/L	500	170400

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. Table 7 - All Types of Property Use - Coarse Textured Soils
7. PHCs - Petroleum Hydrocarbons
8. BTEX - Benzene, Toluene, Ethylbenzene, Xylenes.

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
10a

Title
Cross Section B-B¹: Groundwater Analytical Results for PHCs and BTEX

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B
SOUTH

B'
NORTH

Courtyard

Alley and Parking

340 Parkdale Avenue

Hamilton Avenue

Right of Way

Parkdale Avenue

Right of Way

Water Line

Gas Line

MW25-03 (OS - 0.4 m)
MW25-01 (OS - 1.8 m)
MW19-12A/B(OS - 0.9m)
MW1-10(OS - 1.6m)
MW14-2(OS - 1.2m)
MW16-1(OS - 4.8m)
MW14-1A(OS - 0m)
MW14-1B(OS - 0.5m)
BH1(OS - 1.2m)
MW25-02 (OS - 12.0 m)

Asphalt
Granular (Fill)
Sand
Asphalt
Granular (Fill)
Gravel
Fill/Sandy Till
Overburden
Fill
Overburden
Overburden
Fill
Concrete / Granular (Fill)
Limestone
Limestone
Limestone
Limestone
Limestone
Limestone
Limestone
Limestone
Bedrock
Bedrock
Limestone
Limestone
Dolostone
Dolostone

6/17/2025
6/17/2025
6/17/2025
6/17/2025
6/17/2025
6/17/2025
6/16/2025
6/18/2025
6/18/2025

Elevation (mAMSL)

75
70
65
60
55
50
45
40

MW25-03 (2.0 - 5.0 m BGS)	
	06/17/2025
Dichloroethene, trans-1,2-	2.3
Tetrachloroethene (PCE)	118
Trichloroethene (TCE)	44.6
Vinyl Chloride	51.6

MW19-12B (9.1 - 12.2 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	19.1 / 10.7	4.6	7.6
Dichloroethene, cis-1,2-	11500 / 5240	9050	7990
Dichloroethene, trans-1,2-	97.0 / 76.2	83.9	224
Tetrachloroethene (PCE)	7220 / 3840	3.8	712
Trichloroethene (TCE)	3080 / 1280	4.4	107
Vinyl Chloride	938 / < 0.5	3340	6870

MW25-02 (1.74 - 4.68 m BGS)	
	06/18/2025
Dichloroethene, cis-1,2-	114
Tetrachloroethene (PCE)	11.6
Trichloroethene (TCE)	13.4
Vinyl Chloride	4.1

MW25-01 (9.1 - 12.2 m BGS)	
	06/17/2025
Dichloroethene, 1,1-	1.8
Dichloroethene, cis-1,2-	3940
Dichloroethene, trans-1,2-	9.6
Tetrachloroethene (PCE)	1600
Trichloroethene (TCE)	872
Vinyl Chloride	670

MW14-1A (9.2 - 12.2 m BGS)			
	06/30/2023	09/27/2024	06/16/2025
Dichloroethene, 1,1-	20.0	20.5	80.9
Dichloroethene, cis-1,2-	17000	52600	70200
Dichloroethene, trans-1,2-	153	153	172
Tetrachloroethene (PCE)	7020	1610	2720
Trichloroethene (TCE)	3440	203	1720
Vinyl Chloride	4520	11800	12300

MW14-1B (4.2 - 7.2 m BGS)			
	06/30/2023	09/27/2024	06/16/2025
Dichloroethene, 1,1-	< 2500	115	125 / 130
Dichloroethene, cis-1,2-	95000	168000	78800 / 72200
Dichloroethene, trans-1,2-	< 2500	771	510 / 515
Tetrachloroethene (PCE)	154000	58400	19100 / 20200
Trichloroethene (TCE)	24800	50600	28100 / 25400
Vinyl Chloride	< 2500	12100	10800 / 10600

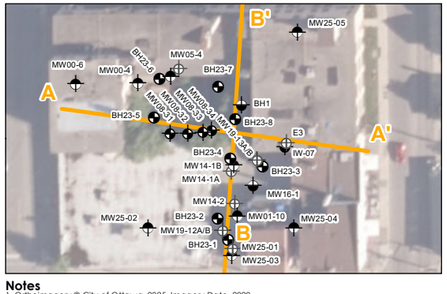
MW14-2 (9.1 - 12.1 m BGS)		
	06/29/2023	06/17/2025
Dichloroethene, 1,1-	< 0.5	0.9
Dichloroethene, cis-1,2-	282	1240
Dichloroethene, trans-1,2-	6.6	2.3
Tetrachloroethene (PCE)	13.7	8.4
Trichloroethene (TCE)	4.7	5.6
Vinyl Chloride	285	< 0.5

MW19-12A (15.2 - 18.3 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	7.5	11.6	6.1
Dichloroethene, cis-1,2-	31400	59000	13500
Dichloroethene, trans-1,2-	242	900	343
Tetrachloroethene (PCE)	12.1	1.7	995
Trichloroethene (TCE)	48.3	8.1	154
Vinyl Chloride	6020	21800	3950

MW16-01 (19 - 22 m BGS)			
	06/29/2023	09/25/2024	06/16/2025
Dichloroethene, cis-1,2-	13.6	1.4	<0.5
Dichloroethene, trans-1,2-	6.0	14.1	5.8
Tetrachloroethene (PCE)	12.3	< 0.5	<0.5
Trichloroethene (TCE)	4.1	< 0.5	<0.5
Vinyl Chloride	< 0.5	1.2	<0.5

BH1 (16.4 - 17.9 m BGS)	
	06/18/2025
Tetrachloroethene (PCE)	0.6

MW01-10 (1.1 - 4.29 m BGS)			
	06/29/2023	09/25/2024	06/17/2025
Dichloroethene, 1,1-	< 0.5 / 2.1	1.3	34.8
Dichloroethene, cis-1,2-	718 / 1680	2360	62200
Dichloroethene, trans-1,2-	10.0 / 17.6	14.9	272
Tetrachloroethene (PCE)	592 / 6510	2440	109000
Trichloroethene (TCE)	141 / 1120	970	53700
Vinyl Chloride	11.1 / 170	99.6	4160



MW1-15 (OS m)
Sand
Well ID (os - offset)
Stratigraphy
Water Table (June 18, 2025)
Well Screen

Legend
- Gas Line
- Water Line
- Building
- Overburden
- Bedrock
- One or More Groundwater Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)

Sample ID (Screen Interval) | Date

MW19-12B (9.1 - 12.2 m BGS)	
	06/29/2023
Dichloroethene, 1,1-	19.1 / 10.7

Parameter | Parameters Exceed Table 7 SCS

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Dichloroethene, 1,1-	µg/L	0.5	168
Dichloroethene, cis-1,2-	µg/L	1.6	468000
Dichloroethene, trans-1,2-	µg/L	1.6	1080
Tetrachloroethane, 1,1,2,2-	µg/L	0.5	6
Tetrachloroethene(PCE)	µg/L	0.5	552000
Trichloroethene(TCE)	µg/L	0.5	117600
Vinyl Chloride	µg/L	0.5	181085

Note: Stantec Property Specific Standard for VOCs was not exceeded

Notes
1. Orthoimagery © City of Ottawa, 2025, Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. Table 7 - All Types of Property Use - Coarse Textured Soils
7. VOCs - Volatile Organic Compounds

*Gas and water lines are approximately 1.3 m BGS

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
10b

Title
Cross Section B-B¹: Groundwater Analytical Results for VOCs

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B
SOUTH

B'
NORTH

Courtyard

Alley and Parking

340 Parkdale Avenue

Hamilton Avenue Right of Way

Parkdale Avenue Right of Way

MW25-03 (OS - 0.4 m)
MW25-01 (OS - 1.8 m)
MW19-12A/B(OS - 0.9m)
MW1-10(OS - 1.6m)
MW14-2(OS - 1.2m)
MW16-1(OS - 4.8m)
MW14-1A(OS - 0m)
MW14-1B(OS - 0.5m)
BH1(OS - 1.2m)
MW25-02 (OS - 12.0 m)

Water Line
Gas Line

Asphalt
Granular (Fill)
Sand
Limestone
Gravel
Fill/Sandy Till
Overburden
Fill
Bedrock
Dolostone
Concrete / Granular (Fill)

6/17/2025
6/16/2025
6/18/2025

Elevation (mAMSL)

75
70
65
60
55
50
45
40

MW01-10 (1.1 - 4.29 m BGS)

	06/29/2023	09/25/2024	06/17/2025
Anthracene	< 0.20 / < 0.20	5.57	20.2*
Benzo(a)anthracene	3.64 / 5.38	8.31	53.9*
Benzo(a)pyrene	< 0.20 / < 0.20	6.74	41.6*
Benzo(b)fluoranthene	< 1.00 / 5.08	6.69	65.7*
Benzo(g,h,i)perylene	2.82 / 2.87	3.44	< 25.0
Benzo(k)fluoranthene	< 1.00 / 1.84	4.05	27.2*
Chrysene	3.31 / 5.05	7.10	82.4*
Fluoranthene	7.64 / 13.7	21.2	165
Indeno(1,2,3-cd)pyrene	2.11 / 2.60	3.39	35.7*
Naphthalene	< 1.00 / 35.6	126	< 25.0
Pyrene	6.07 / 10.6	15.5	118

MW19-12B (9.1 - 12.2 m BGS)

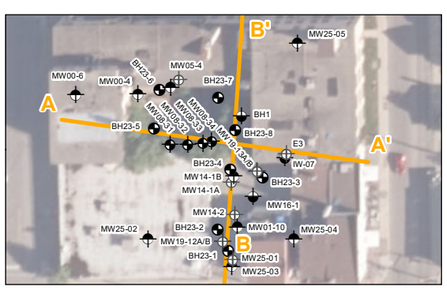
	06/29/2023	09/25/2024	06/17/2025
Anthracene	< 1.00 / < 0.20	2.55	0.23
Benzo(a)pyrene	< 1.00 / < 0.20	1.44	0.33
Benzo(b)fluoranthene	< 5.00 / < 1.00	1.09	< 0.50
Benzo(g,h,i)perylene	13.3 / 3.63	1.53	< 0.50
Chrysene	< 5.00 / < 1.00	1.79	0.82
Indeno(1,2,3-cd)pyrene	8.52 / 2.28	1.01	< 0.50

MW14-1B (4.2 - 7.2 m BGS)

	06/30/2023	06/16/2025
Anthracene	2.72	< 0.20 / 0.03
Benzo(a)pyrene	0.86	< 0.20 / 0.04
Benzo(g,h,i)perylene	1.03	< 1.00 / < 0.05
Naphthalene	21.0	7.39 / 4.74

MW14-2 (9.1 - 12.1 m BGS)

	06/29/2023
Benzo(a)pyrene	0.98
Benzo(b)fluoranthene	1.56
Benzo(g,h,i)perylene	1.48
Benzo(k)fluoranthene	0.64
Chrysene	0.99
Indeno(1,2,3-cd)pyrene	0.85



MW1-15 (OS m)

Well ID (os - offset)

Sand

Stratigraphy

Water Table (June 18, 2025)

Well Screen

Legend

- Gas Line
- Water Line
- Building
- Overburden
- Bedrock
- Well Screen
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)
- One or More Groundwater Parameters Exceed Regulatory Standards (2011 MECP Table 7 SCS)
- * Groundwater Parameter Exceeds Stantec Property Specific Standard from Risk Assessment

*Gas and water lines are approximately 1.3 m BGS

Sample ID (Screen Interval) | Date

MW19-12B (9.1 - 12.2 m BGS) | 06/29/2023

Benzo(g,h,i)perylene (Parameter) | 13.3 / 3.63 (Parameters Exceed Table 7 SCS)

1x Vertical Exaggeration

0 5 10 metres

1:200 (At original document size of 11x17)

Stantec

Parameter	Units	MECP 2011 Table 7 SCS	Stantec Property Specific Standard
Anthracene	µg/L	1	6.68
Benzo(a)anthracene	µg/L	1.8	9.97
Benzo(a)pyrene	µg/L	0.81	12.47
Benzo(b)fluoranthene	µg/L	0.75	8.03
Benzo(g,h,i)perylene	µg/L	0.2	16
Benzo(k)fluoranthene	µg/L	0.4	6
Chrysene	µg/L	0.7	8.52
Fluoranthene	µg/L	44	-
Indeno(1,2,3-cd)pyrene	µg/L	0.2	10.2
Naphthalene	µg/L	7	151
Pyrene	µg/L	5.7	-

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
10c

Title
Cross Section B-B¹: Groundwater Analytical Results for PAHs

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. Table 7 - All Types of Property Use - Coarse Textured Soils
7. PAHs - Polycyclic Aromatic Hydrocarbons

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B
SOUTH

B'
NORTH

Courtyard

Alley and Parking

340 Parkdale Avenue

Hamilton Avenue

Right of Way

Parkdale Avenue

Right of Way

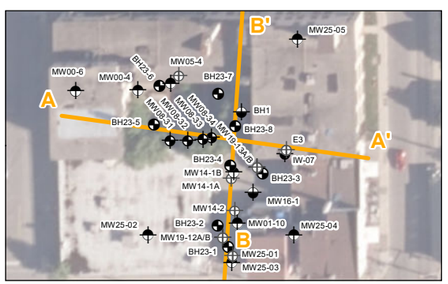
MW25-03 (OS - 0.4 m)
MW25-01 (OS - 1.8 m)
MW19-12A/B(OS - 0.9m)
MW1-10(OS - 1.6m)
MW14-2(OS - 1.2m)
MW16-1(OS - 4.8m)
MW14-1A(OS - 0m)
MW14-1B(OS - 0.5m)
BH1(OS - 1.2m)
MW25-02 (OS - 12.0 m)

Water Line
Gas Line

Asphalt
Granular (Fill)
Sand
Limestone
Gravel
Fill/Sandy Till
Overburden
Fill
Bedrock
Concrete / Granular (Fill)
Dolostone

6/17/2025
6/16/2025
6/18/2025

Elevation (mAMSL)



MW1-15 (OS m)
Sand
Well ID (os - offset)
Stratigraphy
Water Table (June 18, 2025)
Well Screen

Legend
- Gas Line
- Water Line
- Building
- Overburden
- Bedrock
- Well Screen
- Groundwater Parameters Tested Met Regulatory Standards (2011 MECP Table 7 SCS)

1x Vertical Exaggeration
0 5 10 metres
1:200 (At original document size of 11x17)

Notes
1. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
2. mAMSL - metres above mean sea level.
3. MECP - Ministry of the Environment, Conservation and Parks
4. SCS - site condition standards
5. Table 7 - All Types of Property Use - Coarse Textured Soils

*Gas and water lines are approximately 1.3 m BGS

Stantec

Project Location
Ottawa, ON

122170424 REVD
Prepared by clee on 2025-09-12

Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
10d

Title
Cross Section B-B¹: Groundwater Analytical Results for Metals

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WIND EROSION

BIRD RECEPTORS

SOIL INGESTION / DERMAL CONTACT
FOOD / PREY INGESTION
AIR INHALATION OF VAPOURS

SOIL
DERMAL CONTACT/ INCIDENTAL INGESTION (RESIDENT, OUTDOOR WORKER)
INHALATION OF VOLATILES (INDOOR, OUTDOOR, AND TRENCH AIR)
SOIL LEACHING TO GROUNDWATER
INGESTION OF VEGETATION (GARDEN PRODUCE FOR RESIDENTS)

GROUNDWATER
INHALATION OF VOLATILES (INDOOR, OUTDOOR, AND TRENCH AIR)
DIRECT CONTACT AND INHALATION EXPOSURE OF FREE-PHASE PRODUCT (LNAPL)
INGESTION OF VEGETATION (GARDEN PRODUCE FOR RESIDENTS) EXPOSURE OF FREE-PHASE PRODUCT (LNAPL)

SOIL
DERMAL CONTACT/ INCIDENTAL INGESTION (RESIDENT, OUTDOOR WORKER)
INHALATION OF VOLATILES (INDOOR, OUTDOOR, AND TRENCH AIR)
SOIL LEACHING TO GROUNDWATER
INGESTION OF VEGETATION (GARDEN PRODUCE FOR RESIDENTS)

GROUNDWATER
INHALATION OF VOLATILES (INDOOR, OUTDOOR, AND TRENCH AIR)
DIRECT CONTACT AND INHALATION EXPOSURE OF FREE-PHASE PRODUCT (LNAPL)
INGESTION OF VEGETATION (GARDEN PRODUCE FOR RESIDENTS) EXPOSURE OF FREE-PHASE PRODUCT (LNAPL)

GROUNDWATER TO SURFACE WATER AND INGESTION OF AQUATIC BIOTA

ORNAMENTAL PLANTS

SOIL INGESTION / DERMAL CONTACT/ PLANT UPTAKE

SITE LIMITS

ADULT OUTDOOR WORKER AND SITE VISITOR/TRESPASSER RECEPTORS

Occupied Building

RESIDENT (TODDLER AND COMPOSITE) ADULT INDOOR WORKER RECEPTORS

SOIL INGESTION / DERMAL CONTACT
FOOD / PREY INGESTION
AIR INHALATION OF VAPOURS

MAMMAL RECEPTORS

AQUATIC LIFE RECEPTORS

ADULT SUBSURFACE WORKER RECEPTOR

DERMAL CONTACT/ INCIDENTAL INGESTION OF SOIL
INHALATION OF SOIL PARTICULATES
INHALATION OF VOLATILES
DIRECT CONTACT AND INHALATION EXPOSURE OF FREE-PHASE PRODUCT (LNAPL)
INCIDENTAL DERMAL CONTACT WITH GROUNDWATER
INCIDENTAL INGESTION OF GROUNDWATER

PHCS, VOCS, AND PAHS IN SOIL

SOIL INVERTEBRATES
SOIL INGESTION / DERMAL CONTACT WITH SOIL AND GROUNDWATER
PLANT UPTAKE
PLANT INGESTION

METALS IN SOIL

PHCS AND VOCS IN GROUNDWATER

NOT TO SCALE

Legend
- Groundwater Level
- Waterbody

Stantec

Project Location
Ottawa, ON

122170424 REVC
Prepared by CL on 2025-09-12

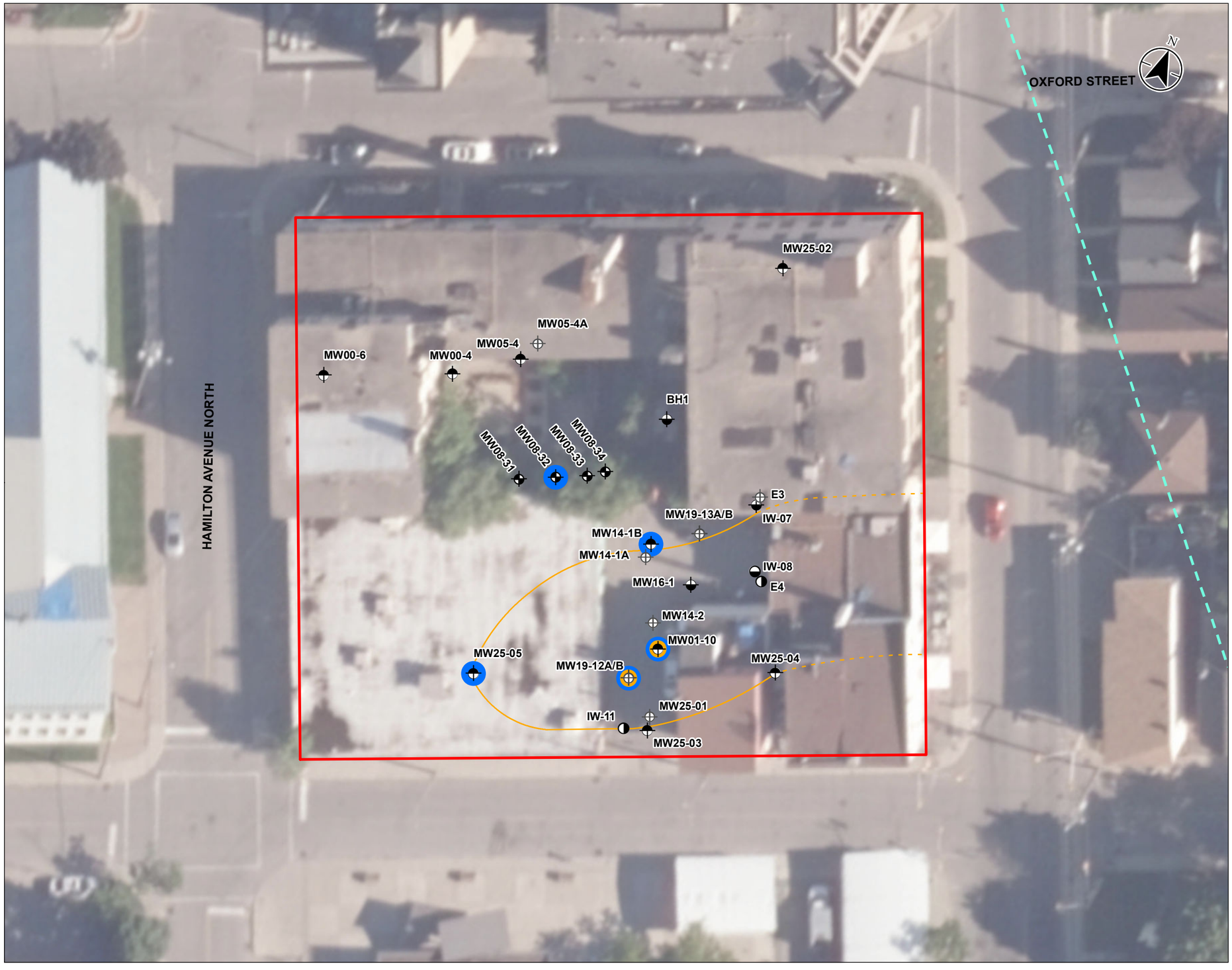
Client/Project
Taggart Realty Management
Supplemental Phase Two ESA
Proposed Hintonburg Development

Figure No.
11

Title
Human Health and Ecological CSM

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Stantec

Legend

- Shallow Monitoring Well
- Shallow/Intermediate Monitoring Well
- Intermediate Injection Well
- Intermediate Monitoring Well
- Deep Injection Well
- Deep Monitoring Well
- Geological Fault
- Delineated 2025 Extent of LNAPL - Sheen Observed
- Undelineated LNAPL Plume - LNAPL Reported Offsite in 2025 by Others
- Approximate Site Boundary
- Sheen Observed
- Groundwater Concentration above the Half-Solubility Limit, Indicating the Potential for Free Product Formation

IW - Injection Well
BH - Borehole
MW - Monitoring Well

0 10 20 metres

1:400 (At original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 UTM Zone 18N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © King's Printer for Ontario, 2023.
3. Orthoimagery © City of Ottawa, 2025. Imagery Date, 2022.
4. The extents of LNAPL were drawn to the next 'clean' (no LNAPL observed, or groundwater concentrations below the half-solubility limits) monitoring well, as per O.Reg 153/04



Project Location
Ottawa, ON

122170424 REVE
Prepared by CL on 2025-12-15

Client/Project
Taggart Realty Management
Phase Two ESA Update
Proposed Hintonburg Development

Figure No.
12

Title
Interpreted Extent of LNAPL

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Tables

Table I
Summary of Groundwater Monitoring Results
Proposed Hintonburg Development
Taggart Realty Management

Monitoring Location	Monitoring Date (dd-mmm-yy)	Depth Classification	Screened Interval (m BGS)	Ground Surface Elevation (m ASL)	Top of Pipe Elevation (m ASL)	Water Level Elevation (m ASL)	Water Level Depth (m BTOP)	Water Level Depth (m BGS)	Liquid-Phase Petroleum Hydrocarbon Apparent Thickness (mm)	Well Headspace Combustible Vapour Concentration (ppm_v)	Well Headspace Total Organic Vapour Concentrations (ppm_v)
BH1	26-Jun-23	Deep	16.4 - 17.9	62.97	62.37	39.29	23.08	23.68	0	<5	<0.02
	18-Jun-25					40.81	21.56	22.16	0	<5	<0.02
E3	26-Jun-23	Intermediate	2.5 - 11.02	62.81	62.66	57.24	5.42	5.57	0	720	230
	16-Jun-25					56.29	6.37	6.52	0	100	21
MW00-4	26-Jun-23	Shallow	1.4 - 2.9	62.02	62.12	60.88	1.24	1.14	0	<5	<0.02
	25-Sep-24					60.13	1.99	1.89	0	<5	<0.02
	18-Jun-25					60.24	1.88	1.78	0	10	6
MW00-6	28-Jun-23	Shallow	1.67 - 3.17	62.13	61.92	60.36	1.56	1.77	0	40	15
	08-Aug-25					59.80	2.12	2.33	0	<5	<0.02
MW01-10	26-Jun-23	Shallow	1.1 - 4.29	62.59	62.51	60.75	1.76	1.84	0	<5	<0.02
	27-Sep-24					60.65	1.86	1.94	LPH globules	4	<0.02
	17-Jun-25					60.33	2.18	2.26	Sheen	<5	1
MW05-4	26-Jun-23	Shallow	4.6 - 6.04	62.03	62.09	58.09	4.00	3.94	0	<5	<0.02
	26-Sep-24					58.19	3.90	3.84	0	<5	<0.02
	18-Jun-25					58.45	3.64	3.58	0	<5	<0.02
MW05-4A	26-Jun-23	Intermediate	6.2 - 9.1	62.05	62.11	56.55	5.56	5.5	0	<5	<0.02
	26-Sep-24					56.56	5.55	5.49	0	<5	<0.02
	18-Jun-25					56.90	5.21	5.15	0	<5	<0.02
MW08-31A	30-Jun-23	Shallow	3.0 - 6.0	61.98	62.80	57.65	5.15	4.33	0	<5	<0.02
	26-Sep-24					57.48	5.32	4.5	0	<5	<0.02
	18-Jun-25					57.55	5.25	4.43	0	<5	<0.02
MW08-32A	30-Jun-23	Shallow	4.0 - 6.0	62.03	62.99	58.75	4.24	3.28	0	<5	<0.02
	26-Sep-24					59.12	3.87	2.91	Sheen	<5	<0.02
	18-Jun-25					58.88	4.11	3.15	0	<5	<0.02
MW08-33A	30-Jun-23	Shallow	4.0 - 6.0	62.29	62.23	55.30	6.93	6.99	0	<5	16
	26-Sep-24					56.93	5.30	5.36	0	<5	<0.02
	18-Jun-25					NC	NM	NC	0	<5	<0.02
MW08-34	26-Jun-23	Shallow	3.0 - 8.8	62.26	62.35	56.45	5.90	5.81	0	<5	3
	26-Sep-24					56.78	5.57	5.48	0	<5	<0.02
	18-Jun-25					57.05	5.30	5.21	0	<5	11
MW14-1A	27-Jun-23	Intermediate	9.2 - 12.2	62.58	62.49	58.04	4.45	4.54	0	33 % LEL	39
	27-Sep-24					57.99	4.50	4.59	0	80	21
	16-Jun-25					57.28	5.21	5.30	0	50	9
MW14-1B	27-Jun-23	Shallow	4.2 - 7.2	62.57	62.49	58.33	4.16	4.24	0	5	39
	27-Sep-24					57.88	4.61	4.69	Sheen	<5	<0.02
	16-Jun-25					58.48	4.01	4.09	0	40	22
MW14-2	26-Jun-23	Intermediate	9.1 - 12.1	62.54	62.48	59.21	3.27	3.33	Sheen	12% LEL	57
	17-Jun-25					55.99	6.49	6.55	0	30	8
MW16-01	26-Jun-23	Deep	19 - 22	62.67	62.59	54.47	8.12	8.2	0	55	<0.02
	25-Sep-24					58.97	3.62	3.7	0	<5	1
	16-Jun-25					58.88	3.71	3.79	0	12	10
MW19-12A	28-Jun-23	Deep	15.2 - 18.3	62.68	62.62	58.41	4.21	3.87	0	470	77
	25-Sep-24					58.04	4.58	4.24	0	10	6
	17-Jun-25					58.43	4.19	3.85	0	55	210
MW19-12B	28-Jun-23	Intermediate	9.1 - 12.2	62.68	62.62	58.43	4.19	3.85	Sheen	<5	99
	25-Sep-24					54.47	8.15	7.81	Sheen	1150	60
	17-Jun-25					58.39	4.23	3.89	Sheen	90	246
MW19-13A	27-Jun-23	Deep	15.2 - 18.3	62.66	62.57	53.56	9.01	9.10	0	410	87
	25-Sep-24					58.17	4.40	4.49	0	40	67
	17-Jun-25					NC	NM	NC	0	35	41
MW19-13B	27-Jun-23	Intermediate	8.6-11.6	62.66	62.57	NC	NM	NC	0	16 % LEL	309
	25-Sep-24					54.76	7.81	7.90	0	5	7
	17-Jun-25					NC	NM	NC	0	30 % LEL	293
MW25-1	17-Jun-25	Intermediate	9.2 - 12.3	62.74	62.59	57.17	5.42	5.57	0	160	41
MW25-2	18-Jun-25	Shallow	1.6 - 4.7	62.34	62.24	60.30	1.94	2.04	0	<5	<0.02
MW25-3	17-Jun-25	Shallow	1.9 - 5.0	62.78	62.71	60.37	2.34	2.41	0	<5	2
MW25-4	16-Jun-25	Shallow	1.6 - 2.7	62.92	62.81	60.62	2.19	2.30	0	<5	<0.02
MW25-5	16-Jun-25	Shallow	1.9 - 5.0	62.46	62.41	60.36	2.05	2.10	0	45	52

Notes:

m RTD	Metres relative to datum
m BTOP	Metres below top of pipe
m BGS	Metres below ground surface
mm	Millimetres
ppm_v	Parts per million by volume
NS	Not Surveyed
NC	Not Calcuable
NM	Not Monitored
% LEL	Lower explosive limit. 1% LEL is equivalent to 110 ppm based on hexane calibration

Table II
Summary of Soil Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				BH23-1			BH23-2			BH23-3	BH23-4	BH23-5	BH23-6	BH23-7	BH23-8	MW25-03		MW25-04
Sample Date				26-Jun-23	26-Jun-23		26-Jun-23	26-Jun-23		26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-May-25	26-May-25	27-May-25
Sample ID				BH23-1	QC-01		BH23-2	QC-02		BH23-3	BH23-4	BH23-5	BH23-6	BH23-7	BH23-8	MW25-3-1	MW25-3-2	MW25-4-1
Sample Depth				0.3 - 1.2 m	0.3 - 1.2 m		0.3 - 1.5 m	0.3 - 1.5 m		0.1 - 0.4 m	0.1 - 0.7 m	0.1 - 1 m	0.1 - 0.7 m	0.1 - 0.8 m	0.1 - 1 m	0.15 - 0.76 m	0.76 - 1.37 m	0.46 - 1.04 m
Sampling Company				STANTEC	STANTEC		STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARACEL	PARACEL		PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order				2326112	2326112		2326112	2326112		2326112	2326112	2326112	2326112	2326112	2326112	2522266	2522266	2522266
Laboratory Sample ID				2326112-01	2326112-02		2326112-04	2326112-03		2326112-05	2326112-06	2326112-07	2326112-08	2326112-09	2326112-10	2522266-01	2522266-02	2522266-03
Sample Type	Units	Site Specific	Ontario SCS		Field Duplicate	RPD (%)		Field Duplicate	RPD (%)									
General Chemistry																		
Cyanide (Free)	µg/g	n/v	0.051[B]	<0.03	-	-	<0.03	<0.03	nc	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	-	-	-
Electrical Conductivity, Lab	µS/cm	n/v	700[B]	**994[B]**	-	-	338	300	12%	**897[B]**	**999[B]**	138	120	177	134	-	-	-
Fraction of Organic Carbon Rep.#1	g/g	n/v	n/v	0.046 CA	0.048 CA	4%	-	-	-	-	-	-	-	0.077 CA	0.067 CA	-	-	-
Fraction of Organic Carbon Rep.#2	g/g	n/v	n/v	0.049 CA	0.053 CA	8%	-	-	-	-	-	-	-	0.075 CA	0.063 CA	-	-	-
Fraction of Organic Carbon Rep.#3	g/g	n/v	n/v	0.049 CA	0.050 CA	2%	-	-	-	-	-	-	-	0.078 CA	0.069 CA	-	-	-
pH, lab	S.U.	n/v	n/v	7.49	-	-	7.86	7.62	3%	7.73	7.69	7.93	7.83	7.96	7.87	-	-	-
Sodium Adsorption Ratio (SAR)	none	n/v	5[B]	1.71	-	-	0.22	0.25	13%	1.04	3.27	0.10	0.09	0.07	0.08	-	-	-
Physical Properties																		
Percent Solids	%wt	n/v	n/v	85.9	-	-	94.6	94.4	0%	94.0	92.5	97.1	96.8	94.6	95.7	81.4	87.5	82.6
Sieve - #200 (<0.075mm)	%	n/v	n/v	36.6	-	-	-	-	-	-	-	-	22.2	27.7	28.8	-	-	-
Sieve - #200 (>0.075mm)	%	n/v	n/v	63.4	-	-	-	-	-	-	-	-	77.8	72.3	71.2	-	-	-
Texture	%	n/v	n/v	Coarse	-	-	-	-	-	-	-	-	Coarse	Coarse	Coarse	-	-	-
Petroleum Hydrocarbons																		
PHC F1 (C6-C10 range) minus BTEX	µg/g	n/v	55_{s7}[B]	<7	-	-	<7	<7	nc	<7	<7	<7	<7	<7	<7	<7	<7	<7
PHC F2 (>C10-C16 range)	µg/g	n/v	98_{s15}[B]	72	-	-	33	<4	nc	<4	<4	<4	<4	<4	12	<4	<4	<4
PHC F3 (>C16-C34 range)	µg/g	1,224[A]	300_{s8}[B]	**1,020 OD[B]**	-	-	163	61	**91%**	85	116 OD	149	188	64	62	30	<8	48
PHC F4 (>C34-C50 range)	µg/g	n/v	$2,800_{s10}$[B]	846 BX	-	-	652 BX	356 BX	**59%**	220 BX	177 BX	488 BX	604 BX	159 BX	130 BX	19	<6	7
PHC F4 (>C34) Gravimetric	µg/g	n/v	$2,800_{s10}$[B]	594	-	-	254	402	45%	341	476	443	1,110	180	178	-	-	-
Metals																		
Antimony	µg/g	n/v	7.5[B]	3.7	-	-	<1.0	<1.0	nc	<1.0	2.8	<1.0	<1.0	2.7	<1.0	2.5	<1.0	5.0
Arsenic	µg/g	n/v	18[B]	6.0	-	-	4.3	4.4	nc	4.4	7.6	2.4	2.7	4.4	3.1	13.0	2.6	5.9
Barium	µg/g	n/v	390[B]	172	-	-	91.3	101	10%	124	222	179	179	144	130	348	116	190
Beryllium	µg/g	n/v	4[B]	0.6	-	-	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	0.8	<0.5	<0.5
Boron	µg/g	n/v	120_{s16}[B]	15.7	-	-	8.8	11.2	nc	10.6	22.1	13.2	16.3	16.3	14.9	17.6	16.4	24.5
Boron (Available)	µg/g	n/v	1.5_{s16}[B]	-	-	-	-	-	-	-	-	-	-	-	-	1.3	**2.5[B]**	<0.5
Cadmium	µg/g	2.4[A]	1.2[B]	<0.5	-	-	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	**2.0[B]**	<0.5	0.6	<0.5	<0.5
Chromium	µg/g	n/v	160[B]	20.6	-	-	13.4	15.8	nc	14.8	18.2	11.5	16.5	17.1	18.2	30.4	20.8	30.5
Chromium (Hexavalent)	µg/g	n/v	8[B]	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	<0.2
Cobalt	µg/g	n/v	22[B]	7.9	-	-	6.9	7.9	14%	7.2	8.8	5.1	6.3	7.7	6.0	11.5	6.5	7.6
Copper	µg/g	n/v	140[B]	68.0	-	-	13.6	16.3	nc	19.1	38.5	19.0	16.6	22.6	88.1	108	13.5	54.7
Lead	µg/g	245[A]	120[B]	**204[B]**	-	-	14.7	23.2	45%	61.5	**129[B]**	12.9	24.0	21.5	23.5	**201[B]**	24.2	**265[AB]**
Mercury	µg/g	n/v	0.27[B]	-	-	-	-	-	-	-	-	-	-	-	-	0.1	<0.1	0.1
Molybdenum	µg/g	n/v	6.9[B]	3.3	-	-	2.6	2.4	nc	2.6	2.3	<1.0	<1.0	3.4	1.7	4.9	2.2	2.4
Nickel	µg/g	n/v	100[B]	17.0	-	-	12.9	15.2	nc	14.3	18.2	12.5	14.6	16.3	14.3	26.2	12.5	17.4
Selenium	µg/g	n/v	2.4[B]	<1.0	-	-	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	1.2	<1.0	<1.0
Silver	µg/g	n/v	20[B]	0.4	-	-	<0.3	<0.3	nc	<0.3	<0.3	<0.3	<0.3	2.2	0.4	<0.3	0.3	0.4
Thallium	µg/g	2.76[A]	1[B]	<1.0	-	-	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	**2.3[B]**	<1.0	<1.0	<1.0	<1.0
Uranium	µg/g	n/v	23[B]	<1.0	-	-	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	2.2	<1.0	<1.0	<1.0	<1.0
Vanadium	µg/g	n/v	86[B]	25.2	-	-	18.8	19.0	nc	20.7	22.8	10.1	14.1	13.9	16.2	32.2	19.0	23.1
Zinc	µg/g	n/v	340[B]	136	-	-	24.4	37.2	nc	54.4	134	35.4	71.2	56.3	89.6	188	23.9	199
Metals-SPLP																		
Antimony	µg/L	n/v	n/v	4.2	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Arsenic	µg/L	n/v	n/v	1.2	-	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-	-
Barium	µg/L	n/v	n/v	35.8	-	-	-	-	-	-	-	-	-	20.2	15.8	-	-	-
Beryllium	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Boron	µg/L	n/v	n/v	40.4	-	-	-	-	-	-	-	-	-	32.7	41.2	-	-	-
Cadmium	µg/L	n/v	n/v	<0.2	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	-
Chromium	µg/L	n/v	n/v	1.3	-	-	-	-	-	-	-	-	-	1.1	1.3	-	-	-
Cobalt	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Copper	µg/L	n/v	n/v	8.7	-	-	-	-	-	-	-	-	-	0.6	1.0	-	-	-
Lead	µg/L	n/v	n/v	21.1	-	-	-	-	-	-	-	-	-	0.5	<0.2	-	-	-
Molybdenum	µg/L	n/v	n/v	8.9	-	-	-	-	-	-	-	-	-	1.2	1.6	-	-	-
Nickel	µg/L	n/v	n/v	1.5	-	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-	-
Selenium	µg/L	n/v	n/v	<1.0	-	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-	-
Silver	µg/L	n/v	n/v	<0.2	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	-
Thallium	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Uranium	µg/L	n/v	n/v	0.4	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	-
Vanadium	µg/L	n/v	n/v	2.0	-	-	-	-	-	-	-	-	-	1.5	1.8	-	-	-
Zinc	µg/L	n/v	n/v	15.8	-	-	-	-	-	-	-	-	-	<5.0	<5.0	-	-	-

See notes in last page.

Table II
Summary of Soil Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				BH23-1			BH23-2			BH23-3	BH23-4	BH23-5	BH23-6	BH23-7	BH23-8	MW25-03		MW25-04
Sample Date				26-Jun-23	26-Jun-23		26-Jun-23	26-Jun-23		26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-May-25	26-May-25	27-May-25
Sample ID				BH23-1	QC-01		BH23-2	QC-02		BH23-3	BH23-4	BH23-5	BH23-6	BH23-7	BH23-8	MW25-3-1	MW25-3-2	MW25-4-1
Sample Depth				0.3 - 1.2 m	0.3 - 1.2 m		0.3 - 1.5 m	0.3 - 1.5 m		0.1 - 0.4 m	0.1 - 0.7 m	0.1 - 1 m	0.1 - 0.7 m	0.1 - 0.8 m	0.1 - 1 m	0.15 - 0.76 m	0.76 - 1.37 m	0.46 - 1.04 m
Sampling Company				STANTEC	STANTEC		STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARACEL	PARACEL		PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order				2326112	2326112		2326112	2326112		2326112	2326112	2326112	2326112	2326112	2326112	2522266	2522266	2522266
Laboratory Sample ID				2326112-01	2326112-02		2326112-04	2326112-03		2326112-05	2326112-06	2326112-07	2326112-08	2326112-09	2326112-10	2522266-01	2522266-02	2522266-03
Sample Type	Units	Site Specific	Ontario SCS		Field Duplicate	RPD (%)		Field Duplicate	RPD (%)									
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene	µg/g	n/v	7.9[B]	0.53	-	-	<0.02	<0.02	nc	<0.02	1.24	<0.02	0.04	0.03	0.11	0.77	<0.02	0.84
Acenaphthylene	µg/g	0.56[A]	0.15[B]	**0.47[B]**	-	-	<0.02	<0.02	nc	0.02	0.10	<0.02	0.02	0.12	0.06	0.11	<0.02	<0.02
Anthracene	µg/g	2.56[A]	0.67[B]	**1.69[B]**	-	-	0.03	<0.02	nc	<0.02	**2.13[B]**	<0.02	0.09	0.12	0.25	**2.35[B]**	<0.02	**2.89[AB]**
Benzo(a)anthracene	µg/g	4.62[A]	0.5[B]	**2.67[B]**	-	-	0.04	0.02	nc	0.07	**3.85[B]**	0.04	0.23	0.30	**0.60[B]**	**3.71[B]**	0.04	**3.93[B]**
Benzo(a)pyrene	µg/g	5.47[A]	0.3[B]	**2.69[B]**	-	-	0.04	0.02	nc	0.08	**2.87[B]**	0.04	0.20	0.30	**0.48[B]**	**2.96[B]**	0.04	**2.90[B]**
Benzo(b)fluoranthene	µg/g	4.27[A]	0.78[B]	**2.81[B]**	-	-	0.05	0.03	nc	0.10	**3.56[B]**	0.06	0.27	0.38	0.59	**2.53[B]**	0.03	**2.51[B]**
Benzo(g,h,i)perylene	µg/g	n/v	6.6[B]	1.88	-	-	0.03	0.03	nc	0.07	1.47	0.05	0.16	0.22	0.27	2.01	0.03	1.83
Benzo(k)fluoranthene	µg/g	2.38[A]	0.78[B]	**1.50[B]**	-	-	0.02	<0.02	nc	0.05	**1.98[B]**	0.03	0.13	0.20	0.32	**1.62[B]**	<0.02	**1.47[B]**
Chrysene	µg/g	n/v	7[B]	2.45	-	-	0.04	0.02	nc	0.06	3.51	0.04	0.20	0.26	0.59	3.22	0.04	3.72
Dibenzo(a,h)anthracene	µg/g	0.55[A]	0.1[B]	**0.46[B]**	-	-	<0.02	<0.02	nc	<0.02	**0.42[B]**	<0.02	0.04	0.05	0.08	**0.75[AB]**	<0.02	**0.49[B]**
Fluoranthene	µg/g	12.8[A]	0.69[B]	**6.64[B]**	-	-	0.09	0.05	nc	0.14	**10.7[B]**	0.10	0.56	**0.73[B]**	**1.58[B]**	**9.50[B]**	0.08	**10.6[B]**
Fluorene	µg/g	n/v	62[B]	0.62	-	-	<0.02	<0.02	nc	<0.02	1.23	<0.02	0.04	0.04	0.13	0.85	<0.02	1.50
Indeno(1,2,3-cd)pyrene	µg/g	1.9[A]	0.38[B]	**1.58[B]**	-	-	0.02	<0.02	nc	0.05	**1.40[B]**	0.03	0.11	0.19	0.25	**1.67[B]**	0.02	**1.57[B]**
Methylnaphthalene (Total)	µg/g	n/v	0.99_{s3}[B]	0.11	-	-	<0.04	<0.04	nc	<0.04	0.26	<0.04	<0.04	<0.04	0.04	**1.23[B]**	<0.04	**1.17[B]**
Methylnaphthalene, 1-	µg/g	n/v	$_{s3}$[B]	0.05	-	-	<0.02	<0.02	nc	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	0.61	<0.02	0.64
Methylnaphthalene, 2-	µg/g	n/v	$_{s3}$[B]	0.06	-	-	<0.02	<0.02	nc	<0.02	0.14	<0.02	<0.02	<0.02	0.02	0.62	<0.02	0.53
Naphthalene	µg/g	n/v	0.6[B]	0.11	-	-	<0.01	<0.01	nc	0.01	0.21	<0.01	0.01	0.02	0.05	0.42	<0.01	0.32
Phenanthrene	µg/g	12.5[A]	6.2[B]	5.40	-	-	0.09	0.05	nc	0.09	**10.4[B]**	0.07	0.48	0.46	1.31	**7.69[B]**	0.05	**10.8[B]**
Pyrene	µg/g	n/v	78[B]	5.77	-	-	0.08	0.05	nc	0.13	8.11	0.09	0.46	0.58	1.20	7.55	0.07	7.81
Volatile Organic Compounds																		
Acetone	µg/g	n/v	16[B]	<0.50	-	-	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	µg/g	n/v	0.21[B]	<0.02	-	-	<0.02	<0.02	nc	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	µg/g	n/v	13[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform (Tribromomethane)	µg/g	n/v	0.27[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane (Methyl bromide)	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride (Tetrachloromethane)	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene (Monochlorobenzene)	µg/g	n/v	2.4[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform (Trichloromethane)	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	µg/g	n/v	9.4[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	µg/g	n/v	3.4[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	µg/g	n/v	4.8[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	µg/g	n/v	0.083[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane (Freon 12)	µg/g	n/v	16[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	µg/g	n/v	3.5[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethene, 1,1-	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethene, cis-1,2-	µg/g	n/v	3.4[B]	0.17	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethene, trans-1,2-	µg/g	n/v	0.084[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/g	n/v	0.05_{s11}[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, cis-1,3-	µg/g	n/v	$_{s11}$[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, trans-1,3-	µg/g	n/v	$_{s11}$[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g	n/v	2[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexane (n-Hexane)	µg/g	n/v	2.8[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/g	n/v	16[B]	<0.50	-	-	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone (MIBK)	µg/g	n/v	1.7[B]	<0.50	-	-	<0.50	<0.50	nc	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether (MTBE)	µg/g	n/v	0.75[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride (Dichloromethane)	µg/g	n/v	0.1[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g	n/v	0.7[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	µg/g	n/v	0.058[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethene (PCE)	µg/g	4.73[A]	0.28[B]	**1.48[B]**	-	-	**3.94[B]**	**3.92[B]**	1%	**0.30[B]**	**0.90[B]**	**0.60[B]**	**0.55[B]**	0.25	**1.95[B]**	**3.30[B]**	**0.36[B]**	**0.84[B]**
Toluene	µg/g	n/v	2.3[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,1-	µg/g	n/v	0.38[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	µg/g	n/v	0.05[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethene (TCE)	µg/g	0.43[A]	0.061[B]	**0.31[B]**	-	-	**0.36[B]**	**0.32[B]**	12%	<0.05	**0.14[B]**	<0.05	<0.05	<0.05	**0.08[B]**	**0.20[B]**	<0.05	<0.05
Trichlorofluoromethane (Freon 11)	µg/g	n/v	4[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	µg/g	n/v	0.02[B]	<0.02	-	-	<0.02	<0.02	nc	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Xylene, m & p-	µg/g	n/v	$_{s1}$[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	0.09
Xylene, o-	µg/g	n/v	$_{s1}$[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.10	<0.05	<0.05
Xylenes, Total	µg/g	n/v	3.1_{s1}[B]	<0.05	-	-	<0.05	<0.05	nc	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.17	<0.05	0.09

See notes in last page.

Table II
Summary of Soil Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				BH23-1			BH23-2			BH23-3	BH23-4	BH23-5	BH23-6	BH23-7	BH23-8	MW25-03		MW25-04
Sample Date				26-Jun-23	26-Jun-23		26-Jun-23	26-Jun-23		26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-Jun-23	26-May-25	26-May-25	27-May-25
Sample ID				BH23-1	QC-01		BH23-2	QC-02		BH23-3	BH23-4	BH23-5	BH23-6	BH23-7	BH23-8	MW25-3-1	MW25-3-2	MW25-4-1
Sample Depth				0.3 - 1.2 m	0.3 - 1.2 m		0.3 - 1.5 m	0.3 - 1.5 m		0.1 - 0.4 m	0.1 - 0.7 m	0.1 - 1 m	0.1 - 0.7 m	0.1 - 0.8 m	0.1 - 1 m	0.15 - 0.76 m	0.76 - 1.37 m	0.46 - 1.04 m
Sampling Company				STANTEC	STANTEC		STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARACEL	PARACEL		PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order				2326112	2326112		2326112	2326112		2326112	2326112	2326112	2326112	2326112	2326112	2522266	2522266	2522266
Laboratory Sample ID				2326112-01	2326112-02		2326112-04	2326112-03		2326112-05	2326112-06	2326112-07	2326112-08	2326112-09	2326112-10	2522266-01	2522266-02	2522266-03
Sample Type	Units	Site Specific	Ontario SCS		Field Duplicate	RPD (%)		Field Duplicate	RPD (%)									
Volatile Organic Compounds-SPLP																		
Bromomethane (Methyl bromide)	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	n/v	<0.2	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	n/v	<0.2	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	-
Dichloroethene, 1,1-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichloroethene, cis-1,2-	µg/L	n/v	n/v	<0.2	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	-
Dichloroethene, trans-1,2-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichloropropane, 1,2-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	n/v	<0.2	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Tetrachloroethene (PCE)	µg/L	n/v	n/v	2.2	-	-	-	-	-	-	-	-	-	<0.5	5.2	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	n/v	<0.5	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-
Trichloroethene (TCE)	µg/L	n/v	n/v	0.8	-	-	-	-	-	-	-	-	-	<0.5	<0.5	-	-	-

Notes:

Site Specific	Stantec Property Specific Standard from Risk Assessment
[A]	Property Specific Standard
Ontario SCS	Soil, Ground Water and Sediment Standards for Use under Part XV.I of the Environmental Protection Act (MOE, 2011) Site Condition Standards (SCS)
[B]	Table 7 - Residential / Parkland / Institutional Property Use - Coarse Textured Soils
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
<0.50	Laboratory reporting limit was greater than the applicable standard.
<0.03	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
s1B	Standard is applicable to total xylenes, and m & p-xylenes and o-xylenes should be summed for comparison.
s3B	Standard is applicable to both 1-methylnaphthalene and 2-methylnaphthalene, with the provision that if both are detected the sum of the two must not exceed the standard.
s7B	Standard is applicable to PHC in the F1 range minus BTEX.
s10B	If baseline is not reached during F4 analysis, then gravimetric analysis is to be performed, and the standard is applied to the higher of the two results.
s15B	Standard is applicable to PHC in the F2 range minus naphthalene. If naphthalene was not analyzed, the standard is applied to F2.
[B] s16	For surface soil, the boron standard is for hot water soluble extract. For subsurface soil, the standard is for total boron (mixed strong acid digest), as ecological criteria are not considered.
s16	For surface soil, the boron standard is for hot water soluble extract. For subsurface soil, the standard is for total boron (mixed strong acid digest), as ecological criteria are not considered.
BX	GC-FID signal did not return to baseline by C50
CA	Subcontracted analysis.
OD	ORG12 Peak(s) in the GC-FID Chromatogram are not typical of petroleum hydrocarbon distillates. May be the result of high concentrations of non-mineral based compounds not completely removed by the method cleanup.
RPD	Relative Percent Difference.
61%	RPD exceeds data quality objective of 50%.
	10% for Electrical Conductivity
	30% for PHCs, Metals, and Inorganics
	35% for FOC, and Cyanide
	40% for PAHs
	50% for VOCs
nc	RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				BH1	E3			MW00-4			MW00-6		MW01-10					MW05-4			MW05-4A		
Sample Date				18-Jun-25	29-Jun-23	7-Nov-24	16-Jun-25	28-Jun-23	26-Sep-24	18-Jun-25	29-Jun-23	5-Aug-25	29-Jun-23	29-Jun-23		25-Sep-24	17-Jun-25	28-Jun-23	26-Sep-24	18-Jun-25	28-Jun-23	26-Sep-24	18-Jun-25
Sample ID				BH1	E3	E3	E3	MW00-4	MW00-4	MW00-4	MW00-6	MW00-6	MW01-10	QC-02		MW1-10	MW01-10	MW05-4	MW05-4	MW05-4	MW05-4A	MW05-4A	MW05-4A
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order				2525382	2326467	2445512	2525069	2326467	2439560	2525382	2326467	2532120	2326467	2326467		2439560	2525246	2326467	2439560	2525382	2326467	2439560	2525382
Laboratory Sample ID				2525382-02	2326467-12	2445512-01	2525069-02	2326467-03	2439560-07	2525382-07	2326467-09	2532120-01	2326467-07	Field Duplicate	RPD	2439560-16	2525246-04	2326467-02	2439560-08	2525382-08	2326467-01	2439560-09	2525382-09
Sample Type	Units	Site Specific	Ontario SCS												(%)								
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	1,120	-	-	4	-	-	161	-	187	258	32%	-	-	266	-	-	1,150	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	<2	-	-	<2	-	-	<2	-	<2	<2	nc	-	-	<2	-	-	<2	-	-
pH, lab	S.U.	n/v	n/v	-	7.3	-	-	8.1	-	-	8.0	-	8.1	7.9	3%	-	-	7.8	-	-	7.7	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	<25	<25	-	<25	-	-	<25	**804[B]**	<25	<25	nc	**449[B]**	**38,100 VX[B]**	<25	-	-	<25	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	**359[B]**	<100	-	<100	-	-	<100	<100	<100	**918[B]**	nc	**313,000[B]**	**622,000[AB]**	<100	-	-	<100	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	**1,170[B]**	447	-	<100	-	-	<100	<100	**687[B]**	**3,610[B]**	136%	**317,000[B]**	**498,000[AB]**	<100	-	-	<100	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	471	166	-	<100	-	-	<100	<100	**616[B]**	**1,730[B]**	95%	**142,000 POS[B]**	**235,000 GA[AB]**	<100	-	-	<100	-	-
Metals (Dissolved)																							
Antimony	µg/L	n/v	16,000[B]	-	<0.5	-	-	0.5	-	-	0.6	-	1.3	1.2	nc	-	-	<0.5	-	-	<0.5	-	-
Arsenic	µg/L	n/v	1,500[B]	-	4	-	-	<1	-	-	<1	-	<1	<1	nc	-	-	<1	-	-	<1	-	-
Barium	µg/L	n/v	23,000[B]	-	2,690	-	-	74	-	-	109	-	87	61	35%	-	-	817	-	-	156	-	-
Beryllium	µg/L	n/v	53[B]	-	<0.5	-	-	<0.5	-	-	<0.5	-	<0.5	<0.5	nc	-	-	<0.5	-	-	<0.5	-	-
Boron	µg/L	n/v	36,000[B]	-	844	-	-	59	-	-	141	-	165	161	2%	-	-	194	-	-	483	-	-
Cadmium	µg/L	n/v	2.1[B]	-	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	<0.1	nc	-	-	<0.1	-	-	<0.1	-	-
Chromium	µg/L	n/v	640[B]	-	<1	-	-	<1	-	-	<1	-	<1	<1	nc	-	-	<1	-	-	<1	-	-
Cobalt	µg/L	n/v	52[B]	-	0.9	-	-	<0.5	-	-	1.2	-	6.4	<0.5	nc	-	-	<0.5	-	-	<0.5	-	-
Copper	µg/L	n/v	69[B]	-	<0.5	-	-	21.0	-	-	4.4	-	5.8	5.9	2%	-	-	2.3	-	-	0.6	-	-
Lead	µg/L	n/v	20[B]	-	<0.1	-	-	0.2	-	-	<0.1	-	0.1	0.1	nc	-	-	<0.1	-	-	<0.1	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	1.9	-	-	2.0	-	-	3.6	-	10.4	10.5	1%	-	-	2.8	-	-	2.4	-	-
Nickel	µg/L	n/v	390[B]	-	2	-	-	2	-	-	2	-	10	3	nc	-	-	1	-	-	2	-	-
Selenium	µg/L	n/v	50[B]	-	2	-	-	<1	-	-	<1	-	2	<1	nc	-	-	<1	-	-	<1	-	-
Silver	µg/L	n/v	1.2[B]	-	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	<0.1	nc	-	-	<0.1	-	-	<0.1	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	704,000	-	-	9,020	-	-	101,000	-	182,000	180,000	1%	-	-	121,000	-	-	570,000	-	-
Thallium	µg/L	n/v	400[B]	-	<0.1	-	-	<0.1	-	-	0.4	-	0.3	0.3	nc	-	-	<0.1	-	-	<0.1	-	-
Uranium	µg/L	n/v	330[B]	-	0.4	-	-	0.2	-	-	0.9	-	0.6	0.6	0%	-	-	0.1	-	-	0.2	-	-
Vanadium	µg/L	n/v	200[B]	-	<0.5	-	-	<0.5	-	-	<0.5	-	<0.5	<0.5	nc	-	-	0.8	-	-	<0.5	-	-
Zinc	µg/L	n/v	890[B]	-	<5	-	-	<5	-	-	<5	-	<5	<5	nc	-	-	<5	-	-	<5	-	-
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	0.13	<0.05	-	<0.05	-	-	<0.05	<0.05	<1.00	<1.00	nc	4.36	***<25.0 GEN9***	<0.05	-	-	<0.05	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	<1.00	<1.00	nc	<1.00 GEN9	***<25.0 GEN9***	<0.05	-	-	<0.05	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	0.05	0.01	-	<0.01	-	-	<0.01	<0.01	<0.20	<0.20	nc	**5.57[B]**	**20.2[AB]**	<0.01	-	-	<0.01	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	0.10	<0.01	-	<0.01	-	-	<0.01	<0.01	**3.64[B]**	**5.38[B]**	39%	**8.31[B]**	**53.9[AB]**	<0.01	-	-	<0.01	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	0.07	<0.01	-	<0.01	-	-	<0.01	<0.01	<0.20	<0.20	nc	**6.74[B]**	**41.6[AB]**	<0.01	-	-	<0.01	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	***<1.00***	**5.08[B]**	nc	**6.69[B]**	**65.7[AB]**	<0.05	-	-	<0.05	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	**2.82[B]**	**2.87[B]**	nc	**3.44[B]**	***<25.0 GEN9***	<0.05	-	-	<0.05	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	***<1.00***	**1.84[B]**	nc	**4.05[B]**	**27.2[AB]**	<0.05	-	-	<0.05	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	0.07	<0.05	-	<0.05	-	-	<0.05	<0.05	**3.31[B]**	**5.05[B]**	nc	**7.10[B]**	**82.4[AB]**	<0.05	-	-	<0.05	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	***<1.00***	***<1.00***	nc	***<1.00 GEN9***	***<25.0 GEN9***	<0.05	-	-	<0.05	-	-
Fluoranthene	µg/L	n/v	44[B]	-	0.22	0.05	-	<0.01	-	-	<0.01	<0.01	7.64	13.7	57%	21.2	**165[B]**	<0.01	-	-	<0.01	-	-
Fluorene	µg/L	n/v	290[B]	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	<1.00	<1.00	nc	4.38	32.3	<0.05	-	-	<0.05	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	<0.05	<0.05	-	<0.05	-	-	<0.05	<0.05	**2.11[B]**	**2.60[B]**	nc	**3.39[B]**	**35.7[AB]**	<0.05	-	-	<0.05	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1,500_{s3}$[B]	-	0.95	0.15	-	<0.10	-	-	<0.10	<0.10	<2.00	37.3	nc	137	524	<0.10	-	-	<0.10	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	0.43	0.08	-	<0.05	-	-	<0.05	<0.05	<1.00	13.6	nc	51.8	195	<0.05	-	-	<0.05	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	0.53	0.07	-	<0.05	-	-	<0.05	<0.05	<1.00	23.7	nc	85.7	330	<0.05	-	-	<0.05	-	-
Naphthalene	µg/L	151[A]	7[B]	-	0.79	0.29	-	<0.05	-	-	<0.05	<0.05	<1.00	**35.6[B]**	nc	**126[B]**	***<25.0 GEN9***	<0.05	-	-	<0.05	-	-
Phenanthrene	µg/L	n/v	380[B]	-	0.34	0.12	-	<0.05	-	-	<0.05	<0.05	<1.00	18.4	nc	34.2	234	<0.05	-	-	<0.05	-	-
Pyrene	µg/L	n/v	5.7[B]	-	0.20	0.03	-	<0.01	-	-	<0.01	<0.01	**6.07[B]**	**10.6[B]**	54%	**15.5[B]**	**118[B]**	<0.01	-	-	<0.01	-	-

See notes on last page.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				BH1	E3			MW00-4			MW00-6		MW01-10				MW05-4			MW05-4A		
Sample Date				18-Jun-25	29-Jun-23	7-Nov-24	16-Jun-25	28-Jun-23	26-Sep-24	18-Jun-25	29-Jun-23	5-Aug-25	29-Jun-23	29-Jun-23		25-Sep-24	17-Jun-25	28-Jun-23	26-Sep-24	18-Jun-25	28-Jun-23	26-Sep-24	18-Jun-25
Sample ID				BH1	E3	E3	E3	MW00-4	MW00-4	MW00-4	MW00-6	MW00-6	MW01-10	QC-02		MW01-10	MW01-10	MW05-4	MW05-4	MW05-4	MW05-4A	MW05-4A	MW05-4A
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order				2525382	2326467	2445512	2525069	2326467	2439560	2525382	2326467	2532120	2326467	2326467		2439560	2525246	2326467	2439560	2525382	2326467	2439560	2525382
Laboratory Sample ID				2525382-02	2326467-12	2445512-01	2525069-02	2326467-03	2439560-07	2525382-07	2326467-09	2532120-01	2326467-07	2326467-08		2439560-16	2525246-04	2326467-02	2439560-08	2525382-08	2326467-01	2439560-09	2525382-09
Sample Type	Units	Site Specific	Ontario SCS											Field Duplicate	RPD (%)								
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	<5.0	12,600	<5.0	26.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	µg/L	2,496[A]	0.5[B]	<0.5	**297[B]**	**326[B]**	<0.5	<0.5	**3.4[B]**	**6.2[B]**	<0.5	**4.6[B]**	<0.5	<0.5	nc	<0.5	**3.8[B]**	**19.1[B]**	**4.1[B]**	**1.0[B]**	<0.5	**1.2[B]**	**1.5[B]**
Bromodichloromethane	µg/L	n/v	67,000[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	4.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	µg/L	n/v	65,000[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloroethane, 1,1-	µg/L	n/v	11[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	<0.5	**7.0[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1.8[B]**	<0.5	**2.1[B]**	nc	**1.3[B]**	**34.8[B]**	**5.9[B]**	<0.5	**1.2[B]**	<0.5	**1.7[B]**	**1.8[B]**
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.5	**16,300[B]**	**29.1[B]**	**59.1[B]**	**65.8[B]**	**40.6[B]**	**87.5[B]**	**27.1[B]**	**4,380[B]**	**718[B]**	**1,680[B]**	80%	**2,360[B]**	**62,200[B]**	**10,700[B]**	**95.3[B]**	**5,710[B]**	**189[B]**	**2,010[B]**	**1,130[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	<0.5	**137[B]**	**3.9[B]**	**5.8[B]**	**8.9[B]**	**2.3[B]**	**3.9[B]**	<0.5	**11.4[B]**	**10.0[B]**	**17.6[B]**	55%	**14.9[B]**	**272[B]**	**48.8[B]**	**11.0[B]**	**29.4[B]**	**3.3[B]**	**13.8[B]**	**7.2[B]**
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	<0.5	<0.5	**3.0[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	192[A]	54[B]	<0.5	18.5	8.6	13.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.4	nc	1.8	<0.5	2.2	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hexane (n-Hexane)	µg/L	n/v	5[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	<5.0	162	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	<5.0	19.0	6.3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	µg/L	n/v	43[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	4.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	<0.5	**0.9[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.6[B]**	**108[B]**	<0.5	**4.2[B]**	**3.3[B]**	**2.6[B]**	<0.5	**15.9[B]**	**426[B]**	**592[B]**	**6,510[B]**	167%	**2,440[B]**	**109,000[B]**	**1.2[B]**	<0.5	**9.1[B]**	**4.6[B]**	**1.4[B]**	**9.9[B]**
Toluene	µg/L	2,064[A]	320[B]	<0.5	**544[B]**	**508[B]**	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	2.8	nc	1.1	114	5.6	1.7	0.8	<0.5	<0.5	0.6
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.5	**983[B]**	<0.5	**20.7[B]**	**1.4[B]**	**2.6[B]**	<0.5	**5.5[B]**	**232[B]**	**141[B]**	**1,120[B]**	155%	**970[B]**	**53,700[B]**	**3.0[B]**	**2.6[B]**	**13.2[B]**	**25.6[B]**	**115[B]**	**168[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.5	**12,800[B]**	**56.8[B]**	**101[B]**	**18.8[B]**	**17.9[B]**	**97.3[B]**	**3.1[B]**	**1,320[B]**	**11.1[B]**	**170[B]**	nc	**99.6[B]**	**4,160[B]**	**2,400[B]**	**84.1[B]**	**8.5[B]**	**55.0[B]**	**87.3[B]**	**161[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	<0.5	40.8	21.6	11.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.8	nc	3.7	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene, o-	µg/L	n/v	$_{s1}$[B]	<0.5	20.1	10.4	16.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.9	nc	2.6	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	<0.5	60.9	32.1	23.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	12.8	nc	6.4	<0.5	2.0	<0.5	<0.5	<0.5	<0.5	<0.5

See notes on last page.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-31A			MW08-32A			MW08-33A					MW08-34			MW14-1A			MW14-1B				
Sample Date				30-Jun-23	26-Sep-24	18-Jun-25	30-Jun-23	26-Sep-24	18-Jun-25	30-Jun-23	26-Sep-24	18-Jun-25	18-Jun-25		30-Jun-23	26-Sep-24	18-Jun-25	30-Jun-23	27-Sep-24	16-Jun-25	30-Jun-23	27-Sep-24	16-Jun-25	16-Jun-25	
Sample ID				MW08-31A	MW08-31A	MW08-31A	MW08-32A	MW08-32A	MW08-32A	MW08-33A	MW08-33A	MW08-33A	QC-02		MW08-34	MW08-34	MW08-34	MW14-1A	MW14-1A	MW14-1A	MW14-1B	MW14-1B	MW14-1B	QC-01	
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	
Laboratory				PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	
Laboratory Work Order				2326529	2439560	2525382	2326529	2439560	2525382	2326529	2439560	2525382	2525382		2326529	2439560	2525382	2326529	2439560	2525069	2326529	2439560	2525069	2525069	
Laboratory Sample ID				2326529-05	2439560-10	2525382-06	2326529-06	2439560-11	2525382-05	2326529-07	2439560-12	2525382-04	2525382-10		2326529-08	2439560-13	2525382-03	2326529-03	2439560-15	2525069-05	2326529-04	2439560-14	2525069-04	2525069-07	
Sample Type	Units	Site Specific	Ontario SCS										Field Duplicate	RPD (%)										Field Duplicate	RPD (%)
General Chemistry																									
Chloride	mg/L	n/v	1,800[B]	201	-	-	164	-	-	565	-	-	-	-	801	-	-	916	-	-	609	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	<2	-	-	<2	-	-	<2	-	-	-	-	<2	-	-	<2	-	-	<2	-	-	-	-
pH, lab	S.U.	n/v	n/v	8.1	-	-	7.7	-	-	7.8	-	-	-	-	7.8	-	-	7.0	-	-	7.0	-	-	-	-
Petroleum Hydrocarbons																									
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420$_{s7}$[B]	<25	<25	-	<25	341	**14,000[B]**	***<125,000***	-	-	-	-	<25	-	-	<25	39	-	***<125,000***	**34,800[B]**	**14,400 VX[B]**	**13,900 VX[B]**	4%
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150$_{s15}$[B]	<100	<100	-	**640[B]**	**2,700[B]**	**897[B]**	<100	-	-	-	-	<100	-	-	**513[B]**	<100	-	**63,600[B]**	**3,680[B]**	<100	**833[B]**	nc
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500$_{s8}$[B]	<100	<100	-	**1,060[B]**	**4,540[B]**	**1,450[B]**	<100	-	-	-	-	217	-	-	**2,720[B]**	<100	-	**6,700[B]**	**3,530[B]**	<100	**617[B]**	nc
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500$_{s10}$[B]	<100	<100	-	**585[B]**	**1,740 SSO[B]**	442	<100	-	-	-	-	200	-	-	**1,410[B]**	<100	-	**39,100[B]**	**1,740 SSO[B]**	<100	**560[B]**	nc
Metals (Dissolved)																									
Antimony	µg/L	n/v	16,000[B]	1.4	-	-	<0.5	-	-	8.0	-	-	-	-	<0.5	-	-	0.9	-	-	0.7	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	14	-	-	<1	-	-	4	-	-	-	-	<1	-	-	<1	-	-	<1	-	-	-	-
Barium	µg/L	n/v	23,000[B]	54	-	-	100	-	-	51	-	-	-	-	231	-	-	543	-	-	205	-	-	-	-
Beryllium	µg/L	n/v	53[B]	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	-	<0.5	-	-	<0.5	-	-	<0.5	-	-	-	-
Boron	µg/L	n/v	36,000[B]	675	-	-	38	-	-	1,840	-	-	-	-	229	-	-	199	-	-	153	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	<0.1	-	-	<0.1	-	-	0.1	-	-	-	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	-
Chromium	µg/L	n/v	640[B]	<1	-	-	<1	-	-	<1	-	-	-	-	<1	-	-	<1	-	-	<1	-	-	-	-
Cobalt	µg/L	n/v	52[B]	<0.5	-	-	<0.5	-	-	8.8	-	-	-	-	<0.5	-	-	0.8	-	-	0.7	-	-	-	-
Copper	µg/L	n/v	69[B]	2.0	-	-	1.3	-	-	3.8	-	-	-	-	<0.5	-	-	1.8	-	-	1.3	-	-	-	-
Lead	µg/L	n/v	20[B]	<0.1	-	-	<0.1	-	-	0.2	-	-	-	-	<0.1	-	-	<0.1	-	-	0.1	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	130	-	-	2.5	-	-	13.7	-	-	-	-	0.7	-	-	1.4	-	-	1.4	-	-	-	-
Nickel	µg/L	n/v	390[B]	<1	-	-	2	-	-	59	-	-	-	-	1	-	-	3	-	-	3	-	-	-	-
Selenium	µg/L	n/v	50[B]	<1	-	-	<1	-	-	<1	-	-	-	-	<1	-	-	<1	-	-	<1	-	-	-	-
Silver	µg/L	n/v	1.2[B]	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	425,000	-	-	40,600	-	-	445,000	-	-	-	-	424,000	-	-	293,000	-	-	293,000	-	-	-	-
Thallium	µg/L	n/v	400[B]	<0.1	-	-	<0.1	-	-	0.1	-	-	-	-	<0.1	-	-	<0.1	-	-	<0.1	-	-	-	-
Uranium	µg/L	n/v	330[B]	0.6	-	-	0.3	-	-	14.2	-	-	-	-	0.3	-	-	0.1	-	-	0.7	-	-	-	-
Vanadium	µg/L	n/v	200[B]	<0.5	-	-	<0.5	-	-	3.1	-	-	-	-	<0.5	-	-	<0.5	-	-	1.5	-	-	-	-
Zinc	µg/L	n/v	890[B]	<5	-	-	<5	-	-	118	-	-	-	-	<5	-	-	<5	-	-	9	-	-	-	-
Polycyclic Aromatic Hydrocarbons																									
Acenaphthene	µg/L	n/v	17[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	<1.00	-	<1.00 GEN9	<0.05	nc
Acenaphthylene	µg/L	6[A]	1[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	<1.00	-	<1.00 GEN9	<0.05	nc
Anthracene	µg/L	6.68[A]	1[B]	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	-	<0.01	-	-	<0.01	-	-	**2.72[B]**	-	<0.20 GEN9	0.03	nc
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	-	<0.01	-	-	<0.01	-	-	1.33	-	0.24	0.05	nc
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	<0.01	-	-	<0.01	-	<0.01	<0.01	-	-	-	-	<0.01	-	-	<0.01	-	-	**0.86[B]**	-	<0.20 GEN9	0.04	nc
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	***<1.00***	-	***<1.00 GEN9***	0.06	nc
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	**1.03[B]**	-	***<1.00 GEN9***	<0.05	nc
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	***<1.00***	-	***<1.00 GEN9***	<0.05	nc
Chrysene	µg/L	8.52[A]	0.7[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	***<1.00***	-	***<1.00 GEN9***	0.07	nc
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	***<1.00***	-	***<1.00 GEN9***	<0.05	nc
Fluoranthene	µg/L	n/v	44[B]	<0.01	-	-	<0.01	-	0.02	<0.01	-	-	-	-	<0.01	-	-	0.13	-	-	1.89	-	0.42	0.13	nc
Fluorene	µg/L	n/v	290[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	1.11	-	<1.00 GEN9	0.07	nc
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	<0.05	-	-	***<1.00***	-	***<1.00 GEN9***	<0.05	nc
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	<0.10	-	-	<0.10	-	<0.10	0.38	-	-	-	-	<0.10	-	-	1.52	-	-	15.9	-	<2.00 GEN9	1.01	nc
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	<0.05	-	-	<0.05	-	<0.05	0.38	-	-	-	-	<0.05	-	-	0.52	-	-	5.18	-	<1.00 GEN9	0.37	nc
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	1.00	-	-	10.7	-	1.09	0.64	nc
Naphthalene	µg/L	151[A]	7[B]	<0.05	-	-	<0.05	-	<0.05	1.78	-	-	-	-	<0.05	-	-	2.51	-	-	**21.0[B]**	-	**7.39[B]**	4.74	**44%**
Phenanthrene	µg/L	n/v	380[B]	<0.05	-	-	<0.05	-	<0.05	<0.05	-	-	-	-	<0.05	-	-	0.33	-	-	4.24	-	<1.00 GEN9	0.16	nc
Pyrene	µg/L	n/v	5.7[B]	<0.01	-	-	<0.01	-	0.02	0.05	-	-	-	-	<0.01	-	-	<0.01	-	-	2.09	-	0.29	0.11	nc

See notes on last page.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-31A			MW08-32A			MW08-33A					MW08-34			MW14-1A			MW14-1B				
Sample Date				30-Jun-23	26-Sep-24	18-Jun-25	30-Jun-23	26-Sep-24	18-Jun-25	30-Jun-23	26-Sep-24	18-Jun-25	18-Jun-25		30-Jun-23	26-Sep-24	18-Jun-25	30-Jun-23	27-Sep-24	16-Jun-25	30-Jun-23	27-Sep-24	16-Jun-25	16-Jun-25	
Sample ID				MW08-31A	MW08-31A	MW08-31A	MW08-32A	MW08-32A	MW08-32A	MW08-33A	MW08-33A	MW08-33A	QC-02		MW08-34	MW08-34	MW08-34	MW14-1A	MW14-1A	MW14-1A	MW14-1B	MW14-1B	MW14-1B	QC-01	
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	
Laboratory				PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	
Laboratory Work Order				2326529	2439560	2525382	2326529	2439560	2525382	2326529	2439560	2525382	2525382		2326529	2439560	2525382	2326529	2439560	2525069	2326529	2439560	2525069	2525069	
Laboratory Sample ID				2326529-05	2439560-10	2525382-06	2326529-06	2439560-11	2525382-05	2326529-07	2439560-12	2525382-04	2525382-10		2326529-08	2439560-13	2525382-03	2326529-03	2439560-15	2525069-05	2326529-04	2439560-14	2525069-04	2525069-07	
Sample Type	Units	Site Specific	Ontario SCS										Field Duplicate	RPD (%)										Field Duplicate	RPD (%)
Volatile Organic Compounds																									
Acetone	µg/L	n/v	100,000[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25,000	<5.0	<5.0	<5.0	nc	<5.0	<50.0	<5.0	2,230	<5.0	<5.0	<25,000	<5.0	<5.0	<5.0	nc
Benzene	µg/L	2,496[A]	0.5[B]	**371[B]**	**840[B]**	**1,040[B]**	**3.1[B]**	**58.4[B]**	**44.5[B]**	***<2,500***	**2,080[B]**	**1,980[B]**	**1,400[B]**	nc	**2.6[B]**	***<5.0***	**2.3[B]**	**31.6[B]**	**91.7[B]**	**67.1[B]**	***<2,500***	**116[B]**	**99.8[B]**	**112[B]**	12%
Bromodichloromethane	µg/L	n/v	67,000[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	***<1,000***	<0.2	<0.2	<0.2	nc	<0.2	***<2.0***	<0.2	<0.2	<0.2	<0.2	***<1,000***	<0.2	<0.2	<0.2	nc
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	0.6	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Dibromochloromethane	µg/L	n/v	65,000[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	***<5,000***	<1.0	<1.0	<1.0	nc	<1.0	<10.0	<1.0	<1.0	<1.0	<1.0	***<5,000***	<1.0	<1.0	<1.0	nc
Dichloroethane, 1,1-	µg/L	n/v	11[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	**190[B]**	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	<0.5	**16.0[B]**	**13.4[B]**	<0.5	**27.5[B]**	**50.3[B]**	***<2,500***	**140[B]**	**151[B]**	<0.5	nc	**0.7[B]**	***<5.0***	**2.2[B]**	**20.0[B]**	**20.5[B]**	**80.9[B]**	***<2,500***	**115[B]**	**125[B]**	**130[B]**	nc
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**62.6[B]**	**5,620[B]**	**12,100[B]**	**897[B]**	**69,200[B]**	**78,900[B]**	**118,000[B]**	**68,800[B]**	**78,800[B]**	**69,400[B]**	13%	**2,000 VOCL[B]**	**1,670[B]**	**4,920[B]**	**17,000[B]**	**52,600[B]**	**70,200[B]**	**95,000[B]**	**168,000[B]**	**78,800[B]**	**72,200[B]**	9%
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	**9.1[B]**	**211[B]**	**119[B]**	**8.4[B]**	**268[B]**	**570[B]**	***<2,500***	**640[B]**	**592[B]**	**512[B]**	14%	**14.0[B]**	**28.9[B]**	**32.3[B]**	**153[B]**	**153[B]**	**172[B]**	***<2,500***	**771[B]**	**510[B]**	**515[B]**	nc
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<2,500	<0.5	<0.5	<0.5	nc
Ethylbenzene	µg/L	192[A]	54[B]	1.9	2.8	2.5	1.7	3.4	36.7	***<2,500***	33.1	33.9	31.5	7%	0.6	<5.0	0.9	**63.6[B]**	40.5	**132[B]**	***<2,500***	**160[B]**	**145[B]**	**152[B]**	nc
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	***<1,000***	<0.2	<0.2	<0.2	nc	<0.2	***<2.0***	<0.2	<0.2	<0.2	<0.2	***<1,000***	<0.2	<0.2	<0.2	nc
Hexane (n-Hexane)	µg/L	n/v	5[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	***<5,000***	<1.0	<1.0	<1.0	nc	<1.0	***<10.0***	<1.0	<1.0	<1.0	<1.0	***<5,000***	<1.0	<1.0	<1.0	nc
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***<25,000***	<5.0	<5.0	<5.0	nc	<5.0	<50.0	<5.0	115	<5.0	<5.0	***<25,000***	<5.0	<5.0	<5.0	nc
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***<25,000***	<5.0	<5.0	<5.0	nc	<5.0	<50.0	<5.0	<5.0	<5.0	<5.0	***<25,000***	<5.0	<5.0	<5.0	nc
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	***<10,000***	<2.0	<2.0	<2.0	nc	<2.0	***<20.0***	<2.0	<2.0	<2.0	<2.0	***<10,000***	<2.0	<2.0	<2.0	nc
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***<25,000***	<5.0	<5.0	<5.0	nc	<5.0	***<50.0***	<5.0	<5.0	<5.0	<5.0	***<25,000***	5.6	<5.0	<5.0	nc
Styrene	µg/L	n/v	43[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	0.6	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**2.0[B]**	**51.1[B]**	<0.5	**23.0[B]**	<0.5	**67.6[B]**	**29,800[B]**	**33,200[B]**	**18,700[B]**	**20,000[B]**	nc	**39.9[B]**	**13.0[B]**	**2.0[B]**	**7,020[B]**	**1,610[B]**	**2,720[B]**	**154,000[B]**	**58,400[B]**	**19,100[B]**	**20,200[B]**	6%
Toluene	µg/L	2,064[A]	320[B]	31.2	77.6	101	2.3	30.4	79.2	***<2,500***	**1,720[B]**	**1,520[B]**	**1,120[B]**	nc	1.7	<5.0	4.4	230	194	285	***<2,500***	**900[B]**	**503[B]**	**522[B]**	nc
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc	<0.5	***<5.0***	<0.5	<0.5	<0.5	<0.5	***<2,500***	<0.5	<0.5	<0.5	nc
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**0.6[B]**	**123[B]**	<0.5	**20.8[B]**	**2.4[B]**	**148[B]**	**22,000[B]**	**29,200[B]**	**25,700[B]**	**23,100[B]**	nc	**16.0[B]**	***<5.0***	**19.7[B]**	**3,440[B]**	**203[B]**	**1,720[B]**	**24,800[B]**	**50,600[B]**	**28,100[B]**	**25,400[B]**	10%
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	***<5,000***	<1.0	<1.0	<1.0	nc	<1.0	<10.0	<1.0	<1.0	<1.0	<1.0	***<5,000***	<1.0	<1.0	<1.0	nc
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**344[B]**	**1,560[B]**	**2,210[B]**	**293[B]**	**8,940[B]**	**4,190[B]**	***<2,500***	**6,010[B]**	**4,590[B]**	**4,930[B]**	7%	**274 VOCL[B]**	**388[B]**	**1,060[B]**	**4,520[B]**	**11,800[B]**	**12,300[B]**	***<2,500***	**12,100[B]**	**10,800[B]**	**10,600[B]**	2%
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	1.2	1.8	1.7	1.7	2.2	20.0	<2,500	122	56.2	85.8	**42%**	0.6	<5.0	<0.5	120	73.8	127	<2,500	413	225	242	nc
Xylene, o-	µg/L	n/v	$_{s1}$[B]	0.5	<0.5	<0.5	0.5	0.7	4.8	<2,500	135	71.9	59.8	18%	<0.5	<5.0	<0.5	66.1	42.0	59.7	<2,500	147	81.0	116	**36%**
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	1.8	1.8	1.7	2.2	3.0	24.8	***<2,500***	**258[B]**	**128[B]**	**146[B]**	13%	0.6	<5.0 GEN9	<0.5	**186[B]**	**116[B]**	**187[B]**	***<2,500***	**560[B]**	**306[B]**	**358[B]**	16%

See notes on last page.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW14-2		MW16-01			MW19-12A			MW19-12B					MW19-13A			MW19-13B					MW25-01
Sample Date				29-Jun-23	17-Jun-25	29-Jun-23	25-Sep-24	16-Jun-25	29-Jun-23	25-Sep-24	17-Jun-25	29-Jun-23	29-Jun-23		25-Sep-24	17-Jun-25	30-Jun-23	25-Sep-24	17-Jun-25	30-Jun-23	25-Sep-24	25-Sep-24		17-Jun-25	17-Jun-25
Sample ID				MW14-2	MW14-2	MW16-01	MW16-1	MW16-1	MW19-12A	MW19-12A	MW19-12A	MW19-12B	QC-01		MW19-12B	MW19-12B	MW19-13A	MW19-13A	MW19-13A	MW19-13B	MW19-13B	QC-01		MW19-13B	MW25-01
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC
Laboratory				PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL
Laboratory Work Order				2326467	2525246	2326467	2439560	2525069	2326467	2439560	2525246	2326467	2326467		2439560	2525246	2326529	2439560	2525246	2326529	2439560	2439560		2525246	2525246
Laboratory Sample ID				2326467-10	2525246-03	2326467-11	2439560-03	2525069-03	2326467-04	2439560-01	2525246-05	2326467-05	2326467-06		2439560-02	2525246-06	2326529-01	2439560-05	2525246-07	2326529-02	2439560-04	2439560-06		2525246-08	2525246-02
Sample Type	Units	Site Specific	Ontario SCS										Field Duplicate	RPD (%)								Field Duplicate	RPD (%)		
General Chemistry																									
Chloride	mg/L	n/v	1,800[B]	1,670	-	568	-	-	**3,190[B]**	-	-	**3,830[B]**	**4,320[B]**	12%	-	-	862	-	-	482	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	<2	-	<2	-	-	<2	-	-	<2	<2	nc	-	-	<2	-	-	<2	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	7.6	-	7.9	-	-	7.5	-	-	7.5	7.5	0%	-	-	7.5	-	-	7.5	-	-	-	-	-
Petroleum Hydrocarbons																									
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{87}[B]	<25	-	<25	-	-	<25	-	-	<25	<25	nc	360	**1,970 VX[B]**	<25	-	-	<25	<25	<25	nc	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	<100	-	<100	-	-	<100	-	-	**26,200[B]**	**10,600[B]**	**85%**	**154,000[B]**	**2,080[B]**	<100	-	-	<100	<100	<100	nc	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	<100	-	<100	-	-	<100	-	-	**36,400[B]**	**17,100[B]**	**72%**	**206,000[B]**	**3,000[B]**	<100	-	-	**640[B]**	<100	<100	nc	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	<100	-	<100	-	-	<100	-	-	**17,300[B]**	**8,960[B]**	**64%**	**91,400 POS[B]**	**2,220 SSO[B]**	<100	-	-	340	<100	<100	nc	-	-
Metals (Dissolved)																									
Antimony	µg/L	n/v	16,000[B]	<0.5	-	6.0	-	-	<0.5	-	-	<0.5	<0.5	nc	-	-	<0.5	-	-	<0.5	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	<1	-	17	-	-	3	-	-	<1	<1	nc	-	-	4	-	-	2	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	603	-	76	-	-	708	-	-	4,750	4,560	4%	-	-	659	-	-	548	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	<0.5	-	<0.5	-	-	<0.5	-	-	<0.5	<0.5	nc	-	-	<0.5	-	-	<0.5	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	667	-	992	-	-	1,160	-	-	239	237	1%	-	-	618	-	-	229	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	<0.1	nc	-	-	<0.1	-	-	<0.1	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	<1	-	<1	-	-	<1	-	-	<1	<1	nc	-	-	1	-	-	<1	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	<0.5	-	0.7	-	-	<0.5	-	-	<0.5	<0.5	nc	-	-	<0.5	-	-	0.5	-	-	-	-	-
Copper	µg/L	n/v	69[B]	0.8	-	<0.5	-	-	1.5	-	-	1.6	1.4	nc	-	-	1.6	-	-	1.9	-	-	-	-	-
Lead	µg/L	n/v	20[B]	0.2	-	<0.1	-	-	<0.1	-	-	<0.1	<0.1	nc	-	-	0.4	-	-	<0.1	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	<0.5	-	0.6	-	-	5.4	-	-	<0.5	<0.5	nc	-	-	2.7	-	-	2.0	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	1	-	16	-	-	2	-	-	<1	<1	nc	-	-	3	-	-	3	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	1	-	5	-	-	<1	-	-	<1	<1	nc	-	-	<1	-	-	<1	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	<0.1	nc	-	-	<0.1	-	-	<0.1	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	632,000	-	1,230,000	-	-	1,250,000	-	-	1,360,000	1,320,000	3%	-	-	821,000	-	-	523,000	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	<0.1	-	<0.1	-	-	<0.1	-	-	<0.1	<0.1	nc	-	-	<0.1	-	-	<0.1	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	0.1	-	0.1	-	-	5.8	-	-	0.2	0.2	nc	-	-	4.4	-	-	7.9	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	1.5	-	21.3	-	-	0.6	-	-	0.9	0.9	nc	-	-	3.8	-	-	<0.5	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	<5	-	<5	-	-	<5	-	-	<5	<5	nc	-	-	<5	-	-	<5	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																									
Acenaphthene	µg/L	n/v	17[B]	<0.25	-	<0.05	-	-	<0.05	-	-	<5.00	<1.00	nc	<1.00 GEN9	<0.50 GEN9	<0.05	-	-	<0.05	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	<0.25	-	<0.05	-	-	<0.05	-	-	***<5.00***	<1.00	nc	<1.00 GEN9	<0.50 GEN9	<0.05	-	-	<0.05	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	0.45	-	<0.01	-	-	<0.01	-	-	<1.00	<0.20	nc	**2.55[B]**	0.23	<0.01	-	-	<0.01	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	0.93	-	<0.01	-	-	<0.01	-	-	<1.00	<0.20	nc	1.66	0.37	<0.01	-	-	0.02	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	**0.98[B]**	-	<0.01	-	-	<0.01	-	-	***<1.00***	<0.20	nc	**1.44[B]**	0.33	<0.01	-	-	<0.01	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	**1.56[B]**	-	<0.05	-	-	<0.05	-	-	***<5.00***	***<1.00***	nc	**1.09[B]**	<0.50 GEN9	<0.05	-	-	<0.05	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	**1.48[B]**	-	<0.05	-	-	<0.05	-	-	**13.3[B]**	**3.63[B]**	nc	**1.53[B]**	***<0.50 GEN9***	<0.05	-	-	<0.05	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	**0.64[B]**	-	<0.05	-	-	<0.05	-	-	***<5.00***	***<1.00***	nc	***<1.00 GEN9***	***<0.50 GEN9***	<0.05	-	-	<0.05	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	**0.99[B]**	-	<0.05	-	-	<0.05	-	-	***<5.00***	***<1.00***	nc	**1.79[B]**	**0.82[B]**	<0.05	-	-	<0.05	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	0.27	-	<0.05	-	-	<0.05	-	-	***<5.00***	***<1.00***	nc	***<1.00 GEN9***	***<0.50 GEN9***	<0.05	-	-	<0.05	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	2.09	-	0.02	-	-	<0.01	-	-	<1.00	<0.20	nc	4.36	0.95	<0.01	-	-	<0.01	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	<0.25	-	<0.05	-	-	<0.05	-	-	<5.00	<1.00	nc	<1.00 GEN9	<0.50 GEN9	<0.05	-	-	<0.05	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	**0.85[B]**	-	<0.05	-	-	<0.05	-	-	**8.52[B]**	**2.28[B]**	nc	**1.01[B]**	***<0.50 GEN9***	<0.05	-	-	<0.05	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1,500_{s3}$[B]	<0.50	-	<0.10	-	-	<0.10	-	-	<10.0	<2.00	nc	3.01	1.68	<0.10	-	-	<0.10	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	<0.25	-	<0.05	-	-	<0.05	-	-	<5.00	<1.00	nc	3.01	1.12	<0.05	-	-	<0.05	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	0.30	-	<0.05	-	-	<0.05	-	-	<5.00	<1.00	nc	<1.00 GEN9	0.56	<0.05	-	-	<0.05	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	<0.25	-	<0.05	-	-	<0.05	-	-	**31.0[B]**	<1.00	nc	<1.00 GEN9	<0.50 GEN9	0.47	-	-	0.42	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	1.35	-	<0.05	-	-	<0.05	-	-	<5.00	<1.00	nc	10.4	2.01	<0.05	-	-	<0.05	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	1.82	-	<0.01	-	-	<0.01	-	-	<1.00	<0.20	nc	3.23	0.71	<0.01	-	-	<0.01	-	-	-	-	-

See notes on last page.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW14-2		MW16-01			MW19-12A			MW19-12B				MW19-13A			MW19-13B					MW25-01
Sample Date				29-Jun-23	17-Jun-25	29-Jun-23	25-Sep-24	16-Jun-25	29-Jun-23	25-Sep-24	17-Jun-25	29-Jun-23	29-Jun-23		25-Sep-24	17-Jun-25	30-Jun-23	25-Sep-24	17-Jun-25	30-Jun-23	25-Sep-24	25-Sep-24		17-Jun-25	17-Jun-25
Sample ID				MW14-2	MW14-2	MW16-01	MW16-1	MW16-1	MW19-12A	MW19-12A	MW19-12A	MW19-12B	QC-01		MW19-12B	MW19-12B	MW19-13A	MW19-13A	MW19-13A	MW19-13B	MW19-13B	QC-01		MW19-13B	MW25-01
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC
Laboratory				PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL		PARACEL	PARACEL
Laboratory Work Order				2326467	2525246	2326467	2439560	2525069	2326467	2439560	2525246	2326467	2326467		2439560	2525246	2326529	2439560	2525246	2326529	2439560	2439560		2525246	2525246
Laboratory Sample ID				2326467-10	2525246-03	2326467-11	2439560-03	2525069-03	2326467-04	2439560-01	2525246-05	2326467-05	2326467-06		2439560-02	2525246-06	2326529-01	2439560-05	2525246-07	2326529-02	2439560-04	2439560-06		2525246-08	2525246-02
Sample Type	Units	Site Specific	Ontario SCS										Field Duplicate	RPD (%)								Field Duplicate	RPD (%)		
Volatile Organic Compounds																									
Acetone	µg/L	n/v	100,000[B]	<5.0	24.9	3,250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0
Benzene	µg/L	2,496[A]	0.5[B]	**1.7[B]**	**0.9[B]**	**2.0[B]**	**0.8[B]**	**0.7[B]**	**16.8[B]**	**25.1[B]**	**12.2[B]**	**17.1[B]**	**23.1[B]**	30%	**11.1[B]**	**17.6[B]**	**60.3[B]**	**16.6[B]**	**12.7[B]**	**39.8[B]**	**67.5[B]**	**67.0[B]**	1%	**67.8[B]**	**1.5[B]**
Bromodichloromethane	µg/L	n/v	67,000[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	nc	<0.2	<0.2
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dibromochloromethane	µg/L	n/v	65,000[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0
Dichloroethane, 1,1-	µg/L	n/v	11[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	<0.5	**0.9[B]**	<0.5	<0.5	<0.5	**7.5[B]**	**11.6[B]**	**6.1[B]**	**19.1[B]**	**10.7[B]**	56%	**4.6[B]**	**7.6[B]**	**6.7[B]**	**2.8[B]**	**1.8[B]**	**24.3[B]**	**2.1[B]**	**1.9[B]**	nc	**45.3[B]**	**1.8[B]**
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**282[B]**	**1,240[B]**	**13.6[B]**	1.4	<0.5	**31,400[B]**	**59,000[B]**	**13,500[B]**	**11,500 VOCL[B]**	**5,240[B]**	75%	**9,050[B]**	**7,990[B]**	**14,900[B]**	**13,500[B]**	**6,780[B]**	**24,900[B]**	**2,430[B]**	**2,420[B]**	0%	**50,500[B]**	**3,940[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	**6.6[B]**	**2.3[B]**	**6.0[B]**	**14.1[B]**	**5.8[B]**	**242[B]**	**900[B]**	**343[B]**	**97.0 VOCL[B]**	**76.2[B]**	nc	**83.9[B]**	**224[B]**	**90.8[B]**	**98.0[B]**	**331[B]**	**77.0[B]**	**19.2[B]**	**18.2[B]**	5%	**863[B]**	**9.6[B]**
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Ethylbenzene	µg/L	192[A]	54[B]	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	0.9	5.5	31.0	22.6	31%	11.2	8.4	42.0	<0.5	<0.5	**75.5[B]**	**55.2[B]**	**54.6[B]**	1%	**57.9[B]**	<0.5
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	nc	<0.2	<0.2
Hexane (n-Hexane)	µg/L	n/v	5[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	<5.0	8.1	167	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	nc	<2.0	<2.0
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	nc	<5.0	<5.0
Styrene	µg/L	n/v	43[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**4.8[B]**	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**13.7[B]**	**8.4[B]**	**12.3[B]**	<0.5	<0.5	**12.1[B]**	**1.7[B]**	**995[B]**	**7,220 VOCL[B]**	**3,840[B]**	61%	**3.8[B]**	**712[B]**	**4.5[B]**	<0.5	**389[B]**	**5.6[B]**	<0.5	<0.5	nc	**276[B]**	**1,600[B]**
Toluene	µg/L	2,064[A]	320[B]	<0.5	<0.5	1.9	0.9	<0.5	14.3	24.2	<0.5	11.0	10.0	10%	6.1	<0.5	165	5.2	1.0	161	105	89.0	nc	<0.5	<0.5
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	nc	<0.5	<0.5
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4.7[B]**	**5.6[B]**	**4.1[B]**	<0.5	<0.5	**48.3[B]**	**8.1[B]**	**154[B]**	**3,080 VOCL[B]**	**1,280[B]**	83%	**4.4[B]**	**107[B]**	**89.2[B]**	**8.8[B]**	**120[B]**	**462[B]**	**4.4[B]**	**4.4[B]**	0%	**63.0[B]**	**872[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	nc	<1.0	<1.0
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**285[B]**	<0.5	<0.5	**1.2[B]**	<0.5	**6,020[B]**	**21,800[B]**	**3,950[B]**	**938 VOCL[B]**	<0.5	nc	**3,340[B]**	**6,870[B]**	**5,500[B]**	**36.7[B]**	**2,380[B]**	**8,070[B]**	**1,100[B]**	**951[B]**	15%	**6,880[B]**	**670[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	3.9	2.5	12.2	58.0	33.7	53%	11.6	12.6	51.3	<0.5	1.6	83.8	47.1	46.1	2%	45.6	<0.5
Xylene, o-	µg/L	n/v	$_{s1}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	2.7	1.1	6.3	24.6	15.4	46%	5.9	6.1	33.6	<0.5	0.7	45.7	32.1	31.7	1%	19.6	<0.5
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	6.7	3.6	18.4	**82.7[B]**	49.1	51%	17.5	18.7	**84.8[B]**	<0.5	2.3	**130[B]**	**79.2[B]**	**77.9[B]**	2%	65.2	<0.5

See notes on last page.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW25-02	MW25-03	MW25-04	MW25-05	TB-01	FIELD BLANK				TRIP BLANK				
Sample Date				18-Jun-25	17-Jun-25	16-Jun-25	16-Jun-25	31-Jul-25	30-Jun-23	27-Sep-24	7-Nov-24	17-Jun-25	20-Jun-23	23-Sep-24	7-Nov-24	12-Jun-25	12-Jun-25
Sample ID				MW25-02	MW25-03	MW25-04	MW25-05	TB-01	Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	TRIP BLANK	Trip Blank
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order				2525382	2525246	2525069	2525069	2532120	2326529	2439560	2445512	2525246	2326529	2439560	2445512	2525069	2525246
Laboratory Sample ID				2525382-01	2525246-01	2525069-06	2525069-01	2532120-02	2326529-10	2439560-18	2445512-03	2525246-10	2326529-09	2439560-17	2445512-02	2525069-08	2525246-09
Sample Type	Units	Site Specific	Ontario SCS						Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
General Chemistry																	
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																	
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	81	71 VX	<25	**3,390 VX[B]**	<25	<25	-	<25	-	-	-	<25	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	<100	<100	<100	<100	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	<100	<100	<100	<100	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	<100	<100	<100	<100	-	-	-	-	-	-	-	-	-	-
Metals (Dissolved)																	
Antimony	µg/L	n/v	16,000[B]	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	189	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	76	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	<1	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	468,000	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	7	-	-	-	-	-	-	-	-	-	-	-	-	-
Polycyclic Aromatic Hydrocarbons																	
Acenaphthene	µg/L	n/v	17[B]	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	<0.05	<0.05	<0.05	0.07	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	0.02	<0.01	0.07	0.04	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	0.03	<0.01	0.13	0.05	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	0.02	<0.01	0.10	0.04	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	<0.05	<0.05	0.16	0.06	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	<0.05	<0.05	0.05	<0.05	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	<0.05	<0.05	0.05	<0.05	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	<0.05	<0.05	0.13	0.06	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	0.09	<0.01	0.30	0.08	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	<0.05	<0.05	<0.05	0.07	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	<0.05	<0.05	0.07	<0.05	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1,500_{s3}$[B]	<0.10	<0.10	<0.10	1.16	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	<0.05	<0.05	<0.05	0.48	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	<0.05	<0.05	<0.05	0.68	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	<0.05	<0.05	<0.05	2.37	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	0.09	<0.05	0.29	0.14	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	0.06	<0.01	0.24	0.08	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW25-02	MW25-03	MW25-04	MW25-05	TB-01	FIELD BLANK				TRIP BLANK				
Sample Date				18-Jun-25	17-Jun-25	16-Jun-25	16-Jun-25	31-Jul-25	30-Jun-23	27-Sep-24	7-Nov-24	17-Jun-25	20-Jun-23	23-Sep-24	7-Nov-24	12-Jun-25	12-Jun-25
Sample ID				MW25-02	MW25-03	MW25-04	MW25-05	TB-01	Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	TRIP BLANK	Trip Blank
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL	PARACEL
Laboratory Work Order				2525382	2525246	2525069	2525069	2532120	2326529	2439560	2445512	2525246	2326529	2439560	2445512	2525069	2525246
Laboratory Sample ID				2525382-01	2525246-01	2525069-06	2525069-01	2532120-02	2326529-10	2439560-18	2445512-03	2525246-10	2326529-09	2439560-17	2445512-02	2525069-08	2525246-09
Sample Type	Units	Site Specific	Ontario SCS						Field Blank	Field Blank	Field Blank	Field Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds																	
Acetone	µg/L	n/v	100,000[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	µg/L	2,496[A]	0.5[B]	<0.5	**0.9[B]**	<0.5	**3.2[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	µg/L	n/v	67,000[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	0.7	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	µg/L	n/v	65,000[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloroethane, 1,1-	µg/L	n/v	11[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	<0.5	<0.5	<0.5	**10.2[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**114[B]**	<0.5	**4.6[B]**	**7,890[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	1.3	**2.3[B]**	<0.5	**209[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	192[A]	54[B]	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hexane (n-Hexane)	µg/L	n/v	5[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	µg/L	n/v	43[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**11.6[B]**	**118[B]**	<0.5	**2,420[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/L	2,064[A]	320[B]	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**13.4[B]**	**44.6[B]**	<0.5	**1,010[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**4.1[B]**	**51.6[B]**	<0.5	**2,590[B]**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	<0.5	<0.5	<0.5	6.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylene, o-	µg/L	n/v	$_{s1}$[B]	<0.5	<0.5	<0.5	6.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	<0.5	<0.5	<0.5	13.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

See notes on last page.

Table IIIa
Summary of Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Notes:

Site Specific	Stantec Property Specific Standard from Risk Assessment
A	Property Specific Standard
Ontario SCS	Soil, Ground Water and Sediment Standards for Use under Part XV.I of the Environmental Protection Act (MOE, 2011) Site Condition Standards (SCS)
B	Table 7 - All Types of Property Use - Coarse Textured Soils
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
<0.50	Laboratory reporting limit was greater than the applicable standard.
<0.03	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
s1	Standard is applicable to total xylenes, and m & p-xylenes and o-xylenes should be summed for comparison.
s3	Standard is applicable to both 1-methylnaphthalene and 2-methylnaphthalene, with the provision that if both are detected the sum of the two must not exceed the standard.
s7	Standard is applicable to PHC in the F1 range minus BTEX.
s8	Standard is applicable to PHC in the F3 range, minus PAHs (other than naphthalene). If PAHs were not analyzed, the standard is applied to F3.
s10	If baseline is not reached during F4 analysis, then gravimetric analysis is to be performed, and the standard is applied to the higher of the two results.
s11	Standard is applicable to 1,3-Dichloropropene, and the individual isomers (cis + trans) should be added for comparison.
s15	Standard is applicable to PHC in the F2 range minus naphthalene. If naphthalene was not analyzed, the standard is applied to F2.
GA	The sample was decanted due to sediment content.
GEN9	Elevated reporting limits due to the nature of the sample matrix.
POS	Product was observed in the sample container.
SSO	A surface sheen was observed in the sample container.
VOCL	VOC result based on an analysis taken from a previously analyzed sample vial (due to multiple dilutions). Results may be biased low.
VX	Result reported was mainly due to one non-hydrocarbon compound eluting inside F1 range.
RPD	Relative Percent Difference.
61%	RPD exceeds data quality objective of (Source: Bureau Veritas Ontario QA/QC Interpretation Guide - Environmental Services (CAM FCD-01224/2).) 20% for Metals, Inorganics, and Mercury, Chromium VI, FOC, Chloride, Cyanide 30% for PHCs, ABNs, PAHs, OC Pesticides, PCBs, HWSB, and Methyl Mercury 50% for VOCs
nc	RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit.

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				BH1		BH1-12	BH2		BH3		E2												
Sample Date				22-Jul-11	19-Oct-11	14-Dec-12	27-Jul-11	19-Oct-11	27-Jul-11	19-Oct-11	30-Apr-12	3-May-12	27-Jun-12	26-Jun-13	13-Nov-13	25-Sep-14	10-Oct-14	4-Dec-14	28-Jan-15	12-May-15	12-May-15		15-Jul-15
Sample ID				BH-1	BH-1	BH1-12	BH-2	BH-2	BH-3	BH-3	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2			E-2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN			UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG			HISTWG
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG											Field Duplicate			
Sample Type	Units	Site Specific	Ontario SCS																			(%)		
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				BH1		BH1-12	BH2		BH3		E2												
Sample Date				22-Jul-11	19-Oct-11	14-Dec-12	27-Jul-11	19-Oct-11	27-Jul-11	19-Oct-11	30-Apr-12	3-May-12	27-Jun-12	26-Jun-13	13-Nov-13	25-Sep-14	10-Oct-14	4-Dec-14	28-Jan-15	12-May-15	12-May-15		15-Jul-15
Sample ID				BH-1	BH-1	BH1-12	BH-2	BH-2	BH-3	BH-3	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG											Field Duplicate		
Sample Type	Units	Site Specific	Ontario SCS																			(%)	
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**660[B]**	**310[B]**	<0.5	**530[B]**	**2,900[B]**	**24[B]**	**64[B]**	**38,000[B]**	**36[B]**	**9,400[B]**	**12,000[B]**	**12,000[B]**	**21,000[B]**	**8,500[B]**	**9,600[B]**	**4,100[B]**	**27,000[B]**	**29,000[B]**	nc	**27,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	***<10***	**12[B]**	<0.5	***<3***	**11[B]**	<0.5	0.2	**20,000[B]**	**140[B]**	**17,000[B]**	**210,000[B]**	**120,000[B]**	**280,000[B]**	**18,000[B]**	**46[B]**	**63[B]**	**19,000[B]**	**30,000[B]**	nc	**2,100[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	***<10***	**63[B]**	<0.4	**7[B]**	**150[B]**	**2.0[B]**	**1.9[B]**	**18,000[B]**	**17[B]**	**7,100[B]**	**24,000[B]**	**36,000[B]**	**54,000[B]**	**8,800[B]**	**34[B]**	**62[B]**	**8,900[B]**	**10,000[B]**	nc	**4,700[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**37[B]**	**77[B]**	<0.4	**14[B]**	**130[B]**	**22[B]**	**9.8[B]**	**1,600[B]**	***<2.0***	**900[B]**	***<2,000***	**3,000[B]**	**1,600[B]**	**1,900[B]**	**3,000[B]**	**3,100[B]**	**2,700[B]**	**2,800[B]**	nc	**3,900[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E2 (Continued)															E3					
Sample Date				11-Sep-15	23-Oct-15	16-Dec-15	11-Mar-16	29-Jul-16	1-Aug-17	24-Oct-17	1-Mar-18	19-Apr-18	5-Jun-18	20-Sep-18	30-Apr-12	1-May-12	2-May-12	2-May-12		27-Jun-12	26-Jun-13	25-Sep-14	10-Oct-14	2-Dec-14
Sample ID				E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-3	E-3	E-3	E-3		E-3	E-3	E-3	E-3	E-3
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																		Field Duplicate						
Sample Type	Units	Site Specific	Ontario SCS																(%)					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E2 (Continued)																E3					
Sample Date				11-Sep-15	23-Oct-15	16-Dec-15	11-Mar-16	29-Jul-16	1-Aug-17	24-Oct-17	1-Mar-18	19-Apr-18	5-Jun-18	20-Sep-18	30-Apr-12	1-May-12	2-May-12	2-May-12		27-Jun-12	26-Jun-13	25-Sep-14	10-Oct-14	2-Dec-14
Sample ID				E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-2	E-3	E-3	E-3	E-3		E-3	E-3	E-3	E-3	E-3
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																		Field Duplicate						
Sample Type	Units	Site Specific	Ontario SCS																(%)					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**26,000[B]**	**68,000[B]**	**70,000[B]**	**62,000[B]**	**16,000[B]**	**8,000[B]**	**39,000[B]**	**40,000[B]**	**100,000[B]**	**91,000[B]**	**49,000[B]**	**53,000[B]**	**110[B]**	**110[B]**	**560[B]**	nc	**15,000[B]**	**24,000[B]**	**34,000[B]**	**3,400[B]**	**58,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**2,200[B]**	**2,800[B]**	**1,800[B]**	**4,700[B]**	**2,700[B]**	**60,000[B]**	**28,000[B]**	**3,100[B]**	**8,800[B]**	**17,000[B]**	<0.20	**110,000[B]**	**1,400[B]**	**930[B]**	**7,100[B]**	nc	**45,000[B]**	**54,000[B]**	**71,000[B]**	**3,000[B]**	**1,000[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**630[B]**	**1,500[B]**	**3,200[B]**	**5,400[B]**	**5,700[B]**	**13,000[B]**	**11,000[B]**	**8,900[B]**	**26,000[B]**	**4,600[B]**	<0.20	**46,000[B]**	**250[B]**	**160[B]**	**890[B]**	nc	**26,000[B]**	**40,000[B]**	**77,000[B]**	**8,500[B]**	**18,000[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**5,300[B]**	**6,400[B]**	**7,300[B]**	**7,300[B]**	**2,200[B]**	**330[B]**	**430[B]**	**2,600[B]**	**2,900[B]**	**2,700[B]**	**7,700[B]**	**2,300[B]**	***<20***	***<10***	***<100***	nc	***<400***	**1,000[B]**	**1,000[B]**	**120[B]**	**910[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E3 (Continued)																		
Sample Date				27-Jan-15	13-May-15	15-Jul-15	10-Sep-15	22-Oct-15	16-Dec-15	11-Mar-16	29-Jul-16	25-Apr-17	25-Apr-17		1-Aug-17	27-Oct-17	28-Feb-18	5-Jun-18	20-Sep-18	20-Mar-19	27-Aug-19	14-Nov-19	20-Apr-20
Sample ID				E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3		E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																							
Sample Type	Units	Site Specific	Ontario SCS										Field Duplicate	(%)									
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E3 (Continued)																		
Sample Date				27-Jan-15	13-May-15	15-Jul-15	10-Sep-15	22-Oct-15	16-Dec-15	11-Mar-16	29-Jul-16	25-Apr-17	25-Apr-17		1-Aug-17	27-Oct-17	28-Feb-18	5-Jun-18	20-Sep-18	20-Mar-19	27-Aug-19	14-Nov-19	20-Apr-20
Sample ID				E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3		E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3	E-3
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																							
Sample Type	Units	Site Specific	Ontario SCS										Field Duplicate	(%)									
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**70,000[B]**	**30,000[B]**	**76,000[B]**	**76,000[B]**	**150,000[B]**	**190,000[B]**	**180,000[B]**	**110,000[B]**	**13,000[B]**	**60,000[B]**	nc	**15,000[B]**	**18,000[B]**	**19,000[B]**	**24,000[B]**	**27,000[B]**	**62,000[B]**	**64,000[B]**	**130,000[B]**	**130,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**600[B]**	**14,000[B]**	**250[B]**	**440[B]**	**510[B]**	**24,000[B]**	**11,000[B]**	**10,000[B]**	**4,000[B]**	**2,700[B]**	nc	**48,000[B]**	**61,000[B]**	**90,000[B]**	**2,000[B]**	**420[B]**	**610[B]**	**46[B]**	**67[B]**	**330[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**13,000[B]**	**40,000[B]**	**8,400[B]**	**14,000[B]**	**1,600[B]**	**13,000[B]**	**11,000[B]**	**8,100[B]**	**3,700[B]**	**3,100[B]**	nc	**6,600[B]**	**8,100[B]**	**11,000[B]**	**820[B]**	**1,400[B]**	**2,400[B]**	**4,600[B]**	**3,200[B]**	**7,600[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**3,700[B]**	**2,200[B]**	**2,700[B]**	**2,000[B]**	**3,700[B]**	**16,000[B]**	**26,000[B]**	**21,000[B]**	**7,700[B]**	**38,000[B]**	nc	**1,300[B]**	**1,100[B]**	**2,500[B]**	**2,000[B]**	**1,600[B]**	**2,600[B]**	**5,700[B]**	**12,000[B]**	**34,000[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location													E4									
Sample Date				30-Apr-12	3-May-12	3-May-12	3-May-12	27-Jun-12	26-Jun-13	25-Sep-14	10-Oct-14	4-Dec-14	28-Jan-15	12-May-15	15-Jul-15	10-Sep-15	23-Oct-15	16-Dec-15	10-Mar-16	29-Jul-16	25-Apr-17	2-Aug-17
Sample ID				E-4	E-4 (10)	E-4 (11)	E-4 (9)	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																						
Sample Type	Units	Site Specific	Ontario SCS																			
General Chemistry																						
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																						
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location													E4									
Sample Date				30-Apr-12	3-May-12	3-May-12	3-May-12	27-Jun-12	26-Jun-13	25-Sep-14	10-Oct-14	4-Dec-14	28-Jan-15	12-May-15	15-Jul-15	10-Sep-15	23-Oct-15	16-Dec-15	10-Mar-16	29-Jul-16	25-Apr-17	2-Aug-17
Sample ID				E-4	E-4 (10)	E-4 (11)	E-4 (9)	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																						
Sample Type	Units	Site Specific	Ontario SCS																			
Polycyclic Aromatic Hydrocarbons																						
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**12,000[B]**	**600[B]**	**130[B]**	**560[B]**	**9,500[B]**	**11,000[B]**	**21,000[B]**	**790[B]**	**20,000[B]**	**85,000[B]**	**88,000[B]**	**130,000[B]**	**90,000[B]**	**160,000[B]**	**130,000[B]**	**95,000[B]**	**34,000[B]**	**380,000[B]**	**49,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**640[B]**	**2,800[B]**	**270[B]**	**3,300[B]**	**28,000[B]**	**26,000[B]**	**19,000[B]**	**20,000[B]**	**58,000[B]**	**32,000[B]**	**79,000[B]**	**13,000[B]**	**34,000[B]**	**15,000[B]**	**35,000[B]**	**33,000[B]**	**75,000[B]**	**47,000[B]**	**460,000[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4,100[B]**	**510[B]**	**86[B]**	**510[B]**	**23,000[B]**	**25,000[B]**	**31,000[B]**	**3,000[B]**	**8,800[B]**	**36,000[B]**	**42,000[B]**	**35,000[B]**	**28,000[B]**	**57,000[B]**	**32,000[B]**	**28,000[B]**	**26,000[B]**	**24,000[B]**	**22,000[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**140[B]**	***<40***	***<5.0***	***<50***	***<200***	**370[B]**	**1,300[B]**	**48[B]**	**950[B]**	**8,200[B]**	**8,900[B]**	**14,000[B]**	**9,300[B]**	**24,000[B]**	**42,000[B]**	**14,000[B]**	**4,800[B]**	**22,000[B]**	**3,000[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E4 (Continued)								E5												
Sample Date				24-Oct-17	1-Mar-18	19-Apr-18	6-Jun-18	20-Sep-18	27-Aug-19	18-Nov-19	20-Apr-20	9-Oct-14	4-Dec-14	27-Jan-15	11-May-15	15-Jul-15	11-Sep-15	23-Oct-15	16-Dec-15	10-Mar-16	29-Jul-16	26-Apr-17	26-Apr-17	
Sample ID				E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG Field Duplicate	
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					(%)
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E4 (Continued)								E5												
Sample Date				24-Oct-17	1-Mar-18	19-Apr-18	6-Jun-18	20-Sep-18	27-Aug-19	18-Nov-19	20-Apr-20	9-Oct-14	4-Dec-14	27-Jan-15	11-May-15	15-Jul-15	11-Sep-15	23-Oct-15	16-Dec-15	10-Mar-16	29-Jul-16	26-Apr-17	26-Apr-17	
Sample ID				E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-4	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	E-5	
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	
Laboratory Work Order																							Field Duplicate	
Sample Type	Units	Site Specific	Ontario SCS																					(%)
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**48,000[B]**	**31,000[B]**	**45,000[B]**	**34,000[B]**	**130,000[B]**	**120,000[B]**	**89,000[B]**	**17,000[B]**	**3,500[B]**	**41,000[B]**	**35,000[B]**	**30,000[B]**	**30,000[B]**	**28,000[B]**	**3,700[B]**	**59,000[B]**	**56,000[B]**	**27,000[B]**	**59,000[B]**	**57,000[B]**	nc
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**260,000[B]**	**43,000[B]**	**23,000[B]**	**4,400[B]**	**10,000[B]**	**460[B]**	**1,100[B]**	**1,400[B]**	**11,000[B]**	**380,000[B]**	**97,000[B]**	**110,000[B]**	**91,000[B]**	**93,000[B]**	**37,000[B]**	**16,000[B]**	**15,000[B]**	**28,000[B]**	**2,400[B]**	**2,100[B]**	nc
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**18,000[B]**	**5,100[B]**	**6,300[B]**	**4,100[B]**	**1,400[B]**	**3,600[B]**	**1,500[B]**	**1,700[B]**	**2,200[B]**	**93,000[B]**	**64,000[B]**	**56,000[B]**	**59,000[B]**	**56,000[B]**	**4,300[B]**	**8,800[B]**	**13,000[B]**	**8,200[B]**	**20,000[B]**	**18,000[B]**	nc
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**1,600[B]**	**2,100[B]**	**6,200[B]**	**3,800[B]**	**5,500[B]**	**11,000[B]**	**8,300[B]**	**10,000[B]**	**380[B]**	**290[B]**	**1,600[B]**	**1,000[B]**	**1,100[B]**	**1,000[B]**	**3,900[B]**	**9,400[B]**	**8,200[B]**	**3,000[B]**	**56,000[B]**	**53,000[B]**	nc
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E5 (Continued)						E6														
Sample Date				2-Aug-17	24-Oct-17	28-Feb-18	19-Apr-18	5-Jun-18	20-Sep-18	9-Oct-14	4-Dec-14	27-Jan-15	12-May-15	15-Jul-15	11-Sep-15	23-Oct-15	17-Dec-15	11-Mar-16	29-Jul-16	26-Apr-17	1-Aug-17	26-Oct-17	1-Mar-18	5-Jun-18
Sample ID				E-5	E-5	E-5	E-5	E-5	E-5	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E5 (Continued)						E6													
Sample Date				2-Aug-17	24-Oct-17	28-Feb-18	19-Apr-18	5-Jun-18	20-Sep-18	9-Oct-14	4-Dec-14	27-Jan-15	12-May-15	15-Jul-15	11-Sep-15	23-Oct-15	17-Dec-15	11-Mar-16	29-Jul-16	26-Apr-17	1-Aug-17	26-Oct-17	1-Mar-18	5-Jun-18
Sample ID				E-5	E-5	E-5	E-5	E-5	E-5	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6	E-6
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**11,000[B]**	**9,400[B]**	**35,000[B]**	**23,000[B]**	**44,000[B]**	**13,000[B]**	**22,000[B]**	**3,700[B]**	**47,000[B]**	**74,000[B]**	**130,000[B]**	**85,000[B]**	**9,600[B]**	**60,000[B]**	**38,000[B]**	**630[B]**	**2,500[B]**	**10,000[B]**	**8,200[B]**	**11,000[B]**	**4,200[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**150,000[B]**	**19,000[B]**	**3,500[B]**	**2,200[B]**	**1,100[B]**	**110[B]**	**66,000[B]**	**9,900[B]**	**8,800[B]**	**8,600[B]**	**600[B]**	**3,800[B]**	**43,000[B]**	**220[B]**	**280[B]**	**130[B]**	**23[B]**	**18[B]**	**82[B]**	**580[B]**	**2.4[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**17,000[B]**	**3,400[B]**	**3,200[B]**	**1,900[B]**	**1,500[B]**	**100[B]**	**35,000[B]**	**2,400[B]**	**2,100[B]**	**3,000[B]**	**710[B]**	**8,000[B]**	**3,700[B]**	**3,300[B]**	**560[B]**	**350[B]**	**91[B]**	**5.4[B]**	**340[B]**	**350[B]**	**2.9[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**2,500[B]**	**1,700[B]**	**1,900[B]**	**2,100[B]**	**3,700[B]**	**380[B]**	**740[B]**	**240[B]**	**7,200[B]**	**9,300[B]**	**17,000[B]**	**16,000[B]**	**2,000[B]**	**7,400[B]**	**10,000[B]**	**490[B]**	**560[B]**	**870[B]**	**1,800[B]**	**3,700[B]**	**6,000[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E6 (Cont.)	MW00-3													MW00-4							
Sample Date				20-Sep-18	16-May-00	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	2-Sep-04	20-Jun-05	5-Dec-08	20-Aug-09	28-Aug-10	25-Nov-15	15-Aug-16	16-May-00	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	24-Aug-04	16-Jun-05	5-Dec-08
Sample ID				E-6	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																						
General Chemistry																									
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																									
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																									
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				E6 (Cont.)	MW00-3													MW00-4							
Sample Date				20-Sep-18	16-May-00	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	2-Sep-04	20-Jun-05	5-Dec-08	20-Aug-09	28-Aug-10	25-Nov-15	15-Aug-16	16-May-00	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	24-Aug-04	16-Jun-05	5-Dec-08
Sample ID				E-6	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-3	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																					
Sample Type	Units	Site Specific	Ontario SCS																						
Polycyclic Aromatic Hydrocarbons																									
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																									
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**13[B]**	**273[B]**	**3,300[B]**	**4,400[B]**	**689[B]**	**8,810[B]**	**13,000[B]**	**3,590[B]**	**3,000[B]**	**12,000[B]**	**4,000[B]**	**8,500[B]**	**490[B]**	**1,500[B]**	**9,400[B]**	**7.6[B]**	**166[B]**	**14.8[B]**	**2,210[B]**	**7.1[B]**	**21[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.76[B]**	**520[B]**	**300[B]**	**330[B]**	**365[B]**	**1,300[B]**	**1,210[B]**	**528[B]**	**770[B]**	**3,800[B]**	**910[B]**	**60,000[B]**	**61[B]**	**14,400[B]**	**750[B]**	**8.5[B]**	**817[B]**	**19.2[B]**	**492[B]**	**2.7[B]**	**28[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.42	**185[B]**	**600[B]**	**940[B]**	**317[B]**	**5,300[B]**	**6,940[B]**	**1,710[B]**	**2,200[B]**	**17,000[B]**	**4,300[B]**	**11,000[B]**	**130[B]**	**3,500[B]**	**2,200[B]**	**2[B]**	**155[B]**	**3.6[B]**	**524[B]**	**1.5[B]**	**14[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**59[B]**	<0.5	**450[B]**	**850[B]**	**12.7[B]**	**713[B]**	**1,140[B]**	**343[B]**	**76[B]**	**410[B]**	**180[B]**	**250[B]**	**20[B]**	<0.5	**1,800[B]**	<0.5	**4.8[B]**	**0.7[B]**	**604[B]**	<0.2	**2.2[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW00-4 (Continued)												MW00-5						
Sample Date				26-Jul-11	23-Nov-12	27-Jun-13	8-May-14	25-Nov-15	15-Aug-16	2-Aug-17	19-Apr-18	20-Nov-19	11-Aug-20	4-May-21	16-May-00	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	27-Aug-04	20-Jun-05
Sample ID				MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-5	MW00-5	MW00-5	MW00-5	MW00-5	MW00-5	MW00-5
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																		
General Chemistry																					
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																					
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW00-4 (Continued)											MW00-5						
Sample Date				26-Jul-11	23-Nov-12	27-Jun-13	8-May-14	25-Nov-15	15-Aug-16	2-Aug-17	19-Apr-18	20-Nov-19	11-Aug-20	4-May-21	16-May-00	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	27-Aug-04	20-Jun-05
Sample ID				MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-4	MW00-5	MW00-5	MW00-5	MW00-5	MW00-5	MW00-5	MW00-5
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																		
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																					
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**3,000[B]**	**330[B]**	**8,200[B]**	**460[B]**	**1,600[B]**	**56[B]**	**310[B]**	**2.4[B]**	**70[B]**	**15[B]**	1.3	**29[B]**	**50,000[B]**	**9,500[B]**	**16,600[B]**	**12,100[B]**	**9,540[B]**	**9,760[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**230[B]**	**17[B]**	**75[B]**	**4.1[B]**	**34[B]**	**5.3[B]**	**1.9[B]**	**0.53[B]**	**8.0[B]**	**2.5[B]**	**1.3[B]**	**50[B]**	***<250***	***<25***	**38.8[B]**	***<50***	***<40***	***<50***
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**240[B]**	**19[B]**	**230[B]**	**5.8[B]**	**37[B]**	**4.2[B]**	**3.3[B]**	0.22	**3.5[B]**	**1.3[B]**	0.40	**20.9[B]**	**400[B]**	**240[B]**	**207[B]**	**39.7[B]**	***<40***	***<50***
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**23[B]**	**53[B]**	**410[B]**	***<4.0***	**14[B]**	**16[B]**	**14[B]**	**3.4[B]**	**80[B]**	**3.7[B]**	<0.20	<0.5	**2,800[B]**	**880[B]**	**738[B]**	**2,310[B]**	**2,400[B]**	**1,440[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW00-5 (Continued)					MW00-6							MW00-7							
Sample Date				5-Dec-08	20-Aug-09	28-Aug-10	27-Jul-11	19-Apr-18	16-May-00	16-Aug-01	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	24-Aug-04	16-May-00	16-Aug-01	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	24-Aug-04	20-Jun-05
Sample ID				MW00-5	MW00-5	MW00-5	MW00-5	MW00-5	MW00-6	MW00-6	MW00-6	MW00-6	MW00-6	MW00-6	MW00-6	MW00-7	MW00-7	MW00-7	MW00-7	MW00-7	MW00-7	MW00-7	MW00-7
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	HISTWG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW00-5 (Continued)					MW00-6							MW00-7							
Sample Date				5-Dec-08	20-Aug-09	28-Aug-10	27-Jul-11	19-Apr-18	16-May-00	16-Aug-01	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	24-Aug-04	16-May-00	16-Aug-01	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	24-Aug-04	20-Jun-05
Sample ID				MW00-5	MW00-5	MW00-5	MW00-5	MW00-5	MW00-6	MW00-6	MW00-6	MW00-6	MW00-6	MW00-6	MW00-6	MW00-7	MW00-7	MW00-7	MW00-7	MW00-7	MW00-7	MW00-7	MW00-7
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																			
Sample Type	Units	Site Specific	Ontario SCS																				
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**330[B]**	**130[B]**	**170[B]**	**18[B]**	**6.8[B]**	<0.4	**13,000[B]**	**9,800[B]**	**55[B]**	**181[B]**	**294[B]**	**1,650[B]**	**58[B]**	**1,800[B]**	**2,100[B]**	**2,300[B]**	**4,300[B]**	**5,170[B]**	**9,780[B]**	**5,220[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**3[B]**	***<5***	**0.6[B]**	<0.3	**0.71[B]**	**267[B]**	**4,800[B]**	**59,000[B]**	**370[B]**	**1,050[B]**	**1,100[B]**	**500[B]**	**46.2[B]**	**75[B]**	**100[B]**	**2,200[B]**	**1,240[B]**	**1,280[B]**	**1,330[B]**	**2,410[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**2[B]**	***<5***	**2.0[B]**	**1.1[B]**	**0.70[B]**	**773[B]**	**9,000[B]**	**36,000[B]**	**89[B]**	**373[B]**	**350[B]**	**917[B]**	**19.6[B]**	**440[B]**	**840[B]**	**3,200[B]**	**4,210[B]**	**8,120[B]**	**12,000[B]**	**7,940[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**80[B]**	**81[B]**	**110[B]**	**31[B]**	**2.2[B]**	**641[B]**	**1,500[B]**	**1,900[B]**	**48[B]**	**83.1[B]**	**269[B]**	**347[B]**	**920[B]**	**450[B]**	**200[B]**	**700[B]**	**616[B]**	**564[B]**	**746[B]**	**563[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW00-7 (Continued)					MW00-8							MW01-10								
Sample Date				9-Dec-08	24-Aug-09	31-Aug-10	27-Jul-11	23-Nov-12	16-May-00	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	27-Aug-04	20-Jun-05	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	30-Aug-04	15-Jun-05	5-Dec-08	20-Aug-09	28-Aug-10
Sample ID				MW00-7	MW00-7	MW00-7	MW00-7	MW00-7	MW00-8	MW00-8	MW00-8	MW00-8	MW00-8	MW00-8	MW00-8	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN
Laboratory Work Order				HISTWG		HISTWG		HISTWG	HISTWG	HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW00-7 (Continued)					MW00-8							MW01-10								
Sample Date				9-Dec-08	24-Aug-09	31-Aug-10	27-Jul-11	23-Nov-12	16-May-00	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	27-Aug-04	20-Jun-05	16-Aug-01	9-Jul-02	15-Jun-03	12-Nov-03	30-Aug-04	15-Jun-05	5-Dec-08	20-Aug-09	28-Aug-10
Sample ID				MW00-7	MW00-7	MW00-7	MW00-7	MW00-7	MW00-8	MW00-8	MW00-8	MW00-8	MW00-8	MW00-8	MW00-8	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**2,700[B]**	**610[B]**	**670[B]**	**400[B]**	**38[B]**	**497[B]**	**960[B]**	**1,200[B]**	**265[B]**	**178[B]**	**1,490[B]**	**977[B]**	**1,100[B]**	**400[B]**	**361[B]**	**682[B]**	**690[B]**	**300[B]**	**590[B]**	**570[B]**	**440[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**680[B]**	**47[B]**	***<5***	**2[B]**	**0.57[B]**	**159[B]**	**1,500[B]**	**2,000[B]**	**1,320[B]**	**1,690[B]**	**1,330[B]**	**564[B]**	**2,700[B]**	**4,600[B]**	**13,500[B]**	**9,520[B]**	**11,700[B]**	**6,130[B]**	**780[B]**	**580[B]**	**210[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**1,800[B]**	**39[B]**	**9[B]**	**4[B]**	**3.0[B]**	**115[B]**	**340[B]**	**900[B]**	**322[B]**	**353[B]**	**614[B]**	**301[B]**	**940[B]**	**720[B]**	**1,650[B]**	**924[B]**	**1,480[B]**	**745[B]**	**600[B]**	**370[B]**	**160[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**93[B]**	**110[B]**	**650[B]**	**320[B]**	**170[B]**	**18.7[B]**	***<25***	**180[B]**	***<8***	***<20***	**9.6[B]**	***<10***	**25[B]**	***<50***	***<80***	***<80***	***<200***	***<40***	***<4***	**9.1[B]**	**21[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW01-10 (Continued)											MW02-17				
Sample Date				26-Jul-11	23-Nov-12	26-Jun-13	8-May-14	26-Nov-15	16-Aug-16	2-Aug-17	19-Apr-18	28-Nov-19	10-Aug-20	4-May-21	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	26-Aug-04
Sample ID				MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																
General Chemistry																			
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																			
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																			
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW01-10 (Continued)											MW02-17				
Sample Date				26-Jul-11	23-Nov-12	26-Jun-13	8-May-14	26-Nov-15	16-Aug-16	2-Aug-17	19-Apr-18	28-Nov-19	10-Aug-20	4-May-21	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	26-Aug-04
Sample ID				MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW01-10	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																
Polycyclic Aromatic Hydrocarbons																			
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**630[B]**	**410[B]**	**300[B]**	**770[B]**	**5,400[B]**	**1,000[B]**	**500[B]**	**530[B]**	**2,200[B]**	**20,000[B]**	**210[B]**	**2,000[B]**	**1,900[B]**	**3,400[B]**	**2,520[B]**	**2,620[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**240[B]**	**360[B]**	**860[B]**	**1,400[B]**	**610[B]**	**2,300[B]**	**680[B]**	**580[B]**	**250[B]**	**61,000[B]**	**150[B]**	**2,400[B]**	**500[B]**	**587[B]**	**462[B]**	**111[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**170[B]**	**200[B]**	**500[B]**	**630[B]**	**250[B]**	**500[B]**	**310[B]**	**240[B]**	**480[B]**	**28,000[B]**	**66[B]**	**760[B]**	**240[B]**	**404[B]**	**321[B]**	**93.2[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	***<20***	***<20***	***<10***	***<10***	**1,600[B]**	**220[B]**	**6.1[B]**	**3.4[B]**	**580[B]**	**3,400[B]**	**11[B]**	**450[B]**	**350[B]**	**510[B]**	**841[B]**	**891[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-17 (Continued)																			
Sample Date				16-Jun-05	1-Dec-05	16-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	28-Aug-08	9-Dec-08	19-May-09	20-Aug-09	20-Nov-09	19-Feb-10	4-Jun-10	27-Aug-10	30-Nov-10	26-Jul-11	27-Jun-12	21-Nov-12	3-Jul-13
Sample ID				MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-17 (Continued)																			
Sample Date				16-Jun-05	1-Dec-05	16-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	28-Aug-08	9-Dec-08	19-May-09	20-Aug-09	20-Nov-09	19-Feb-10	4-Jun-10	27-Aug-10	30-Nov-10	26-Jul-11	27-Jun-12	21-Nov-12	3-Jul-13
Sample ID				MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**992[B]**	**690[B]**	**1,500[B]**	**510[B]**	**410[B]**	**650[B]**	**3,600[B]**	**6,600[B]**	**1,500[B]**	**480[B]**	**1,500[B]**	**1,200[B]**	**4,900[B]**	**9,700[B]**	**2,200[B]**	**2,100[B]**	**170[B]**	**820[B]**	**1,600[B]**	**270[B]**	**660[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**99.4[B]**	**21[B]**	**200[B]**	**13[B]**	**21[B]**	**20[B]**	**1,200[B]**	**1,100[B]**	**900[B]**	**690[B]**	**1,000[B]**	**810[B]**	**410[B]**	**510[B]**	**170[B]**	**220[B]**	**47[B]**	**110[B]**	**270[B]**	**150[B]**	**520[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**93.1[B]**	**13[B]**	**220[B]**	**13[B]**	**14[B]**	**19[B]**	**1,200[B]**	**1,300[B]**	**730[B]**	**370[B]**	**720[B]**	**510[B]**	**550[B]**	**930[B]**	**190[B]**	**630[B]**	**48[B]**	**79[B]**	**210[B]**	**100[B]**	**310[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**388[B]**	**1,300[B]**	**1,400[B]**	**1,200[B]**	**1,800[B]**	**1,200[B]**	**610[B]**	**950[B]**	**130[B]**	**28[B]**	**61[B]**	**66[B]**	**190[B]**	**180[B]**	**250[B]**	**150[B]**	**48[B]**	**23[B]**	**92[B]**	**16[B]**	**84[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-17 (Continued)																				MW02-18
Sample Date				11-Nov-13	8-May-14	24-Sep-14	14-Jul-15	26-Nov-15	21-Apr-16	16-Aug-16	25-Apr-17	1-Aug-17	26-Oct-17	13-Apr-18	19-Sep-18	15-Apr-19	27-Aug-19	20-Nov-19	3-Jun-20	11-Aug-20	23-Sep-20	11-Dec-20	6-May-21	21-Feb-02
Sample ID				MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-18
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																				
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	$420_{\leq 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	$150_{\leq 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	$500_{\leq 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	$500_{\leq 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-17 (Continued)																			MW02-18
Sample Date				11-Nov-13	8-May-14	24-Sep-14	14-Jul-15	26-Nov-15	21-Apr-16	16-Aug-16	25-Apr-17	1-Aug-17	26-Oct-17	13-Apr-18	19-Sep-18	15-Apr-19	27-Aug-19	20-Nov-19	3-Jun-20	11-Aug-20	23-Sep-20	11-Dec-20	6-May-21	21-Feb-02
Sample ID				MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-17	MW02-18
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**1,900[B]**	**250[B]**	**1,200[B]**	**490[B]**	**500[B]**	**79[B]**	**790[B]**	**580[B]**	**1,200[B]**	**590[B]**	**2,100[B]**	**3,100[B]**	**9,800[B]**	**1,500[B]**	**8,700[B]**	**3,000[B]**	**2,300[B]**	**620[B]**	**2,900[B]**	**3,800[B]**	**920[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**760[B]**	**68[B]**	**770[B]**	**430[B]**	**250[B]**	**100[B]**	**220[B]**	**160[B]**	**140[B]**	**90[B]**	**230[B]**	**280[B]**	**1,300[B]**	**200[B]**	**800[B]**	**480[B]**	**190[B]**	**89[B]**	**280[B]**	**430[B]**	**100[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**560[B]**	**61[B]**	**520[B]**	**270[B]**	**230[B]**	**47[B]**	**160[B]**	**170[B]**	**170[B]**	**110[B]**	**400[B]**	**650[B]**	**2,900[B]**	**500[B]**	**2,900[B]**	**1,400[B]**	**790[B]**	**150[B]**	**620[B]**	**1,100[B]**	**160[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**560[B]**	**22[B]**	**150[B]**	**96[B]**	**97[B]**	0.30	**150[B]**	**52[B]**	**110[B]**	**58[B]**	**120[B]**	**250[B]**	**730[B]**	**77[B]**	**1,200[B]**	**220[B]**	**260[B]**	**26[B]**	**130[B]**	**170[B]**	**1,200[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-18 (Continued)																			
Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Sample Type	Units	Site Specific	Ontario SCS	9-Jul-02 MW02-18 UNKNOWN UNKNOWN HISTWG	15-Jun-03 MW02-18 UNKNOWN UNKNOWN HISTWG	12-Nov-03 MW02-18 UNKNOWN UNKNOWN HISTWG	28-Aug-04 MW02-18 UNKNOWN UNKNOWN HISTWG	15-Jun-05 MW02-18 UNKNOWN UNKNOWN HISTWG	5-Dec-08 MW02-18 UNKNOWN UNKNOWN HISTWG	26-Jul-11 MW02-18 UNKNOWN UNKNOWN HISTWG	21-Nov-12 MW02-18 UNKNOWN UNKNOWN HISTWG	3-Jul-13 MW02-18 UNKNOWN UNKNOWN HISTWG	8-May-14 MW02-18 UNKNOWN UNKNOWN HISTWG	25-Nov-15 MW02-18 UNKNOWN UNKNOWN HISTWG	16-Aug-16 MW02-18 UNKNOWN UNKNOWN HISTWG	25-Apr-17 MW02-18 UNKNOWN UNKNOWN HISTWG	1-Aug-17 MW02-18 UNKNOWN UNKNOWN HISTWG	25-Oct-17 MW02-18 UNKNOWN UNKNOWN HISTWG	27-Feb-18 MW02-18 UNKNOWN UNKNOWN HISTWG	11-Apr-18 MW02-18 UNKNOWN UNKNOWN HISTWG	27-Aug-19 MW02-18 UNKNOWN UNKNOWN HISTWG	20-Nov-19 MW02-18 UNKNOWN UNKNOWN HISTWG	3-Jun-20 MW02-18 UNKNOWN UNKNOWN HISTWG	7-Aug-20 MW02-18 UNKNOWN UNKNOWN HISTWG
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-18 (Continued)																			
Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Sample Type	Units	Site Specific	Ontario SCS	9-Jul-02 MW02-18 UNKNOWN UNKNOWN HISTWG	15-Jun-03 MW02-18 UNKNOWN UNKNOWN HISTWG	12-Nov-03 MW02-18 UNKNOWN UNKNOWN HISTWG	28-Aug-04 MW02-18 UNKNOWN UNKNOWN HISTWG	15-Jun-05 MW02-18 UNKNOWN UNKNOWN HISTWG	5-Dec-08 MW02-18 UNKNOWN UNKNOWN HISTWG	26-Jul-11 MW02-18 UNKNOWN UNKNOWN HISTWG	21-Nov-12 MW02-18 UNKNOWN UNKNOWN HISTWG	3-Jul-13 MW02-18 UNKNOWN UNKNOWN HISTWG	8-May-14 MW02-18 UNKNOWN UNKNOWN HISTWG	25-Nov-15 MW02-18 UNKNOWN UNKNOWN HISTWG	16-Aug-16 MW02-18 UNKNOWN UNKNOWN HISTWG	25-Apr-17 MW02-18 UNKNOWN UNKNOWN HISTWG	1-Aug-17 MW02-18 UNKNOWN UNKNOWN HISTWG	25-Oct-17 MW02-18 UNKNOWN UNKNOWN HISTWG	27-Feb-18 MW02-18 UNKNOWN UNKNOWN HISTWG	11-Apr-18 MW02-18 UNKNOWN UNKNOWN HISTWG	27-Aug-19 MW02-18 UNKNOWN UNKNOWN HISTWG	20-Nov-19 MW02-18 UNKNOWN UNKNOWN HISTWG	3-Jun-20 MW02-18 UNKNOWN UNKNOWN HISTWG	7-Aug-20 MW02-18 UNKNOWN UNKNOWN HISTWG
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**770[B]**	**1,050[B]**	**447[B]**	**715[B]**	**402[B]**	**180[B]**	**110[B]**	**55[B]**	**7.9[B]**	1.6	0.84	**6.4[B]**	**2.8[B]**	**3.2[B]**	**13[B]**	0.75	1.4	<0.50	**2.5[B]**	**5.7[B]**	**100[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**5[B]**	**70.9[B]**	**14.4[B]**	**26.3[B]**	**7[B]**	**15[B]**	***<10***	<0.25	**340[B]**	**1.6[B]**	**1.7[B]**	**12[B]**	**1.5[B]**	0.41	0.37	0.22	0.31	<0.20	**17[B]**	**0.62[B]**	0.38
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**40[B]**	**97.1[B]**	**10.9[B]**	**83.4[B]**	**11.9[B]**	**2[B]**	***<10***	**3.7[B]**	**10[B]**	**1.4[B]**	<0.10	**1.8[B]**	**0.55[B]**	**0.76[B]**	**0.55[B]**	<0.20	0.27	**0.80[B]**	**0.95[B]**	0.41	**0.54[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**780[B]**	**914[B]**	**372[B]**	**84.1[B]**	**82.8[B]**	**190[B]**	**93[B]**	**1.1[B]**	***<4.0***	<0.20	<0.20	<0.20	**0.60[B]**	**0.82[B]**	**4.9[B]**	0.37	**2.5[B]**	<0.20	**0.58[B]**	**2.4[B]**	**80[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-18 (Continued)														MW02-19							
Sample Date				23-Sep-20	8-Dec-20	22-Feb-21	7-May-21	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	26-Aug-04	16-Jun-05	9-Dec-08	26-Jul-11	21-Nov-12	3-Jul-13	8-May-14	25-Nov-15	16-Aug-16	25-Apr-17	2-Aug-17	26-Oct-17	27-Feb-18
Sample ID				MW02-18	MW02-18	MW02-18	MW02-18	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-18 (Continued)				MW02-19															
Sample Date				23-Sep-20	8-Dec-20	22-Feb-21	7-May-21	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	26-Aug-04	16-Jun-05	9-Dec-08	26-Jul-11	21-Nov-12	3-Jul-13	8-May-14	25-Nov-15	16-Aug-16	25-Apr-17	2-Aug-17	26-Oct-17	27-Feb-18
Sample ID				MW02-18	MW02-18	MW02-18	MW02-18	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**12[B]**	**3.2[B]**	**3.8[B]**	<0.50	**2,900[B]**	**1,600[B]**	<0.1	**3,100[B]**	**2,210[B]**	**885[B]**	**52[B]**	**4,500[B]**	**2,400[B]**	**1,300[B]**	**150[B]**	**1,400[B]**	**1,000[B]**	**1,100[B]**	**1,100[B]**	**2,100[B]**	**1,900[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.67[B]**	0.31	0.22	0.30	**2,700[B]**	**500[B]**	**657[B]**	**580[B]**	**35.9[B]**	**31.4[B]**	<0.1	**26[B]**	**22[B]**	**100[B]**	**17[B]**	**200[B]**	**49[B]**	**12[B]**	**28[B]**	**35[B]**	**40[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.32	<0.20	0.22	<0.20	**960[B]**	**280[B]**	**265[B]**	**470[B]**	**35.1[B]**	**34.1[B]**	**2.2[B]**	**350[B]**	**38[B]**	**200[B]**	**28[B]**	**300[B]**	**120[B]**	**16[B]**	**54[B]**	**96[B]**	**140[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	0.38	**1.6[B]**	**1.4[B]**	<0.20	**850[B]**	**700[B]**	**266[B]**	**693[B]**	**1,460[B]**	**986[B]**	**46[B]**	**120[B]**	**350[B]**	**160[B]**	**17[B]**	**92[B]**	**12[B]**	**83[B]**	**3.7[B]**	**16[B]**	**190[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-19 (Continued)										MW02-21										
Sample Date				13-Apr-18	27-Aug-19	20-Nov-19	3-Jun-20	7-Aug-20	23-Sep-20	8-Dec-20	22-Feb-21	6-May-21	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	27-Aug-04	16-Dec-04	29-Apr-05	16-Jun-05	1-Dec-05	16-Mar-06	19-Jun-06	5-Oct-06
Sample ID				MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	$420_{\leq 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	$150_{\leq 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	$500_{\leq 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	$500_{\leq 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-19 (Continued)										MW02-21										
Sample Date				13-Apr-18	27-Aug-19	20-Nov-19	3-Jun-20	7-Aug-20	23-Sep-20	8-Dec-20	22-Feb-21	6-May-21	21-Feb-02	9-Jul-02	15-Jun-03	12-Nov-03	27-Aug-04	16-Dec-04	29-Apr-05	16-Jun-05	1-Dec-05	16-Mar-06	19-Jun-06	5-Oct-06
Sample ID				MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-19	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**2,300[B]**	**15,000[B]**	**6,600[B]**	**3,400[B]**	**5,200[B]**	**5,100[B]**	**2,600[B]**	**130[B]**	**1,700[B]**	**210[B]**	**320[B]**	**272[B]**	**192[B]**	**309[B]**	**168[B]**	**281[B]**	**196[B]**	**200[B]**	**180[B]**	**190[B]**	**210[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**230[B]**	**1,100[B]**	**1,000[B]**	**96[B]**	**98[B]**	**87[B]**	**41[B]**	**2.4[B]**	**23[B]**	**39[B]**	**100[B]**	**62.6[B]**	**118[B]**	**155[B]**	**84.6[B]**	**86.3[B]**	**118[B]**	**98[B]**	**66[B]**	**83[B]**	**110[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**470[B]**	**1,300[B]**	**950[B]**	**170[B]**	**180[B]**	**170[B]**	**68[B]**	**4.3[B]**	**42[B]**	**55[B]**	**100[B]**	**66.3[B]**	**94.8[B]**	**176[B]**	**88.9[B]**	**64.7[B]**	**127[B]**	**100[B]**	**69[B]**	**100[B]**	**110[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**80[B]**	**3,200[B]**	**650[B]**	**430[B]**	**700[B]**	**840[B]**	**200[B]**	**770[B]**	**580[B]**	**29[B]**	**20[B]**	**16.8[B]**	**5.1[B]**	**11.1[B]**	**3[B]**	**87[B]**	**10.1[B]**	**8[B]**	**24[B]**	**8[B]**	**10[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-21 (Continued)																			
Sample Date				9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	28-Aug-08	25-Mar-09	15-May-09	21-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	29-Nov-10	17-Mar-11	27-Jul-11	19-Jun-12	23-Nov-12	26-Jun-13	12-Nov-13	7-May-14	24-Sep-14
Sample ID				MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-21 (Continued)																			
Sample Date				9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	28-Aug-08	25-Mar-09	15-May-09	21-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	29-Nov-10	17-Mar-11	27-Jul-11	19-Jun-12	23-Nov-12	26-Jun-13	12-Nov-13	7-May-14	24-Sep-14
Sample ID				MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**190[B]**	**2,800[B]**	**610[B]**	**250[B]**	**200[B]**	**180[B]**	**140[B]**	**330[B]**	**340[B]**	**210[B]**	**320[B]**	**420[B]**	**430[B]**	**230[B]**	**370[B]**	**180[B]**	**160[B]**	**230[B]**	**160[B]**	**170[B]**	**280[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**73[B]**	**130[B]**	**62[B]**	**69[B]**	**59[B]**	**36[B]**	**48[B]**	**85[B]**	**46[B]**	**35[B]**	**39[B]**	**82[B]**	**89[B]**	**48[B]**	**71[B]**	**59[B]**	**50[B]**	**61[B]**	**45[B]**	**44[B]**	**43[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**78[B]**	**480[B]**	**170[B]**	**73[B]**	**78[B]**	**44[B]**	**56[B]**	**120[B]**	**76[B]**	**60[B]**	**79[B]**	**120[B]**	**130[B]**	**85[B]**	**140[B]**	**93[B]**	**75[B]**	**80[B]**	**63[B]**	**68[B]**	**70[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**11[B]**	**660[B]**	**67[B]**	**3[B]**	**5[B]**	**9[B]**	***<1***	**6[B]**	**16[B]**	**2[B]**	**12[B]**	**7[B]**	***<5***	**6[B]**	**12[B]**	**4.6[B]**	**6.4[B]**	**2.1[B]**	**4.2[B]**	**2.3[B]**	**20[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-21 (Continued)															MW02-22					
Sample Date				14-Jul-15	23-Nov-15	20-Apr-16	17-Aug-16	24-Apr-17	3-Aug-17	25-Oct-17	1-Mar-18	9-Apr-18	19-Sep-18	16-Apr-19	26-Nov-19	28-Jul-20	19-Oct-20	27-Apr-21	9-Jul-02	12-Sep-02	15-Jun-03	12-Nov-03	2-Sep-04	29-Apr-05
Sample ID				MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	$420_{\leq 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	$150_{\leq 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	$500_{\leq 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	$500_{\leq 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-21 (Continued)														MW02-22					
Sample Date				14-Jul-15	23-Nov-15	20-Apr-16	17-Aug-16	24-Apr-17	3-Aug-17	25-Oct-17	1-Mar-18	9-Apr-18	19-Sep-18	16-Apr-19	26-Nov-19	28-Jul-20	19-Oct-20	27-Apr-21	9-Jul-02	12-Sep-02	15-Jun-03	12-Nov-03	2-Sep-04	29-Apr-05
Sample ID				MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-21	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**170[B]**	**220[B]**	**150[B]**	**74[B]**	**110[B]**	**140[B]**	**200[B]**	**150[B]**	**160[B]**	**230[B]**	**1,200[B]**	**49[B]**	**280[B]**	**1,800[B]**	**2,100[B]**	**180[B]**	**180[B]**	**89.2[B]**	**35.4[B]**	**86.6[B]**	**61.4[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**16[B]**	**28[B]**	**11[B]**	**9.5[B]**	**13[B]**	**68[B]**	**9.0[B]**	**17[B]**	**18[B]**	**13[B]**	**0.92[B]**	0.43	0.36	0.31	<0.20	**7[B]**	**12[B]**	**27.5[B]**	**5.2[B]**	**5.7[B]**	**12.4[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**24[B]**	**47[B]**	**22[B]**	**11[B]**	**29[B]**	**7.0[B]**	**25[B]**	**37[B]**	**51[B]**	**33[B]**	**1.5[B]**	**0.51[B]**	**0.52[B]**	**3.0[B]**	**1.2[B]**	**46[B]**	**66[B]**	**35[B]**	**11.6[B]**	**60.7[B]**	**28.1[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**19[B]**	**8.5[B]**	**33[B]**	**11[B]**	**41[B]**	**31[B]**	**39[B]**	**44[B]**	**36[B]**	**59[B]**	**2,000[B]**	**81[B]**	**730[B]**	**3,400[B]**	**2,600[B]**	**10[B]**	**7[B]**	**8.3[B]**	**1.7[B]**	**2.6[B]**	**7[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-22 (Continued)																				
Sample Date				2-Dec-05	16-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	28-Aug-08	5-Dec-08	25-Mar-09	19-May-09	20-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	17-Mar-11	24-Sep-14	14-Jul-15	23-Nov-15
Sample ID				MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-22 (Continued)																			
Sample Date				2-Dec-05	16-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	28-Aug-08	5-Dec-08	25-Mar-09	19-May-09	20-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	17-Mar-11	24-Sep-14	14-Jul-15	23-Nov-15
Sample ID				MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**110[B]**	**99[B]**	**150[B]**	**200[B]**	**130[B]**	**150[B]**	**49[B]**	**71[B]**	**38[B]**	**56[B]**	**30[B]**	<0.1	**35[B]**	<0.1	**61[B]**	<0.1	**67[B]**	**37[B]**	**15[B]**	**8.9[B]**	**58[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**22[B]**	**26[B]**	**56[B]**	**94[B]**	**50[B]**	**25[B]**	**31[B]**	**35[B]**	**16[B]**	**9.5[B]**	**4.7[B]**	0.1	**4.1[B]**	<0.1	**4.8[B]**	<0.1	**8.2[B]**	**1.9[B]**	**1.5[B]**	**0.56[B]**	**1.7[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**110[B]**	**110[B]**	**98[B]**	**130[B]**	**87[B]**	**49[B]**	**37[B]**	**70[B]**	**56[B]**	**58[B]**	**30[B]**	0.4	**23[B]**	0.1	**39[B]**	0.2	**62[B]**	**26[B]**	**14[B]**	**6.4[B]**	**53[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**7[B]**	**7.0[B]**	**6[B]**	**10[B]**	***<1***	**1.4[B]**	**1.1[B]**	**3.8[B]**	**0.9[B]**	**1.7[B]**	**0.6[B]**	<0.2	**0.7[B]**	<0.2	**0.7[B]**	<0.2	**2.2[B]**	**1.0[B]**	0.45	0.23	**0.92[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-22 (Continued)											MW02-23									
Sample Date				20-Apr-16	17-Aug-16	3-Aug-17	27-Oct-17	11-Apr-18	19-Sep-18	17-Apr-19	21-Nov-19	28-Jul-20	19-Oct-20	28-Apr-21	9-Jul-02	12-Sep-02	15-Jun-03	12-Nov-03	27-Aug-04	16-Dec-04	16-Jun-05	25-Mar-09	20-Aug-09	27-Aug-10
Sample ID				MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-22 (Continued)											MW02-23								
Sample Date				20-Apr-16	17-Aug-16	3-Aug-17	27-Oct-17	11-Apr-18	19-Sep-18	17-Apr-19	21-Nov-19	28-Jul-20	19-Oct-20	28-Apr-21	9-Jul-02	12-Sep-02	15-Jun-03	12-Nov-03	27-Aug-04	16-Dec-04	16-Jun-05	25-Mar-09	20-Aug-09	27-Aug-10
Sample ID				MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-22	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**17[B]**	**22[B]**	**26[B]**	**27[B]**	**29[B]**	**50[B]**	**9.4[B]**	**49[B]**	**33[B]**	**56[B]**	**33[B]**	**13[B]**	**52[B]**	**54.3[B]**	**24.8[B]**	**87.9[B]**	**80.2[B]**	**75.1[B]**	**70[B]**	**87[B]**	**140[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**1.3[B]**	**1.2[B]**	**0.78[B]**	**5.5[B]**	**1.7[B]**	**1.2[B]**	0.48	**0.55[B]**	**0.79[B]**	**0.74[B]**	**0.65[B]**	**1[B]**	<0.5	**3[B]**	**7.2[B]**	**23.1[B]**	**21.9[B]**	**23.3[B]**	**15[B]**	**16[B]**	**23[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**30[B]**	**27[B]**	**31[B]**	**15[B]**	**55[B]**	**43[B]**	**18[B]**	**19[B]**	**52[B]**	**44[B]**	**37[B]**	**2[B]**	**1.6[B]**	**7.6[B]**	**8.1[B]**	**31.8[B]**	**31.7[B]**	**31.9[B]**	**20[B]**	**24[B]**	**40[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	**1.2[B]**	**0.62[B]**	**0.65[B]**	**0.67[B]**	**0.87[B]**	0.31	**0.70[B]**	**1.3[B]**	**0.85[B]**	**0.58[B]**	<0.5	<0.5	<0.4	<0.2	0.2	***<1***	***<1***	<0.2	<0.4	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-23 (Continued)						MW02-24													
Sample Date				26-Jul-11	18-Oct-11	26-Jun-13	17-Aug-16	19-Sep-18	27-Apr-21	9-Jul-02	12-Sep-02	15-Jun-03	12-Nov-03	30-Aug-04	9-Dec-05	17-Mar-06	20-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	27-Aug-08	5-Dec-08
Sample ID				MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-23 (Continued)						MW02-24													
Sample Date				26-Jul-11	18-Oct-11	26-Jun-13	17-Aug-16	19-Sep-18	27-Apr-21	9-Jul-02	12-Sep-02	15-Jun-03	12-Nov-03	30-Aug-04	9-Dec-05	17-Mar-06	20-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	27-Aug-08	5-Dec-08
Sample ID				MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-23	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**19,000[B]**	**100[B]**	**79[B]**	**36[B]**	**30[B]**	1.3	**200[B]**	**110[B]**	**76.1[B]**	**97.8[B]**	**38.1[B]**	**6.0[B]**	**3.2[B]**	**3.1[B]**	**3.2[B]**	**2.2[B]**	**6.6[B]**	**5.0[B]**	**3.0[B]**	**3.3[B]**	**7.4[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**2,600[B]**	**20[B]**	**12[B]**	**7.4[B]**	**6.0[B]**	0.23	**37[B]**	**15[B]**	**9.7[B]**	**15[B]**	**9.5[B]**	**0.8[B]**	0.4	0.4	**0.7[B]**	0.4	**0.8[B]**	**0.9[B]**	**1.0[B]**	**1.0[B]**	**0.7[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4,000[B]**	**34[B]**	**22[B]**	**9.9[B]**	**9.8[B]**	**1.3[B]**	**43[B]**	**14[B]**	**14.9[B]**	**22.3[B]**	**16.9[B]**	**1.1[B]**	0.5	0.5	**0.6[B]**	0.4	**1.4[B]**	**1.3[B]**	**1.4[B]**	**2.0[B]**	**0.7[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	***<20***	***<2***	***<1.0***	<0.20	<0.20	0.20	**36[B]**	**29[B]**	**9.3[B]**	**10.1[B]**	**3.9[B]**	**3.9[B]**	**2.9[B]**	**3.2[B]**	**3.3[B]**	**3.3[B]**	**3.9[B]**	**3.6[B]**	**2.3[B]**	**2.5[B]**	**4.6[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-24 (Continued)																			
Sample Date				19-Feb-09	15-May-09	20-Aug-09	23-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	30-Nov-10	17-Mar-11	26-Jul-11	20-Jun-12	23-Nov-12	2-Jul-13	12-Nov-13	6-May-14	24-Sep-14	15-Jul-15	26-Nov-15	20-Apr-16	15-Aug-16	25-Apr-17
Sample ID				MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-24 (Continued)																			
Sample Date				19-Feb-09	15-May-09	20-Aug-09	23-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	30-Nov-10	17-Mar-11	26-Jul-11	20-Jun-12	23-Nov-12	2-Jul-13	12-Nov-13	6-May-14	24-Sep-14	15-Jul-15	26-Nov-15	20-Apr-16	15-Aug-16	25-Apr-17
Sample ID				MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**12[B]**	**3.6[B]**	**4.9[B]**	**4.1[B]**	**4.5[B]**	**3.7[B]**	**3.2[B]**	**2.2[B]**	**5.9[B]**	**2.7[B]**	**3.3[B]**	**8.3[B]**	**2.4[B]**	1.2	1.3	1.6	**3.1[B]**	<0.10	**2.1[B]**	**3.9[B]**	**1.7[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**16[B]**	0.5	**37[B]**	**6.0[B]**	0.5	0.4	0.3	0.5	**1.2[B]**	**0.6[B]**	**2.2[B]**	**0.82[B]**	**15[B]**	0.12	0.21	<0.20	0.47	<0.10	0.48	0.42	<0.20
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**2.8[B]**	**0.6[B]**	**1.7[B]**	**0.9[B]**	**0.9[B]**	**0.9[B]**	**0.9[B]**	**1.1[B]**	**2.7[B]**	**1.0[B]**	**2.1[B]**	**1.9[B]**	**1.0[B]**	0.29	**0.57[B]**	**0.62[B]**	**1.6[B]**	<0.10	**0.93[B]**	**1.7[B]**	**0.82[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**5.0[B]**	**1.7[B]**	**2.1[B]**	**4.0[B]**	**1.3[B]**	**2.7[B]**	**3.1[B]**	**1.2[B]**	**2.3[B]**	<0.2	**2.4[B]**	**4.8[B]**	**1.2[B]**	**2.4[B]**	**1.3[B]**	**1.7[B]**	**1.4[B]**	<0.20	**0.82[B]**	**2.2[B]**	0.48
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-24 (Continued)													MW02-25			MW02-26				
Sample Date				2-Aug-17	26-Oct-17	18-Apr-18	18-Sep-18	17-Apr-19	29-Aug-19	21-Nov-19	3-Jun-20	6-Aug-20	22-Sep-20	15-Oct-20	11-Dec-20	23-Feb-21	9-Jul-02	12-Sep-02	15-Jun-03	9-Jul-02	12-Sep-02	13-Dec-02	15-Jun-03	12-Nov-03
Sample ID				MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-25	MW02-25	MW02-25	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-24 (Continued)														MW02-25			MW02-26				
Sample Date				2-Aug-17	26-Oct-17	18-Apr-18	18-Sep-18	17-Apr-19	29-Aug-19	21-Nov-19	3-Jun-20	6-Aug-20	22-Sep-20	15-Oct-20	11-Dec-20	23-Feb-21	9-Jul-02	12-Sep-02	15-Jun-03	9-Jul-02	12-Sep-02	13-Dec-02	15-Jun-03	12-Nov-03
Sample ID				MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-24	MW02-25	MW02-25	MW02-25	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**2.4[B]**	**2.7[B]**	**2.1[B]**	**2.2[B]**	**2.0[B]**	**2.2[B]**	**2.1[B]**	**2.1[B]**	**2.3[B]**	**2.1[B]**	**2.2[B]**	**2.4[B]**	**2.0[B]**	0.8	**3.6[B]**	0.6	**230[B]**	**1,800[B]**	**880[B]**	**361[B]**	**133[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.27	0.31	0.24	0.39	0.27	0.34	0.30	0.27	0.30	0.29	0.35	0.31	0.47	**1[B]**	**2[B]**	**0.8[B]**	**100[B]**	**670[B]**	**630[B]**	**362[B]**	**162[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**1.4[B]**	**1.7[B]**	**1.2[B]**	**1.6[B]**	**1.2[B]**	**1.6[B]**	**1.4[B]**	**1.4[B]**	**1.6[B]**	**1.3[B]**	**1.7[B]**	**1.5[B]**	**1.9[B]**	<0.4	**4.8[B]**	**0.7[B]**	**300[B]**	**2,900[B]**	**1,900[B]**	**944[B]**	**304[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**0.66[B]**	**0.81[B]**	**0.51[B]**	0.34	0.40	0.35	0.31	0.35	0.46	0.36	0.36	0.34	0.37	<0.5	<0.5	0.3	**8[B]**	***<5***	***<30***	***<8***	***<4***
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-26 (Continued)																		MW02-27		
Sample Date				27-Aug-04	16-Jun-05	5-Dec-08	3-Jul-13	25-Sep-14	25-Nov-15	15-Aug-16	25-Apr-17	2-Aug-17	24-Oct-17	29-Aug-19	28-Nov-19	4-Jun-20	11-Aug-20	22-Sep-20	11-Dec-20	23-Feb-21	6-May-21	9-Jul-02	12-Sep-02	15-Jun-03
Sample ID				MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-27	MW02-27	MW02-27
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-26 (Continued)																	MW02-27		
Sample Date				27-Aug-04	16-Jun-05	5-Dec-08	3-Jul-13	25-Sep-14	25-Nov-15	15-Aug-16	25-Apr-17	2-Aug-17	24-Oct-17	29-Aug-19	28-Nov-19	4-Jun-20	11-Aug-20	22-Sep-20	11-Dec-20	23-Feb-21	6-May-21	9-Jul-02	12-Sep-02	15-Jun-03
Sample ID				MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-26	MW02-27	MW02-27	MW02-27
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**744[B]**	**375[B]**	**410[B]**	**41[B]**	**270[B]**	**78[B]**	**52[B]**	**91[B]**	**85[B]**	**89[B]**	**28[B]**	**27[B]**	**14[B]**	**21[B]**	**18[B]**	**36[B]**	**17[B]**	**36[B]**	<0.4	<0.4	<0.1
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**739[B]**	**332[B]**	**75[B]**	**8.4[B]**	**8.3[B]**	**4.7[B]**	**4.3[B]**	**5.9[B]**	**15[B]**	**110[B]**	0.21	**0.58[B]**	0.45	**0.51[B]**	**0.77[B]**	**1.0[B]**	0.35	<0.20	<0.5	<0.5	<0.1
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**1,680[B]**	**846[B]**	**300[B]**	**19[B]**	**17[B]**	**7.8[B]**	**7.0[B]**	**6.6[B]**	**25[B]**	**16[B]**	**1.1[B]**	**3.0[B]**	**2.4[B]**	**1.7[B]**	**1.9[B]**	**4.0[B]**	**1.3[B]**	0.46	<0.4	<0.4	<0.1
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	***<20***	***<10***	**5[B]**	**5.2[B]**	**12[B]**	<0.20	***<2.0***	**3.6[B]**	0.21	**0.73[B]**	**26[B]**	**22[B]**	**15[B]**	**16[B]**	**19[B]**	**76[B]**	**10[B]**	**24[B]**	<0.5	<0.5	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-27 (Continued)																			
Sample Date				12-Nov-03	26-Aug-04	16-Jun-05	2-Dec-05	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	27-Aug-08	9-Dec-08	19-Feb-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	1-Dec-10	17-Mar-11
Sample ID				MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG
Laboratory Work Order				HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG	
Sample Type	Units	Site Specific	Ontario SCS																						
General Chemistry																									
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																									
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																									
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-27 (Continued)																			
Sample Date				12-Nov-03	26-Aug-04	16-Jun-05	2-Dec-05	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	27-Aug-08	9-Dec-08	19-Feb-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	1-Dec-10	17-Mar-11
Sample ID				MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	**7.2[B]**	<0.1	0.3	<0.1	<0.1	<0.1
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	**44[B]**	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	**0.8[B]**	<0.1	<0.1	<0.1	**0.6[B]**	<0.1	0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-27 (Continued)																				MW02-28
Sample Date				27-Jul-11	19-Jun-12	21-Nov-12	3-Jul-13	11-Nov-13	8-May-14	24-Sep-14	14-Jul-15	25-Nov-15	20-Apr-16	16-Aug-16	1-Aug-17	25-Oct-17	11-Apr-18	18-Sep-18	16-Apr-19	20-Nov-19	10-Aug-20	16-Oct-20	27-Apr-21	9-Jul-02
Sample ID				MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-28
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-27 (Continued)																				MW02-28
Sample Date				27-Jul-11	19-Jun-12	21-Nov-12	3-Jul-13	11-Nov-13	8-May-14	24-Sep-14	14-Jul-15	25-Nov-15	20-Apr-16	16-Aug-16	1-Aug-17	25-Oct-17	11-Apr-18	18-Sep-18	16-Apr-19	20-Nov-19	10-Aug-20	16-Oct-20	27-Apr-21	9-Jul-02
Sample ID				MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-27	MW02-28
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																				
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.1	1.1	<0.10	1.4	<0.10	<0.10	<0.50	<0.50	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**2.8[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.1	**3.9[B]**	0.17	0.23	<0.10	<0.10	<0.20	0.27	<0.10	0.26	<0.10	<0.20	<0.20	0.21	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**11[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.1	**3.2[B]**	0.11	**0.54[B]**	<0.10	<0.10	<0.20	<0.20	<0.10	<0.10	<0.10	<0.20	0.29	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**3.2[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	<0.20	<0.20	0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.5
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-28 (Continued)		MW02-29			MW02-30			MW02-31										MW02-32		
Sample Date				12-Sep-02	15-Jun-03	9-Jul-02	12-Sep-02	15-Jun-03	9-Jul-02	15-Jun-03	12-Nov-03	13-Dec-02	15-Jun-03	12-Nov-03	15-Jun-05	9-Dec-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	18-Aug-16	13-Dec-02	15-Jun-03	12-Nov-03
Sample ID				MW02-28	MW02-28	MW02-29	MW02-29	MW02-29	MW02-30	MW02-30	MW02-30	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-32	MW02-32	MW02-32
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	$420_{\leq 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	$150_{\leq 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	$500_{\leq 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	$500_{\leq 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-28 (Continued)		MW02-29			MW02-30			MW02-31										MW02-32		
Sample Date				12-Sep-02	15-Jun-03	9-Jul-02	12-Sep-02	15-Jun-03	9-Jul-02	15-Jun-03	12-Nov-03	13-Dec-02	15-Jun-03	12-Nov-03	15-Jun-05	9-Dec-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	18-Aug-16	13-Dec-02	15-Jun-03	12-Nov-03
Sample ID				MW02-28	MW02-28	MW02-29	MW02-29	MW02-29	MW02-30	MW02-30	MW02-30	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-31	MW02-32	MW02-32	MW02-32
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**6.4[B]**	**6[B]**	<0.4	<0.4	<0.1	**110[B]**	**489[B]**	**190[B]**	<0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.5	<0.10	<0.10	**25[B]**	**751[B]**	**120[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**16[B]**	**18.1[B]**	<0.5	<0.5	<0.1	**38[B]**	**54.9[B]**	**68.8[B]**	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.5	<0.10	<0.10	**12[B]**	**49[B]**	**30.6[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4.8[B]**	**5.9[B]**	<0.4	<0.4	<0.1	**31[B]**	**106[B]**	**107[B]**	0.4	0.1	0.2	<0.1	<0.1	<0.1	<0.2	<0.5	<0.10	<0.10	**18[B]**	**241[B]**	**86.3[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.5	<0.2	<0.5	<0.5	<0.2	**26[B]**	**14.8[B]**	***<2***	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.4	***<1***	<0.20	<0.20	<0.5	**69.1[B]**	***<1***
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-32 (Continued)											MW02-33									
Sample Date				29-Apr-05	2-Dec-05	17-Mar-06	5-Oct-06	9-Jan-07	17-Mar-11	2-Aug-17	18-Apr-18	29-Nov-18	17-Apr-19	8-Dec-20	13-Dec-02	15-Jun-03	12-Nov-03	27-Aug-04	2-Dec-05	17-Mar-06	19-Jun-06	5-Oct-06	12-Jan-07	23-May-07
Sample ID				MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG										
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-32 (Continued)												MW02-33									
Sample Date				29-Apr-05	2-Dec-05	17-Mar-06	5-Oct-06	9-Jan-07	17-Mar-11	2-Aug-17	18-Apr-18	29-Nov-18	17-Apr-19	8-Dec-20	13-Dec-02	15-Jun-03	12-Nov-03	27-Aug-04	2-Dec-05	17-Mar-06	19-Jun-06	5-Oct-06	12-Jan-07	23-May-07
Sample ID				MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-32	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**691[B]**	**120[B]**	**90[B]**	**89[B]**	**80[B]**	**23[B]**	**330[B]**	**82[B]**	0.82	**39[B]**	**5.5[B]**	**6.8[B]**	**5.8[B]**	**1.7[B]**	0.7	**88[B]**	**6.8[B]**	**2.0[B]**	**2.1[B]**	0.9	0.8
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**40.3[B]**	**33[B]**	**31[B]**	**32[B]**	**28[B]**	**6.2[B]**	**11[B]**	**11,000[B]**	**43[B]**	**21[B]**	**6.2[B]**	**1.5[B]**	0.2	<0.1	<0.1	**4.2[B]**	**5.0[B]**	0.5	**0.6[B]**	<0.1	<0.1
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**94.3[B]**	**64[B]**	**53[B]**	**58[B]**	**53[B]**	**9.6[B]**	**54[B]**	**240[B]**	**0.61[B]**	**8.8[B]**	**6.4[B]**	**2.8[B]**	**1.3[B]**	**0.7[B]**	0.4	**2.7[B]**	**1.3[B]**	**0.6[B]**	**0.8[B]**	0.3	0.3
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**72[B]**	***<1***	***<0.8***	***<1***	***<1***	<0.5	**15[B]**	**24[B]**	<0.20	0.29	<0.20	**5.5[B]**	0.3	0.2	<0.2	**160[B]**	**3.2[B]**	**2.9[B]**	<0.2	<0.2	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-33 (Continued)																			
Sample Date				28-Aug-08	28-Aug-10	17-Mar-11	4-Jul-13	12-Nov-13	8-May-14	25-Sep-14	15-Jul-15	25-Nov-15	21-Apr-16	16-Aug-16	25-Apr-17	4-Aug-17	27-Oct-17	18-Apr-18	19-Sep-18	17-Apr-19	29-Aug-19	4-Jun-20	6-Aug-20	11-Dec-20
Sample ID				MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-33 (Continued)																			
Sample Date				28-Aug-08	28-Aug-10	17-Mar-11	4-Jul-13	12-Nov-13	8-May-14	25-Sep-14	15-Jul-15	25-Nov-15	21-Apr-16	16-Aug-16	25-Apr-17	4-Aug-17	27-Oct-17	18-Apr-18	19-Sep-18	17-Apr-19	29-Aug-19	4-Jun-20	6-Aug-20	11-Dec-20
Sample ID				MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33	MW02-33
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.1	**3.7[B]**	<0.3	<0.10	**1.8[B]**	0.83	0.82	**2,900[B]**	**3.3[B]**	**21[B]**	**3.6[B]**	**2.8[B]**	0.58	**5.3[B]**	<0.50	1.3	**2,300[B]**	**6.0[B]**	**1.7[B]**	**1.7[B]**	**2.0[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.1	0.1	<0.3	<0.10	<0.10	0.24	0.43	**18[B]**	**0.60[B]**	**25[B]**	**1.8[B]**	**6.2[B]**	**1.2[B]**	**1.9[B]**	**1.1[B]**	**1.2[B]**	0.24	0.40	<0.20	0.31	0.37
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.1	**0.6[B]**	<0.3	<0.10	0.43	0.38	0.36	**21[B]**	<0.10	**6.8[B]**	**1.1[B]**	**2.7[B]**	**0.52[B]**	**2.0[B]**	0.36	**0.79[B]**	0.35	**1.9[B]**	**2.0[B]**	**1.2[B]**	**0.78[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	0.2	<0.5	<0.20	<0.20	<0.20	<0.20	**290[B]**	**2.3[B]**	**17[B]**	**0.89[B]**	0.24	<0.20	**2.6[B]**	<0.20	0.37	**1,300[B]**	**2.0[B]**	<0.20	0.38	**0.62[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-33 (Continued)		MW03-34					MW03-40						MW03-41							
Sample Date				23-Feb-21	6-May-21	1-May-03	15-Jun-03	12-Nov-03	27-Aug-04	16-Jun-05	16-Jun-03	12-Nov-03	30-Aug-04	16-Jun-05	27-Jul-11	27-Jun-13	16-Jun-03	12-Nov-03	30-Aug-04	16-Dec-04	29-Apr-05	15-Jun-05	2-Dec-05	16-Mar-06
Sample ID				MW02-33	MW02-33	MW03-34	MW03-34	MW03-34	MW03-34	MW03-34	MW03-40	MW03-40	MW03-40	MW03-40	MW03-40	MW03-40	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW02-33 (Continued)		MW03-34					MW03-40						MW03-41							
Sample Date				23-Feb-21	6-May-21	1-May-03	15-Jun-03	12-Nov-03	27-Aug-04	16-Jun-05	16-Jun-03	12-Nov-03	30-Aug-04	16-Jun-05	27-Jul-11	27-Jun-13	16-Jun-03	12-Nov-03	30-Aug-04	16-Dec-04	29-Apr-05	15-Jun-05	2-Dec-05	16-Mar-06
Sample ID				MW02-33	MW02-33	MW03-34	MW03-34	MW03-34	MW03-34	MW03-34	MW03-40	MW03-40	MW03-40	MW03-40	MW03-40	MW03-40	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**2.3[B]**	1.1	**2,080[B]**	**961[B]**	**2,120[B]**	**1,670[B]**	**1,090[B]**	<0.1	0.1	0.3	<0.1	<0.1	0.55	0.6	0.2	**83.2[B]**	**25[B]**	**3.6[B]**	**6.4[B]**	**39[B]**	**20[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.42	0.20	**27,700[B]**	**67,900[B]**	**14,200[B]**	**43,000[B]**	**78,500[B]**	<0.1	0.3	**1.1[B]**	0.1	0.2	0.37	**1.1[B]**	0.3	**11.2[B]**	**7.5[B]**	**3.5[B]**	**6.3[B]**	**22[B]**	**12[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**0.93[B]**	0.29	**5,040[B]**	**2,610[B]**	**1,460[B]**	**1,970[B]**	**1,360[B]**	0.2	0.4	**1.6[B]**	0.1	0.1	0.28	0.4	0.2	**15.5[B]**	**10[B]**	**1.9[B]**	**4.2[B]**	**21[B]**	**11[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**0.96[B]**	**0.75[B]**	**127[B]**	***<200***	**145[B]**	***<400***	***<1,000***	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.4	**6.4[B]**	**0.7[B]**	<0.2	0.2	<0.2	0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW03-41 (Continued)																			
Sample Date				19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	4-Mar-08	27-Aug-08	25-Mar-09	15-May-09	21-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	29-Nov-10	17-Mar-11	27-Jul-11	26-Jun-13	12-Nov-13	6-May-14	24-Sep-14	14-Jul-15
Sample ID				MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW03-41 (Continued)																			
Sample Date				19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	4-Mar-08	27-Aug-08	25-Mar-09	15-May-09	21-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	29-Nov-10	17-Mar-11	27-Jul-11	26-Jun-13	12-Nov-13	6-May-14	24-Sep-14	14-Jul-15
Sample ID				MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**6.7[B]**	**5.6[B]**	**12[B]**	**58[B]**	**83[B]**	**47[B]**	**63[B]**	**44[B]**	**120[B]**	**160[B]**	**49[B]**	**130[B]**	**120[B]**	**100[B]**	**42[B]**	**220[B]**	**54[B]**	**34[B]**	**20[B]**	**80[B]**	**52[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**4.8[B]**	**3.5[B]**	**6.5[B]**	**17[B]**	**32[B]**	**9.7[B]**	**22[B]**	**18[B]**	**35[B]**	**25[B]**	**21[B]**	**24[B]**	**22[B]**	**21[B]**	**13[B]**	**30[B]**	**4.7[B]**	**7.9[B]**	**5.0[B]**	**11[B]**	**8.2[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4.3[B]**	**2.3[B]**	**5.5[B]**	**23[B]**	**28[B]**	**14[B]**	**21[B]**	**19[B]**	**52[B]**	**32[B]**	**48[B]**	**48[B]**	**30[B]**	**31[B]**	**18[B]**	**85[B]**	**10[B]**	**11[B]**	**7.7[B]**	**19[B]**	**12[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	**3.2[B]**	<0.2	<0.2	<0.5	<0.4	<0.4	<0.2	0.2	***<1***	***<1***	***<1***	0.3	***<1***	<0.4	***<2***	<0.50	**1.1[B]**	<0.20	0.22	**3.3[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW03-41 (Continued)													MW03-42				MW03-43				MW05-1
Sample Date				24-Nov-15	20-Apr-16	17-Aug-16	24-Apr-17	3-Aug-17	25-Oct-17	10-Apr-18	19-Sep-18	16-Apr-19	26-Nov-19	29-Jul-20	19-Oct-20	16-Jun-03	12-Nov-03	30-Aug-04	16-Jun-05	16-Jun-03	12-Nov-03	30-Aug-04	16-Jun-05	15-Jun-05
Sample ID				MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-42	MW03-42	MW03-42	MW03-42	MW03-43	MW03-43	MW03-43	MW03-43	MW05-1
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																				
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW03-41 (Continued)													MW03-42				MW03-43				MW05-1
Sample Date				24-Nov-15	20-Apr-16	17-Aug-16	24-Apr-17	3-Aug-17	25-Oct-17	10-Apr-18	19-Sep-18	16-Apr-19	26-Nov-19	29-Jul-20	19-Oct-20	16-Jun-03	12-Nov-03	30-Aug-04	16-Jun-05	16-Jun-03	12-Nov-03	30-Aug-04	16-Jun-05	15-Jun-05
Sample ID				MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-41	MW03-42	MW03-42	MW03-42	MW03-42	MW03-43	MW03-43	MW03-43	MW03-43	MW05-1
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**91[B]**	**42[B]**	**27[B]**	**21[B]**	**130[B]**	**220[B]**	**50[B]**	**180[B]**	**13[B]**	**45[B]**	**53[B]**	**41[B]**	<0.1	<0.1	<0.1	**67[B]**	0.4	0.5	0.3	0.2	**10.1[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**9.2[B]**	**7.6[B]**	**3.7[B]**	**3.7[B]**	**8.9[B]**	**6.8[B]**	**12[B]**	**3.9[B]**	**1.4[B]**	**2.6[B]**	**4.8[B]**	**2.1[B]**	<0.1	<0.1	<0.1	**23.6[B]**	<0.2	0.1	0.1	0.1	**0.9[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**12[B]**	**9.2[B]**	**4.4[B]**	**5.5[B]**	**29[B]**	**22[B]**	**18[B]**	**20[B]**	**2.8[B]**	**6.8[B]**	**7.5[B]**	**4.8[B]**	0.2	0.3	0.1	**66.2[B]**	<0.2	0.2	0.1	<0.1	**1.1[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**3.7[B]**	<0.20	**1.7[B]**	0.30	**1.2[B]**	**42[B]**	<0.20	**9.4[B]**	**3.5[B]**	**1.1[B]**	**2.1[B]**	0.49	<0.2	<0.2	<0.2	**5[B]**	<0.4	<0.2	0.2	<0.2	**3.1[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-1 (Continued)				MW05-2															
Sample Date				26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	29-Apr-05	15-Jun-05	1-Dec-05	17-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	27-Aug-08	19-Feb-09	25-Mar-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10
Sample ID				MW05-1	MW05-1	MW05-1	MW05-1	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-1 (Continued)				MW05-2															
Sample Date				26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	29-Apr-05	15-Jun-05	1-Dec-05	17-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	27-Aug-08	19-Feb-09	25-Mar-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10
Sample ID				MW05-1	MW05-1	MW05-1	MW05-1	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**29[B]**	**17[B]**	**19[B]**	**21[B]**	**163[B]**	**230[B]**	**150[B]**	**110[B]**	**130[B]**	**140[B]**	**170[B]**	**65[B]**	**22[B]**	**14[B]**	**19[B]**	**43[B]**	**16[B]**	**12[B]**	**5.8[B]**	**42[B]**	**3.5[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**1.3[B]**	**1.4[B]**	**1.1[B]**	**0.79[B]**	**51.1[B]**	**97[B]**	**75[B]**	**66[B]**	**46[B]**	**79[B]**	**51[B]**	**24[B]**	**6.7[B]**	**5.0[B]**	**5.6[B]**	**29,000[B]**	**23[B]**	**7.9[B]**	**4.1[B]**	**11[B]**	**2.2[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**6.8[B]**	**6.0[B]**	**5.6[B]**	**4.7[B]**	**47.7[B]**	**110[B]**	**75[B]**	**62[B]**	**59[B]**	**83[B]**	**69[B]**	**25[B]**	**7.6[B]**	**5.8[B]**	**6.5[B]**	**540[B]**	**5.0[B]**	**4.3[B]**	**2.7[B]**	**12[B]**	**1.7[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**6.7[B]**	**7.3[B]**	**0.85[B]**	**1.4[B]**	***<2***	**12.5[B]**	0.4	***<1***	<0.5	***<1***	***<1***	0.3	0.4	<0.2	<0.2	***<40***	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-2 (Continued)																			
Sample Date Sample ID Sampling Company Laboratory Laboratory Work Order Sample Type	Units	Site Specific	Ontario SCS	3-Jun-10 MW05-2 UNKNOWN UNKNOWN HISTWG	27-Aug-10 MW05-2 UNKNOWN UNKNOWN HISTWG	16-Mar-11 MW05-2 UNKNOWN UNKNOWN HISTWG	26-Jul-11 MW05-2 UNKNOWN UNKNOWN HISTWG	19-Jun-12 MW05-2 UNKNOWN UNKNOWN HISTWG	21-Nov-12 MW05-2 UNKNOWN UNKNOWN HISTWG	26-Jun-13 MW05-2 UNKNOWN UNKNOWN HISTWG	12-Nov-13 MW05-2 UNKNOWN UNKNOWN HISTWG	6-May-14 MW05-2 UNKNOWN UNKNOWN HISTWG	24-Sep-14 MW05-2 UNKNOWN UNKNOWN HISTWG	14-Jul-15 MW05-2 UNKNOWN UNKNOWN HISTWG	23-Nov-15 MW05-2 UNKNOWN UNKNOWN HISTWG	20-Apr-16 MW05-2 UNKNOWN UNKNOWN HISTWG	17-Aug-16 MW05-2 UNKNOWN UNKNOWN HISTWG	25-Apr-17 MW05-2 UNKNOWN UNKNOWN HISTWG	3-Aug-17 MW05-2 UNKNOWN UNKNOWN HISTWG	26-Oct-17 MW05-2 UNKNOWN UNKNOWN HISTWG	1-Mar-18 MW05-2 UNKNOWN UNKNOWN HISTWG	13-Apr-18 MW05-2 UNKNOWN UNKNOWN HISTWG	19-Sep-18 MW05-2 UNKNOWN UNKNOWN HISTWG	17-Apr-19 MW05-2 UNKNOWN UNKNOWN HISTWG
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-2 (Continued)																			
Sample Date				3-Jun-10	27-Aug-10	16-Mar-11	26-Jul-11	19-Jun-12	21-Nov-12	26-Jun-13	12-Nov-13	6-May-14	24-Sep-14	14-Jul-15	23-Nov-15	20-Apr-16	17-Aug-16	25-Apr-17	3-Aug-17	26-Oct-17	1-Mar-18	13-Apr-18	19-Sep-18	17-Apr-19
Sample ID				MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**79[B]**	**130[B]**	**51[B]**	**110[B]**	**6.6[B]**	**3.8[B]**	**32[B]**	**46[B]**	**8.3[B]**	**4.9[B]**	**1.9[B]**	1.0	**3.2[B]**	**4.6[B]**	**53[B]**	**120[B]**	**110[B]**	**38[B]**	**10[B]**	**6.6[B]**	**36[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**9.9[B]**	**26[B]**	**9.9[B]**	***<10***	**4.1[B]**	**4.6[B]**	**4.8[B]**	**7.1[B]**	**2.2[B]**	**1.6[B]**	**0.66[B]**	**1.1[B]**	**0.52[B]**	**0.98[B]**	**3.7[B]**	**11[B]**	**9.4[B]**	**160[B]**	**4.2[B]**	**2.7[B]**	**4.6[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**15[B]**	**37[B]**	**13[B]**	**24[B]**	**3.7[B]**	**3.5[B]**	**7.5[B]**	**12[B]**	**2.5[B]**	**1.7[B]**	**0.77[B]**	**0.58[B]**	**0.79[B]**	**0.79[B]**	**7.7[B]**	**23[B]**	**21[B]**	**48[B]**	**3.7[B]**	**2.8[B]**	**8.2[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.4	<0.2	<0.4	***<20***	<0.20	<0.20	<0.40	0.28	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.30	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-2 (Continued)										MW05-3										
Sample Date				29-Aug-19	25-Nov-19	4-Jun-20	29-Jul-20	22-Sep-20	15-Oct-20	8-Dec-20	7-May-21	29-Apr-05	15-Jun-05	9-Dec-08	21-Aug-09	28-Aug-10	26-Jul-11	23-Nov-12	2-Jul-13	8-May-14	25-Nov-15	18-Aug-16	4-Aug-17	18-Apr-18
Sample ID				MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-2 (Continued)								MW05-3												
Sample Date				29-Aug-19	25-Nov-19	4-Jun-20	29-Jul-20	22-Sep-20	15-Oct-20	8-Dec-20	7-May-21	29-Apr-05	15-Jun-05	9-Dec-08	21-Aug-09	28-Aug-10	26-Jul-11	23-Nov-12	2-Jul-13	8-May-14	25-Nov-15	18-Aug-16	4-Aug-17	18-Apr-18
Sample ID				MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-2	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3	MW05-3
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**4.2[B]**	**4.3[B]**	**4.6[B]**	**4.4[B]**	**5.2[B]**	**1.7[B]**	0.73	**3.4[B]**	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.80[B]**	**15[B]**	**0.77[B]**	**0.73[B]**	**0.70[B]**	0.46	0.43	0.33	<0.1	<0.1	<0.1	0.2	0.4	<0.1	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	<0.20
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**2.4[B]**	**3.1[B]**	**1.3[B]**	**1.4[B]**	**1.3[B]**	**0.72[B]**	0.37	**0.61[B]**	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**2.4[B]**	<0.20	<0.20	**2.3[B]**	**11[B]**	**3.1[B]**	<0.20	**5.7[B]**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-3 (Continued)			MW05-4												MW05-4A		
Sample Date				26-Nov-19	5-Aug-20	27-Apr-21	22-Apr-05	20-Jun-05	1-Dec-05	5-Dec-08	26-Jul-11	27-Jun-13	18-Aug-16	19-Apr-18	20-Mar-19	30-Aug-19	20-Nov-19	20-Apr-20	22-Apr-05	20-Jun-05	1-Dec-05
Sample ID				MW05-3	MW05-3	MW05-3	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4A	MW05-4A	MW05-4A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																		
General Chemistry																					
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																					
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-3 (Continued)			MW05-4												MW05-4A		
Sample Date				26-Nov-19	5-Aug-20	27-Apr-21	22-Apr-05	20-Jun-05	1-Dec-05	5-Dec-08	26-Jul-11	27-Jun-13	18-Aug-16	19-Apr-18	20-Mar-19	30-Aug-19	20-Nov-19	20-Apr-20	22-Apr-05	20-Jun-05	1-Dec-05
Sample ID				MW05-3	MW05-3	MW05-3	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4	MW05-4A	MW05-4A	MW05-4A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																		
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																					
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.50	<0.50	<0.50	**4,200[B]**	**2,630[B]**	**3,600[B]**	**6,900[B]**	**3,800[B]**	**1,400[B]**	**220[B]**	**63[B]**	**370[B]**	**310[B]**	0.76	**90[B]**	**80[B]**	**766[B]**	**920[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.20	<0.20	<0.20	**10,000[B]**	**7,140[B]**	**4,000[B]**	**880[B]**	**240[B]**	**1,200[B]**	**6.0[B]**	**6.0[B]**	**2.4[B]**	0.26	<0.20	**0.77[B]**	**1,500[B]**	**20,400[B]**	**38,000[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.20	<0.20	<0.20	**3,000[B]**	**2,600[B]**	**2,700[B]**	**470[B]**	**58[B]**	**360[B]**	**5.6[B]**	**6.6[B]**	**3.3[B]**	**0.62[B]**	<0.20	**1.3[B]**	**60[B]**	**588[B]**	**930[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	**1,000[B]**	***<400***	**250[B]**	**1,100[B]**	**300[B]**	**66[B]**	**190[B]**	**20[B]**	**10[B]**	**170[B]**	**1.0[B]**	**0.94[B]**	***<30***	***<400***	**440[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-4A (Continued)													MW05-5	MW05-6	MW05-8A			
Sample Date				5-Dec-08	20-Aug-09	28-Aug-10	26-Jul-11	19-Oct-11	27-Jun-13	18-Aug-16	19-Apr-18	20-Mar-19	30-Aug-19	20-Nov-19	20-Apr-20		20-Jun-05	20-Jun-05	20-Jun-05	1-Dec-05	20-Aug-09	27-Aug-10
Sample ID				MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A		MW05-5	MW05-6	MW05-8A	MW05-8A	MW05-8A	MW05-8A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
General Chemistry																						
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Petroleum Hydrocarbons																						
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Metals																						
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-4A (Continued)													MW05-5	MW05-6	MW05-8A			
Sample Date				5-Dec-08	20-Aug-09	28-Aug-10	26-Jul-11	19-Oct-11	27-Jun-13	18-Aug-16	19-Apr-18	20-Mar-19	30-Aug-19	20-Nov-19	20-Apr-20	20-Jun-05	20-Jun-05	20-Jun-05	1-Dec-05	20-Aug-09	27-Aug-10
Sample ID				MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-4A	MW05-5	MW05-6	MW05-8A	MW05-8A	MW05-8A	MW05-8A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																		
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																					
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**1,700[B]**	**3,900[B]**	**8,500[B]**	**7,400[B]**	**540[B]**	**370[B]**	**34[B]**	**22[B]**	**17[B]**	**54[B]**	**32[B]**	**37[B]**	**60[B]**	**773[B]**	**98.7[B]**	**30[B]**	1.2	1.0
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**170,000[B]**	**36,000[B]**	**22,000[B]**	**9,200[B]**	**920[B]**	**190[B]**	**22[B]**	**19[B]**	**10[B]**	**6.3[B]**	0.25	0.21	**7.2[B]**	**13.9[B]**	**14.5[B]**	**2.0[B]**	0.5	0.1
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**1,200[B]**	**820[B]**	**2,000[B]**	**1,000[B]**	**360[B]**	**260[B]**	**3.0[B]**	**4.6[B]**	**3.2[B]**	**4.5[B]**	<0.20	<0.20	**32.3[B]**	**65.4[B]**	**79.8[B]**	**17[B]**	**1.1[B]**	**0.7[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**290[B]**	**330[B]**	**1,300[B]**	**480[B]**	**44[B]**	**20[B]**	<0.20	<0.20	<0.20	**1.3[B]**	**1.9[B]**	**6.9[B]**	***<1***	**149[B]**	***<1***	**1.7[B]**	**1.3[B]**	**1.2[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-8A (Continued)												MW05-8B									
Sample Date				26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	28-Jul-20	29-Apr-21	20-Jun-05	1-Dec-05	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16
Sample ID				MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-8A (Continued)												MW05-8B									
Sample Date				26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	28-Jul-20	29-Apr-21	20-Jun-05	1-Dec-05	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16
Sample ID				MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8A	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.3	1.1	1.3	0.58	1.5	0.82	1.4	**1.9[B]**	**1.8[B]**	1.6	**2.1[B]**	**65.2[B]**	1.3	**2.1[B]**	**2.7[B]**	1.6	1.1	**18[B]**	0.42	0.90	1.5
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.1	<0.10	0.13	<0.10	<0.10	<0.10	0.20	<0.20	**12[B]**	**0.94[B]**	<0.20	**4.8[B]**	0.2	0.3	<0.1	<0.1	<0.10	**2.1[B]**	0.47	<0.10	<0.10
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.2	0.28	0.22	0.15	0.22	0.13	<0.20	<0.20	**1.1[B]**	0.28	0.20	**37.9[B]**	**0.9[B]**	0.2	<0.1	<0.1	<0.10	**30[B]**	<0.10	<0.10	<0.10
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	**1.5[B]**	**1.2[B]**	**0.75[B]**	**1.2[B]**	<0.20	**1.4[B]**	**1.7[B]**	**1.9[B]**	**1.9[B]**	**2.1[B]**	0.5	0.4	**1.2[B]**	**1.2[B]**	**0.7[B]**	**0.93[B]**	<0.40	0.38	**0.82[B]**	**1.7[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-8B (Continued)					MW05-8C															
Sample Date				3-Aug-17	11-Apr-18	21-Nov-19	28-Jul-20	29-Apr-21	20-Jun-05	1-Dec-05	16-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	28-Aug-08	5-Dec-08	19-Feb-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10
Sample ID				MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-8B (Continued)					MW05-8C														
Sample Date				3-Aug-17	11-Apr-18	21-Nov-19	28-Jul-20	29-Apr-21	20-Jun-05	1-Dec-05	16-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	28-Aug-08	5-Dec-08	19-Feb-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10
Sample ID				MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8B	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	1.4	0.69	**2.2**[B]	**4.2**[B]	**4.1**[B]	**146**[B]	**130**[B]	**95**[B]	**79**[B]	**110**[B]	**78**[B]	**65**[B]	**39**[B]	**30**[B]	**26**[B]	0.8	**33**[B]	**32**[B]	**31**[B]	**36**[B]	**34**[B]
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.20	<0.20	**2.9**[B]	<0.20	**0.57**[B]	**13.5**[B]	**17**[B]	**17**[B]	**20**[B]	**26**[B]	**21**[B]	**16**[B]	**15**[B]	**10**[B]	**7.5**[B]	<0.1	**6.5**[B]	**8.6**[B]	**6.3**[B]	**7.1**[B]	**6.6**[B]
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.20	<0.20	**0.57**[B]	<0.20	<0.20	**90.3**[B]	**110**[B]	**140**[B]	**74**[B]	**100**[B]	**84**[B]	**58**[B]	**45**[B]	**49**[B]	**39**[B]	0.2	**38**[B]	**47**[B]	**52**[B]	**65**[B]	**45**[B]
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**0.81**[B]	0.23	**1.1**[B]	**1.7**[B]	**1.5**[B]	**6**[B]	**5**[B]	**4**[B]	**1.8**[B]	**3**[B]	**1**[B]	**2.4**[B]	**0.9**[B]	**1.0**[B]	**0.6**[B]	<0.2	**1.2**[B]	0.5	0.5	<0.4	0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-8C (Continued)																MW05-9A				MW05-9B
Sample Date				3-Jun-10	27-Aug-10	30-Nov-10	16-Mar-11	26-Jul-11	21-Nov-12	3-Jul-13	12-Nov-13	7-May-14	23-Nov-15	17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	28-Jul-20	29-Apr-21	20-Jun-05	1-Dec-05	5-Dec-08	20-Aug-09	20-Jun-05
Sample ID				MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-9A	MW05-9A	MW05-9A	MW05-9A	MW05-9B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																				
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-8C (Continued)																MW05-9A				MW05-9B
Sample Date				3-Jun-10	27-Aug-10	30-Nov-10	16-Mar-11	26-Jul-11	21-Nov-12	3-Jul-13	12-Nov-13	7-May-14	23-Nov-15	17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	28-Jul-20	29-Apr-21	20-Jun-05	1-Dec-05	5-Dec-08	20-Aug-09	20-Jun-05
Sample ID				MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-8C	MW05-9A	MW05-9A	MW05-9A	MW05-9A	MW05-9B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**44[B]**	**43[B]**	**43[B]**	**29[B]**	**30[B]**	**25[B]**	**19[B]**	**20[B]**	**17[B]**	**25[B]**	**11[B]**	**21[B]**	**15[B]**	**14[B]**	**30[B]**	**17[B]**	***<3***	**500[B]**	**41[B]**	**390[B]**	<0.1
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**5.2[B]**	**6.2[B]**	**9.3[B]**	**4.5[B]**	**7.3[B]**	**3.0[B]**	**2.0[B]**	**2.8[B]**	**1.7[B]**	**2.5[B]**	**3.4[B]**	**2.3[B]**	**2.0[B]**	**7.5[B]**	**2.1[B]**	**4.9[B]**	**297[B]**	**300[B]**	**3.0[B]**	**1,500[B]**	0.4
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**51[B]**	**59[B]**	**60[B]**	**49[B]**	**37[B]**	**37[B]**	**30[B]**	**29[B]**	**39[B]**	**35[B]**	**40[B]**	**33[B]**	**27[B]**	**11[B]**	**50[B]**	**25[B]**	**24.2[B]**	**190[B]**	**5.4[B]**	**70[B]**	<0.1
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**1.1[B]**	**1.5[B]**	<0.5	**0.9[B]**	0.2	**0.88[B]**	0.30	0.32	<0.40	0.38	**1.1[B]**	0.32	<0.20	**0.58[B]**	**0.74[B]**	<0.20	***<5***	***<5***	**27[B]**	**49[B]**	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-9B (Continued)			MW05-9C				MW05-10A													
Sample Date				1-Dec-05	5-Dec-08	20-Aug-09	20-Jun-05	1-Dec-05	5-Dec-08	20-Aug-09	20-Jun-05	1-Dec-05	5-Dec-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	2-Jul-13	7-May-14	25-Nov-15	18-Aug-16	4-Aug-17	10-Apr-18	26-Nov-19
Sample ID				MW05-9B	MW05-9B	MW05-9B	MW05-9C	MW05-9C	MW05-9C	MW05-9C	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-9B (Continued)			MW05-9C				MW05-10A												
Sample Date				1-Dec-05	5-Dec-08	20-Aug-09	20-Jun-05	1-Dec-05	5-Dec-08	20-Aug-09	20-Jun-05	1-Dec-05	5-Dec-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	2-Jul-13	7-May-14	25-Nov-15	18-Aug-16	4-Aug-17	10-Apr-18	26-Nov-19
Sample ID				MW05-9B	MW05-9B	MW05-9B	MW05-9C	MW05-9C	MW05-9C	MW05-9C	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A	MW05-10A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**54[B]**	**410[B]**	**270[B]**	0.4	1.4	**2.4[B]**	1.3	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.10	<0.10	0.12	<0.10	<0.10	<0.10	<0.50	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**20[B]**	**32[B]**	**2.4[B]**	<0.1	0.4	**1.4[B]**	0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.10	<0.10	0.25	0.34	<0.10	0.24	<0.20	**20[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**37[B]**	**52[B]**	**3.1[B]**	<0.1	**0.6[B]**	**0.7[B]**	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.20	0.26
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.4	**100[B]**	**430[B]**	<0.2	<0.4	0.3	**1.0[B]**	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-10A (Continued)		MW05-10B																MW05-10C		
Sample Date				5-Aug-20	29-Apr-21	20-Jun-05	1-Dec-05	5-Dec-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	2-Jul-13	7-May-14	25-Nov-15	18-Aug-16	4-Aug-17	10-Apr-18	26-Nov-19	5-Aug-20	29-Apr-21	20-Jun-05	2-Dec-05	16-Mar-06
Sample ID				MW05-10A	MW05-10A	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10C	MW05-10C	MW05-10C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-10A (Continued)		MW05-10B																MW05-10C		
Sample Date				5-Aug-20	29-Apr-21	20-Jun-05	1-Dec-05	5-Dec-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	2-Jul-13	7-May-14	25-Nov-15	18-Aug-16	4-Aug-17	10-Apr-18	26-Nov-19	5-Aug-20	29-Apr-21	20-Jun-05	2-Dec-05	16-Mar-06
Sample ID				MW05-10A	MW05-10A	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10B	MW05-10C	MW05-10C	MW05-10C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.50	0.55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	0.16	<0.10	0.22	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.20	**1.6[B]**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	**10[B]**	<0.10	0.29	<0.20	**3.9[B]**	<0.20	0.24	<0.1	<0.1	<0.1
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.20	<0.20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	**1.1[B]**	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.1	<0.1	<0.1
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	0.40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-10C (Continued)																			
Sample Date				19-Jun-06	5-Oct-06	9-Jan-07	23-May-07	14-Aug-07	4-Mar-08	28-Aug-08	5-Dec-08	19-May-09	21-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	28-Aug-10	19-Jun-12	2-Jul-13	12-Nov-13	7-May-14	25-Sep-14	15-Jul-15	25-Nov-15
Sample ID				MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-10C (Continued)																			
Sample Date				19-Jun-06	5-Oct-06	9-Jan-07	23-May-07	14-Aug-07	4-Mar-08	28-Aug-08	5-Dec-08	19-May-09	21-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	28-Aug-10	19-Jun-12	2-Jul-13	12-Nov-13	7-May-14	25-Sep-14	15-Jul-15	25-Nov-15
Sample ID				MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.14	**3.3[B]**	<0.10	<0.10	<0.50	<0.50	<0.10
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.1	0.1	**1.4[B]**	0.1	0.1	<0.10	**0.93[B]**	<0.10	0.12	<0.20	<0.20	<0.10
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.5	0.1	<0.1	<0.1	<0.1	<0.1	<0.10	**0.69[B]**	<0.10	<0.10	<0.20	<0.20	<0.10
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	**0.76[B]**	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-10C (Continued)												MW05-11	MW05-12A	MW05-12B	MW05-13	MW05-14A					
Sample Date				21-Apr-16	18-Aug-16	4-Aug-17	25-Oct-17	10-Apr-18	18-Sep-18	16-Apr-19	26-Nov-19	5-Aug-20	19-Oct-20	29-Apr-21		20-Jun-05	20-Jun-05	20-Jun-05	20-Jun-05	20-Jun-05	27-Jun-05	2-Dec-05	5-Dec-08	20-Aug-09	30-Aug-10
Sample ID				MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C		MW05-11	MW05-12A	MW05-12B	MW05-13	MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																						
General Chemistry																									
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																									
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Metals																									
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-10C (Continued)												MW05-11	MW05-12A	MW05-12B	MW05-13	MW05-14A					
Sample Date				21-Apr-16	18-Aug-16	4-Aug-17	25-Oct-17	10-Apr-18	18-Sep-18	16-Apr-19	26-Nov-19	5-Aug-20	19-Oct-20	29-Apr-21		20-Jun-05	20-Jun-05	20-Jun-05	20-Jun-05	20-Jun-05	27-Jun-05	2-Dec-05	5-Dec-08	20-Aug-09	30-Aug-10
Sample ID				MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C	MW05-10C		MW05-11	MW05-12A	MW05-12B	MW05-13	MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																									
Sample Type	Units	Site Specific	Ontario SCS																						
Polycyclic Aromatic Hydrocarbons																									
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																									
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**2.3[B]**	<0.10	<0.10	0.90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50		**11.1[B]**	**15[B]**	**6.2[B]**	**17.2[B]**	**4.5[B]**	**4.5[B]**	**54[B]**	**30[B]**	**53[B]**	**37[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**7.9[B]**	0.17	<0.10	0.44	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		**138[B]**	**45.8[B]**	**15[B]**	**31.5[B]**	**7.7[B]**	**7.7[B]**	**11[B]**	**50[B]**	**0.6[B]**	**1.8[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4.0[B]**	<0.10	<0.10	0.46	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		**22.7[B]**	**12.5[B]**	**4.9[B]**	**32.6[B]**	**22.3[B]**	**22[B]**	**130[B]**	**57[B]**	**46[B]**	**40[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20		***<1***	<0.4	<0.2	0.3	***<0.8***	***<0.8***	***<1***	**1.4[B]**	**2.1[B]**	0.5
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-14A (Continued)						MW05-14B														
Sample Date				27-Jul-11	21-Nov-12	3-Jul-13	7-May-14	24-Nov-15	16-Aug-16	20-Jun-05	27-Jun-05	2-Dec-05	5-Dec-08	20-Aug-09	31-Aug-10	27-Jul-11	21-Nov-12	3-Jul-13	7-May-14	16-Aug-16	25-Apr-17	26-Oct-17	13-Apr-18	6-Jun-18
Sample ID				MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-14A (Continued)						MW05-14B													
Sample Date				27-Jul-11	21-Nov-12	3-Jul-13	7-May-14	24-Nov-15	16-Aug-16	20-Jun-05	27-Jun-05	2-Dec-05	5-Dec-08	20-Aug-09	31-Aug-10	27-Jul-11	21-Nov-12	3-Jul-13	7-May-14	16-Aug-16	25-Apr-17	26-Oct-17	13-Apr-18	6-Jun-18
Sample ID				MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14A	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B	MW05-14B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**78[B]**	**78[B]**	**76[B]**	**91[B]**	**180[B]**	**40[B]**	**14.8[B]**	**15[B]**	**35[B]**	**2.2[B]**	**8.1[B]**	<0.1	<0.1	<0.20	0.92	<0.10	**3.8[B]**	<0.50	<0.50	<0.50	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**2.0[B]**	**1.7[B]**	**1.1[B]**	**0.87[B]**	**1.3[B]**	0.14	**6.2[B]**	**6.2[B]**	**18[B]**	**1.7[B]**	**2.6[B]**	<0.1	<0.1	<0.20	**2.6[B]**	<0.10	**1.9[B]**	<0.20	<0.20	<0.20	<0.20
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**26[B]**	**18[B]**	**12[B]**	**14[B]**	**28[B]**	**9.6[B]**	**47.2[B]**	**47[B]**	**66[B]**	**6.2[B]**	**11[B]**	<0.1	<0.1	<0.20	**1.9[B]**	<0.10	**3.1[B]**	<0.20	**1.0[B]**	<0.20	<0.20
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**3[B]**	**1.5[B]**	**1.5[B]**	**1.1[B]**	**3.0[B]**	**0.94[B]**	***<0.8***	***<0.8***	<0.4	<0.2	<0.2	<0.2	<0.2	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-14B (Continued)		MW05-14C																	
Sample Date				5-Aug-20	27-Apr-21	20-Jun-05	27-Jun-05	2-Dec-05	17-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	27-Aug-08	5-Dec-08	19-Feb-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	30-Aug-10
Sample ID				MW05-14B	MW05-14B	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-14B (Continued)		MW05-14C																	
Sample Date				5-Aug-20	27-Apr-21	20-Jun-05	27-Jun-05	2-Dec-05	17-Mar-06	19-Jun-06	5-Oct-06	9-Jan-07	4-May-07	14-Aug-07	4-Mar-08	27-Aug-08	5-Dec-08	19-Feb-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	30-Aug-10
Sample ID				MW05-14B	MW05-14B	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.50	<0.50	**1.7[B]**	**1.7[B]**	**2.3[B]**	**2.8[B]**	**2.4[B]**	**2.3[B]**	0.8	0.3	0.2	0.2	0.1	<0.1	0.1	0.1	<0.1	<0.1	0.2	<0.1	1.6
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.20	<0.20	**3.2[B]**	**3.2[B]**	**8.9[B]**	**4.4[B]**	**7.9[B]**	**7.1[B]**	**3.6[B]**	**2.3[B]**	**2.2[B]**	**4.1[B]**	**2.8[B]**	**1.4[B]**	**2.4[B]**	**5.3[B]**	0.5	0.3	**10[B]**	**1.1[B]**	**2.8[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.20	<0.20	**4.8[B]**	**4.8[B]**	**3.6[B]**	**1.3[B]**	**2.6[B]**	**2.7[B]**	**1.3[B]**	**0.7[B]**	0.5	**0.7[B]**	**0.6[B]**	0.2	0.4	**0.6[B]**	<0.1	<0.1	**0.6[B]**	0.2	**1.1[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	***<0.8***	***<0.8***	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-14C (Continued)																				MW08-15A
Sample Date				1-Dec-10	17-Mar-11	27-Jul-11	20-Jun-12	21-Nov-12	4-Jul-13	11-Nov-13	7-May-14	24-Sep-14	15-Jul-15	24-Nov-15	20-Apr-16	16-Aug-16	8-Aug-17	26-Oct-17	13-Apr-18	19-Sep-18	16-Apr-19	5-Aug-20	16-Oct-20	23-Oct-08
Sample ID				MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW08-15A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW05-14C (Continued)																				MW08-15A
Sample Date				1-Dec-10	17-Mar-11	27-Jul-11	20-Jun-12	21-Nov-12	4-Jul-13	11-Nov-13	7-May-14	24-Sep-14	15-Jul-15	24-Nov-15	20-Apr-16	16-Aug-16	8-Aug-17	26-Oct-17	13-Apr-18	19-Sep-18	16-Apr-19	5-Aug-20	16-Oct-20	23-Oct-08
Sample ID				MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW05-14C	MW08-15A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.5	0.1	0.2	0.67	<0.10	1.0	<0.10	1.2	<0.50	<0.50	<0.10	**1.9**[B]	<0.10	0.26	0.54	<0.50	<0.50	1.6	**41**[B]	<0.50	**7**[B]
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**1.7**[B]	0.4	**1.7**[B]	**23**[B]	0.47	**4.6**[B]	<0.10	0.33	<0.20	<0.20	<0.10	**1.9**[B]	<0.10	**1.2**[B]	**0.89**[B]	0.33	**1.7**[B]	**0.78**[B]	**0.72**[B]	<0.20	***<1***
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**0.7**[B]	<0.1	0.3	**2.6**[B]	<0.10	**2.2**[B]	<0.10	0.49	<0.20	<0.20	<0.10	**1.8**[B]	<0.10	**0.65**[B]	**1.0**[B]	<0.20	**0.60**[B]	0.45	**0.78**[B]	<0.20	**1**[B]
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	<0.2	<0.2	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**0.64**[B]	**4.3**[B]	<0.20	***<2***
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-15A (Continued)													MW08-15B							
Sample Date				20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	28-Jul-20	28-Apr-21	17-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15
Sample ID				MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-15A (Continued)													MW08-15B							
Sample Date				20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	28-Jul-20	28-Apr-21	17-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15
Sample ID				MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15A	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	1.0	1.1	**3.2[B]**	1.2	***<5.0***	0.54	0.44	**2.8[B]**	**2.2[B]**	**1.9[B]**	**9.7[B]**	**3.2[B]**	**100[B]**	**150[B]**	**70[B]**	**79[B]**	**64[B]**	**73[B]**	**66[B]**	**84[B]**	**76[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.2	<0.1	0.1	***<1.0***	***<5.0***	<0.50	<0.10	<0.10	<0.20	<0.20	**33[B]**	0.35	0.37	**21[B]**	**8.8[B]**	**15[B]**	**11[B]**	**11[B]**	**7.4[B]**	**8.8[B]**	**7.0[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.3	0.5	**1.7[B]**	***<1.0***	***<5.0***	<0.50	<0.10	<0.10	<0.20	<0.20	**3.2[B]**	<0.20	<0.20	**89[B]**	**42[B]**	**65[B]**	**44[B]**	**49[B]**	**43[B]**	**45[B]**	**43[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	<0.2	0.5	***<2.0***	***<10***	***<1.0***	<0.20	<0.20	0.37	0.28	**7.9[B]**	**3.2[B]**	**160[B]**	**14[B]**	**2.5[B]**	**7.1[B]**	**1.1[B]**	**3.6[B]**	**2.1[B]**	**3.4[B]**	**4.4[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-15B (Continued)							MW08-15C												
Sample Date				17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	3-Jun-20	28-Jul-20	28-Apr-21	23-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	3-Jun-20	28-Jul-20	28-Apr-21
Sample ID				MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-15B (Continued)							MW08-15C												
Sample Date				17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	3-Jun-20	28-Jul-20	28-Apr-21	23-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	11-Apr-18	21-Nov-19	3-Jun-20	28-Jul-20	28-Apr-21
Sample ID				MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15B	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C	MW08-15C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**51[B]**	**190[B]**	**270[B]**	**15[B]**	**310[B]**	**450[B]**	**360[B]**	<1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**4.1[B]**	**3.9[B]**	**4.1[B]**	**20[B]**	**1.5[B]**	**0.85[B]**	**0.99[B]**	***<1***	<0.1	<0.1	<0.1	<0.10	0.11	<0.10	<0.10	<0.20	<0.20	**23[B]**	0.34	0.22	0.20
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**25[B]**	**32[B]**	**37[B]**	**9.4[B]**	**15[B]**	**7.9[B]**	**11[B]**	***<1***	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	**2.1[B]**	<0.20	<0.20	<0.20
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	***<2.0***	**30[B]**	**63[B]**	**4.3[B]**	**1,000[B]**	**910[B]**	**280[B]**	***<2***	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-20A													MW08-20B							
Sample Date				23-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	12-Apr-18	21-Nov-19	28-Apr-21	23-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15
Sample ID				MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-20A													MW08-20B							
Sample Date				23-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	12-Apr-18	21-Nov-19	28-Apr-21	23-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15
Sample ID				MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20A	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.2	0.1	<0.1	<0.1	<0.25	<0.50	<0.10	<0.10	<0.10	<0.50	<0.50	1.3	<0.50	**7.0[B]**	0.3	**11[B]**	**1.8[B]**	**17[B]**	**8.5[B]**	**10[B]**	**5.6[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.1	**1.7[B]**	<0.1	<0.1	**0.81[B]**	<0.50	0.13	<0.10	0.10	<0.20	0.24	**71[B]**	**24[B]**	**0.7[B]**	**1.0[B]**	**1.2[B]**	<0.1	**1.3[B]**	**0.84[B]**	**0.92[B]**	<0.10
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.2	0.2	<0.1	<0.1	0.36	<0.50	<0.10	<0.10	<0.10	<0.20	<0.20	**2.4[B]**	**2.2[B]**	**5.7[B]**	0.4	**15[B]**	0.5	**16[B]**	**7.6[B]**	**13[B]**	**1.1[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	<0.2	<0.2	<0.2	<0.50	***<1.0***	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**0.7[B]**	**0.7[B]**	**0.7[B]**	0.5	**1.4[B]**	**0.77[B]**	**0.64[B]**	**0.84[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-20B (Continued)							MW08-20C													
Sample Date				17-Aug-16	3-Aug-17	12-Apr-18	21-Nov-19	3-Jun-20	28-Jul-20	28-Apr-21	23-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	12-Apr-18	21-Nov-19	3-Jun-20	28-Jul-20
Sample ID				MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-20B (Continued)							MW08-20C												
Sample Date				17-Aug-16	3-Aug-17	12-Apr-18	21-Nov-19	3-Jun-20	28-Jul-20	28-Apr-21	23-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	3-Jul-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	12-Apr-18	21-Nov-19	3-Jun-20	28-Jul-20
Sample ID				MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20B	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C	MW08-20C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**3.0[B]**	0.98	0.86	**17[B]**	**9.4[B]**	**20[B]**	**55[B]**	<1	0.3	0.3	**2.0[B]**	0.66	0.27	0.25	0.54	0.32	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.19	<0.20	<0.20	**15[B]**	**1.9[B]**	0.43	**3.1[B]**	***<1***	0.4	<0.1	<0.1	0.45	<0.10	0.22	<0.10	<0.10	<0.20	<0.20	**3.5[B]**	<0.20	<0.20
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**1.8[B]**	0.44	0.25	**12[B]**	**4.2[B]**	**7.0[B]**	**12[B]**	***<1***	0.3	0.1	0.4	**0.53[B]**	0.14	0.23	0.30	0.18	0.23	<0.20	0.29	0.21	0.21
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**0.94[B]**	**0.63[B]**	**0.61[B]**	**4.1[B]**	**7.6[B]**	**19[B]**	**35[B]**	***<2***	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-20C(Cont.)	MW08-21A																			
Sample Date				28-Apr-21	23-Oct-08	21-Aug-09	27-Aug-10	26-Jul-11	19-Jun-12	21-Nov-12	3-Jul-13	11-Nov-13	7-May-14	24-Sep-14	14-Jul-15	24-Nov-15	20-Apr-16	16-Aug-16	2-Aug-17	25-Oct-17	13-Apr-18	18-Sep-18	17-Apr-19	20-Nov-19
Sample ID				MW08-20C	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420$_{c7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150$_{c15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500$_{c8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500$_{c10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-20C(Cont.)	MW08-21A																		
Sample Date				28-Apr-21	23-Oct-08	21-Aug-09	27-Aug-10	26-Jul-11	19-Jun-12	21-Nov-12	3-Jul-13	11-Nov-13	7-May-14	24-Sep-14	14-Jul-15	24-Nov-15	20-Apr-16	16-Aug-16	2-Aug-17	25-Oct-17	13-Apr-18	18-Sep-18	17-Apr-19	20-Nov-19
Sample ID				MW08-20C	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A	MW08-21A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.50	<0.1	0.4	0.4	0.1	0.25	0.46	<0.25	<0.25	0.11	<0.50	<0.50	<0.10	**11[B]**	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	**200[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**1.0[B]**	<0.1	**2.5[B]**	<0.1	<0.1	**0.89[B]**	**0.54[B]**	0.26	<0.25	**1.5[B]**	<0.20	0.20	<0.10	**6.7[B]**	<0.10	<0.20	**1.2[B]**	**3.4[B]**	0.33	0.29	**43[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.29	<0.1	0.4	<0.1	<0.1	**0.62[B]**	<0.20	<0.25	<0.25	<0.10	<0.20	<0.20	<0.10	**4.0[B]**	<0.10	<0.20	0.36	0.33	<0.20	<0.20	**45[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	**0.8[B]**	0.4	0.3	<0.2	<0.20	<0.40	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**12[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-21A (Continued)			MW08-21B															
Sample Date				10-Aug-20	15-Oct-20	27-Apr-21	23-Oct-08	21-Aug-09	27-Aug-10	26-Jul-11	19-Jun-12	21-Nov-12	3-Jul-13	11-Nov-13	7-May-14	24-Sep-14	14-Jul-15	24-Nov-15	20-Apr-16	16-Aug-16	1-Aug-17	25-Oct-17	13-Apr-18
Sample ID				MW08-21A	MW08-21A	MW08-21A	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-21A (Continued)			MW08-21B															
Sample Date				10-Aug-20	15-Oct-20	27-Apr-21	23-Oct-08	21-Aug-09	27-Aug-10	26-Jul-11	19-Jun-12	21-Nov-12	3-Jul-13	11-Nov-13	7-May-14	24-Sep-14	14-Jul-15	24-Nov-15	20-Apr-16	16-Aug-16	1-Aug-17	25-Oct-17	13-Apr-18
Sample ID				MW08-21A	MW08-21A	MW08-21A	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
Polycyclic Aromatic Hydrocarbons																						
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.50	<0.50	<0.50	<0.1	**64[B]**	**62[B]**	**86[B]**	**69[B]**	**110[B]**	**160[B]**	**170[B]**	**160[B]**	**150[B]**	**150[B]**	**220[B]**	**150[B]**	**86[B]**	**130[B]**	**150[B]**	**170[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.24	**1.3[B]**	0.23	<0.1	0.3	<0.1	<0.1	<0.50	<0.50	***<1.0***	***<1.0***	***<1.0***	<0.20	<0.20	0.41	**0.60[B]**	0.33	0.28	**0.69[B]**	0.39
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.20	<0.20	<0.20	<0.1	**11[B]**	**12[B]**	**21[B]**	**7.8[B]**	**28[B]**	**16[B]**	**30[B]**	**42[B]**	**34[B]**	**38[B]**	**46[B]**	**30[B]**	**16[B]**	**35[B]**	**64[B]**	**44[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	**2.7[B]**	**2.6[B]**	**5.2[B]**	**2.2[B]**	**2.6[B]**	**4.5[B]**	**6.9[B]**	**6.4[B]**	**6.3[B]**	**6.5[B]**	**8.5[B]**	**8.3[B]**	**7.8[B]**	**9.3[B]**	**8.6[B]**	**10[B]**	**10[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-21B (Continued)						MW08-21C															
Sample Date				18-Sep-18	17-Apr-19	20-Nov-19	10-Aug-20	15-Oct-20	27-Apr-21	23-Oct-08	21-Aug-09	27-Aug-10	4-Jul-13	11-Nov-13	7-May-14	26-Sep-14	14-Jul-15	24-Nov-15	20-Apr-16	16-Aug-16	1-Aug-17	25-Oct-17	13-Apr-18	18-Sep-18	17-Apr-19
Sample ID				MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																						
General Chemistry																									
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																									
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	$420_{\leq 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	$150_{\leq 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	$500_{\leq 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	$500_{\leq 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																									
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-21B (Continued)						MW08-21C														
Sample Date				18-Sep-18	17-Apr-19	20-Nov-19	10-Aug-20	15-Oct-20	27-Apr-21	23-Oct-08	21-Aug-09	27-Aug-10	4-Jul-13	11-Nov-13	7-May-14	26-Sep-14	14-Jul-15	24-Nov-15	20-Apr-16	16-Aug-16	1-Aug-17	25-Oct-17	13-Apr-18	18-Sep-18	17-Apr-19
Sample ID				MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21B	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-21C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**160[B]**	**160[B]**	**1.9[B]**	**200[B]**	**150[B]**	**200[B]**	**39[B]**	**15[B]**	1.4	**26[B]**	**43[B]**	**31[B]**	**19[B]**	**14[B]**	0.71	**53[B]**	**44[B]**	**51[B]**	**130[B]**	**110[B]**	**10[B]**	**130[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.21**	**0.59[B]**	**110[B]**	**0.59[B]**	**0.78[B]**	0.35	**1.7[B]**	**0.7[B]**	<0.1	**0.86[B]**	**0.52[B]**	**0.80[B]**	**36[B]**	0.34	<0.10	**1.4[B]**	0.43	**1.0[B]**	0.38	**0.92[B]**	<0.20	**1.8[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**42[B]**	**35[B]**	**18[B]**	**65[B]**	**48[B]**	**56[B]**	**14[B]**	**4.4[B]**	0.3	**5.9[B]**	**4.0[B]**	**6.3[B]**	**62[B]**	**1.9[B]**	0.30	**8.7[B]**	**3.3[B]**	**11[B]**	**3.4[B]**	**7.8[B]**	<0.20	**11[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**9.3[B]**	**7.7[B]**	<0.20	**24[B]**	**12[B]**	**17[B]**	**3.7[B]**	**1.1[B]**	<0.2	<0.20	**4.6[B]**	**3.6[B]**	**0.88[B]**	**2.0[B]**	<0.20	**4.4[B]**	**4.5[B]**	**5.6[B]**	**16[B]**	**20[B]**	**3.7[B]**	**31[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-21C (Continued)				MW08-22A														MW08-22B		
Sample Date				20-Nov-19	10-Aug-20	15-Oct-20	27-Apr-21	24-Oct-08	21-Aug-09	28-Aug-10	26-Jul-11	28-Jun-13	7-May-14	24-Nov-15	16-Aug-16	4-Aug-17	10-Apr-18	18-Nov-19	4-Aug-20	19-Oct-20	29-Apr-21	24-Oct-08	19-Feb-09	21-Aug-09
Sample ID				MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22B	MW08-22B	MW08-22B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-21C (Continued)				MW08-22A													MW08-22B		
Sample Date				20-Nov-19	10-Aug-20	15-Oct-20	27-Apr-21	24-Oct-08	21-Aug-09	28-Aug-10	26-Jul-11	28-Jun-13	7-May-14	24-Nov-15	16-Aug-16	4-Aug-17	10-Apr-18	18-Nov-19	4-Aug-20	19-Oct-20	29-Apr-21	24-Oct-08	19-Feb-09	21-Aug-09
Sample ID				MW08-21C	MW08-21C	MW08-21C	MW08-21C	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22A	MW08-22B	MW08-22B	MW08-22B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**220[B]**	**200[B]**	**280[B]**	**270[B]**	**1,100[B]**	**180[B]**	**1,200[B]**	**5.1[B]**	**83[B]**	**35[B]**	**450[B]**	**170[B]**	**130[B]**	**18[B]**	**170[B]**	**320[B]**	**820[B]**	**19[B]**	**1,400[B]**	**1,500[B]**	**1,500[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.76[B]**	**0.67[B]**	**1.1[B]**	**2.3[B]**	**44[B]**	**55[B]**	**71[B]**	**21[B]**	**8.4[B]**	**82[B]**	***<10***	**4.3[B]**	**13[B]**	**14[B]**	**8.2[B]**	**23[B]**	0.23	**24[B]**	**110,000[B]**	**29,000[B]**	**6,300[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**5.0[B]**	**4.4[B]**	**8.5[B]**	**10[B]**	**72[B]**	**47[B]**	**42[B]**	**12[B]**	**5.6[B]**	**18[B]**	***<10***	**2.6[B]**	**7.7[B]**	**7.8[B]**	**5.9[B]**	**8.5[B]**	**0.63[B]**	**9.9[B]**	**11,000[B]**	**1,500[B]**	**670[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**18[B]**	**20[B]**	**23[B]**	**26[B]**	**1,400[B]**	**91[B]**	**1,200[B]**	<0.2	**22[B]**	**9.3[B]**	**290[B]**	**800[B]**	**140[B]**	**2.5[B]**	**210[B]**	**140[B]**	**690[B]**	**3.5[B]**	***<2,000***	**1,700[B]**	**960[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-22B (Continued)												MW08-22C									
Sample Date				28-Aug-10	26-Jul-11	28-Jun-13	7-May-14	24-Nov-15	16-Aug-16	4-Aug-17	10-Apr-18	18-Nov-19	4-Aug-20	29-Apr-21	24-Oct-08	15-May-09	21-Aug-09	19-Feb-10	3-Jun-10	28-Aug-10	30-Nov-10	19-Jun-12	2-Jul-13	13-Nov-13
Sample ID				MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-22B (Continued)												MW08-22C									
Sample Date				28-Aug-10	26-Jul-11	28-Jun-13	7-May-14	24-Nov-15	16-Aug-16	4-Aug-17	10-Apr-18	18-Nov-19	4-Aug-20	29-Apr-21	24-Oct-08	15-May-09	21-Aug-09	19-Feb-10	3-Jun-10	28-Aug-10	30-Nov-10	19-Jun-12	2-Jul-13	13-Nov-13
Sample ID				MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22B	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																						
Polycyclic Aromatic Hydrocarbons																									
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																									
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**1,500[B]**	**1.9[B]**	**2,100[B]**	**3,400[B]**	**15,000[B]**	**3,800[B]**	**2,400[B]**	**1,500[B]**	**1,600[B]**	**5,800[B]**	**2,400[B]**	**3,900[B]**	**7,300[B]**	**7,100[B]**	**6,100[B]**	**6,100[B]**	**2,400[B]**	**980[B]**	**210[B]**	**3,100[B]**	**3,500[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**190[B]**	0.1	**120[B]**	**870[B]**	***<10***	**36[B]**	**54[B]**	**5.3[B]**	**6.1[B]**	**9.5[B]**	**26[B]**	***<30***	***<10***	***<20***	***<20***	***<20***	***<20***	**250[B]**	***<2.0***	**840[B]**	**740[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**200[B]**	0.4	**170[B]**	**980[B]**	**40[B]**	**48[B]**	**110[B]**	**42[B]**	**31[B]**	**55[B]**	**62[B]**	***<30***	**21[B]**	***<20***	***<20***	***<20***	**52[B]**	**220[B]**	**7.1[B]**	**1,200[B]**	**1,700[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**1,700[B]**	<0.2	**1,500[B]**	**1,500[B]**	**5,100[B]**	**5,200[B]**	**1,700[B]**	**1,400[B]**	**1,500[B]**	**1,200[B]**	**940[B]**	**5,500[B]**	**3,900[B]**	**2,800[B]**	**1,600[B]**	**4,600[B]**	**720[B]**	**960[B]**	**44[B]**	**720[B]**	**900[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-22C (Continued)														MW08-23A						
Sample Date				7-May-14	25-Sep-14	15-Jul-15	24-Nov-15	21-Apr-16	16-Aug-16	4-Aug-17	25-Oct-17	10-Apr-18	18-Sep-18	16-Apr-19	18-Nov-19	4-Aug-20	29-Apr-21	24-Oct-08	20-Aug-09	27-Aug-10	27-Jul-11	21-Nov-12	26-Jun-13	6-May-14
Sample ID				MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-22C (Continued)														MW08-23A						
Sample Date				7-May-14	25-Sep-14	15-Jul-15	24-Nov-15	21-Apr-16	16-Aug-16	4-Aug-17	25-Oct-17	10-Apr-18	18-Sep-18	16-Apr-19	18-Nov-19	4-Aug-20	29-Apr-21	24-Oct-08	20-Aug-09	27-Aug-10	27-Jul-11	21-Nov-12	26-Jun-13	6-May-14
Sample ID				MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-22C	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN	HISTWG	UNKNOWN
Laboratory Work Order				HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG		HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**590[B]**	**3,400[B]**	**9,800[B]**	**22,000[B]**	**4,300[B]**	**6,100[B]**	**2,200[B]**	**5,400[B]**	**2,300[B]**	**2,700[B]**	**500[B]**	**3,100[B]**	**4,100[B]**	**1,100[B]**	**4.5[B]**	1.0	0.8	<1	0.57	1.4	0.33
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**39[B]**	**1,100[B]**	**870[B]**	***<10***	**12[B]**	**100[B]**	***<20***	**0.52[B]**	0.38	**2.2[B]**	<0.20	<0.20	**2.2[B]**	<0.20	0.4	0.1	0.1	***<1***	<0.50	**2.8[B]**	**2.3[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**180[B]**	**2,800[B]**	**2,400[B]**	***<10***	**74[B]**	**600[B]**	***<20***	**8.9[B]**	**11[B]**	**29[B]**	**1.2[B]**	**1.5[B]**	**140[B]**	**1.1[B]**	0.5	0.2	0.2	***<1***	<0.50	**3.3[B]**	0.17
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**190[B]**	**830[B]**	**2,300[B]**	**5,100[B]**	**3,400[B]**	**1,800[B]**	**1,100[B]**	**2,300[B]**	**2,500[B]**	**1,400[B]**	**880[B]**	**2,300[B]**	**1,400[B]**	**560[B]**	0.2	<0.2	<0.2	***<2***	***<1.0***	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-23A (Continued)							MW08-23B													
Sample Date				23-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	25-Nov-19	29-Jul-20	4-May-21	24-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	25-Nov-19	29-Jul-20	4-May-21
Sample ID				MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-23A (Continued)							MW08-23B												
Sample Date				23-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	25-Nov-19	29-Jul-20	4-May-21	24-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	25-Nov-19	29-Jul-20	4-May-21
Sample ID				MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23A	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B	MW08-23B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.10	0.36	<0.50	<0.50	<0.50	<0.50	<0.50	**19[B]**	**31[B]**	**100[B]**	**27[B]**	**31[B]**	**32[B]**	**23[B]**	**24[B]**	**5.0[B]**	**75[B]**	**39[B]**	**14[B]**	**7.0[B]**	**4.4[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.10	0.13	<0.20	<0.20	**25[B]**	0.34	**3.2[B]**	**0.6[B]**	**2.3[B]**	**7.8[B]**	**2.2[B]**	**5.4[B]**	**3.4[B]**	**2.5[B]**	**2.7[B]**	**0.95[B]**	**4.2[B]**	**1.8[B]**	**21[B]**	0.40	0.42
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.10	<0.10	<0.20	<0.20	**0.63[B]**	<0.20	0.25	**2.2[B]**	**3.7[B]**	**20[B]**	**4.3[B]**	**9.7[B]**	**6.7[B]**	**4.3[B]**	**4.3[B]**	**1.0[B]**	**12[B]**	**5.5[B]**	**3.7[B]**	**1.4[B]**	**1.4[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	0.5	**1.3[B]**	<0.40	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	**1.1[B]**	**5.0[B]**	**2.2[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-23C																MW08-24A				
Sample Date				24-Oct-08	25-Mar-09	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	1-Mar-18	13-Apr-18	25-Nov-19	29-Jul-20	4-May-21	17-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	23-Nov-12
Sample ID				MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-23C																MW08-24A				
Sample Date				24-Oct-08	25-Mar-09	20-Aug-09	27-Aug-10	26-Jul-11	21-Nov-12	26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	1-Mar-18	13-Apr-18	25-Nov-19	29-Jul-20	4-May-21	17-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	23-Nov-12
Sample ID				MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-23C	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**18[B]**	**21[B]**	**29[B]**	**110[B]**	**35[B]**	**30[B]**	**33[B]**	**23[B]**	**22[B]**	**9.7[B]**	**85[B]**	**33[B]**	**37[B]**	**4.7[B]**	**7.2[B]**	**13[B]**	0.1	<0.1	0.2	0.1	<0.10
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.9[B]**	**8.2[B]**	**4.3[B]**	**12[B]**	**6.4[B]**	**4.7[B]**	**3.6[B]**	**3.0[B]**	**3.7[B]**	**2.4[B]**	**4.5[B]**	**4.2[B]**	**1.8[B]**	**10[B]**	**0.64[B]**	**1.0[B]**	<0.1	0.1	<0.1	<0.1	0.12
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**2.7[B]**	**5.6[B]**	**6.4[B]**	**26[B]**	**7.1[B]**	**8.2[B]**	**6.7[B]**	**4.9[B]**	**4.9[B]**	**2.3[B]**	**12[B]**	**6.2[B]**	**6.0[B]**	**2.8[B]**	**1.9[B]**	**2.8[B]**	<0.1	<0.1	<0.1	<0.1	<0.10
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	<0.2	<0.2	0.4	<0.2	<0.40	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**0.51[B]**	**5.0[B]**	**18[B]**	<0.2	<0.2	<0.2	<0.2	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-24A (Continued)											MW08-24B									
Sample Date				2-Jul-13	12-Nov-13	6-May-14	25-Nov-15	15-Aug-16	2-Aug-17	12-Apr-18	21-Nov-19	6-Aug-20	27-Apr-21	17-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	23-Nov-12	2-Jul-13	6-May-14	25-Nov-15	15-Aug-16	2-Aug-17	12-Apr-18
Sample ID				MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-24A (Continued)											MW08-24B									
Sample Date				2-Jul-13	12-Nov-13	6-May-14	25-Nov-15	15-Aug-16	2-Aug-17	12-Apr-18	21-Nov-19	6-Aug-20	27-Apr-21	17-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	23-Nov-12	2-Jul-13	6-May-14	25-Nov-15	15-Aug-16	2-Aug-17	12-Apr-18
Sample ID				MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24A	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.10	<0.25	<0.10	<0.10	<0.10	<0.50	<0.50	1.4	<0.50	<0.50	0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.84[B]**	<0.25	<0.10	<0.10	<0.10	<0.20	<0.20	**38[B]**	<0.20	0.46	<0.1	0.3	0.2	0.3	0.21	0.29	0.11	**2.2[B]**	0.20	**0.71[B]**	0.50
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.10	<0.25	<0.10	<0.10	<0.10	<0.20	<0.20	**3.6[B]**	<0.20	<0.20	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	0.21	<0.20
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.3	0.3	0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-24B (Continued)				MW08-24C															
Sample Date				21-Nov-19	3-Jun-20	6-Aug-20	27-Apr-21	17-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	23-Nov-12	2-Jul-13	12-Nov-13	6-May-14	26-Nov-15	15-Aug-16	2-Aug-17	12-Apr-18	25-Nov-19	3-Jun-20	6-Aug-20	22-Sep-20	11-Dec-20
Sample ID				MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-24B (Continued)				MW08-24C															
Sample Date				21-Nov-19	3-Jun-20	6-Aug-20	27-Apr-21	17-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	23-Nov-12	2-Jul-13	12-Nov-13	6-May-14	26-Nov-15	15-Aug-16	2-Aug-17	12-Apr-18	25-Nov-19	3-Jun-20	6-Aug-20	22-Sep-20	11-Dec-20
Sample ID				MW08-24B	MW08-24B	MW08-24B	MW08-24B	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C	MW08-24C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.81	<0.50	<0.50	<0.50	**3.4**[B]	**2.1**[B]	**3.2**[B]	1.4	0.54	***<10***	**1.7**[B]	**1.7**[B]	**3.2**[B]	**1.7**[B]	**2.3**[B]	**2.9**[B]	**2.8**[B]	**3.7**[B]	**3.5**[B]	**2.9**[B]	**2.8**[B]
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**7.6**[B]	**0.61**[B]	<0.20	<0.20	0.2	0.2	0.1	0.2	0.15	**350**[B]	0.11	0.11	<0.10	0.20	0.26	0.25	0.24	0.21	0.22	0.22	0.22
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**0.53**[B]	<0.20	<0.20	<0.20	**0.7**[B]	0.5	0.3	0.2	<0.10	***<10***	**0.51**[B]	**0.79**[B]	**0.64**[B]	**1.9**[B]	**1.2**[B]	**1.3**[B]	**1.6**[B]	**1.3**[B]	**1.5**[B]	**1.4**[B]	**1.7**[B]
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	0.29	<0.27	<0.30	<0.20	**1.6**[B]	**1.8**[B]	**3.8**[B]	<0.2	<0.20	***<20***	**2.3**[B]	**1.4**[B]	<0.20	**2.2**[B]	**0.68**[B]	**0.85**[B]	0.47	**0.75**[B]	**0.98**[B]	0.40	0.38
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-24C (Continued)		MW08-25A														MW08-25B				
Sample Date				23-Feb-21	27-Apr-21	23-Oct-08	20-Aug-09	30-Aug-10	26-Jul-11	21-Nov-12	4-Jul-13	7-May-14	24-Nov-15	18-Aug-16	4-Aug-17	18-Apr-18	20-Nov-19	5-Aug-20	4-May-21	23-Oct-08	20-Aug-09	30-Aug-10	26-Jul-11	21-Nov-12
Sample ID				MW08-24C	MW08-24C	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25B	MW08-25B	MW08-25B	MW08-25B	MW08-25B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-24C (Continued)		MW08-25A														MW08-25B				
Sample Date				23-Feb-21	27-Apr-21	23-Oct-08	20-Aug-09	30-Aug-10	26-Jul-11	21-Nov-12	4-Jul-13	7-May-14	24-Nov-15	18-Aug-16	4-Aug-17	18-Apr-18	20-Nov-19	5-Aug-20	4-May-21	23-Oct-08	20-Aug-09	30-Aug-10	26-Jul-11	21-Nov-12
Sample ID				MW08-24C	MW08-24C	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25A	MW08-25B	MW08-25B	MW08-25B	MW08-25B	MW08-25B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	1.5	1.6	<0.1	<0.1	<0.1	<0.1	<0.50	<0.10	<0.10	<0.10	0.15	<0.10	<0.50	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.10
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.30	<0.20	<0.1	0.2	**2.8[B]**	0.2	<0.50	0.26	**5.7[B]**	<0.10	**0.56[B]**	<0.10	<0.20	**87[B]**	<0.20	<0.20	<0.1	0.2	<0.1	<0.1	<0.10
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**1.6[B]**	**1.4[B]**	<0.1	<0.1	0.4	<0.1	<0.50	<0.10	**0.55[B]**	<0.10	<0.10	<0.10	<0.20	**3.8[B]**	<0.20	<0.20	<0.1	<0.1	<0.1	<0.1	<0.10
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	0.22	0.22	<0.2	<0.2	<0.2	<0.2	***<1.0***	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-25B (Continued)														MW08-25C									
Sample Date				4-Jul-13	7-May-14	24-Nov-15	18-Aug-16	18-Aug-16		4-Aug-17	18-Apr-18	20-Nov-19	5-Aug-20	4-May-21		22-Oct-08	20-Aug-09	30-Aug-10	26-Jul-11	21-Nov-12	4-Jul-13	7-May-14	24-Nov-15	18-Aug-16	4-Aug-17
Sample ID				MW08-25B	MW08-25B	MW08-25B	MW08-25B	MW08-25B		MW08-25B	MW08-25B	MW08-25B	MW08-25B	MW08-25B		MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																									
Sample Type	Units	Site Specific	Ontario SCS					Field Duplicate	(%)																
General Chemistry																									
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																									
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Metals																									
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-25B (Continued)												MW08-25C									
Sample Date				4-Jul-13	7-May-14	24-Nov-15	18-Aug-16	18-Aug-16		4-Aug-17	18-Apr-18	20-Nov-19	5-Aug-20	4-May-21		22-Oct-08	20-Aug-09	30-Aug-10	26-Jul-11	21-Nov-12	4-Jul-13	7-May-14	24-Nov-15	18-Aug-16	4-Aug-17
Sample ID				MW08-25B	MW08-25B	MW08-25B	MW08-25B	MW08-25B		MW08-25B	MW08-25B	MW08-25B	MW08-25B	MW08-25B		MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-25C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																									
Sample Type	Units	Site Specific	Ontario SCS					Field Duplicate	(%)																
Polycyclic Aromatic Hydrocarbons																									
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																									
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.10	<0.10	0.67	<0.10	0.22	nc	0.88	<0.50	<0.50	<0.50	<0.50		<0.1	<0.1	<0.1	<0.1	<0.20	<0.10	**34[B]**	**22[B]**	**3.1[B]**	**17[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.38	**1.6[B]**	<0.10	<0.10	0.26	nc	**0.57[B]**	<0.20	**6.8[B]**	<0.20	0.26		<0.1	<0.1	<0.1	<0.1	<0.20	<0.10	**7.3[B]**	**5.1[B]**	**1.2[B]**	**9.4[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.11	0.16	<0.10	<0.10	<0.10	nc	**0.59[B]**	<0.20	0.26	<0.20	<0.20		<0.1	<0.1	<0.1	<0.1	<0.20	<0.10	**9.4[B]**	**6.5[B]**	**0.89[B]**	**10[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	<0.20	<0.20	nc	<0.20	<0.20	<0.20	<0.20	<0.20		<0.2	<0.2	<0.2	<0.2	<0.40	<0.20	**1.8[B]**	<0.20	<0.20	0.32
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-25C (Continued)				MW08-26A												MW08-26B			
Sample Date				18-Apr-18	20-Nov-19	5-Aug-20	4-May-21	24-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	26-Nov-19	29-Jul-20	28-Apr-21	24-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11
Sample ID				MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26B	MW08-26B	MW08-26B	MW08-26B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-25C (Continued)				MW08-26A												MW08-26B			
Sample Date				18-Apr-18	20-Nov-19	5-Aug-20	4-May-21	24-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11	26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	26-Nov-19	29-Jul-20	28-Apr-21	24-Oct-08	20-Aug-09	27-Aug-10	26-Jul-11
Sample ID				MW08-25C	MW08-25C	MW08-25C	MW08-25C	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26A	MW08-26B	MW08-26B	MW08-26B	MW08-26B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**3.5[B]**	**41[B]**	**25[B]**	**29[B]**	0.1	<0.1	0.1	<0.1	0.11	<0.10	<0.10	0.31	<0.50	<0.50	<0.50	<0.50	<0.50	**17[B]**	0.9	0.1	0.1
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**2.1[B]**	**13[B]**	**17[B]**	**12[B]**	<0.1	0.1	0.1	<0.1	0.12	<0.10	<0.10	<0.10	<0.20	<0.20	**2.6[B]**	<0.20	<0.20	<0.1	**1.3[B]**	0.1	<0.1
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**2.2[B]**	**18[B]**	**17[B]**	**14[B]**	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	0.25	<0.20	<0.20	<0.1	<0.1	<0.1	<0.1
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	**3.7[B]**	**1.5[B]**	**1.4[B]**	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**3.0[B]**	<0.2	<0.2	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-26B (Continued)										MW08-26C										
Sample Date				26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	26-Nov-19	29-Jul-20	28-Apr-21	17-Oct-08	19-Feb-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	17-Mar-11	26-Jul-11	19-Jun-12	2-Jul-13
Sample ID				MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-26B (Continued)										MW08-26C										
Sample Date				26-Jun-13	6-May-14	23-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	26-Nov-19	29-Jul-20	28-Apr-21	17-Oct-08	19-Feb-09	15-May-09	20-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	27-Aug-10	17-Mar-11	26-Jul-11	19-Jun-12	2-Jul-13
Sample ID				MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26B	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.10	0.16	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	**16[B]**	**21[B]**	**35[B]**	**31[B]**	**43[B]**	**25[B]**	**24[B]**	**15[B]**	**12[B]**	**15[B]**	**13[B]**	**31[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.13	<0.10	<0.10	<0.10	<0.20	<0.20	**3.1[B]**	<0.20	<0.20	**0.7[B]**	**0.7[B]**	**0.7[B]**	**0.6[B]**	**0.7[B]**	**0.6[B]**	0.5	0.5	0.5	0.5	0.38	**0.71[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.23	<0.10	<0.10	<0.10	<0.20	<0.20	0.50	<0.20	<0.20	**0.6[B]**	**0.7[B]**	**0.7[B]**	0.5	**0.9[B]**	**0.6[B]**	**0.7[B]**	**0.7[B]**	**0.6[B]**	0.4	**0.58[B]**	**4.1[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**2.0[B]**	**3.6[B]**	**6.3[B]**	**5.3[B]**	**7.6[B]**	**2.0[B]**	**4.3[B]**	**4.8[B]**	**2.1[B]**	**1.8[B]**	**4.1[B]**	**3.2[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-26C (Continued)														MW08-27A					
Sample Date				12-Nov-13	6-May-14	24-Sep-14	14-Jul-15	23-Nov-15	20-Apr-16	17-Aug-16	3-Aug-17	25-Oct-17	19-Sep-18	16-Apr-19	26-Nov-19	29-Jul-20	15-Oct-20	28-Apr-21	17-Oct-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13
Sample ID				MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-26C (Continued)														MW08-27A					
Sample Date				12-Nov-13	6-May-14	24-Sep-14	14-Jul-15	23-Nov-15	20-Apr-16	17-Aug-16	3-Aug-17	25-Oct-17	19-Sep-18	16-Apr-19	26-Nov-19	29-Jul-20	15-Oct-20	28-Apr-21	17-Oct-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13
Sample ID				MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-26C	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**37[B]**	**12[B]**	**25[B]**	**14[B]**	**51[B]**	**16[B]**	**19[B]**	**16[B]**	**18[B]**	**10[B]**	<0.50	**11[B]**	**12[B]**	**25[B]**	**5.8[B]**	<0.1	0.2	0.3	0.3	0.34	1.5
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.46	0.46	0.33	0.36	**0.71[B]**	0.43	0.41	0.21	0.24	0.21	<0.20	0.28	0.23	0.23	<0.20	<0.1	**0.7[B]**	**0.6[B]**	0.3	**1.1[B]**	**47[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**3.1[B]**	**3.9[B]**	**2.5[B]**	**3.2[B]**	**4.0[B]**	**3.1[B]**	**3.2[B]**	**2.5[B]**	**3.4[B]**	**1.6[B]**	<0.20	**0.94[B]**	**1.8[B]**	**1.9[B]**	**1.1[B]**	<0.1	0.2	0.1	0.1	0.18	**5.0[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**4.8[B]**	**2.9[B]**	**5.4[B]**	**6.2[B]**	**10[B]**	**5.7[B]**	**4.8[B]**	**7.2[B]**	**4.4[B]**	**8.5[B]**	<0.20	**4.5[B]**	**13[B]**	**28[B]**	**2.5[B]**	<0.2	<0.2	<0.2	<0.2	<0.20	<0.40
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-27A (Continued)										MW08-27B										
Sample Date				12-Nov-13	8-May-14	25-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18	25-Nov-19	7-Aug-20	4-May-21	17-Oct-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13	12-Nov-13	8-May-14	25-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18
Sample ID				MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	$420_{\leq 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	$150_{\leq 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	$500_{\leq 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	$500_{\leq 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-27A (Continued)										MW08-27B										
Sample Date				12-Nov-13	8-May-14	25-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18	25-Nov-19	7-Aug-20	4-May-21	17-Oct-08	21-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13	12-Nov-13	8-May-14	25-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18
Sample ID				MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27A	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B	MW08-27B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.29	**130[B]**	<0.10	0.32	<0.50	<0.50	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	**6.0[B]**	<0.10	<0.10	**13[B]**	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.42	**5.3[B]**	**1.3[B]**	0.34	**5.1[B]**	0.41	**2.5[B]**	0.27	0.35	<0.1	<0.1	<0.1	<0.1	<0.10	**6.6[B]**	<0.10	0.28	**2.8[B]**	<0.10	**230[B]**	**0.68[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.16	**30[B]**	<0.10	0.14	0.24	<0.20	0.42	<0.20	<0.20	<0.1	<0.1	<0.1	<0.1	<0.10	**0.51[B]**	<0.10	**0.90[B]**	<0.10	<0.10	**16[B]**	<0.20
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	**46[B]**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	**4.6[B]**	<0.20	<0.20	**1.1[B]**	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-27B (Continued)			MW08-27C												MW08-28A					
Sample Date				25-Nov-19	7-Aug-20	4-May-21	23-Oct-08	27-Jul-11	27-Jun-13	12-Nov-13	8-May-14	25-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18	25-Nov-19	10-Aug-20	4-May-21	17-Oct-08	20-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13
Sample ID				MW08-27B	MW08-27B	MW08-27B	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420$_{\leq 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150$_{\leq 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500$_{\leq 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500$_{\leq 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-27B (Continued)			MW08-27C												MW08-28A					
Sample Date				25-Nov-19	7-Aug-20	4-May-21	23-Oct-08	27-Jul-11	27-Jun-13	12-Nov-13	8-May-14	25-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18	25-Nov-19	10-Aug-20	4-May-21	17-Oct-08	20-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13
Sample ID				MW08-27B	MW08-27B	MW08-27B	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-27C	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.50	<0.50	<0.50	<0.1	<0.1	**2.8[B]**	0.17	**2.4[B]**	<0.10	<0.10	**4.6[B]**	<0.50	<0.50	<0.50	<0.50	**950[B]**	**840[B]**	**1,100[B]**	**650[B]**	**3,000[B]**	**1,800[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**2.7[B]**	0.34	**0.82[B]**	<0.1	<0.1	**240[B]**	0.30	0.35	<0.10	<0.10	**450[B]**	**0.84[B]**	0.43	<0.20	<0.20	**8[B]**	**29[B]**	**110[B]**	**19[B]**	**44[B]**	**42[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.42	<0.20	<0.20	<0.1	<0.1	**21[B]**	<0.10	0.25	<0.10	<0.10	**16[B]**	<0.20	<0.20	<0.20	<0.20	**50[B]**	**24[B]**	**130[B]**	**53[B]**	**77[B]**	***<10***
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	<0.2	<0.2	***<4.0***	<0.20	0.37	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**310[B]**	**270[B]**	**210[B]**	**97[B]**	**760[B]**	**390[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-28A (Continued)							MW08-28B													
Sample Date				25-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18	25-Nov-19	5-Aug-20	4-May-21	23-Oct-08	20-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13	12-Nov-13	26-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18	25-Nov-19	5-Aug-20	4-May-21
Sample ID				MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-28A (Continued)							MW08-28B												
Sample Date				25-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18	25-Nov-19	5-Aug-20	4-May-21	23-Oct-08	20-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13	12-Nov-13	26-Nov-15	18-Aug-16	2-Aug-17	18-Apr-18	25-Nov-19	5-Aug-20	4-May-21
Sample ID				MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28A	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B	MW08-28B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**1,200[B]**	**2,800[B]**	**700[B]**	**670[B]**	**1,400[B]**	**1,500[B]**	**740[B]**	**210[B]**	**270[B]**	**310[B]**	**270[B]**	**180[B]**	**910[B]**	**750[B]**	**420[B]**	**470[B]**	**450[B]**	**220[B]**	**540[B]**	**1,400[B]**	**4,200[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**0.83[B]**	***<10***	**0.82[B]**	**0.66[B]**	**22[B]**	**16[B]**	**0.71[B]**	**6[B]**	**7.5[B]**	**25[B]**	**18[B]**	**28[B]**	**90[B]**	**72[B]**	**190[B]**	**120[B]**	**150[B]**	**94[B]**	**17[B]**	**10[B]**	**12[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**0.54[B]**	***<10***	**2.9[B]**	**0.83[B]**	**12[B]**	**62[B]**	**2.3[B]**	**19[B]**	**9.3[B]**	**37[B]**	**38[B]**	**47[B]**	**81[B]**	**72[B]**	**170[B]**	**75[B]**	**76[B]**	**66[B]**	**8.7[B]**	**6.5[B]**	**5.7[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**490[B]**	**1,000[B]**	**530[B]**	**410[B]**	**630[B]**	**860[B]**	**380[B]**	**68[B]**	**25[B]**	**59[B]**	**20[B]**	***<20***	**200[B]**	**200[B]**	**31[B]**	***<20***	**150[B]**	**11[B]**	**210[B]**	**540[B]**	**1,500[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-28C	MW08-29A															MW08-29B				
Sample Date				2-Aug-17	24-Oct-08	24-Oct-08		20-Aug-09	28-Aug-10	26-Jul-11	21-Nov-12	27-Jun-13	6-May-14	24-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	7-Aug-20	28-Apr-21	24-Oct-08	20-Aug-09	26-Jul-11	21-Nov-12	27-Jun-13
Sample ID				MW08-28C	MW08-29A	MW08-29A		MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS			Field Duplicate	(%)																	
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420$_{s7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150$_{s15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500$_{s8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500$_{s10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-28C	MW08-29A															MW08-29B				
Sample Date				2-Aug-17	24-Oct-08	24-Oct-08		20-Aug-09	28-Aug-10	26-Jul-11	21-Nov-12	27-Jun-13	6-May-14	24-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	7-Aug-20	28-Apr-21	24-Oct-08	20-Aug-09	26-Jul-11	21-Nov-12	27-Jun-13
Sample ID				MW08-28C	MW08-29A	MW08-29A		MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29A	MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS			Field Duplicate	(%)																	
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	1.2	<0.1	<0.1	nc	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.1	<0.1	0.2	<0.20	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	<0.20	<0.1	<0.1	nc	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	0.34	<0.1	<0.1	<0.1	<0.20	<0.50
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.20	<0.1	<0.1	nc	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.1	<0.1	<0.1	<0.20	<0.50
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.2	<0.2	nc	<0.2	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2	<0.40	***<1.0***
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-29B (Continued)							MW08-29C												
Sample Date				6-May-14	24-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	7-Aug-20	28-Apr-21	24-Oct-08	15-May-09	20-Aug-09	28-Aug-10	26-Jul-11	21-Nov-12	27-Jun-13	6-May-14	24-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	7-Aug-20	28-Apr-21
Sample ID				MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																			
Sample Type	Units	Site Specific	Ontario SCS																				
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	$420_{\leq 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	$150_{\leq 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	$500_{\leq 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	$500_{\leq 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-29B (Continued)							MW08-29C												
Sample Date				6-May-14	24-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	7-Aug-20	28-Apr-21	24-Oct-08	15-May-09	20-Aug-09	28-Aug-10	26-Jul-11	21-Nov-12	27-Jun-13	6-May-14	24-Nov-15	17-Aug-16	3-Aug-17	13-Apr-18	7-Aug-20	28-Apr-21
Sample ID				MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29B	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C	MW08-29C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																							
Sample Type	Units	Site Specific	Ontario SCS																				
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	0.54	<0.10	<0.10	0.32	<0.50	<0.50	<0.50	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**2.4[B]**	<0.10	0.30	**0.67[B]**	<0.20	<0.20	**0.51[B]**	<0.1	**3.2[B]**	<0.1	<0.1	<0.1	<0.10	<0.25	0.33	<0.10	0.27	<0.20	<0.20	<0.20	**1.1[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.40	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20	<0.1	0.2	<0.1	<0.1	<0.1	<0.10	<0.25	<0.10	<0.10	<0.10	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-30A	MW08-30B	MW08-30C	MW08-34															
Sample Date				5-Dec-08	5-Dec-08	5-Dec-08	19-Oct-11	15-Nov-11	15-Dec-11	27-Jun-13	8-May-14	4-Dec-14	12-May-15	11-Sep-15	23-Oct-15	16-Dec-15	11-Mar-16	28-Jul-16	16-Aug-16	27-Mar-19	30-Aug-19	20-Apr-20
Sample ID				MW08-30A	MW08-30B	MW08-30C	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
General Chemistry																						
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																						
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-30A	MW08-30B	MW08-30C	MW08-34															
Sample Date				5-Dec-08	5-Dec-08	5-Dec-08	19-Oct-11	15-Nov-11	15-Dec-11	27-Jun-13	8-May-14	4-Dec-14	12-May-15	11-Sep-15	23-Oct-15	16-Dec-15	11-Mar-16	28-Jul-16	16-Aug-16	27-Mar-19	30-Aug-19	20-Apr-20
Sample ID				MW08-30A	MW08-30B	MW08-30C	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34	MW08-34
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
Polycyclic Aromatic Hydrocarbons																						
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.2	1.3	<0.1	**25,000[B]**	**23,000[B]**	**38,000[B]**	**2,900[B]**	**1,700[B]**	**4,400[B]**	**2,200[B]**	**3,000[B]**	**5,600[B]**	**3,100[B]**	**940[B]**	**4,700[B]**	**2,100[B]**	**4,300[B]**	**8,100[B]**	**6,800[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.5	0.3	0.2	**13,000[B]**	**4,800[B]**	**7,600[B]**	**320[B]**	**330[B]**	**12[B]**	**40[B]**	**36[B]**	**39[B]**	**36[B]**	**100[B]**	**24[B]**	**27[B]**	**5.8[B]**	**89[B]**	**23[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.1	0.3	<0.1	**33,000[B]**	**8,800[B]**	**46,000[B]**	**640[B]**	**630[B]**	**18[B]**	**63[B]**	**26[B]**	**27[B]**	**32[B]**	**90[B]**	**16[B]**	**26[B]**	**160[B]**	**22[B]**	**15[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	<0.2	<0.2	**1,100[B]**	**350[B]**	**930[B]**	**740[B]**	**430[B]**	**1,300[B]**	**1,000[B]**	**920[B]**	**2,800[B]**	**4,100[B]**	**630[B]**	**2,400[B]**	**2,700[B]**	**820[B]**	**26,000[B]**	**1,000[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-36A																			
Sample Date				18-Feb-09	21-Aug-09	28-Aug-10	27-Jul-11	27-Jun-12	23-Nov-12	3-Jul-13	8-May-14	25-Nov-15	15-Aug-16	26-Apr-17	2-Aug-17	27-Oct-17	20-Apr-18	6-Jun-18	19-Sep-18	28-Nov-19	6-Aug-20	5-Mar-21	28-Apr-21
Sample ID				MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-36A																		
Sample Date				18-Feb-09	21-Aug-09	28-Aug-10	27-Jul-11	27-Jun-12	23-Nov-12	3-Jul-13	8-May-14	25-Nov-15	15-Aug-16	26-Apr-17	2-Aug-17	27-Oct-17	20-Apr-18	6-Jun-18	19-Sep-18	28-Nov-19	6-Aug-20	5-Mar-21	28-Apr-21
Sample ID				MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A	MW08-36A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**5,300[B]**	**1,900[B]**	**1,900[B]**	**3,500[B]**	**7,300[B]**	**16,000[B]**	**7,100[B]**	**10,000[B]**	**14,000[B]**	**560[B]**	**23,000[B]**	**23,000[B]**	**22,000[B]**	**5,500[B]**	**21,000[B]**	**7,900[B]**	**11,000[B]**	**28,000[B]**	**2,700[B]**	**6,500[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**250,000[B]**	**37,000[B]**	**9,100[B]**	**9,700[B]**	**4,600[B]**	**5,000[B]**	**2,200[B]**	**190[B]**	***<10***	**37[B]**	**320[B]**	**95[B]**	**27[B]**	**12[B]**	**120[B]**	**11[B]**	<0.20	**12[B]**	**3.2[B]**	**9.6[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**27,000[B]**	**3,500[B]**	**4,700[B]**	**6,800[B]**	**3,000[B]**	**6,600[B]**	**2,000[B]**	**640[B]**	***<10***	**83[B]**	**2,200[B]**	**530[B]**	**240[B]**	**32[B]**	**880[B]**	**27[B]**	0.21	**200[B]**	**6.9[B]**	**52[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**1,100[B]**	**780[B]**	**330[B]**	**400[B]**	**1,300[B]**	**3,200[B]**	**2,500[B]**	**2,400[B]**	**4,100[B]**	**770[B]**	**8,600[B]**	**9,700[B]**	**6,100[B]**	**3,500[B]**	**4,500[B]**	**3,200[B]**	**3,400[B]**	**12,000[B]**	**2,100[B]**	**2,400[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-36B																	
Sample Date				18-Feb-09	24-Aug-09	28-Aug-10	23-Nov-12	4-Jul-13	12-Nov-13	8-May-14	25-Nov-15	21-Apr-16	15-Aug-16	2-Aug-17	27-Oct-17	20-Apr-18	19-Sep-18	28-Nov-19	6-Aug-20	20-Oct-20	4-May-21
Sample ID				MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																		
General Chemistry																					
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																					
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-36B																	
Sample Date				18-Feb-09	24-Aug-09	28-Aug-10	23-Nov-12	4-Jul-13	12-Nov-13	8-May-14	25-Nov-15	21-Apr-16	15-Aug-16	2-Aug-17	27-Oct-17	20-Apr-18	19-Sep-18	28-Nov-19	6-Aug-20	20-Oct-20	4-May-21
Sample ID				MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B	MW08-36B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																					
Sample Type	Units	Site Specific	Ontario SCS																		
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																					
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**1,000[B]**	**220[B]**	**1,200[B]**	**2,500[B]**	**3,100[B]**	**570[B]**	**2,400[B]**	**11,000[B]**	**5,900[B]**	**690[B]**	**14,000[B]**	**3,200[B]**	**8,500[B]**	**2,500[B]**	**8,200[B]**	**5,600[B]**	**700[B]**	**3,500[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**22[B]**	**36[B]**	**55[B]**	**33[B]**	**47[B]**	**12[B]**	**36[B]**	***<10***	**540[B]**	**24[B]**	**9.7[B]**	**6.1[B]**	**1.1[B]**	***<2.0***	**0.52[B]**	0.28	0.24	<0.20
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	***<5***	**45[B]**	**47[B]**	**74[B]**	**170[B]**	**25[B]**	**89[B]**	***<10***	**490[B]**	**52[B]**	**60[B]**	**10[B]**	**3.2[B]**	**6.0[B]**	**3.2[B]**	**1.7[B]**	**0.64[B]**	0.44
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**310[B]**	**27[B]**	**200[B]**	**410[B]**	**170[B]**	**33[B]**	**730[B]**	**940[B]**	**1,100[B]**	**420[B]**	**2,900[B]**	**52[B]**	**3,200[B]**	**640[B]**	**6,500[B]**	**3,100[B]**	**480[B]**	**4,100[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-37A														
Sample Date				18-Feb-09	21-Aug-09	31-Aug-10	27-Jul-11	27-Jun-12	24-Nov-12	3-Jul-13	8-May-14	25-Nov-15	15-Aug-16	26-Apr-17	2-Aug-17	24-Oct-17	28-Feb-18	20-Apr-18
Sample ID				MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS															
General Chemistry																		
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																		
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																		
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-37A														
Sample Date				18-Feb-09	21-Aug-09	31-Aug-10	27-Jul-11	27-Jun-12	24-Nov-12	3-Jul-13	8-May-14	25-Nov-15	15-Aug-16	26-Apr-17	2-Aug-17	24-Oct-17	28-Feb-18	20-Apr-18
Sample ID				MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A	MW08-37A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS															
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																		
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**26,000[B]**	**20,000[B]**	**16,000[B]**	**57,000[B]**	**26,000[B]**	**30,000[B]**	**34,000[B]**	**34,000[B]**	**46,000[B]**	**36,000[B]**	**62,000[B]**	**64,000[B]**	**720[B]**	**50,000[B]**	**23,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**81,000[B]**	**93,000[B]**	**20,000[B]**	**11,000[B]**	**3,600[B]**	**2,100[B]**	**530[B]**	**3,500[B]**	**3,300[B]**	**560[B]**	**1,800[B]**	**650[B]**	**33[B]**	**57,000[B]**	**3,900[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**34,000[B]**	**42,000[B]**	**13,000[B]**	**31,000[B]**	**7,200[B]**	**6,300[B]**	**4,800[B]**	**14,000[B]**	**3,300[B]**	**1,200[B]**	**19,000[B]**	**7,800[B]**	**23[B]**	**21,000[B]**	**4,900[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**3,500[B]**	**8,000[B]**	**4,300[B]**	**6,700[B]**	**6,500[B]**	**6,100[B]**	**6,200[B]**	**5,900[B]**	**4,800[B]**	**11,000[B]**	**9,300[B]**	**8,400[B]**	**680[B]**	**11,000[B]**	**4,800[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-37B												MW08-38A							
Sample Date				18-Feb-09	24-Aug-09	30-Aug-10	27-Jul-11	8-May-14	25-Nov-15	15-Aug-16	2-Aug-17	20-Apr-18	28-Nov-19	6-Aug-20	19-Feb-09	24-Aug-09	28-Aug-10	26-Jul-11	24-Nov-12	27-Jun-13	7-May-14	24-Nov-15
Sample ID				MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
General Chemistry																						
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																						
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-37B												MW08-38A							
Sample Date				18-Feb-09	24-Aug-09	30-Aug-10	27-Jul-11	8-May-14	25-Nov-15	15-Aug-16	2-Aug-17	20-Apr-18	28-Nov-19	6-Aug-20	19-Feb-09	24-Aug-09	28-Aug-10	26-Jul-11	24-Nov-12	27-Jun-13	7-May-14	24-Nov-15
Sample ID				MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-37B	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																		
Sample Type	Units	Site Specific	Ontario SCS																			
Polycyclic Aromatic Hydrocarbons																						
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	$1{,}500_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**1,500[B]**	**730[B]**	**4,100[B]**	**1,400[B]**	**9,300[B]**	**73[B]**	**790[B]**	**200[B]**	**180[B]**	**1.9[B]**	**350[B]**	**9.0[B]**	**6.8[B]**	**6.7[B]**	**250[B]**	**14[B]**	**6.4[B]**	**1.9[B]**	**6.4[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5_{s11}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**1,200[B]**	**9.6[B]**	**34[B]**	**17[B]**	***<50***	**11[B]**	**31[B]**	**21[B]**	**310[B]**	<0.20	<0.20	**35[B]**	**32[B]**	**31[B]**	***<10***	**28[B]**	**30[B]**	0.44	**33[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**840[B]**	**25[B]**	**40[B]**	**16[B]**	***<50***	**18[B]**	**20[B]**	**17[B]**	**5.0[B]**	0.41	0.41	**14[B]**	**15[B]**	**11[B]**	***<10***	**11[B]**	**11[B]**	**1.0[B]**	**7.5[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**200[B]**	**2,000[B]**	**7,000[B]**	**440[B]**	**5,400[B]**	**3.4[B]**	**4,400[B]**	**290[B]**	**390[B]**	**3.2[B]**	**180[B]**	**0.7[B]**	**0.6[B]**	**1.4[B]**	**220[B]**	<0.20	<0.40	<0.20	**0.68[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72_{s1}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-38A (Continued)					MW08-38B													
Sample Date				16-Aug-16	4-Aug-17	10-Apr-18	19-Nov-19	4-Aug-20	19-Feb-09	24-Aug-09	28-Aug-10	26-Jul-11	24-Nov-12	27-Jun-13	7-May-14	24-Nov-15	16-Aug-16	4-Aug-17	10-Apr-18	19-Nov-19	4-Aug-20	4-May-21
Sample ID				MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
General Chemistry																						
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																						
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{s7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{s15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{s8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{s10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-38A (Continued)					MW08-38B													
Sample Date				16-Aug-16	4-Aug-17	10-Apr-18	19-Nov-19	4-Aug-20	19-Feb-09	24-Aug-09	28-Aug-10	26-Jul-11	24-Nov-12	27-Jun-13	7-May-14	24-Nov-15	16-Aug-16	4-Aug-17	10-Apr-18	19-Nov-19	4-Aug-20	4-May-21
Sample ID				MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38A	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B	MW08-38B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
Polycyclic Aromatic Hydrocarbons																						
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**2.8[B]**	**13[B]**	**13[B]**	**3.0[B]**	**2.6[B]**	**2.4[B]**	**4.9[B]**	**5.1[B]**	**700[B]**	**3.4[B]**	**2.1[B]**	**6.7[B]**	**7.1[B]**	**2.5[B]**	1.5	**1.9[B]**	**4.9[B]**	**4.2[B]**	**2.5[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**31[B]**	**25[B]**	**32[B]**	**64[B]**	**13[B]**	0.3	**2.5[B]**	**0.8[B]**	**15[B]**	**0.99[B]**	0.48	**33[B]**	**0.62[B]**	0.44	0.26	0.44	**49[B]**	**0.61[B]**	0.32
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**8.5[B]**	**9.6[B]**	**11[B]**	**15[B]**	**3.9[B]**	0.5	**0.7[B]**	**1.5[B]**	**19[B]**	**1.9[B]**	**1.1[B]**	**12[B]**	**0.77[B]**	**0.80[B]**	**0.69[B]**	**0.91[B]**	**6.6[B]**	**0.85[B]**	**0.73[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**1.4[B]**	<0.20	<0.20	<0.20	<0.20	<0.2	0.5	**1.1[B]**	**320[B]**	<0.20	<0.20	<0.40	**2.0[B]**	<0.20	<0.20	<0.20	0.24	0.49	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-38C																
Sample Date				19-Feb-09	15-May-09	3-Jun-10	2-Jul-13	7-May-14	24-Nov-15	21-Apr-16	16-Aug-16	4-Aug-17	25-Oct-17	10-Apr-18	18-Sep-18	16-Apr-19	19-Nov-19	4-Aug-20	4-May-21	4-May-21
Sample ID				MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																	
General Chemistry																				
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																				
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																				
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-38C																
Sample Date				19-Feb-09	15-May-09	3-Jun-10	2-Jul-13	7-May-14	24-Nov-15	21-Apr-16	16-Aug-16	4-Aug-17	25-Oct-17	10-Apr-18	18-Sep-18	16-Apr-19	19-Nov-19	4-Aug-20	4-May-21	4-May-21
Sample ID				MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C	MW08-38C2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																	
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																				
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**3.6[B]**	0.2	0.7	0.82	<0.10	<0.10	**8.2[B]**	<0.10	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**8.6[B]**	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**32[B]**	**2.9[B]**	<0.1	0.23	<0.10	<0.10	**48[B]**	0.14	0.33	<0.20	<0.20	<0.20	<0.20	0.49	**0.80[B]**	**25[B]**	<0.20
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**7.7[B]**	**0.6[B]**	<0.1	0.16	<0.10	<0.10	**20[B]**	<0.10	0.23	0.50	<0.20	<0.20	<0.20	0.34	<0.20	**7.2[B]**	<0.20
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	0.5	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.25	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-39A													MW08-39B		
Sample Date				19-Feb-09	24-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13	7-May-14	25-Nov-15	18-Aug-16	4-Aug-17	19-Nov-19	31-Jul-20	29-Apr-21	19-Feb-09	24-Aug-09	27-Jul-11
Sample ID				MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39B	MW08-39B	MW08-39B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																
General Chemistry																			
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																			
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																			
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-39A														MW08-39B		
Sample Date				19-Feb-09	24-Aug-09	28-Aug-10	27-Jul-11	23-Nov-12	27-Jun-13	7-May-14	25-Nov-15	18-Aug-16	4-Aug-17	19-Nov-19	31-Jul-20	29-Apr-21	19-Feb-09	24-Aug-09	27-Jul-11
Sample ID				MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39A	MW08-39B	MW08-39B	MW08-39B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																
Polycyclic Aromatic Hydrocarbons																			
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																			
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.1	0.4	0.1	<0.1	<0.10	0.88	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.1	0.3	<0.1
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.4	0.3	<0.1	<0.1	<0.10	<0.50	**<0.10**	**4.6[B]**	<0.10	**9.8[B]**	**10[B]**	<0.20	<0.20	**0.7[B]**	0.2	<0.1
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.1	<0.1	<0.1	<0.1	<0.10	<0.50	<0.10	0.31	<0.10	0.33	**0.55[B]**	<0.20	<0.20	<0.1	<0.1	<0.1
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	0.3	<0.2	<0.2	<0.20	***<1.0***	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.2	0.3	<0.2
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW08-39C																		
Sample Date				19-Feb-09	24-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	28-Aug-10	30-Nov-10	17-Mar-11	27-Jul-11	23-Nov-12	27-Jun-13	7-May-14	25-Nov-15	18-Aug-16	4-Aug-17	11-Apr-18	19-Nov-19	31-Jul-20	29-Apr-21
Sample ID				MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
General Chemistry																						
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																						
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location																						
													MW08-39C									
Sample Date				19-Feb-09	24-Aug-09	20-Nov-09	19-Feb-10	3-Jun-10	28-Aug-10	30-Nov-10	17-Mar-11	27-Jul-11	23-Nov-12	27-Jun-13	7-May-14	25-Nov-15	18-Aug-16	4-Aug-17	11-Apr-18	19-Nov-19	31-Jul-20	29-Apr-21
Sample ID				MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C	MW08-39C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
Polycyclic Aromatic Hydrocarbons																						
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.2	0.3	1.5	<0.1	0.1	<0.1	0.2	<0.3	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**3.9[B]**	0.3	0.3	**1.4[B]**	<0.1	<0.1	<0.1	<0.3	<0.1	<0.10	<0.10	<0.10	**1.1[B]**	<0.10	0.17	<0.20	**7.6[B]**	<0.20	<0.20
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.3	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.3	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	**0.61[B]**	<0.20	<0.20
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.2	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.5	<0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-1A												MW12-1B	
Sample Date				27-Jun-12	21-Nov-12	2-Jul-13	8-May-14	25-Nov-15	18-Aug-16	3-Aug-17	13-Apr-18	18-Nov-19	4-Aug-20	5-May-21	7-May-21	27-Jun-12	21-Nov-12
Sample ID				MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1B	MW12-1B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS														
General Chemistry																	
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																	
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420$_{c7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150$_{c15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500$_{c8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500$_{c10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																	
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-1A												MW12-1B	
Sample Date				27-Jun-12	21-Nov-12	2-Jul-13	8-May-14	25-Nov-15	18-Aug-16	3-Aug-17	13-Apr-18	18-Nov-19	4-Aug-20	5-May-21	7-May-21	27-Jun-12	21-Nov-12
Sample ID				MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1A	MW12-1B	MW12-1B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS														
Polycyclic Aromatic Hydrocarbons																	
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																	
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.41	0.12	**5.5[B]**	**5.0[B]**	**2.1[B]**	**5.2[B]**	1.3	0.63	**1.8[B]**	0.92	0.83	1.5	**4.0[B]**	**4.9[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**2.2[B]**	**1.0[B]**	**1.8[B]**	0.35	**3.2[B]**	**2.0[B]**	**0.51[B]**	0.32	**33[B]**	**41[B]**	0.40	**1.3[B]**	0.36	**<0.10**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.23	0.21	**0.69[B]**	**0.83[B]**	**0.88[B]**	**1.2[B]**	**0.90[B]**	0.41	**2.9[B]**	**4.2[B]**	**0.54[B]**	0.45	0.30	**0.53[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	0.44	<0.20	**0.91[B]**	<0.20	<0.20	<0.20	<0.20	<0.20	0.39	0.23	0.21
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-1C											MW12-2A								
Sample Date				27-Jun-12	21-Nov-12	2-Jul-13	8-May-14	25-Nov-15	18-Aug-16	3-Aug-17	13-Apr-18	18-Nov-19	4-Aug-20	3-May-21	27-Jun-12	21-Nov-12	2-Jul-13	17-Jul-13	8-May-14	24-Nov-15	18-Aug-16	26-Apr-17	3-Aug-17
Sample ID				MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-1C											MW12-2A								
Sample Date				27-Jun-12	21-Nov-12	2-Jul-13	8-May-14	25-Nov-15	18-Aug-16	3-Aug-17	13-Apr-18	18-Nov-19	4-Aug-20	3-May-21	27-Jun-12	21-Nov-12	2-Jul-13	17-Jul-13	8-May-14	24-Nov-15	18-Aug-16	26-Apr-17	3-Aug-17
Sample ID				MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-1C	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
Polycyclic Aromatic Hydrocarbons																							
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																							
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	0.24	0.98	0.95	**2.0**[B]	1.3	1.3	0.79	***<2.5***	**9.7**[B]	**3.7**[B]	**2.3**[B]	**30**[B]	**2,800**[B]	**2,200**[B]	**2,200**[B]	**4,600**[B]	**15,000**[B]	**13,000**[B]	**11,000**[B]	**6,200**[B]
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**1.6**[B]	**0.80**[B]	**2.5**[B]	**1.5**[B]	**1.1**[B]	**0.69**[B]	0.34	***<1.0***	**0.54**[B]	<0.20	<0.20	**130**[B]	**12,000**[B]	**140,000**[B]	**170,000**[B]	**150,000**[B]	**85,000**[B]	**61,000**[B]	**160,000**[B]	**140,000**[B]
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	0.25	**1.4**[B]	**1.0**[B]	**1.4**[B]	**0.78**[B]	**0.63**[B]	**0.76**[B]	***<1.0***	**1.5**[B]	0.50	0.32	**61**[B]	**6,500**[B]	**11,000**[B]	**11,000**[B]	**15,000**[B]	**29,000**[B]	**28,000**[B]	**37,000**[B]	**29,000**[B]
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	**1.9**[B]	<0.20	<0.20	<0.20	***<1.0***	0.21	0.35	0.42	***<2.0***	**310**[B]	**40**[B]	**130**[B]	***<2,000***	**400**[B]	***<200***	**390**[B]	**140**[B]
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-2A (Continued)												MW12-2B								
Sample Date				24-Oct-17	27-Feb-18	27-Feb-18		18-Apr-18	6-Jun-18	19-Mar-19	29-Aug-19	15-Nov-19	22-Apr-20	4-Aug-20	4-Mar-21	27-Jun-12	21-Nov-12	2-Jul-13	17-Jul-13	8-May-14	24-Nov-15	18-Aug-16	26-Apr-17	3-Aug-17
Sample ID				MW12-2A	MW12-2A	MW12-2A		MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS			Field Duplicate	(%)																	
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-2A (Continued)												MW12-2B								
Sample Date				24-Oct-17	27-Feb-18	27-Feb-18		18-Apr-18	6-Jun-18	19-Mar-19	29-Aug-19	15-Nov-19	22-Apr-20	4-Aug-20	4-Mar-21	27-Jun-12	21-Nov-12	2-Jul-13	17-Jul-13	8-May-14	24-Nov-15	18-Aug-16	26-Apr-17	3-Aug-17
Sample ID				MW12-2A	MW12-2A	MW12-2A		MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2A	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type						Field Duplicate																		
	Units	Site Specific	Ontario SCS				(%)																	
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**5,400[B]**	**4,600[B]**	**4,800[B]**	nc	**4,100[B]**	**3,200[B]**	**4,700[B]**	**6,300[B]**	**6,600[B]**	**6,900[B]**	**5,200[B]**	**7,200[B]**	**550[B]**	**2,100[B]**	**18,000[B]**	**17,000[B]**	**23,000[B]**	**14,000[B]**	**22,000[B]**	**38,000[B]**	**18,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**150,000[B]**	**160,000[B]**	**160,000[B]**	nc	**160,000[B]**	**130,000[B]**	**150,000[B]**	**83,000[B]**	**180,000[B]**	**210,000[B]**	**130,000[B]**	**130,000[B]**	**530[B]**	**4,700[B]**	**290[B]**	**3,400[B]**	**3,900[B]**	**14,000[B]**	**7,300[B]**	**2,400[B]**	**4,200[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**29,000[B]**	**23,000[B]**	**26,000[B]**	nc	**23,000[B]**	**20,000[B]**	**33,000[B]**	**23,000[B]**	**28,000[B]**	**39,000[B]**	**31,000[B]**	**48,000[B]**	**440[B]**	**2,400[B]**	**480[B]**	**3,700[B]**	**20,000[B]**	**27,000[B]**	**15,000[B]**	**5,200[B]**	**4,700[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**140[B]**	***<100***	***<100***	nc	**110[B]**	**70[B]**	**82[B]**	**59[B]**	**43[B]**	**62[B]**	**32[B]**	**49[B]**	**21[B]**	***<40***	**1,700[B]**	**1,000[B]**	**1,300[B]**	**170[B]**	***<200***	**510[B]**	**370[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-2B (Continued)												MW12-2C									
Sample Date				24-Oct-17	27-Feb-18	18-Apr-18	6-Jun-18	19-Mar-19	29-Aug-19	18-Nov-19	22-Apr-20	4-Aug-20	4-Mar-21	3-May-21	27-Jun-12	21-Nov-12	2-Jul-13	17-Jul-13	8-May-14	24-Nov-15	18-Aug-16	3-Aug-17	18-Apr-18	19-Mar-19
Sample ID				MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																									
Sample Type	Units	Site Specific	Ontario SCS																						
General Chemistry																									
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																									
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																									
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-2B (Continued)												MW12-2C									
Sample Date				24-Oct-17	27-Feb-18	18-Apr-18	6-Jun-18	19-Mar-19	29-Aug-19	18-Nov-19	22-Apr-20	4-Aug-20	4-Mar-21	3-May-21	27-Jun-12	21-Nov-12	2-Jul-13	17-Jul-13	8-May-14	24-Nov-15	18-Aug-16	3-Aug-17	18-Apr-18	19-Mar-19
Sample ID				MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2B	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																									
Sample Type	Units	Site Specific	Ontario SCS																						
Polycyclic Aromatic Hydrocarbons																									
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																									
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**11,000[B]**	**5,500[B]**	**300[B]**	**840[B]**	**500[B]**	**470[B]**	**920[B]**	**48[B]**	**360[B]**	**98[B]**	**450[B]**	**1.8[B]**	0.21	1.5	**7.7[B]**	**1.8[B]**	**1.7[B]**	1.2	0.97	**2.0[B]**	1.4
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**330[B]**	**59,000[B]**	**210[B]**	**620[B]**	**140[B]**	**550[B]**	**680[B]**	**170[B]**	**250[B]**	**150[B]**	**230[B]**	**1.9[B]**	**1.1[B]**	**0.94[B]**	**5.1[B]**	**4.3[B]**	<0.10	0.16	**2.3[B]**	**0.85[B]**	**3.5[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**450[B]**	**2,100[B]**	**76[B]**	**210[B]**	**32[B]**	**80[B]**	**82[B]**	**38[B]**	**28[B]**	**36[B]**	**26[B]**	**1.6[B]**	**0.54[B]**	0.26	**4.2[B]**	**0.51[B]**	0.26	0.15	**0.60[B]**	0.34	**0.98[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**1,400[B]**	**3,300[B]**	**23[B]**	**14[B]**	**80[B]**	**88[B]**	**80[B]**	**20[B]**	**180[B]**	**32[B]**	**100[B]**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.35
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-2C (Continued)					MW14-1A														
Sample Date				29-Aug-19	15-Nov-19	22-Apr-20	4-Aug-20	3-May-21	10-Oct-14	2-Dec-14	27-Jan-15	11-May-15	11-Sep-15	23-Oct-15	26-Nov-15	16-Dec-15	10-Mar-16	29-Jul-16	25-Apr-17	2-Aug-17	24-Oct-17	5-Jun-18	20-Sep-18	19-Nov-19
Sample ID				MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																				
General Chemistry																							
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																							
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW12-2C (Continued)					MW14-1A														
Sample Date				29-Aug-19	15-Nov-19	22-Apr-20	4-Aug-20	3-May-21	10-Oct-14	2-Dec-14	27-Jan-15	11-May-15	11-Sep-15	23-Oct-15	26-Nov-15	16-Dec-15	10-Mar-16	29-Jul-16	25-Apr-17	2-Aug-17	24-Oct-17	5-Jun-18	20-Sep-18	19-Nov-19
Sample ID				MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW12-2C	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A	MW14-1A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**50[B]**	1.0	<0.50	**3.2[B]**	**3,300[B]**	**1,000[B]**	**31,000[B]**	**32,000[B]**	**30,000[B]**	**42,000[B]**	**50,000[B]**	**49,000[B]**	**55,000[B]**	**120,000[B]**	**45,000[B]**	**71,000[B]**	**32,000[B]**	**220,000[B]**	**350,000[B]**	**390,000[B]**	**17,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**6.2[B]**	**7.8[B]**	**24[B]**	0.23	**120,000[B]**	**6,400[B]**	**130,000[B]**	**130,000[B]**	**69,000[B]**	**52,000[B]**	**62,000[B]**	**65,000[B]**	**73,000[B]**	**38,000[B]**	**42,000[B]**	**27,000[B]**	**14,000[B]**	**11,000[B]**	**3,800[B]**	**9,800[B]**	**7.6[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**5.8[B]**	**2.1[B]**	**5.5[B]**	0.37	**40,000[B]**	**1,800[B]**	**35,000[B]**	**49,000[B]**	**38,000[B]**	**62,000[B]**	**90,000[B]**	**44,000[B]**	**91,000[B]**	**75,000[B]**	**98,000[B]**	**69,000[B]**	**30,000[B]**	**20,000[B]**	**13,000[B]**	**9,100[B]**	**57[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**24[B]**	0.41	<0.20	**4.7[B]**	**24[B]**	**130[B]**	**230[B]**	**630[B]**	**1,700[B]**	**1,100[B]**	**2,000[B]**	**2,900[B]**	**3,100[B]**	**2,800[B]**	**2,200[B]**	**1,800[B]**	**500[B]**	**1,400[B]**	**8,500[B]**	**17,000[B]**	**3,900[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW14-1A (Continued)		MW14-1B									MW14-2	
Sample Date				21-Apr-20	9-Mar-21	10-Oct-14	2-Dec-14	28-Jan-15	11-May-15	11-Sep-15	23-Oct-15	26-Nov-15	16-Dec-15	29-Jul-16	10-Oct-14	2-Dec-14
Sample ID				MW14-1A	MW14-1A	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-2	MW14-2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS													
General Chemistry																
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420$_{c7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150$_{c15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500$_{c8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500$_{c10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW14-1A (Continued)		MW14-1B									MW14-2	
Sample Date				21-Apr-20	9-Mar-21	10-Oct-14	2-Dec-14	28-Jan-15	11-May-15	11-Sep-15	23-Oct-15	26-Nov-15	16-Dec-15	29-Jul-16	10-Oct-14	2-Dec-14
Sample ID				MW14-1A	MW14-1A	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-1B	MW14-2	MW14-2
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS													
Polycyclic Aromatic Hydrocarbons																
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**17,000[B]**	**2,800[B]**	**12,000[B]**	**23,000[B]**	**19,000[B]**	**19,000[B]**	**20,000[B]**	**140,000[B]**	**47,000[B]**	**39,000[B]**	**34,000[B]**	**3,200[B]**	**5,500[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**1.5[B]**	**1,600[B]**	**31,000[B]**	**74,000[B]**	**160,000[B]**	**88,000[B]**	**110,000[B]**	**88,000[B]**	**73,000[B]**	**96,000[B]**	**89,000[B]**	**5,500[B]**	**4,900[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4.0[B]**	**960[B]**	**18,000[B]**	**28,000[B]**	**28,000[B]**	**35,000[B]**	**35,000[B]**	**32,000[B]**	**23,000[B]**	**30,000[B]**	**28,000[B]**	**3,600[B]**	**4,900[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**12,000[B]**	**1,200[B]**	**1,000[B]**	**5,600[B]**	**2,600[B]**	**2,200[B]**	**2,900[B]**	**6,600[B]**	**3,000[B]**	**1,800[B]**	**1,900[B]**	**450[B]**	**230[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW14-2 (Continued)								MW14-3									MW14-4	
Sample Date				27-Jan-15	11-May-15	11-Sep-15	22-Oct-15	26-Nov-15	17-Dec-15	11-Mar-16	28-Jul-16	10-Oct-14	28-Jan-15	12-May-15	11-Sep-15	22-Oct-15	25-Nov-15	17-Dec-15	11-Mar-16	28-Jul-16	10-Oct-14	28-Jan-15
Sample ID				MW14-2	MW14-2	MW14-2	MW14-2	MW14-2	MW14-2	MW14-2	MW14-2	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-4	MW14-4
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
General Chemistry																						
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																						
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW14-2 (Continued)								MW14-3									MW14-4	
Sample Date				27-Jan-15	11-May-15	11-Sep-15	22-Oct-15	26-Nov-15	17-Dec-15	11-Mar-16	28-Jul-16	10-Oct-14	28-Jan-15	12-May-15	11-Sep-15	22-Oct-15	25-Nov-15	17-Dec-15	11-Mar-16	28-Jul-16	10-Oct-14	28-Jan-15
Sample ID				MW14-2	MW14-2	MW14-2	MW14-2	MW14-2	MW14-2	MW14-2	MW14-2	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-3	MW14-4	MW14-4
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			
Polycyclic Aromatic Hydrocarbons																						
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**3,500[B]**	**2,600[B]**	**1,900[B]**	**11,000[B]**	**7,700[B]**	**22,000[B]**	**6,200[B]**	**5,200[B]**	**9,200[B]**	**1,400[B]**	**2,900[B]**	**16[B]**	**7.3[B]**	**190[B]**	**220[B]**	**44[B]**	**5.6[B]**	**26,000[B]**	**41,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**4,200[B]**	**4,600[B]**	**14,000[B]**	**11,000[B]**	**2,900[B]**	**6,000[B]**	**2,700[B]**	**8,100[B]**	**16,000[B]**	**4,300[B]**	**15,000[B]**	**820[B]**	**250[B]**	**650[B]**	**280[B]**	**290[B]**	**170[B]**	**140,000[B]**	**130,000[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4,100[B]**	**3,000[B]**	**7,000[B]**	**8,900[B]**	**1,900[B]**	**23,000[B]**	**4,900[B]**	**9,400[B]**	**1,400[B]**	**230[B]**	**710[B]**	**34[B]**	**16[B]**	**76[B]**	**41[B]**	**20[B]**	**18[B]**	**51,000[B]**	**57,000[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**610[B]**	**550[B]**	**270[B]**	**480[B]**	**790[B]**	**750[B]**	**540[B]**	**190[B]**	**3,000[B]**	**41[B]**	**1,100[B]**	**0.82[B]**	0.21	**20[B]**	**2.8[B]**	**4.0[B]**	0.20	**5,500[B]**	**7,600[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW14-4 (Continued)							MW16-01										MW16-02
Sample Date				12-May-15	11-Sep-15	22-Oct-15	26-Nov-15	17-Dec-15	11-Mar-16	28-Jul-16	11-Nov-16	26-Apr-17	1-Aug-17	24-Oct-17	28-Feb-18	6-Jun-18	20-Sep-18	29-Aug-19	14-Nov-19	20-Apr-20	24-Oct-16
Sample ID				MW14-4	MW14-4	MW14-4	MW14-4	MW14-4	MW14-4	MW14-4	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-02
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																		
General Chemistry																					
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																					
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																					
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW14-4 (Continued)							MW16-01										MW16-02
Sample Date				12-May-15	11-Sep-15	22-Oct-15	26-Nov-15	17-Dec-15	11-Mar-16	28-Jul-16	11-Nov-16	26-Apr-17	1-Aug-17	24-Oct-17	28-Feb-18	6-Jun-18	20-Sep-18	29-Aug-19	14-Nov-19	20-Apr-20	24-Oct-16
Sample ID				MW14-4	MW14-4	MW14-4	MW14-4	MW14-4	MW14-4	MW14-4	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-01	MW16-02
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																		
Polycyclic Aromatic Hydrocarbons																					
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																					
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**36,000[B]**	**34,000[B]**	**42,000[B]**	**26,000[B]**	**29,000[B]**	**34,000[B]**	**40,000[B]**	0.32	**8,300[B]**	**3,400[B]**	**3,300[B]**	**2,800[B]**	**1,700[B]**	**2,600[B]**	**810[B]**	**250[B]**	**8.3[B]**	**59[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**99,000[B]**	**34,000[B]**	**44,000[B]**	**51,000[B]**	**38,000[B]**	**49,000[B]**	**23,000[B]**	**2.7[B]**	**1,300[B]**	**18,000[B]**	**17,000[B]**	**17,000[B]**	**3,500[B]**	<0.20	**14[B]**	**6.7[B]**	**6.8[B]**	**68[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**47,000[B]**	**32,000[B]**	**48,000[B]**	**26,000[B]**	**38,000[B]**	**43,000[B]**	**25,000[B]**	**1.3[B]**	**3,200[B]**	**6,000[B]**	**5,800[B]**	**4,700[B]**	**1,800[B]**	**410[B]**	**64[B]**	**22[B]**	**8.6[B]**	**160[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**7,100[B]**	**8,000[B]**	**8,400[B]**	**5,000[B]**	**9,000[B]**	**8,300[B]**	**9,800[B]**	<0.20	**1,200[B]**	**200[B]**	**190[B]**	**200[B]**	**74[B]**	**52[B]**	**420[B]**	**170[B]**	**5.6[B]**	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW16-02 (Continued)									MW16-03											MW19-01A
Sample Date				26-Apr-17	4-Aug-17	25-Oct-17	26-Feb-18	13-Apr-18	5-Jun-18	24-Oct-16	24-Oct-16		26-Apr-17	2-Aug-17	27-Oct-17	28-Feb-18	20-Apr-18	6-Jun-18	14-Mar-19	27-Aug-19	19-Nov-19	28-Apr-20	5-Mar-21	14-Mar-19
Sample ID				MW16-02	MW16-02	MW16-02	MW16-02	MW16-02	MW16-02	MW16-03	MW16-03		MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW19-01A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS								Field Duplicate	(%)												
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW16-02 (Continued)									MW16-03											
Sample Date				26-Apr-17	4-Aug-17	25-Oct-17	26-Feb-18	13-Apr-18	5-Jun-18	24-Oct-16	24-Oct-16		26-Apr-17	2-Aug-17	27-Oct-17	28-Feb-18	20-Apr-18	6-Jun-18	14-Mar-19	27-Aug-19	19-Nov-19	28-Apr-20	5-Mar-21	14-Mar-19
Sample ID				MW16-02	MW16-02	MW16-02	MW16-02	MW16-02	MW16-02	MW16-03	MW16-03		MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW16-03	MW19-01A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS								Field Duplicate	(%)												
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**270[B]**	**430[B]**	**500[B]**	**330[B]**	**290[B]**	**230[B]**	**14,000[B]**	**14,000[B]**	nc	**10,000[B]**	**12,000[B]**	**9,000[B]**	**2,200[B]**	**2,000[B]**	**2,000[B]**	**2,200[B]**	**5,700[B]**	**1,600[B]**	**1,800[B]**	**3,200[B]**	**110[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**29[B]**	**13[B]**	**8.8[B]**	**5.0[B]**	**7.2[B]**	**4.4[B]**	**23,000[B]**	**23,000[B]**	nc	**31,000[B]**	**23,000[B]**	**13,000[B]**	**150,000[B]**	**160,000[B]**	**99,000[B]**	**110,000[B]**	**13,000[B]**	**95,000[B]**	**71,000[B]**	**140,000[B]**	**340[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**13[B]**	**2.3[B]**	**1.3[B]**	**1.4[B]**	**2.3[B]**	**3.3[B]**	**30,000[B]**	**31,000[B]**	nc	**28,000[B]**	**33,000[B]**	**25,000[B]**	**54,000[B]**	**55,000[B]**	**57,000[B]**	**42,000[B]**	**23,000[B]**	**35,000[B]**	**29,000[B]**	**49,000[B]**	**95[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	***<4.0***	<0.40	0.23	**0.59[B]**	**2.6[B]**	**2,900[B]**	**2,900[B]**	nc	**1,700[B]**	**1,500[B]**	**830[B]**	**190[B]**	**110[B]**	**140[B]**	**45[B]**	**59[B]**	**27[B]**	**31[B]**	**80[B]**	**3.3[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-01A (Continued)				MW19-01B				MW19-02A						MW19-02B					MW19-03A	
Sample Date				29-Aug-19	3-Sep-19	15-Nov-19	28-Apr-20	20-Mar-19	29-Aug-19	15-Nov-19	28-Apr-20	13-Mar-19	30-Aug-19	15-Nov-19	28-Apr-20	25-Sep-20	8-Mar-21	13-Mar-19	29-Aug-19	15-Nov-19	28-Apr-20	8-Mar-21	14-Mar-19	30-Aug-19
Sample ID				MW19-01A	MW19-01A	MW19-01A	MW19-01A	MW19-01B	MW19-01B	MW19-01B	MW19-01B	MW19-02A	MW19-02A	MW19-02A	MW19-02A	MW19-02A	MW19-02A	MW19-02B	MW19-02B	MW19-02B	MW19-02B	MW19-02B	MW19-03A	MW19-03A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG				HISTWG				HISTWG						HISTWG						
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-01A (Continued)				MW19-01B				MW19-02A						MW19-02B					MW19-03A	
Sample Date				29-Aug-19	3-Sep-19	15-Nov-19	28-Apr-20	20-Mar-19	29-Aug-19	15-Nov-19	28-Apr-20	13-Mar-19	30-Aug-19	15-Nov-19	28-Apr-20	25-Sep-20	8-Mar-21	13-Mar-19	29-Aug-19	15-Nov-19	28-Apr-20	8-Mar-21	14-Mar-19	30-Aug-19
Sample ID				MW19-01A	MW19-01A	MW19-01A	MW19-01A	MW19-01B	MW19-01B	MW19-01B	MW19-01B	MW19-02A	MW19-02A	MW19-02A	MW19-02A	MW19-02A	MW19-02A	MW19-02B	MW19-02B	MW19-02B	MW19-02B	MW19-02B	MW19-03A	MW19-03A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**570[B]**	**19,000[B]**	**360[B]**	**91[B]**	<0.50	**14[B]**	<0.50	<0.50	**140[B]**	**880[B]**	**510[B]**	**75[B]**	**230[B]**	**320[B]**	**880[B]**	**360[B]**	**1,700[B]**	**2,000[B]**	**1,100[B]**	**3,500[B]**	**7,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**100[B]**	**28[B]**	**18[B]**	**200[B]**	0.49	**3.6[B]**	<0.20	0.25	**330[B]**	**120[B]**	**1,000[B]**	**52[B]**	**74[B]**	**70[B]**	**23[B]**	**4.2[B]**	**1.3[B]**	**1.7[B]**	**1.1[B]**	**2,800[B]**	**5,700[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**47[B]**	**47[B]**	**30[B]**	**150[B]**	**0.52[B]**	**3.9[B]**	0.34	0.36	**92[B]**	**90[B]**	**390[B]**	**26[B]**	**33[B]**	**37[B]**	**42[B]**	**5.1[B]**	**2.1[B]**	**8.8[B]**	**2.2[B]**	**2,100[B]**	**9,500[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**270[B]**	**1,800[B]**	**130[B]**	**3.5[B]**	<0.20	0.25	<0.20	<0.20	**50[B]**	**270[B]**	**100[B]**	**14[B]**	**62[B]**	**96[B]**	**310[B]**	**480[B]**	**1,500[B]**	**1,400[B]**	**910[B]**	**1,100[B]**	**300[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-03A (Continued)			MW19-03B					MW19-04A						MW19-04B						MW19-05A
Sample Date				14-Nov-19	28-Apr-20	8-Mar-21	14-Mar-19	30-Aug-19	14-Nov-19	28-Apr-20	8-Mar-21	14-Mar-19	30-Aug-19	14-Nov-19	23-Apr-20	25-Sep-20	8-Mar-21	14-Mar-19	30-Aug-19	13-Nov-19	23-Apr-20	20-Oct-20	10-Mar-21	1-Mar-19
Sample ID				MW19-03A	MW19-03A	MW19-03A	MW19-03B	MW19-03B	MW19-03B	MW19-03B	MW19-03B	MW19-04A	MW19-04A	MW19-04A	MW19-04A	MW19-04A	MW19-04A	MW19-04B	MW19-04B	MW19-04B	MW19-04B	MW19-04B	MW19-04B	MW19-05A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-03A (Continued)			MW19-03B					MW19-04A						MW19-04B						MW19-05A
Sample Date				14-Nov-19	28-Apr-20	8-Mar-21	14-Mar-19	30-Aug-19	14-Nov-19	28-Apr-20	8-Mar-21	14-Mar-19	30-Aug-19	14-Nov-19	23-Apr-20	25-Sep-20	8-Mar-21	14-Mar-19	30-Aug-19	13-Nov-19	23-Apr-20	20-Oct-20	10-Mar-21	1-Mar-19
Sample ID				MW19-03A	MW19-03A	MW19-03A	MW19-03B	MW19-03B	MW19-03B	MW19-03B	MW19-03B	MW19-04A	MW19-04A	MW19-04A	MW19-04A	MW19-04A	MW19-04A	MW19-04B	MW19-04B	MW19-04B	MW19-04B	MW19-04B	MW19-04B	MW19-05A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**2,400[B]**	**5,300[B]**	**8,100[B]**	**15[B]**	**39[B]**	**3.6[B]**	**7.7[B]**	**9.9[B]**	**7,300[B]**	**9,200[B]**	**11,000[B]**	**50,000[B]**	**45,000[B]**	**51,000[B]**	**910[B]**	**51[B]**	**7.8[B]**	0.58	**190[B]**	**63[B]**	**7,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**1,300[B]**	**1,600[B]**	**330[B]**	**0.96[B]**	**46[B]**	0.46	**2.0[B]**	**2.2[B]**	**190,000[B]**	**890[B]**	**30,000[B]**	**180,000[B]**	**97,000[B]**	**120,000[B]**	**18[B]**	**17[B]**	**5.3[B]**	**1.6[B]**	**900[B]**	**150[B]**	**17,000[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**1,500[B]**	**2,400[B]**	**210[B]**	**4.3[B]**	**58[B]**	**1.7[B]**	**3.5[B]**	**2.9[B]**	**26,000[B]**	**650[B]**	**4,100[B]**	**89,000[B]**	**86,000[B]**	**76,000[B]**	**69[B]**	**29[B]**	**3.9[B]**	**0.57[B]**	**1,200[B]**	**76[B]**	**1,200[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**480[B]**	**680[B]**	**2,200[B]**	**0.91[B]**	**4.5[B]**	**2.7[B]**	**2.6[B]**	**2.4[B]**	**1,200[B]**	**2,800[B]**	**600[B]**	**6,400[B]**	**3,900[B]**	**3,600[B]**	**580[B]**	**2.6[B]**	**0.82[B]**	0.21	**5.1[B]**	**1.7[B]**	**2,300[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-05A (Continued)				MW19-05B					MW19-06A				MW19-06B				MW19-07A			
Sample Date				30-Aug-19	13-Nov-19	23-Apr-20	8-Mar-21	1-Mar-19	30-Aug-19	13-Nov-19	23-Apr-20	8-Mar-21	1-Mar-19	30-Aug-19	13-Nov-19	23-Apr-20	1-Mar-19	30-Aug-19	13-Nov-19	23-Apr-20	15-Mar-19	27-Aug-19	13-Nov-19	15-Apr-20
Sample ID				MW19-05A	MW19-05A	MW19-05A	MW19-05A	MW19-05B	MW19-05B	MW19-05B	MW19-05B	MW19-05B	MW19-06A	MW19-06A	MW19-06A	MW19-06A	MW19-06B	MW19-06B	MW19-06B	MW19-06B	MW19-07A	MW19-07A	MW19-07A	MW19-07A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order				HISTWG																				
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-05A (Continued)				MW19-05B					MW19-06A				MW19-06B				MW19-07A			
Sample Date				30-Aug-19	13-Nov-19	23-Apr-20	8-Mar-21	1-Mar-19	30-Aug-19	13-Nov-19	23-Apr-20	8-Mar-21	1-Mar-19	30-Aug-19	13-Nov-19	23-Apr-20	1-Mar-19	30-Aug-19	13-Nov-19	23-Apr-20	15-Mar-19	27-Aug-19	13-Nov-19	15-Apr-20
Sample ID				MW19-05A	MW19-05A	MW19-05A	MW19-05A	MW19-05B	MW19-05B	MW19-05B	MW19-05B	MW19-05B	MW19-06A	MW19-06A	MW19-06A	MW19-06A	MW19-06B	MW19-06B	MW19-06B	MW19-06B	MW19-07A	MW19-07A	MW19-07A	MW19-07A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**4,400[B]**	**6,800[B]**	**11,000[B]**	1.1	**2,100[B]**	**2.2[B]**	**6.7[B]**	**2.0[B]**	**1.9[B]**	**62[B]**	**16[B]**	**24[B]**	**18[B]**	<0.50	<0.50	**5.0[B]**	<0.50	<0.50	**2.8[B]**	0.67	0.95
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**62,000[B]**	**180,000[B]**	**180,000[B]**	**35[B]**	**39[B]**	<0.20	**16[B]**	**1.8[B]**	**28[B]**	0.44	**2.2[B]**	0.39	0.49	**0.86[B]**	0.27	0.36	**1.2[B]**	0.23	<0.20	<0.20	**5.2[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**14,000[B]**	**24,000[B]**	**37,000[B]**	**2.7[B]**	**77[B]**	**1.5[B]**	**0.68[B]**	0.27	**2.7[B]**	**1.2[B]**	**2.6[B]**	**2.2[B]**	**2.8[B]**	<0.20	**1.4[B]**	0.33	0.27	<0.20	**0.51[B]**	0.23	0.33
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**510[B]**	**540[B]**	**1,600[B]**	**1.1[B]**	**1,500[B]**	**2.7[B]**	**11[B]**	**4.7[B]**	**2.8[B]**	**140[B]**	**6.4[B]**	**7.3[B]**	**6.9[B]**	<0.20	<0.20	**2.1[B]**	<0.20	<0.20	0.23	<0.20	<0.20
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-07B				MW19-08A					MW19-08B					MW19-09A					MW19-09B	
Sample Date				15-Mar-19	27-Aug-19	13-Nov-19	15-Apr-20	1-Mar-19	3-Sep-19	15-Nov-19	15-Apr-20	4-Mar-21	1-Mar-19	27-Aug-19	14-Nov-19	21-Apr-20	10-Mar-21	1-Mar-19	3-Sep-19	13-Nov-19	22-Apr-20	4-Mar-21	1-Mar-19	3-Sep-19
Sample ID				MW19-07B	MW19-07B	MW19-07B	MW19-07B	MW19-08A	MW19-08A	MW19-08A	MW19-08A	MW19-08A	MW19-08B	MW19-08B	MW19-08B	MW19-08B	MW19-08B	MW19-09A	MW19-09A	MW19-09A	MW19-09A	MW19-09A	MW19-09B	MW19-09B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS																					
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-07B				MW19-08A					MW19-08B					MW19-09A					MW19-09B	
Sample Date				15-Mar-19	27-Aug-19	13-Nov-19	15-Apr-20	1-Mar-19	3-Sep-19	15-Nov-19	15-Apr-20	4-Mar-21	1-Mar-19	27-Aug-19	14-Nov-19	21-Apr-20	10-Mar-21	1-Mar-19	3-Sep-19	13-Nov-19	22-Apr-20	4-Mar-21	1-Mar-19	3-Sep-19
Sample ID				MW19-07B	MW19-07B	MW19-07B	MW19-07B	MW19-08A	MW19-08A	MW19-08A	MW19-08A	MW19-08A	MW19-08B	MW19-08B	MW19-08B	MW19-08B	MW19-08B	MW19-09A	MW19-09A	MW19-09A	MW19-09A	MW19-09A	MW19-09B	MW19-09B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Laboratory Work Order																								
Sample Type	Units	Site Specific	Ontario SCS																					
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	<0.50	0.53	<0.50	0.66	<0.50	**2.9[B]**	**8.2[B]**	**6.9[B]**	**7.0[B]**	<0.50	**25[B]**	**36[B]**	**10[B]**	**4.9[B]**	**3,300[B]**	**9,000[B]**	**19,000[B]**	**4,000[B]**	**1,700[B]**	**420[B]**	**83,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	0.39	0.27	<0.20	<0.20	<0.20	0.27	<0.20	<0.20	0.23	**1.1[B]**	<0.20	**0.69[B]**	**1.2[B]**	<0.20	**420[B]**	**22[B]**	**25[B]**	**6.0[B]**	**9.5[B]**	**3,000[B]**	**2.7[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	<0.20	<0.20	0.26	0.28	<0.20	0.48	**1.1[B]**	**0.69[B]**	**0.89[B]**	**0.65[B]**	**4.2[B]**	**2.9[B]**	**2.2[B]**	**1.6[B]**	**490[B]**	**21[B]**	**30[B]**	**8.2[B]**	**9.5[B]**	**560[B]**	**6.0[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**2.1[B]**	**580[B]**	**5,900[B]**	**9,000[B]**	**4,000[B]**	**1,600[B]**	**54[B]**	**13,000[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-09B (Continued)			MW19-10A				MW19-10B				MW19-11A					MW19-11B				
Sample Date				13-Nov-19	22-Apr-20	4-Mar-21	1-Mar-19	27-Aug-19	13-Nov-19	22-Apr-20	1-Mar-19	30-Aug-19	14-Nov-19	22-Apr-20	11-Apr-19	30-Aug-19	15-Nov-19	21-Apr-20	10-Mar-21	26-Mar-19	30-Aug-19	30-Aug-19		15-Nov-19
Sample ID				MW19-09B	MW19-09B	MW19-09B	MW19-10A	MW19-10A	MW19-10A	MW19-10A	MW19-10B	MW19-10B	MW19-10B	MW19-10B	MW19-11A	MW19-11A	MW19-11A	MW19-11A	MW19-11A	MW19-11B	MW19-11B	MW19-11B		MW19-11B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			Field Duplicate	(%)	
General Chemistry																								
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																								
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-09B (Continued)			MW19-10A				MW19-10B				MW19-11A					MW19-11B				
Sample Date				13-Nov-19	22-Apr-20	4-Mar-21	1-Mar-19	27-Aug-19	13-Nov-19	22-Apr-20	1-Mar-19	30-Aug-19	14-Nov-19	22-Apr-20	11-Apr-19	30-Aug-19	15-Nov-19	21-Apr-20	10-Mar-21	26-Mar-19	30-Aug-19	30-Aug-19		15-Nov-19
Sample ID				MW19-09B	MW19-09B	MW19-09B	MW19-10A	MW19-10A	MW19-10A	MW19-10A	MW19-10B	MW19-10B	MW19-10B	MW19-10B	MW19-11A	MW19-11A	MW19-11A	MW19-11A	MW19-11A	MW19-11B	MW19-11B	MW19-11B		MW19-11B
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG
Sample Type	Units	Site Specific	Ontario SCS																			Field Duplicate	(%)	
Polycyclic Aromatic Hydrocarbons																								
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																								
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**46,000[B]**	**1,500[B]**	**150[B]**	**1,200[B]**	**17,000[B]**	**7,300[B]**	**4,700[B]**	**440[B]**	**390[B]**	**230[B]**	**2,000[B]**	**11[B]**	**550[B]**	**290[B]**	**11[B]**	**36[B]**	**210[B]**	**26,000[B]**	**27,000[B]**	nc	**30,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**3,400[B]**	**87[B]**	**140[B]**	**27,000[B]**	**22,000[B]**	**4,400[B]**	**24,000[B]**	**78,000[B]**	**130[B]**	**1,500[B]**	**1,900[B]**	**81[B]**	**1.1[B]**	**0.62[B]**	0.37	0.38	**7.1[B]**	**4.9[B]**	**69[B]**	nc	**85[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**4,900[B]**	**330[B]**	**63[B]**	**5,300[B]**	**3,600[B]**	**5,100[B]**	**10,000[B]**	**6,500[B]**	**120[B]**	**220[B]**	**770[B]**	**6.4[B]**	**3.1[B]**	**4.7[B]**	**0.53[B]**	**3.1[B]**	**6.6[B]**	**64[B]**	**400[B]**	nc	**470[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**7,200[B]**	**670[B]**	**52[B]**	**64[B]**	**12[B]**	**2.8[B]**	**2.8[B]**	***<100***	**1.0[B]**	**6.6[B]**	**13[B]**	**4.5[B]**	**15[B]**	**17[B]**	**34[B]**	**49[B]**	**160[B]**	**2,500[B]**	**1,500[B]**	nc	**5,800[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-11B (Continued)		MW19-12A					MW19-12B							MW19-13A				
Sample Date				21-Apr-20	10-Mar-21	11-Apr-19	3-Sep-19	19-Nov-19	20-Apr-20	5-Mar-21	11-Apr-19	3-Sep-19	19-Nov-19	19-Nov-19		20-Apr-20	5-Mar-21	11-Apr-19	3-Sep-19	19-Nov-19	20-Apr-20	9-Mar-21
Sample ID				MW19-11B	MW19-11B	MW19-12A	MW19-12A	MW19-12A	MW19-12A	MW19-12A	MW19-12B	MW19-12B	MW19-12B	MW19-12B		MW19-12B	MW19-12B	MW19-13A	MW19-13A	MW19-13A	MW19-13A	MW19-13A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS											Field Duplicate	(%)							
General Chemistry																						
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																						
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420_{c7}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150_{c15}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500_{c8}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500_{c10}[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metals																						
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-11B (Continued)		MW19-12A					MW19-12B							MW19-13A				
Sample Date				21-Apr-20	10-Mar-21	11-Apr-19	3-Sep-19	19-Nov-19	20-Apr-20	5-Mar-21	11-Apr-19	3-Sep-19	19-Nov-19	19-Nov-19		20-Apr-20	5-Mar-21	11-Apr-19	3-Sep-19	19-Nov-19	20-Apr-20	9-Mar-21
Sample ID				MW19-11B	MW19-11B	MW19-12A	MW19-12A	MW19-12A	MW19-12A	MW19-12A	MW19-12B	MW19-12B	MW19-12B	MW19-12B		MW19-12B	MW19-12B	MW19-13A	MW19-13A	MW19-13A	MW19-13A	MW19-13A
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG
Sample Type	Units	Site Specific	Ontario SCS											Field Duplicate	(%)							
Polycyclic Aromatic Hydrocarbons																						
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds																						
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**14,000[B]**	**46,000[B]**	**6,600[B]**	**5,000[B]**	**4,200[B]**	**1,700[B]**	**26,000[B]**	**9,900[B]**	**500[B]**	**510[B]**	**460[B]**	nc	**44,000[B]**	**62,000[B]**	**12,000[B]**	**49,000[B]**	**86,000[B]**	**120,000[B]**	**120,000[B]**
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**60,000[B]**	**400[B]**	**100[B]**	**6.5[B]**	**82[B]**	**30[B]**	**940[B]**	**10[B]**	**2.3[B]**	**5.9[B]**	**6.4[B]**	nc	**130,000[B]**	**95,000[B]**	**100[B]**	**17[B]**	**23[B]**	**9.6[B]**	**80[B]**
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**16,000[B]**	**6,700[B]**	**440[B]**	**42[B]**	**52[B]**	**81[B]**	**6,000[B]**	**400[B]**	**12[B]**	**19[B]**	**16[B]**	nc	**55,000[B]**	**31,000[B]**	**1,700[B]**	**200[B]**	**200[B]**	**130[B]**	**50[B]**
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**1,700[B]**	**5,000[B]**	**660[B]**	**440[B]**	**510[B]**	**240[B]**	**2,300[B]**	**2,200[B]**	**160[B]**	**130[B]**	**120[B]**	nc	**6,800[B]**	**11,000[B]**	**200[B]**	**870[B]**	**1,600[B]**	**2,600[B]**	**16,000[B]**
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-13B					MW19-14A	MW21-02A			MW21-02B		
Sample Date				11-Apr-19	29-Aug-19	19-Nov-19	20-Apr-20	9-Mar-21	27-Mar-19	22-Mar-21	22-Mar-21		22-Mar-21	22-Mar-21	
Sample ID				MW19-13B	MW19-13B	MW19-13B	MW19-13B	MW19-13B	MW19-14A	MW21-02A	MW21-02A		MW21-02B	MW21-02B	
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	
Sample Type	Units	Site Specific	Ontario SCS								Field Duplicate	(%)		Field Duplicate	(%)
General Chemistry															
Chloride	mg/L	n/v	1,800[B]	-	-	-	-	-	-	-	-	-	-	-	-
Cyanide (Free)	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-
pH, lab	S.U.	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons															
PHC F1 (C6-C10 range) minus BTEX	µg/L	41,760[A]	420$_{\le 7}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
PHC F2 (>C10-C16 range)	µg/L	375,600[A]	150$_{\le 15}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
PHC F3 (>C16-C34 range)	µg/L	380,400[A]	500$_{\le 8}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
PHC F4 (>C34-C50 range)	µg/L	170,400[A]	500$_{\le 10}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Metals															
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-
Antimony	µg/L	n/v	16,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	µg/L	n/v	1,500[B]	-	-	-	-	-	-	-	-	-	-	-	-
Barium	µg/L	n/v	23,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	µg/L	n/v	53[B]	-	-	-	-	-	-	-	-	-	-	-	-
Boron	µg/L	n/v	36,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	µg/L	n/v	2.1[B]	-	-	-	-	-	-	-	-	-	-	-	-
Chromium	µg/L	n/v	640[B]	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (Hexavalent)	µg/L	n/v	110[B]	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	µg/L	n/v	52[B]	-	-	-	-	-	-	-	-	-	-	-	-
Copper	µg/L	n/v	69[B]	-	-	-	-	-	-	-	-	-	-	-	-
Lead	µg/L	n/v	20[B]	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	µg/L	n/v	0.1[B]	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	µg/L	n/v	7,300[B]	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	µg/L	n/v	390[B]	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	µg/L	n/v	50[B]	-	-	-	-	-	-	-	-	-	-	-	-
Silver	µg/L	n/v	1.2[B]	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	µg/L	n/v	1,800,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Thallium	µg/L	n/v	400[B]	-	-	-	-	-	-	-	-	-	-	-	-
Uranium	µg/L	n/v	330[B]	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	µg/L	n/v	200[B]	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	µg/L	n/v	890[B]	-	-	-	-	-	-	-	-	-	-	-	-

See notes in last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				MW19-13B					MW19-14A	MW21-02A			MW21-02B		
Sample Date				11-Apr-19	29-Aug-19	19-Nov-19	20-Apr-20	9-Mar-21	27-Mar-19	22-Mar-21	22-Mar-21		22-Mar-21	22-Mar-21	
Sample ID				MW19-13B	MW19-13B	MW19-13B	MW19-13B	MW19-13B	MW19-14A	MW21-02A	MW21-02A		MW21-02B	MW21-02B	
Sampling Company				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	
Laboratory				UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	
Laboratory Work Order				HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG	HISTWG		HISTWG	HISTWG	
Sample Type	Units	Site Specific	Ontario SCS								Field Duplicate	(%)		Field Duplicate	(%)
Polycyclic Aromatic Hydrocarbons															
Acenaphthene	µg/L	n/v	17[B]	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	µg/L	6[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	µg/L	6.68[A]	1[B]	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	9.97[A]	1.8[B]	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	12.47[A]	0.81[B]	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	8.03[A]	0.75[B]	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	16[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	µg/L	8.52[A]	0.7[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	6[A]	0.4[B]	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	44[B]	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	µg/L	n/v	290[B]	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	10.2[A]	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene (Total)	µg/L	n/v	1,500$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 1-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Methylnaphthalene, 2-	µg/L	n/v	$_{s3}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/L	151[A]	7[B]	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	380[B]	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	µg/L	n/v	5.7[B]	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds															
Acetone	µg/L	n/v	100,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	2,496[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	n/v	67,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/L	n/v	0.89[B]	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/L	n/v	140[B]	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	n/v	2[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	n/v	65,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/L	n/v	150[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/L	n/v	7,600[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/L	n/v	3,500[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/L	n/v	11[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/L	168[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/L	468,000[A]	1.6[B]	**24,000[B]**	**210,000[B]**	**270,000[B]**	**69,000[B]**	**14,000[B]**	**230,000[B]**	**26[B]**	**66[B]**	nc	**20[B]**	**81[B]**	nc
Dichloroethene, trans-1,2-	µg/L	1,080[A]	1.6[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/L	4[A]	0.58[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	n/v	0.5$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/L	n/v	$_{s11}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	192[A]	54[B]	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	n/v	0.2[B]	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/L	n/v	5[B]	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	n/v	21,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5,200[B]	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/L	n/v	15[B]	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/L	n/v	26[B]	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	n/v	43[B]	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/L	n/v	1.1[B]	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/L	6[A]	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/L	552,000[A]	0.5[B]	**25,000[B]**	**110[B]**	**70[B]**	**1.4[B]**	**61[B]**	**28,000[B]**	**9.0[B]**	**60[B]**	nc	**12[B]**	**2,800[B]**	nc
Toluene	µg/L	2,064[A]	320[B]	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/L	n/v	23[B]	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/L	n/v	0.5[B]	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/L	117,600[A]	0.5[B]	**48,000[B]**	**1,600[B]**	**1,700[B]**	**26[B]**	**46[B]**	**13,000[B]**	**9.1[B]**	**52[B]**	nc	**5.1[B]**	**210[B]**	nc
Trichlorofluoromethane (Freon 11)	µg/L	n/v	2,000[B]	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	181,085[A]	0.5[B]	**1,600[B]**	**3,800[B]**	**25,000[B]**	**44,000[B]**	**4,900[B]**	**20,000[B]**	**2.5[B]**	**2.2[B]**	nc	**8.1[B]**	**22[B]**	nc
Xylene, m & p-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/L	n/v	$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	672[A]	72$_{s1}$[B]	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page

Table IIIb
Summary of Historical Groundwater Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Notes:

Site Specific	Stante[illegible]rty Specific Standard from Risk Assessment
A	Site S[illegible]
Ontario SCS	Soil, G[illegible]Water and Sediment Standards for Use under Part XV.I of the Environmental Protection Act (MOE, 2011) Site Condition Standards (SCS)
B	Table 7 - All Types of Property Use - Coarse Textured Soils
6.5[B]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
<0.50	Laboratory reporting limit was greater than the applicable standard.
<0.03	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
s1	Standard is applicable to total xylenes, and m & p-xylenes and o-xylenes should be summed for comparison.
s3	Standard is applicable to both 1-methylnaphthalene and 2-methylnaphthalene, with the provision that if both are detected the sum of the two must not exceed the standard.
s7	Standard is applicable to PHC in the F1 range minus BTEX.
s8	Standard is applicable to PHC in the F3 range, minus PAHs (other than naphthalene). If PAHs were not analyzed, the standard is applied to F3.
s10	If baseline is not reached during F4 analysis, then gravimetric analysis is to be performed, and the standard is applied to the higher of the two results.
s11	Standard is applicable to 1,3-Dichloropropene, and the individual isomers (cis + trans) should be added for comparison.
s15	Standard is applicable to PHC in the F2 range minus naphthalene. If naphthalene was not analyzed, the standard is applied to F2.
GEN9	Elevated reporting limits due to the nature of the sample matrix.
POS	Product was observed in the sample container.
SSO	A surface sheen was observed in the sample container.
VOCL	VOC result based on an analysis taken from a previously analyzed sample vial (due to multiple dilutions). Results may be biased low.
RPD	Relative Percent Difference.
61%	RPD exceeds data quality objective of (Source: Bureau Veritas Ontario QA/QC Interpretation Guide - Environmental Services (CAM FCD-01224/2).) 20% for Metals, Inorganics, and Mercury, Chromium VI, FOC, Chloride, Cyanide 30% for PHCs, ABNs, PAHs, OC Pesticides, PCBs, HWSB, and Methyl Mercury 50% for VOCs
nc	RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit.

Table IVa
Summary of Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP07-1			VP07-3			VP12-1			VP12-2					VP12-3							VP14-1		
Sample Date			21-Jun-23	9-Oct-24	18-Jun-25	21-Jun-23	9-Oct-24	18-Jun-25	21-Jun-23	9-Oct-24	17-Jun-25	21-Jun-23	9-Oct-24	17-Jun-25	17-Jun-25		21-Jun-23	21-Jun-23		9-Oct-24	9-Oct-24		17-Jun-25	21-Jun-23	9-Oct-24	18-Jun-25
Sample ID			VP07-1	VP07-1/SX1951	VP07-1	VP07-3	VP07-3/SX1903	VP07-3	VP12-1	VP12-1/SX1881	VP12-1	VP12-2	VP12-2/SX1626	VP12-2	QC-01		VP12-3	QC-01		VP12-3/SX1600	QC-01/SX2209		VP12-3	VP14-1	VP14-1/SX1586	VP14-1
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC		STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV		BV	BV		BV	BV		BV	BV	BV	BV
Laboratory Work Order			C3I4573	C4V8294	C573470	C3I4573	C4V8294	C573470	C3I4573	C4V8294	C573470	C3I4573	C4V8294	C573470	C573470		C3I4573	C3I4573		C4V8294	C4V8294		C573470	C3I4573	C4V8294	C573470
Laboratory Sample ID			WES137	AFKM31	ASDW23	WES138	AFKM34	ASDW24	WES139	AFKM28	ASDW20	WES140	AFKM27	ASDW19	ASDW30		WES141	WES146		AFKM29	AFKM30		ASDW21	WES142	AFKM36	ASDW27
Sample Type	Units	Stantec Soil Vapour Criteria*													Field Duplicate	RPD (%)		Field Duplicate	RPD (%)			RPD (%)				
General Chemistry																										
Pressure on Receipt	psi	n/v	-5.4	-4.9	-3.9	-4.1	-6.2	-7.2	-4.7	-4.6	-4.6	-7.1	-4.8	-3.2	-3.5	nc	-5.4	-5.2	nc	-2.5	-2.5	nc	-3.4	-4.0	-5.6	-4.1
Petroleum Hydrocarbons																										
Aliphatic >C5-C6	µg/m3	n/v	<5.0	<5.0	<5.0	<5.0	<10	<10	7.0	<5.0	<5.0	10.4	<210	10.1	6.7	nc	<5.0	<5.0	nc	<5.0	<5.0	nc	<5.0	5.1	<5.0	5.4
Aliphatic >C6-C8	µg/m3	8,223,673[A]	<5.0	<5.0	15.8	21.5	<10	44	29.2	<5.0	70.8	51.3	<210	97.0	98.8	2%	9.2	9.5	nc	<5.0	<5.0	nc	58.7	28.3	<5.0	17.7
Aliphatic >C8-C10	µg/m3	446,939[A]	16.4	14.6	10.6	75.4	16	38	94.3	9.6	45.7	96.1	<210	42.4	48.8	14%	52.2	50.6	3%	<5.0	<5.0	nc	37.0	77.3	18.9	<5.0
Aliphatic >C10 - C12	µg/m3	446,939[A]	24.6	130	24.8	42.4	127	21	54.8	61.0	49.9	18.6	<210	37.3	81.4	**74%**	55.3	52.2	6%	8.6	8.8	nc	36.0	35.5	102	5.4
Aliphatic >C12 - C16	µg/m3	446,939[A]	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<9.5	<210	<5.0	<5.0	nc	<5.0	<5.0	nc	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0
Sum of C>8-16 Aliphatic (detected)	µg/m3	446,939[A]	41.0	144.6	35.4	117.8	143.0	59	149.1	70.6	95.6	114.7	^	79.7	130.2	48%	107.5	102.8	4%	8.6	8.8	nc	73	112.8	120.9	5.4
Sum of C>8-16 Aliphatic (incl ND = RDL)	µg/m3	446,939[A]	<46.0	<149.6	40.4	<122.8	<153	69	<154.1	<75.6	100.6	<124.2	<630	84.7	135.2	46%	<112.5	<107.8	4%	<18.6	<18.8	nc	78	117.8	<125.9	15.4
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<9.5	<210	<5.0	<5.0	nc	<5.0	<5.0	nc	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0
Aromatic >C8-C10	µg/m3	89,388[A]	<5.0	<5.0	9.5	11.8	<10	11	15.7	<5.0	24.4	12.7	<210	26.2	36.7	33%	12.6	12.3	nc	<5.0	<5.0	nc	23.9	11.5	<5.0	8.4
Aromatic >C10 - C12	µg/m3	89,388[A]	<5.0	<5.0	6.2	<5.0	<10	<10	6.8	<5.0	14.0	<9.5	<210	15.5	23.7	nc	7.3	7.3	nc	<5.0	<5.0	nc	14.8	<5.0	<5.0	<5.0
Aromatic >C12 - C16	µg/m3	89,388[A]	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	<5.0	<9.5	<210	<5.0	<5.0	nc	<5.0	<5.0	nc	<5.0	<5.0	nc	<5.0	<5.0	<5.0	<5.0
Sum of C>8-16 Aromatic (detected)	µg/m3	89,388[A]	^	^	15.7	11.8	^	11	22.5	^	38.4	12.7	^	41.7	60.4	37%	19.9	19.6	nc	^	^	nc	38.7	11.5	^	8.4
Sum of C>8-16 Aromatic (incl ND = RDL)	µg/m3	89,388[A]	<15	<15	20.7	<21.8	<30	31	<27.5	<15	43.4	<31.7	<630	46.7	65.4	33%	<24.9	<24.6	nc	<15	<15	nc	43.7	<21.5	<15	18.4

See notes on last page.

Table IVa
Summary of Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP07-1			VP07-3			VP12-1			VP12-2					VP12-3							VP14-1		
Sample Date			21-Jun-23	9-Oct-24	18-Jun-25	21-Jun-23	9-Oct-24	18-Jun-25	21-Jun-23	9-Oct-24	17-Jun-25	21-Jun-23	9-Oct-24	17-Jun-25	17-Jun-25		21-Jun-23	21-Jun-23		9-Oct-24	9-Oct-24		17-Jun-25	21-Jun-23	9-Oct-24	18-Jun-25
Sample ID			VP07-1	VP07-1/SX1951	VP07-1	VP07-3	VP07-3/SX1903	VP07-3	VP12-1	VP12-1/SX1881	VP12-1	VP12-2	VP12-2/SX1626	VP12-2	QC-01		VP12-3	QC-01		VP12-3/SX1600	QC-01/SX2209		VP12-3	VP14-1	VP14-1/SX1586	VP14-1
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC		STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV		BV	BV		BV	BV		BV	BV	BV	BV
Laboratory Work Order			C3I4573	C4V8294	C573470	C3I4573	C4V8294	C573470	C3I4573	C4V8294	C573470	C3I4573	C4V8294	C573470	C573470		C3I4573	C3I4573		C4V8294	C4V8294		C573470	C3I4573	C4V8294	C573470
Laboratory Sample ID			WES137	AFKM31	ASDW23	WES138	AFKM34	ASDW24	WES139	AFKM28	ASDW20	WES140	AFKM27	ASDW19	ASDW30		WES141	WES146		AFKM29	AFKM30		ASDW21	WES142	AFKM36	ASDW27
Sample Type	Units	Stantec Soil Vapour Criteria*													Field Duplicate	RPD (%)		Field Duplicate	RPD (%)			RPD (%)				
Volatile Organic Compounds-Calculated																										
Acetone	µg/m3	2,860,408[A]	3.2	19.1	14.8	4.5	12.4	38.2	33.6	9.0	44.0	26.9	<60	94.5	102	8%	7.7	6.2	nc	8.6	8.9	3%	39.4	11.0	9.5	52.0
Benzene	µg/m3	406[A]	0.38	<0.32	0.49	1.85	<0.64	0.88	2.84	0.32	1.65	4.27	<13	2.27	2.47	8%	1.35	1.44	nc	0.49	0.48	nc	1.26	2.25	<0.32	2.15
Benzyl Chloride	µg/m3	n/v	<2.6	<2.6	<2.6	<2.6	<5.2	<5.2	<2.6	<2.6	<2.6	<4.9	<110	<2.6	<2.6	nc	<2.6	<2.6	nc	<2.6	<2.6	nc	<2.6	<2.6	<2.6	<2.6
Bromodichloromethane	µg/m3	n/v	<1.3	<1.3	<1.3	<1.3	<2.7	<2.7	<1.3	<1.3	<1.3	<2.5	<56	<1.3	<1.3	nc	<1.3	<1.3	nc	<1.3	<1.3	nc	<1.3	<1.3	<1.3	<1.3
Bromoform (Tribromomethane)	µg/m3	13,750[A]	<2.1	<2.1	<2.1	<2.1	<4.1	<4.1	<2.1	<2.1	<2.1	<3.9	<87	<2.1	<2.1	nc	<2.1	<2.1	nc	<2.1	<2.1	nc	<2.1	<2.1	<2.1	<2.1
Bromomethane (Methyl bromide)	µg/m3	894[A]	<0.39	<0.39	<0.39	<0.39	<0.78	<0.78	<0.39	<0.39	<0.39	<0.74	<16	<0.39	<0.39	nc	<0.39	<0.39	nc	<0.39	<0.39	nc	<0.39	<0.39	<0.39	<0.39
Butadiene, 1,3-	µg/m3	n/v	<1.1	<1.1	<1.1	<1.1	<2.2	<2.2	<1.1	<1.1	<1.1	<2.1	<46	<1.1	<1.1	nc	<1.1	<1.1	nc	<1.1	<1.1	nc	<1.1	<1.1	<1.1	<1.1
Carbon Disulfide	µg/m3	n/v	8.2	3.8	3.1	5.9	<3.1	<3.1	16.2	<1.6	5.8	3.1	<65	5.0	9.7	nc	6.5	6.2	nc	<1.6	<1.6	nc	5.3	<1.6	<1.6	<1.6
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	<0.63	<0.63	<0.63	0.83	<1.3	<1.3	0.66	<0.63	<0.63	<1.2	<26	<0.63	<0.63	nc	0.68	0.66	nc	<0.63	<0.63	nc	<0.63	0.88	4.02	<0.63
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	<0.46	<0.46	<0.46	<0.46	<0.92	<0.92	<0.46	<0.46	<0.46	<0.87	<19	<0.46	<0.46	nc	<0.46	<0.46	nc	<0.46	<0.46	nc	<0.46	<0.46	<0.46	<0.46
Chloroethane (Ethyl Chloride)	µg/m3	n/v	<0.79	<0.79	<0.79	<0.79	<1.6	<1.6	<0.79	<0.79	<0.79	<1.5	<33	<0.79	<0.79	nc	<0.79	<0.79	nc	<0.79	<0.79	nc	<0.79	<0.79	<0.79	<0.79
Chloroform (Trichloromethane)	µg/m3	17,878[A]	7.85	2.65	3.16	1.77	<0.98	1.59	1.32	0.88	0.98	<0.93	41	14.3	15.7	9%	1.62	1.61	nc	<0.49	<0.49	nc	1.86	3.98	15.7	0.80
Chloromethane	µg/m3	n/v	<0.62	0.68	0.66	0.64	<1.2	<1.2	2.20	<0.62	0.74	1.5	<26	1.12	1.33	nc	0.85	0.84	nc	0.76	0.76	nc	<0.62	<0.62	<0.62	0.64
Cyclohexane	µg/m3	n/v	<0.69	<0.69	<0.69	1.40	<1.4	<1.4	0.90	<0.69	0.96	3.3	<29	1.35	1.19	nc	<1.4	<0.69	nc	<0.69	<0.69	nc	0.69	2.07	<0.69	0.87
Dibromochloromethane	µg/m3	n/v	<1.7	<1.7	<1.7	<1.7	<3.4	<3.4	<1.7	<1.7	<1.7	<3.2	<72	<1.7	<1.7	nc	<1.7	<1.7	nc	<1.7	<1.7	nc	<1.7	<1.7	<1.7	<1.7
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	<0.60	<0.60	<0.60	<0.60	<1.2	<1.2	<0.60	<0.60	<0.60	<1.1	<25	<0.60	<0.60	nc	<0.60	<0.60	nc	<0.60	<0.60	nc	<0.60	<0.60	<0.60	<0.60
Dichlorobenzene, 1,3-	µg/m3	n/v	<2.4	<2.4	<2.4	<2.4	<4.8	<4.8	<2.4	<2.4	<2.4	<4.6	<100	<2.4	<2.4	nc	<2.4	<2.4	nc	<2.4	<2.4	nc	<2.4	<2.4	<2.4	<2.4
Dichlorobenzene, 1,4-	µg/m3	223[A]	<0.60	<0.60	<0.60	<0.60	<1.2	<1.2	<0.60	<0.60	<0.60	<1.1	<25	<0.60	<0.60	nc	<0.60	<0.60	nc	<0.60	<0.60	nc	<0.60	<0.60	<0.60	1.96
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	1.82	2.36	2.55	2.14	2.3	2.6	2.05	2.36	2.51	2.9	<42	2.63	3.34	nc	2.72	3.35	nc	2.27	2.36	nc	2.37	2.40	2.39	2.57
Dichloroethane, 1,1-	µg/m3	29,498[A]	<0.40	<0.40	<0.40	0.68	<0.81	<0.81	<0.40	<0.40	<0.40	<0.77	<17	<0.40	<0.40	nc	<0.40	<0.40	nc	<0.40	<0.40	nc	<0.40	<0.40	<0.40	<0.40
Dichloroethane, 1,2-	µg/m3	34[A]	<0.40	<0.40	<0.40	<0.40	<0.81	<0.81	<0.40	<0.40	<0.40	<0.77	<17	<0.40	<0.40	nc	<0.40	<0.40	nc	<0.40	<0.40	nc	<0.40	<0.40	<0.40	0.53
Dichloroethene, 1,1-	µg/m3	35,755[A]	<0.40	<0.40	<0.40	<0.40	<0.79	<0.79	<0.40	<0.40	<0.40	<0.75	<17	<0.40	<0.40	nc	<0.40	<0.40	nc	<0.40	<0.40	nc	<0.40	<0.40	<0.40	<0.40
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	0.79	6.43	2.13	41.0	9.53	48.2	168	57.8	49.3	2.27	2,410	703	849	19%	621	692	11%	32.4	32.3	0%	245	1.38	11.1	0.57
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	<0.40	2.46	0.42	1.43	<0.79	3.90	9.56	5.85	3.41	<0.75	557	167	177	6%	16.9	16.8	1%	1.77	1.73	nc	8.18	0.83	2.64	<0.40
Dichloropropane, 1,2-	µg/m3	715[A]	<0.46	<0.46	<0.46	<0.46	<0.92	<0.92	<0.46	<0.46	<0.46	<0.88	<19	<0.46	<0.46	nc	<0.46	<0.46	nc	<0.46	<0.46	nc	<0.46	<0.46	<0.46	<0.46
Dichloropropene, cis-1,3-	µg/m3	223[A]	<0.45	<0.45	<0.45	<0.45	<0.91	<0.91	<0.45	<0.45	<0.45	<0.86	<19	<0.45	<0.45	nc	<0.45	<0.45	nc	<0.45	<0.45	nc	<0.45	<0.45	<0.45	<0.45
Dichloropropene, trans-1,3-	µg/m3	n/v	<0.45	<0.45	<0.45	<0.45	<0.91	<0.91	<0.45	<0.45	<0.45	<0.86	<19	<0.45	<0.45	nc	<0.45	<0.45	nc	<0.45	<0.45	nc	<0.45	<0.45	<0.45	<0.45
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	<1.2	<1.2	<1.2	<1.2	<2.4	<2.4	<1.2	<1.2	<1.2	<2.3	<50	<1.2	<1.2	nc	<1.2	<1.2	nc	<1.2	<1.2	nc	<1.2	<1.2	<1.2	<1.2
Dioxane, 1,4-	µg/m3	643,592[A]	<3.6	<3.6	<3.6	<3.6	<7.2	<7.2	<3.6	<3.6	<3.6	<6.8	<150	<3.6	<3.6	nc	<3.6	<3.6	nc	<3.6	<3.6	nc	<3.6	<3.6	<3.6	<3.6
Ethanol	µg/m3	n/v	8.7	96.3	3.4	7.2	78.0	5.6	8.3	45.2	4.3	19.0	<79	7.2	6.0	nc	4.0	13.6	nc	54.2	58.7	8%	3.4	8.1	65.0	433
Ethyl Acetate	µg/m3	n/v	<3.6	71.2	<3.6	25.5	55.3	<7.2	25.5	37.5	<3.6	60.5	<150	<3.6	<3.6	nc	10.6	9.9	nc	16.0	15.4	nc	<3.6	34.5	45.7	6.2
Ethylbenzene	µg/m3	357,551[A]	0.65	<0.43	2.11	4.09	<0.87	2.54	5.10	<0.43	6.97	4.37	<18	6.98	9.39	29%	3.17	2.82	12%	<0.43	<0.43	nc	6.68	4.12	<0.43	1.56
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	<0.77	<0.77	<0.77	<0.77	<1.5	<1.5	<0.77	<0.77	<0.77	<1.5	<32	<0.77	<0.77	nc	<0.77	<0.77	nc	<0.77	<0.77	nc	<0.77	<0.77	<0.77	<0.77
Ethyltoluene, 4-	µg/m3	n/v	<2.5	<2.5	<2.5	<2.5	<4.9	<4.9	<2.5	<2.5	<2.5	<4.7	<100	<2.5	3.2	nc	<2.5	<2.5	nc	<2.5	<2.5	nc	<2.5	<2.5	<2.5	<2.5
Heptane (C7)	µg/m3	n/v	<1.2	2.7	<1.2	2.9	<2.5	<2.5	4.0	<1.2	2.2	6.8	<52	2.4	2.5	nc	1.6	1.5	nc	<1.2	<1.2	nc	1.8	3.9	<1.2	2.4
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	<5.3	<5.3	<5.3	<5.3	<11	<11	<5.3	<5.3	<5.3	<10	<220	<5.3	<5.3	nc	<5.3	<5.3	nc	<5.3	<5.3	nc	<5.3	<5.3	<5.3	<5.3
Hexane (n-Hexane)	µg/m3	536,300[A]	<1.8	<0.70	<3.5	<8.8	<1.4	<12	<8.8	<0.70	<8.8	<19	<30	<18	<21	nc	<4.2	<3.2	nc	<0.70	<0.70	nc	<8.8	<12	<0.70	12.1
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	<4.1	<4.1	<4.1	<4.1	<8.2	<8.2	<4.1	<4.1	<4.1	<7.8	<170	<4.1	<4.1	nc	<4.1	<4.1	nc	<4.1	<4.1	nc	<4.1	<4.1	<4.1	<4.1
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	<2.5	174	<2.5	<2.5	59.8	<4.9	3.1	195	2.8	<4.7	<100	4.9	5.8	nc	<2.5	<2.5	nc	2.9	2.8	nc	<2.5	<2.5	89.9	112
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	5.13	4.15	<1.8	42.7	3.3	<7.4	44.9	<2.4	6.81	109	<25	10.8	12.2	12%	17.2	16.3	5%	<1.5	<1.8	nc	4.48	59.5	2.71	5.55
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	<0.82	<0.82	<0.82	1.26	<1.6	<1.6	1.67	<0.82	<0.82	2.7	<34	<0.82	<0.82	nc	<0.82	<0.82	nc	<0.82	<0.82	nc	<0.82	1.46	<0.82	<0.82
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	<0.72	<0.72	<0.72	<0.72	<1.4	<1.4	<0.72	<0.72	<0.72	<1.4	<30	<0.72	<0.72	nc	<0.72	<0.72	nc	<0.72	<0.72	nc	<0.72	<0.72	<0.72	<0.72
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	<2.1	<2.1	<2.1	<2.1	<4.2	<4.2	<2.1	<2.1	<2.1	<4.0	<88	<2.1	<2.1	nc	<2.1	<2.1	nc	<2.1	<2.1	nc	<2.1	<2.1	<2.1	5.1
Naphthalene	µg/m3	661[A]	<1.0	<1.0	<1.0	<1.0	<2.1	<2.1	<1.0	<1.0	<1.0	<2.0	<44	<1.0	<1.0	nc	<1.0	<1.0	nc	<1.0	<1.0	nc	<1.0	<1.0	1.1	<1.0
Propene	µg/m3	n/v	<2.2	<0.86	<2.6	<1.9	<1.7	<1.7	4.29	<0.86	4.57	4.7	<36	10.3	11.7	13%	<2.8	<2.9	nc	<0.86	<0.86	nc	2.67	<1.4	<0.86	<8.6
Styrene	µg/m3	46,482[A]	0.63	<0.43	<0.43	3.36	<0.85	<0.85	4.37	<0.43	<0.43	3.03	<18	<0.43	<0.43	nc	2.85	2.56	11%	<0.43	<0.43	nc	<0.43	2.92	<0.43	<0.43
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	<0.69	<0.69	<0.69	<0.69	<1.4	<1.4	<0.69	<0.69	<0.69	<1.3	<29	<0.69	<0.69	nc	<0.69	<0.69	nc	<0.69	<0.69	nc	<0.69	<0.69	<0.69	<0.69
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	<0.69	<0.69	<0.69	<0.69	<1.4	<1.4	<0.69	<0.69	<0.69	<1.3	<29	<0.69	<0.69	nc	<0.69	<0.69	nc	<0.69	<0.69	nc	<0.69	<0.69	<0.69	<0.69
Tetrachloroethene (PCE)	µg/m3	3,438[A]	282	300	16.0	127	58.6	13.8	724	492	<0.68	16.1	**13,900[A]**	<0.68	<0.68	nc	2,110	2,490	17%	20.9	20.7	1%	3.39	73.3	453	2.08
Tetrahydrofuran	µg/m3	n/v	<1.2	<1.2	<1.2	<1.2	<2.4	<2.4	<1.2	<1.2	<1.2	<2.2	<50	<1.2	<1.2	nc	<1.2	<1.2	nc	<1.2	<1.2	nc	<1.2	<1.2	<1.2	<1.2
Toluene	µg/m3	893,878[A]	14.5	3.28	8.41	100	1.95	11.8	117	0.81	39.0	187	<16	42.2	47.4	12%	55.3	52.7	5%	6.71	6.65	1%	38.6	126	1.79	87.0
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	<3.7	<3.7	<3.7	<3.7	<7.4	<7.4	<3.7	<3.7	<3.7	<7.1	<160	<3.7	<3.7	nc	<3.7	<3.7	nc	<3.7	<3.7	nc	<3.7	<3.7	<3.7	<3.7
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	1.40	1.21	<0.55	4.07	<1.1	1.6	<0.55	<0.55	<0.55	<1.0	<23	<0.55	<0.55	nc	<0.55	<0.55	nc	<0.55	<0.55	nc	<0.55	0.96	5.71	<0.55
Trichloroethane, 1,1,2-	µg/m3	56[A]	<0.55	<0.55	<0.55	<0.55	<1.1	<1.1	<0.55	<0.55	<0.55	<1.0	<23	<0.55	<0.55	nc	<0.55	<0.55	nc	<0.55	<0.55	nc	<0.55	<0.55	<0.55	<0.55
Trichloroethene (TCE)	µg/m3	218[A]	56.7	103	15.6	86.2	25.2	47.9	**309[A]**	201	25.6	8.5	**11,800[A]**	113	130	14%	**582[A]**	**676[A]**	15%	7.53	7.44	1%	79.8	22.9	83.9	1.24
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	1.4	1.2	1.2	1.7	<2.2	<2.2	1.5	1.1	1.2	<2.1	<47	2.2	2.4	nc	1.5	1.5	nc	<1.1	<1.1	nc	1.3	1.6	1.9	1.5
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	<1.2	<1.2	<1.2	<1.2	<2.3	<2.3	<1.2	<1.2	<1.2	<2.2	<48	<1.2	<1.2	nc	<1.2	<1.2	nc	<1.2	<1.2	nc	<1.2	<1.2	2.8	<1.2
Trimethylbenzene, 1,2,4-	µg/m3	n/v	<2.5	<2.5	3.5	2.5	<4.9	<4.9	3.6	<2.5	7.2	<4.7	<100	8.0	12.3	nc	4.0	3.6	nc	<2.5	<2.5	nc	7.8	2.5	<2.5	3.3
Trimethylbenzene, 1,3,5-	µg/m3	n/v	<2.5	<2.5	<2.5	<2.5	<4.9	<4.9	<2.5	<2.5	<2.5	<4.7	<100	<2.5	3.6	nc	<2.5	<2.5	nc	<2.5	<2.5	nc	<2.5	<2.5	<2.5	<2.5
Trimethylpentane, 2,2,4-	µg/m3	n/v	<0.93	<0.93	<3.0	<0.93	<1.9	<7.0	<0.93	<0.93	<12	<2.3	<39	<16	<16	nc	<0.93	<0.93	nc	<0.93	<0.93	nc	<9.3	<1.4	<0.93	<0.93
Vinyl Acetate	µg/m3	n/v	<0.70	<0.70	<0.70	<0.70	<1.4	<1.4	<0.70	<0.70	<0.70	<1.3	<30	<0.70	<0.70	nc	<0.70	<0.70	nc	<0.70	<0.70	nc	<0.70	<0.70	<0.70	<0.70
Vinyl Bromide (Bromoethene)	µg/m3	n/v	<0.87	<0.87	<0.87	<0.87	<1.8	<1.8	<0.87	<0.87	<0.87	<1.7	<37	<0.87	<0.87	nc	<0.87	<0.87	nc	<0.87	<0.87	nc	<0.87	<0.87	<0.87	<0.87
Vinyl Chloride	µg/m3	102[A]	<0.26	<0.26	<0.26	<0.26	<0.51	<0.51	0.32	<0.26	<0.26	<0.49	<11	<0.26	<0.26	nc	0.32	0.28	nc	<0.26	<0.26	nc	<0.26	<0.26	<0.26	1.24
Xylene, m & p-	µg/m3	n/v	2.30	1.10	6.03	13.5	<1.7	7.4	17.8	<0.87	19.9	12.9	<36	20.1	27.3	30%	11.2	9.99	11%	<0.87	<0.87	nc	19.5	13.1	<0.87	5.66
Xylene, o-	µg/m3	n/v	0.82	0.49	3.43	4.63	<0.87	4.25	6.14	<0.43	9.44	4.53	<18	9.77	13.1	29%	4.18	3.69	12%	<0.43	<0.43	nc	9.22	4.56	<0.43	2.11
Xylenes, Total	µg/m3	125,143[A]	3.1	1.6	9.5	18.1	<2.6	11.7	23.9	<1.3	29.3	17.4	<55	29.9	40.4	30%	15.4	13.7	12%	<1.3	<1.3	nc	28.8	17.6	<1.3	7.8

See notes on last page.

Table IVa
Summary of Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP14-2					VP14-3								VP14-4			VP14-7			VP14-10			TRIP BLANK	
Sample Date			21-Jun-23	21-Jun-23		9-Oct-24	18-Jun-25	22-Jun-23	22-Jun-23		9-Oct-24	26-Jun-25	26-Jun-25		26-Jun-23	9-Oct-24	18-Jun-25	21-Jun-23	9-Oct-24	18-Jun-25	21-Jun-23	9-Oct-24	18-Jun-25	9-Oct-24	17-Jun-25
Sample ID			VP14-2	VP14-2 Lab-Dup		VP14-2/SX2217	VP14-2	VP14-3	QC-02		VP14-3/SX1620	VP14-3	VP14-3 Lab-Dup		VP14-04	VP14-4/SX1636	VP14-4	VP14-7	VP14-7/SX1068	VP14-7	VP14-10	VP14-10/SX1781	VP14-10	TRIP BLANK	TRIP BLANK
Sampling Company			STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			BV	BV		BV	BV	BV	BV		BV	BV	BV		BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV
Laboratory Work Order			C3I4573	C3I4573		C4V8294	C573470	C3I4573	C3I4573		C4V8294	C576769	C576769		C3I7416	C4V8294	C573470	C3I4573	C4V8294	C573470	C3I4573	C4V8294	C573470	C4V8294	C573470
Laboratory Sample ID			WES143	WES143		AFKM35	ASDW26	WES147	WES148		AFKM33	ASKC15	ASKC15		WFH728	AFKM32	ASDW22	WES144	AFKM37	ASDW25	WES145	AFKM38	ASDW28	AFKM39	ASDW29
Sample Type	Units	Stantec Soil Vapour Criteria*		Lab Replicate	RPD (%)				Field Duplicate	RPD (%)			Lab Replicate	RPD (%)										Trip Blank	Trip Blank
General Chemistry																										
Pressure on Receipt	psi	n/v	-3.6	-5.6	-	-7.4	-4.4	-4.9	-4.9	nc	-7.4	-5.0	-	-	-6.5	-6.2	-7.3	-4.1	-6.2	-6.8	-6.6	-9.1	-6.2	-14.5	-14.3
Petroleum Hydrocarbons																									
Aliphatic >C5-C6	µg/m3	n/v	<5.0	<5.0	nc	<9.0	17.3	5.1	<5.0	nc	<11	<5.0	<5.0	nc	<24	<9.5	<50	7.9	<9.5	<10	81.1	<15	29.0	<5.0	<5.0
Aliphatic >C6-C8	µg/m3	8,223,673[A]	17.1	17.3	nc	<9.0	42.1	<5.0	<5.0	nc	<11	<5.0	<5.0	nc	<24	<9.5	<50	27.4	616	45	55.2	<15	45.3	<5.0	<5.0
Aliphatic >C8-C10	µg/m3	446,939[A]	53.7	61.4	13%	13.0	<5.0	18.7	18.2	nc	<11	<5.0	<5.0	nc	<24	18.8	<50	86.3	11.9	34	79.8	<15	32.2	<5.0	<5.0
Aliphatic >C10 - C12	µg/m3	446,939[A]	29.6	32.8	10%	97.4	5.4	27.3	25.0	9%	39	<5.0	<5.0	nc	<24	98.3	<50	45.0	114	39	34.9	53	81.2	<5.0	<5.0
Aliphatic >C12 - C16	µg/m3	446,939[A]	<5.0	<5.0	nc	<9.0	<5.0	<5.0	<5.0	nc	<11	<5.0	<5.0	nc	<24	<9.5	<50	<5.0	<9.5	<10	<9.0	<15	<9.0	<5.0	<5.0
Sum of C>8-16 Aliphatic (detected)	µg/m3	446,939[A]	83.3	94.2	12%	110.4	5.4	46.0	43.2	6%	39	-	-	-	^	117.1	0	131.3	125.9	73	114.7	53	113.4	^	0
Sum of C>8-16 Aliphatic (incl ND = RDL)	µg/m3	446,939[A]	<88.3	<99.2	12%	<119.4	15.4	<51.0	<48.2	6%	<61	-	-	-	<72.0	<126.6	150	<136.3	<135.4	83	<123.7	<83	122.4	<15	15
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	<5.0	<5.0	nc	<9.0	<5.0	<5.0	<5.0	nc	<11	<5.0	<5.0	nc	<24	<9.5	<50	<5.0	<9.5	<10	<9.0	<15	<9.0	<5.0	<5.0
Aromatic >C8-C10	µg/m3	89,388[A]	9.0	10.2	nc	<9.0	9.9	5.0	5.4	nc	<11	<5.0	<5.0	nc	<24	<9.5	<50	14.6	<9.5	19	12.4	<15	21.8	<5.0	<5.0
Aromatic >C10 - C12	µg/m3	89,388[A]	<5.0	<5.0	nc	<9.0	5.3	<5.0	<5.0	nc	<11	<5.0	<5.0	nc	<24	<9.5	<50	5.5	<9.5	12	<9.0	<15	14.8	<5.0	<5.0
Aromatic >C12 - C16	µg/m3	89,388[A]	<5.0	<5.0	nc	<9.0	<5.0	<5.0	<5.0	nc	<11	<5.0	<5.0	nc	<24	<9.5	<50	<5.0	<9.5	<10	<9.0	<15	<9.0	<5.0	<5.0
Sum of C>8-16 Aromatic (detected)	µg/m3	89,388[A]	9.0	10.2	nc	^	15.2	5.0	5.4	nc	^	-	-	-	^	^	0	20.1	^	31	12.4	^	36.6	^	0
Sum of C>8-16 Aromatic (incl ND = RDL)	µg/m3	89,388[A]	<19	<20.2	nc	<27	20.2	<15	<15.4	nc	<33	-	-	-	<72	<28.5	150	<25.1	<28.5	41	<30.4	<45	45.6	<15	15

See notes on last page.

Table IVa
Summary of Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP14-2					VP14-3							VP14-4			VP14-7			VP14-10			TRIP BLANK	
Sample Date			21-Jun-23	21-Jun-23		9-Oct-24	18-Jun-25	22-Jun-23	22-Jun-23		9-Oct-24	26-Jun-25	26-Jun-25		26-Jun-23	9-Oct-24	18-Jun-25	21-Jun-23	9-Oct-24	18-Jun-25	21-Jun-23	9-Oct-24	18-Jun-25	9-Oct-24	17-Jun-25
Sample ID			VP14-2	VP14-2 Lab-Dup		VP14-2/SX2217	VP14-2	VP14-3	QC-02		VP14-3/SX1620	VP14-3	VP14-3 Lab-Dup		VP14-04	VP14-4/SX1636	VP14-4	VP14-7	VP14-7/SX1068	VP14-7	VP14-10	VP14-10/SX1781	VP14-10	TRIP BLANK	TRIP BLANK
Sampling Company			STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			BV	BV		BV	BV	BV	BV		BV	BV	BV		BV	BV	BV	BV	BV	BV	BV	BV	BV	BV	BV
Laboratory Work Order			C3I4573	C3I4573		C4V8294	C573470	C3I4573	C3I4573		C4V8294	C576769	C576769		C3I7416	C4V8294	C573470	C3I4573	C4V8294	C573470	C3I4573	C4V8294	C573470	C4V8294	C573470
Laboratory Sample ID			WES143	WES143		AFKM35	ASDW26	WES147	WES148		AFKM33	ASKC15	ASKC15		WFH728	AFKM32	ASDW22	WES144	AFKM37	ASDW25	WES145	AFKM38	ASDW28	AFKM39	ASDW29
Sample Type	Units	Stantec Soil Vapour Criteria*		Lab Replicate	RPD (%)				Field Duplicate	RPD (%)			Lab Replicate	RPD (%)										Trip Blank	Trip Blank
Volatile Organic Compounds-Calculated																									
Acetone	µg/m3	2,860,408[A]	2.6	3.0	nc	10.3	37.7	2.4	3.6	nc	27.6	9.5	11.0	15%	<6.8	14.3	30	5.8	245	35.9	3.3	7.7	38.6	<1.4	<1.4
Benzene	µg/m3	406[A]	1.23	1.42	nc	<0.58	6.31	0.73	0.73	nc	<0.70	0.38	0.34	nc	<1.5	<0.61	<3.2	2.80	<0.61	1.13	2.55	1.64	1.44	<0.32	<0.32
Benzyl Chloride	µg/m3	n/v	<2.6	<2.6	nc	<4.7	<2.6	<2.6	<2.6	nc	<5.7	<2.6	<2.6	nc	<12	<4.9	<26	<2.6	<4.9	<5.2	<4.7	<7.5	<4.7	<2.6	<2.6
Bromodichloromethane	µg/m3	n/v	<1.3	<1.3	nc	<2.4	<1.3	<1.3	<1.3	nc	<2.9	<1.3	<1.3	nc	<6.4	<2.5	<13	<1.3	<2.5	<2.7	<2.4	<3.9	<2.4	<1.3	<1.3
Bromoform (Tribromomethane)	µg/m3	13,750[A]	<2.1	<2.1	nc	<3.7	<2.1	<2.1	<2.1	nc	<4.5	<2.1	<2.1	nc	<9.9	<3.9	<21	<2.1	<3.9	<4.1	<3.7	<6.0	<3.7	<2.1	<2.1
Bromomethane (Methyl bromide)	µg/m3	894[A]	<0.39	<0.39	nc	<0.70	<0.39	<0.39	<0.39	nc	<0.85	<0.39	<0.39	nc	<1.9	<0.74	<3.9	<0.39	<0.74	<0.78	<0.70	<1.1	<0.70	<0.39	<0.39
Butadiene, 1,3-	µg/m3	n/v	<1.1	<1.1	nc	<2.0	<1.1	<1.1	<1.1	nc	<2.4	<1.1	<1.1	nc	<5.3	<2.1	<11	<1.1	<2.1	<2.2	<2.0	<3.2	<2.0	<1.1	<1.1
Carbon Disulfide	µg/m3	n/v	<1.6	<1.6	nc	<2.8	<1.6	<1.6	<1.6	nc	<3.4	<1.6	<1.6	nc	<7.5	<3.0	<16	<1.6	<3.0	<3.1	<2.8	<4.5	<2.8	<1.6	<1.6
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	<0.63	0.69	nc	<1.1	<0.63	6.44	6.21	4%	<1.4	0.78	0.71	nc	39.1	46.0	12.4	<0.63	<1.2	<1.3	<1.1	<1.8	<1.1	<0.63	<0.63
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	<0.46	<0.46	nc	<0.83	<0.46	<0.46	<0.46	nc	<1.0	<0.46	<0.46	nc	<2.2	<0.87	<4.6	<0.46	<0.87	<0.92	<0.83	<1.3	<0.83	<0.46	<0.46
Chloroethane (Ethyl Chloride)	µg/m3	n/v	<0.79	<0.79	nc	<1.4	<0.79	<0.79	<0.79	nc	<1.7	<0.79	<0.79	nc	<3.8	<1.5	<7.9	<0.79	<1.5	<1.6	<1.4	<2.3	<1.4	<0.79	<0.79
Chloroform (Trichloromethane)	µg/m3	17,878[A]	0.90	0.95	nc	<0.88	0.67	12.4	12.3	1%	<1.1	0.61	0.63	nc	27.8	23.8	16.9	12.9	<0.93	1.64	7.41	12.6	8.88	<0.49	<0.49
Chloromethane	µg/m3	n/v	<0.62	<0.62	nc	<1.1	0.65	<0.62	<0.62	nc	<1.4	<0.62	<0.62	nc	<3.0	<1.2	<6.2	<0.62	<1.2	<1.2	<1.1	<1.8	<1.1	<0.62	<0.62
Cyclohexane	µg/m3	n/v	1.10	1.17	nc	<1.2	2.39	<0.69	0.77	nc	<1.5	<0.69	<0.69	nc	<3.3	<1.3	<6.9	1.45	<1.3	<1.4	7.4	<2.0	1.6	<0.69	<0.69
Dibromochloromethane	µg/m3	n/v	<1.7	<1.7	nc	<3.1	<1.7	<1.7	<1.7	nc	<3.7	<1.7	<1.7	nc	<8.2	<3.2	<17	<1.7	<3.2	<3.4	<3.1	<4.9	<3.1	<1.7	<1.7
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	<0.60	<0.60	nc	<1.1	<0.60	<0.60	<0.60	nc	<1.3	<0.60	<0.60	nc	<2.9	<1.1	<6.0	<0.60	<1.1	<1.2	<1.1	<1.7	<1.1	<0.60	<0.60
Dichlorobenzene, 1,3-	µg/m3	n/v	<2.4	<2.4	nc	<4.3	<2.4	<2.4	<2.4	nc	<5.3	<2.4	<2.4	nc	<12	<4.6	<24	<2.4	<4.6	<4.8	<4.3	<7.0	<4.3	<2.4	<2.4
Dichlorobenzene, 1,4-	µg/m3	223[A]	<0.60	<0.60	nc	<1.1	2.72	<0.60	<0.60	nc	<1.3	<0.60	<0.60	nc	<2.9	<1.1	<6.0	<0.60	<1.1	<1.2	<1.1	<1.7	<1.1	<0.60	<0.60
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	2.14	2.49	nc	2.9	2.73	2.03	1.69	nc	2.2	2.27	2.38	nc	<4.7	2.7	<9.9	6.29	18.6	8.1	3.1	3.6	2.9	<0.99	<0.99
Dichloroethane, 1,1-	µg/m3	29,498[A]	<0.40	<0.40	nc	<0.73	<0.40	<0.40	<0.40	nc	<0.89	<0.40	<0.40	nc	<1.9	<0.77	<4.0	<0.40	<0.77	<0.81	<0.73	<1.2	<0.73	<0.40	<0.40
Dichloroethane, 1,2-	µg/m3	34[A]	<0.40	<0.40	nc	<0.73	0.54	<0.40	<0.40	nc	<0.89	<0.40	<0.40	nc	<1.9	<0.77	<4.0	<0.40	<0.77	<0.81	<0.73	<1.2	<0.73	<0.40	<0.40
Dichloroethene, 1,1-	µg/m3	35,755[A]	<0.40	<0.40	nc	<0.71	<0.40	<0.40	<0.40	nc	<0.87	<0.40	<0.40	nc	<1.9	<0.75	<4.0	<0.40	<0.75	<0.79	<0.71	<1.2	<0.71	<0.40	<0.40
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	<0.40	<0.40	nc	<0.71	<0.40	317	416	27%	9.41	4.44	4.85	9%	6.6	4.37	11.1	<0.40	<0.75	40.4	169	300	264	<0.40	<0.40
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	<0.40	<0.40	nc	<0.71	<0.40	16.7	16.2	3%	<0.87	<0.40	<0.40	nc	<1.9	<0.75	<4.0	<0.40	<0.75	5.32	28.3	68.0	47.1	<0.40	<0.40
Dichloropropane, 1,2-	µg/m3	715[A]	<0.46	<0.46	nc	<0.83	<0.46	<0.46	<0.46	nc	<1.0	<0.46	<0.46	nc	<2.2	<0.88	<4.6	<0.46	<0.88	<0.92	<0.83	<1.3	<0.83	<0.46	<0.46
Dichloropropene, cis-1,3-	µg/m3	223[A]	<0.45	<0.45	nc	<0.82	<0.45	<0.45	<0.45	nc	<1.0	<0.45	<0.45	nc	<2.2	<0.86	<4.5	<0.45	<0.86	<0.91	<0.82	<1.3	<0.82	<0.45	<0.45
Dichloropropene, trans-1,3-	µg/m3	n/v	<0.45	<0.45	nc	<0.82	<0.45	<0.45	<0.45	nc	<1.0	<0.45	<0.45	nc	<2.2	<0.86	<4.5	<0.45	<0.86	<0.91	<0.82	<1.3	<0.82	<0.45	<0.45
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	<1.2	<1.2	nc	<2.1	<1.2	<1.2	<1.2	nc	<2.6	<1.2	<1.2	nc	<5.7	<2.3	<12	<1.2	<2.3	<2.4	<2.1	<3.4	<2.1	<1.2	<1.2
Dioxane, 1,4-	µg/m3	643,592[A]	<3.6	<3.6	nc	<6.5	<3.6	<3.6	<3.6	nc	<7.9	<3.6	<3.6	nc	<17	<6.8	<36	<3.6	<6.8	<7.2	<6.5	<10	<6.5	<3.6	<3.6
Ethanol	µg/m3	n/v	4.9	5.3	nc	82.0	301	6.8	6.0	nc	142	91.0	102	11%	14.2	79.6	<19	7.1	159	<3.8	6.5	42.7	<3.4	<1.9	<1.9
Ethyl Acetate	µg/m3	n/v	19.0	20.3	7%	43.1	4.5	<3.6	<3.6	nc	62.9	<3.6	<3.6	nc	<17	41.4	<36	25.1	29.0	<7.2	31.2	29	<6.5	<3.6	<3.6
Ethylbenzene	µg/m3	357,551[A]	3.08	3.23	5%	<0.78	2.07	1.05	1.07	nc	<0.96	<0.43	<0.43	nc	<2.1	<0.83	<4.3	4.45	<0.83	4.18	3.80	<1.3	4.72	<0.43	<0.43
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	<0.77	<0.77	nc	<1.4	<0.77	<0.77	<0.77	nc	<1.7	<0.77	<0.77	nc	<3.7	<1.5	<7.7	<0.77	<1.5	<1.5	<1.4	<2.2	<1.4	<0.77	<0.77
Ethyltoluene, 4-	µg/m3	n/v	<2.5	<2.5	nc	<4.4	<2.5	<2.5	<2.5	nc	<5.4	<2.5	<2.5	nc	<12	<4.7	<25	<2.5	<4.7	<4.9	<4.4	<7.1	<4.4	<2.5	<2.5
Heptane (C7)	µg/m3	n/v	2.2	2.6	nc	<2.2	6.7	<1.2	<1.2	nc	<2.7	<1.2	<1.2	nc	<5.9	<2.3	<12	3.9	107	<2.5	3.9	<3.6	<2.2	<1.2	<1.2
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	<5.3	<5.3	nc	<9.6	<5.3	<5.3	<5.3	nc	<12	<5.3	<5.3	nc	<26	<10	<53	<5.3	<10	<11	<9.6	<15	<9.6	<5.3	<5.3
Hexane (n-Hexane)	µg/m3	536,300[A]	<7.0	<7.0	nc	<1.3	27.8	<0.70	<0.70	nc	<1.6	<0.70	<0.70	nc	<3.4	<1.3	<7.0	<9.2	<1.3	<8.8	<11	<2.0	<1.3	<0.70	<0.70
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	<4.1	<4.1	nc	<7.4	<4.1	<4.1	<4.1	nc	<9.0	<4.1	<4.1	nc	<20	<7.8	<41	<4.1	<7.8	<8.2	<7.4	<12	<7.4	<4.1	<4.1
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	<2.5	<2.5	nc	54.7	<86	<2.5	<2.5	nc	10.5	5.6	6.4	nc	<12	11.7	<25	<2.5	531	5.9	<4.4	<7.1	4.7	<2.5	<2.5
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	31.6	34.7	9%	2.9	4.12	1.56	3.04	nc	5.6	<1.5	<1.5	nc	<2.8	3.5	<5.9	42.4	2.9	<5.9	51.2	<2.7	2.5	<0.59	<0.59
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	0.87	0.96	nc	<1.5	<0.82	<0.82	<0.82	nc	<1.8	<0.82	<0.82	nc	<3.9	<1.6	<8.2	2.08	<1.6	<1.6	1.9	<2.4	<1.5	<0.82	<0.82
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	<0.72	<0.72	nc	<1.3	<0.72	<0.72	<0.72	nc	<1.6	<0.72	<0.72	nc	<3.5	<1.4	<7.2	<0.72	<1.4	<1.4	<1.3	<2.1	<1.3	<0.72	<0.72
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	<2.1	<2.1	nc	<3.8	7.0	<2.1	<2.1	nc	<4.6	<2.1	<2.1	nc	16	1,220	<21	<2.1	<4.0	<4.2	<3.8	<6.0	<3.8	<2.1	<2.1
Naphthalene	µg/m3	661[A]	<1.0	<1.0	nc	<1.9	<1.0	<1.0	<1.0	nc	<2.3	<1.0	<1.0	nc	<5.0	<2.0	<10	<1.0	<2.0	<2.1	<1.9	<3.0	<1.9	<1.0	<1.0
Propene	µg/m3	n/v	<1.5	<1.5	nc	<1.5	<4.3	<1.7	<1.7	nc	<1.9	<0.86	<0.86	nc	<4.1	<1.6	<2,600	<3.1	<77	<4.3	<17	<3.4	<5.7	<0.86	<0.86
Styrene	µg/m3	46,482[A]	2.21	2.42	9%	<0.77	<0.43	1.00	0.84	nc	<0.94	<0.43	<0.43	nc	<2.0	<0.81	<4.3	2.85	<0.81	<0.85	2.55	<1.2	<0.77	<0.43	<0.43
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	<0.69	<0.69	nc	<1.2	<0.69	<0.69	<0.69	nc	<1.5	<0.69	<0.69	nc	<3.3	<1.3	<6.9	<0.69	<1.3	<1.4	<1.2	<2.0	<1.2	<0.69	<0.69
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	<0.69	<0.69	nc	<1.2	<0.69	<0.69	<0.69	nc	<1.5	<0.69	<0.69	nc	<3.3	<1.3	<6.9	<0.69	<1.3	<1.4	<1.2	<2.0	<1.2	<0.69	<0.69
Tetrachloroethene (PCE)	µg/m3	3,438[A]	12.7	14.4	13%	19.3	1.33	**12,200[A]**	**13,500[A]**	10%	22.6	68.6	68.3	0%	2,310	1,320	141	74.8	82.2	20.8	1,720	**7,490[A]**	54.3	<0.68	<0.68
Tetrahydrofuran	µg/m3	n/v	<1.2	<1.2	nc	<2.1	<1.2	<1.2	<1.2	nc	<2.6	<1.2	<1.2	nc	<5.7	<2.2	<12	<1.2	<2.2	<2.4	<2.1	<3.4	<2.1	<1.2	<1.2
Toluene	µg/m3	893,878[A]	77.7	88.4	13%	5.36	82.1	11.8	13.1	10%	4.51	1.41	1.35	nc	4.1	187	8.3	126	3.67	15.7	128	2.7	17.1	<0.38	<0.38
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	<3.7	<3.7	nc	<6.7	<3.7	<3.7	<3.7	nc	<8.2	<3.7	<3.7	nc	<18	<7.1	<37	<3.7	<7.1	<7.4	<6.7	<11	<6.7	<3.7	<3.7
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	0.83	0.92	nc	<0.98	<0.55	8.33	8.04	4%	<1.2	<0.55	<0.55	nc	8.6	8.8	<5.5	<0.55	<1.0	<1.1	5.09	7.4	3.82	<0.55	<0.55
Trichloroethane, 1,1,2-	µg/m3	56[A]	<0.55	<0.55	nc	<0.98	<0.55	<0.55	<0.55	nc	<1.2	<0.55	<0.55	nc	<2.6	<1.0	<5.5	<0.55	<1.0	<1.1	<0.98	<1.6	<0.98	<0.55	<0.55
Trichloroethene (TCE)	µg/m3	218[A]	1.46	1.86	nc	1.48	<0.54	**1,640[A]**	**1,750[A]**	6%	10.4	26.5	26.3	1%	136	108	44.7	3.28	2.1	121	**1,420[A]**	**3,270[A]**	**936[A]**	<0.54	<0.54
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	1.4	1.6	nc	<2.0	1.6	1.4	1.4	nc	<2.5	1.2	1.2	nc	<5.4	2.9	<11	33.3	21.2	16.9	<2.0	<3.3	<2.0	<1.1	<1.1
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	<1.2	<1.2	nc	<2.1	1.5	23.9	23.2	3%	12.3	10.8	12.0	11%	26.3	47.8	15	<1.2	<2.2	<2.3	12.6	71.6	15.0	<1.2	<1.2
Trimethylbenzene, 1,2,4-	µg/m3	n/v	<2.5	<2.5	nc	<4.4	3.6	<2.5	<2.5	nc	<5.4	<2.5	<2.5	nc	<12	<4.7	<25	2.9	<4.7	7.5	<4.4	<7.1	8.9	<2.5	<2.5
Trimethylbenzene, 1,3,5-	µg/m3	n/v	<2.5	<2.5	nc	<4.4	<2.5	<2.5	<2.5	nc	<5.4	<2.5	<2.5	nc	<12	<4.7	<25	<2.5	<4.7	<4.9	<4.4	<7.1	<4.4	<2.5	<2.5
Trimethylpentane, 2,2,4-	µg/m3	n/v	<0.93	<0.93	nc	<1.7	1.90	<0.93	<0.93	nc	<2.1	<0.93	<0.93	nc	<4.5	<1.8	<9.3	<1.2	<1.8	<7.0	<1.7	<2.7	<7.5	<0.93	<0.93
Vinyl Acetate	µg/m3	n/v	<0.70	<0.70	nc	<1.3	<0.70	<0.70	<0.70	nc	<1.5	<0.70	<0.70	nc	<3.4	<1.3	<7.0	<0.70	<1.3	<1.4	<5.3	<2.0	<1.3	<0.70	<0.70
Vinyl Bromide (Bromoethene)	µg/m3	n/v	<0.87	<0.87	nc	<1.6	<0.87	<0.87	<0.87	nc	<1.9	<0.87	<0.87	nc	<4.2	<1.7	<8.7	<0.87	<1.7	<1.8	<1.6	<2.5	<1.6	<0.87	<0.87
Vinyl Chloride	µg/m3	102[A]	<0.26	<0.26	nc	<0.46	0.98	<0.26	<0.26	nc	<0.56	<0.26	<0.26	nc	<1.2	<0.49	<2.6	<0.26	<0.49	<0.51	<0.46	<0.74	<0.46	<0.26	<0.26
Xylene, m & p-	µg/m3	n/v	9.92	10.5	6%	2.6	7.90	3.73	3.87	nc	<1.9	<0.87	<0.87	nc	<4.2	2.4	<8.7	14.3	<1.7	12.3	11.7	<2.5	14.1	<0.87	<0.87
Xylene, o-	µg/m3	n/v	3.46	3.62	5%	0.92	2.55	1.55	1.51	nc	<0.96	<0.43	<0.43	nc	<2.1	<0.83	<4.3	5.26	<0.83	7.14	4.08	<1.3	7.53	<0.43	<0.43
Xylenes, Total	µg/m3	125,143[A]	13.4	14.1	5%	3.5	10.5	5.3	5.4	nc	<2.9	<1.3	<1.3	nc	<6.3	<2.5	<13	19.5	<2.5	19.4	15.8	<3.8	21.6	<1.3	<1.3

See notes on last page.

Table IVa
Summary of Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Notes:

Soil Vapour Criteria*	Site specific criteria
^	Soil vapour criteria - established by adjusting the Health Based Indoor Air Criteria (HBIAC) for attenuation through floor slab of a commercial building.
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
<0.50	Laboratory reporting limit was greater than the applicable standard.
<0.03	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
^	100% non-detect
RPD	Relative Percent Difference.
61%	RPD exceeds data quality objective of 50%.
nc	RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			MW03-44										VP03-4					VP05-1									
Sample Date			8-Jun-10	10-Nov-11	25-Jun-12	26-Jul-13	18-Sep-14	16-Aug-16	9-Jun-17	30-Nov-18	10-Jul-19	26-May-20	12-Jun-17	30-Nov-18	11-Jul-19	25-May-20	16-Dec-20	29-Jun-10	9-Nov-11	25-Jun-12	25-Jul-13	17-Sep-14	30-Nov-15	15-Aug-16	7-Jun-17	9-Jul-19	26-May-20
Sample ID			MW03-44	MW03-44	MW03-44	MW03-44	MW03-44	MW03-44	MW03-44	MW03-44	MW03-44	MW03-44	VP03-4	VP03-4	VP03-4	VP03-4	VP03-4	VP05-1	VP05-1	VP05-1	VP05-1	VP05-1	VP05-1	VP05-1	VP05-1	VP05-1	VP05-1
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																									
General Chemistry																											
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																											
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																											
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	<1.5	<1.5	<6.3	<0.75	<0.75	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	1.99	<0.40	<0.75	<0.75	<0.75	<0.75	<0.75	<0.40	<0.40	<0.40	<0.40	<0.40
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	7.8	<2.7	<11	4.6	2.5	3.41	1.21	<0.68	2.37	1.21	12.9	2.78	20.3	8.19	0.68	<1.4	<1.4	<1.4	3.1	<1.4	1.45	3.69	0.83	1.25	<0.68
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	<3.2	<3.2	<14	2.2	1.9	1.81	0.57	<0.54	0.93	<0.54	1.65	<0.54	3.69	71.6	<0.54	<1.6	<1.6	<1.6	<1.6	<1.6	<0.54	<0.54	<0.54	<0.54	<0.54
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	<0.92	<0.92	<3.9	<0.46	<0.46	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.46	<0.46	<0.46	<0.46	<0.46	<0.26	<0.26	<0.26	<0.26	<0.26
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP05-2											VP05-3									VP05-5					
Sample Date			7-Jun-10	10-Nov-11	25-Jun-12	24-Jul-13	17-Sep-14	1-Dec-15	15-Aug-16	7-Jun-17	29-Nov-18	9-Jul-19	27-May-20	7-Jun-10	10-Nov-11	28-Jun-12	24-Jul-13	17-Sep-14	15-Aug-16	9-Jun-17	30-Nov-18	26-May-20	7-Jun-10	10-Nov-11	10-Nov-11		26-Jun-12	24-Jul-13
Sample ID			VP05-2	VP05-2	VP05-2	VP05-2	VP05-2	VP05-2	VP05-2	VP05-2	VP05-2	VP05-2	VP05-2	VP05-3	VP05-3	VP05-3	VP05-3	VP05-3	VP05-3	VP05-3	VP05-3	VP05-3	VP05-5	VP05-5	VP05-5		VP05-5	VP05-5
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV		HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																							Field Duplicate	RPD (%)		
General Chemistry																												
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																												
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																												
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	<0.75	<0.75	<0.75	11.5	<0.75	<0.40	<0.40	<0.40	<0.40	<0.40	1.23	<3.0	<0.75	<0.75	0.89	<0.75	<0.40	<0.40	<0.40	<0.40	3.4	<0.75	<0.75	nc	7.72	246
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	31.3	4.7	53.9	404	67.9	11.6	151	38.5	9.37	41.1	35.6	<5.4	4.3	23.3	73.1	12.4	24.0	4.53	2.00	1.58	263	312	378	nc	923	2,260
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	5.3	<1.6	5.0	67.1	6.0	1.06	8.42	2.18	<0.54	1.67	1.56	<6.4	<1.6	1.7	5.9	<1.6	<0.54	<0.54	<0.54	<0.54	31.0	44.3	53.3	nc	113	**1,210[A]**
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	<0.46	<0.46	<0.46	<0.46	<0.46	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<1.8	<0.46	0.83	<0.46	1.97	<0.26	2.37	<0.26	<0.26	<0.92	0.78	<0.46	nc	15.9	61.8
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP05-5 (Continued)								VP07-1												VP07-2							
Sample Date			13-Aug-13	15-Sep-14	30-Nov-15	15-Aug-16	7-Jun-17	19-Nov-18	8-Jul-19	27-May-20	8-Jun-10	11-Nov-11	24-Feb-12	27-Jun-12	26-Feb-13	29-Jul-13	2-Mar-14	16-Sep-14	2-Dec-15	8-Jun-17	11-Jul-19	17-Sep-20	29-Jun-10	11-Nov-11	11-Nov-11		1-Mar-12	27-Jun-12	26-Feb-13	29-Jul-13
Sample ID			VP05-5	VP05-5	VP05-5	VP05-5	VP05-5	VP05-5	VP05-5	VP05-5	VP07-1	VP07-1	VP07-1	VP07-1	VP07-1	VP07-1	VP07-1	VP07-1	VP07-1	VP07-1	VP07-1	VP07-1	VP07-2	VP07-2	VP07-2		VP07-2	VP07-2	VP07-2	VP07-2
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV		HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																							Field Duplicate	RPD (%)				
General Chemistry																														
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																														
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																														
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	2.91	<1.5	0.58	1.70	2.03	<0.40	2.18	3.69	38.7	313	205	30.7	15.8	3.26	2.06	2.86	0.79	<0.40	3.94	3.80	617	720	671	nc	566	447	574	862
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	836	885	309	1,250	287	176	693	373	989	3,140	**5,020[A]**	**4,180[A]**	1,260	1,280	393	925	350	266	701	124	**22,400[A]**	**17,100[A]**	**15,400[A]**	nc	**16,500[A]**	**29,800[A]**	**21,500[A]**	**32,400[A]**
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	121	104	34.8	200	36.8	20.7	87.4	41.5	**245[A]**	**537[A]**	**546[A]**	**533[A]**	**221[A]**	**167[A]**	72.6	190	76.5	45.5	187	26.0	**4,400[A]**	**4,200[A]**	**3,850[A]**	nc	**3,810[A]**	**5,390[A]**	**7,660[A]**	**7,690[A]**
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	4.00	<0.92	<0.26	<0.51	<0.26	<0.26	1.66	3.20	<0.92	<0.46	<0.46	<2.9	<0.26	<0.46	<0.460	<0.46	<0.26	<0.26	<0.26	<0.51	<48	<1.8	<0.46	nc	<0.46	<27	<1.7	<2.4
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP07-3										VP07-4										VP07-5						
Sample Date			7-Jun-10	11-Nov-11	11-Nov-11		1-Mar-12	27-Jun-12	26-Feb-13	25-Jul-13	10-Jul-19	7-Jun-10	11-Nov-11	11-Nov-11		24-Feb-12	24-Feb-12		27-Jun-12	26-Feb-13	25-Jul-13	7-Jun-10	11-Nov-11	26-Jun-12	25-Jul-13	1-Dec-15	15-Jul-19	25-May-20
Sample ID			VP07-3	VP07-3	VP07-3		VP07-3	VP07-3	VP07-3	VP07-3	VP07-3	VP07-4	VP07-4	VP07-4		VP07-4	VP07-4		VP07-4	VP07-4	VP07-4	VP07-5	VP07-5	VP07-5	VP07-5	VP07-5	VP07-5	VP07-5
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV		HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV		HISTSV	HISTSV		HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*			Field Duplicate	RPD (%)								Field Duplicate	RPD (%)		Field Duplicate	RPD (%)											
General Chemistry																													
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																													
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																													
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	2,580	400	393	nc	261	665	57.4	<0.75	79.7	23.9	7.54	6.39	nc	6.12	6.15	nc	45.1	0.93	45.6	<0.75	<0.75	<0.75	<0.75	<0.40	<0.40	<0.40
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	1,920	1,770	1,670	nc	1,070	2,230	521	2.8	532	3,270	1,500	1,840	nc	565	528	nc	3,360	160	**6,290[A]**	<1.4	2.7	8.2	8.2	1.10	11.8	4.74
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	**486[A]**	**514[A]**	**486[A]**	nc	**324[A]**	**593[A]**	159	2.5	180	**374[A]**	142	140	nc	43.4	41.5	nc	**298[A]**	14.2	**481[A]**	<1.6	<1.6	<1.6	<1.6	<0.54	<0.54	<0.54
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	21.4	<0.46	<0.46	nc	<0.46	<0.83	14.2	<0.46	<0.26	<0.46	<0.46	<0.46	nc	<0.46	<0.46	nc	<2.9	<0.26	<0.46	<0.46	0.73	<0.46	<0.46	<0.26	<1.0	<0.26
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP07-6											VP08-16								
Sample Date			7-Jun-10	10-Nov-11	28-Jun-12	26-Jul-13	16-Sep-14	30-Nov-15	16-Aug-16	12-Jun-17	29-Nov-18	15-Jul-19	27-May-20	7-Jun-10	9-Nov-11	25-Jun-12	25-Jul-13	17-Sep-14	12-Jun-17	29-Nov-18	9-Jul-19	26-May-20
Sample ID			VP07-6	VP07-6	VP07-6	VP07-6	VP07-6	VP07-6	VP07-6	VP07-6	VP07-6	VP07-6	VP07-6	VP08-16	VP08-16	VP08-16	VP08-16	VP08-16	VP08-16	VP08-16	VP08-16	VP08-16
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																				
General Chemistry																						
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																						
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																						
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	117	26.4	359	8,190	216	556	4,030	385	967	741	477	<1.5	<0.75	<0.75	<0.75	<0.75	<0.40	<0.40	1.65	1.93
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	378	53.0	1,400	**12,000[A]**	377	**3,810[A]**	**6,740[A]**	1,260	1,600	2,160	1,110	<2.7	<1.4	7.6	5.1	3.2	4.72	<0.68	5.67	2.64
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	109	16.9	**228[A]**	**2,020[A]**	129	**381[A]**	**1,710[A]**	**343[A]**	**397[A]**	**561[A]**	**271[A]**	<3.2	<1.6	<1.6	<1.6	<1.6	0.68	<0.54	2.32	1.83
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	1.12	<0.92	9.51	33.8	0.63	3.93	**248[A]**	2.58	15.5	1.83	2.75	<0.92	<0.46	4.31	0.53	<0.46	1.51	<0.26	<2.0	<0.26
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP08-17										VP08-18											
Sample Date			7-Jun-10	10-Nov-11	26-Jun-12	24-Jul-13	17-Sep-14	30-Nov-15	15-Aug-16	12-Jun-17	9-Jul-19	26-May-20	29-Jun-10	9-Nov-11	26-Jun-12	28-Jun-12	25-Jul-13	17-Sep-14	1-Dec-15	15-Aug-16	9-Jun-17	30-Nov-18	10-Jul-19	25-May-20
Sample ID			VP08-17	VP08-17	VP08-17	VP08-17	VP08-17	VP08-17	VP08-17	VP08-17	VP08-17	VP08-17	VP08-18	VP08-18	VP08-18	VP08-18	VP08-18	VP08-18	VP08-18	VP08-18	VP08-18	VP08-18	VP08-18	VP08-18
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																						
General Chemistry																								
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																								
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	<1.5	<0.75	<0.75	8.92	<0.75	<0.40	<0.40	<0.40	<0.40	<0.40	<0.75	<0.75	<2.7	<0.75	<0.75	<1.9	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	30.9	43.1	253	642	145	8.94	210	205	158	125	<1.4	<1.4	<4.9	7.0	<1.4	<3.4	<0.68	1.29	0.75	<0.68	1.78	0.96
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	3.4	4.2	21.7	88.0	14.9	1.40	14.5	12.0	16.7	8.09	<1.6	<1.6	<5.8	<1.6	<1.6	<4.0	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	3.51	2.13	0.86	<0.46	<0.46	<0.26	<0.26	<0.26	0.64	<0.26	1.37	1.52	17.9	11.3	<0.46	<1.2	1.31	0.61	8.17	<0.26	4.54	<0.26
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP08-19								VP08-40								VP08-41				
Sample Date			7-Jun-10	10-Nov-11	10-Nov-11		26-Jun-12	24-Jul-13	18-Sep-14	12-Jun-17	8-Jun-10	9-Nov-11	26-Jun-12	18-Sep-14	1-Dec-15	15-Aug-16	7-Jun-17	30-Nov-18	8-Jun-10	9-Nov-11	25-Jun-12	18-Sep-14	15-Aug-16
Sample ID			VP08-19	VP08-19	VP08-19		VP08-19	VP08-19	VP08-19	VP08-19	VP08-40	VP08-40	VP08-40	VP08-40	VP08-40	VP08-40	VP08-40	VP08-40	VP08-41	VP08-41	VP08-41	VP08-41	VP08-41
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN		HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Work Order			HISTSV	HISTSV	HISTSV		UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Sample ID			UNKNOWN	UNKNOWN	Field Duplicate	RPD	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*				(%)																	
General Chemistry																							
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																							
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																							
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	<0.75	<0.75	<0.75	nc	<1.4	<0.75	<0.75	<0.40	<1.5	<0.75	<0.75	<1.9	<0.40	<0.40	<0.40	<0.40	<1.5	<0.75	<0.75	<0.75	<0.40
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	6.0	5.6	4.2	nc	21.9	21.0	<1.4	8.59	24.8	2.7	36.5	18.5	2.19	40.5	11.9	1.24	23.4	5.8	47.3	19.7	39.8
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	<1.6	<1.6	<1.6	nc	<2.9	2.2	<1.6	<0.54	<3.2	<1.6	2.2	<4.0	<0.54	<0.54	<0.54	<0.54	<3.2	<1.6	<1.6	<1.6	<0.54
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	<0.46	<0.46	<0.46	nc	<0.83	<0.46	3.73	<0.26	<0.92	<0.46	<0.46	<1.2	<0.26	<0.26	<0.26	<0.26	<0.92	<0.46	<0.46	<0.46	<0.26
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP08-42									VP12-1											VP12-2			
Sample Date			8-Jun-10	9-Nov-11	25-Jun-12	26-Jul-13	18-Sep-14	15-Aug-16	12-Jun-17	30-Nov-18	11-Jul-19	26-Jun-12	10-Sep-12	24-Jul-13	21-Oct-13	16-Sep-14	30-Nov-15	16-Aug-16	12-Jun-17	29-Nov-18	11-Jul-19	27-May-20	26-Jun-12	10-Sep-12	20-Feb-13	24-Jul-13
Sample ID			VP08-42	VP08-42	VP08-42	VP08-42	VP08-42	VP08-42	VP08-42	VP08-42	VP08-42	VP12-1	VP12-1	VP12-1	VP12-1	VP12-1	VP12-1	VP12-1	VP12-1	VP12-1	VP12-1	VP12-1	VP12-2	VP12-2	VP12-2	VP12-2
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																								
General Chemistry																										
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																										
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																										
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	<1.5	<0.75	<0.75	<0.75	<0.75	<0.40	<0.40	<0.40	0.77	1,220	2,790	1,610	650	1,040	345	6,980	1,210	166	223	138	3,600	16,100	633	14,700
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	10.4	2.8	27.6	29.1	10.4	24.0	20.7	1.06	25.2	**12,900[A]**	**30,800[A]**	**27,800[A]**	**6,400[A]**	**12,200[A]**	**4,210[A]**	**51,500[A]**	**12,900[A]**	1,020	2,930	1,560	**16,500[A]**	**50,900[A]**	1,220	**78,400[A]**
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	<3.2	<1.6	<1.6	<1.6	<1.6	<0.54	<0.54	<0.54	<0.54	**3,700[A]**	**8,920[A]**	**7,070[A]**	**1,720[A]**	**3,110[A]**	**1,050[A]**	**10,600[A]**	**2,790[A]**	**239[A]**	**870[A]**	**334[A]**	**15,200[A]**	**55,000[A]**	**1,800[A]**	**84,700[A]**
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	<0.92	<0.46	<0.46	<0.46	<0.46	<0.26	<0.26	<0.26	<0.26	<18	<23	<4.6	<10	<1.8	3.6	<5.8	<9.8	<0.51	<1.0	<1.0	**860[A]**	**7,220[A]**	6.66	**5,860[A]**
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP12-2 (Continued)									VP12-3									VP12-4								
Sample Date			30-Aug-13	21-Oct-13	16-Sep-14	30-Nov-15	16-Aug-16	12-Jun-17	29-Nov-18	11-Jul-19	27-May-20	26-Jun-12	10-Sep-12	24-Jul-13	16-Sep-14	30-Nov-15	16-Aug-16	12-Jun-17	11-Jul-19	27-May-20	28-Jun-12	10-Sep-12	20-Feb-13	24-Jul-13	18-Sep-14	1-Dec-15	15-Aug-16	7-Jun-17	25-May-20
Sample ID			VP12-2	VP12-2	VP12-2	VP12-2	VP12-2	VP12-2	VP12-2	VP12-2	VP12-2	VP12-3	VP12-3	VP12-3	VP12-3	VP12-3	VP12-3	VP12-3	VP12-3	VP12-3	VP12-4	VP12-4	VP12-4	VP12-4	VP12-4	VP12-4	VP12-4	VP12-4	VP12-4
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																											
General Chemistry																													
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																													
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																													
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	16,000	3,610	13,500	4,680	16,200	7,380	3,470	10,400	5,780	737	1,130	758	845	346	1,420	516	166	311	6.16	465	51.9	215	98.7	23.8	34.4	18.2	15.1
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	**62,700[A]**	**17,000[A]**	**9,220[A]**	**12,100[A]**	**90,300[A]**	**31,700[A]**	**10,800[A]**	**56,600[A]**	**27,000[A]**	**13,000[A]**	**24,800[A]**	**17,800[A]**	**10,800[A]**	**6,560[A]**	**31,000[A]**	**11,500[A]**	2,570	2,290	8.2	403	248	391	84.6	13.2	205	62.0	27.9
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	**59,100[A]**	**16,100[A]**	**38,000[A]**	**15,400[A]**	**82,200[A]**	**29,300[A]**	**10,900[A]**	**52,900[A]**	**22,300[A]**	**3,670[A]**	**7,190[A]**	**4,610[A]**	**2,860[A]**	**1,100[A]**	**4,470[A]**	**1,590[A]**	**426[A]**	**450[A]**	2.3	**302[A]**	130	**252[A]**	87.4	16.2	53.5	25.0	16.3
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	**5,660[A]**	**939[A]**	**3,430[A]**	**674[A]**	**2,350[A]**	**295[A]**	**393[A]**	**192[A]**	<24	<18	<23	<4.6	<0.46	<5.6	<21	<2.6	<0.82	<1.9	<0.46	1.17	<0.46	<0.46	<0.46	<0.26	<0.26	<0.26	<0.26
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP12-5		VP12-6		VP12-7		VP12-8		VP12-9		VP13-1	VP13-2	VP14-1								VP14-2					
Sample Date			23-Oct-12	22-Feb-13	23-Oct-12	22-Feb-13	23-Oct-12	22-Feb-13	1-Nov-12	22-Feb-13	1-Nov-12	22-Feb-13	26-Feb-13	5-Mar-13	25-Feb-14	15-Sep-14	2-Dec-15	16-Aug-16	8-Jun-17	19-Nov-18	10-Jul-19	17-Sep-20	25-Feb-14	15-Sep-14	16-Aug-16	19-Nov-18	10-Jul-19	17-Sep-20
Sample ID			VP12-5	VP12-5	VP12-6	VP12-6	VP12-7	VP12-7	VP12-8	VP12-8	VP12-9	VP12-9	VP13-1	VP13-2	VP14-1	VP14-1	VP14-1	VP14-1	VP14-1	VP14-1	VP14-1	VP14-1	VP14-2	VP14-2	VP14-2	VP14-2	VP14-2	VP14-2
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	UNKNOWN	HISTSV	UNKNOWN	HISTSV	UNKNOWN	HISTSV	UNKNOWN	HISTSV	UNKNOWN	HISTSV	UNKNOWN	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																										
General Chemistry																												
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																												
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																												
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	8.01	2.62	11.2	1.57	7.12	2.87	232	33.3	9.16	1.11	1.35	<0.40	4.60	97.1	14.7	76.1	25.3	24.8	17.7	7.47	<0.753	<0.75	<0.40	3.27	<0.40	0.79
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	114	18.8	323	29.8	547	25.8	3,250	241	75.3	5.78	42.7	10.2	350	**3,710[A]**	301	**3,830[A]**	1,150	427	1,200	1,000	45.5	42.8	27.0	127	25.2	47.2
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	36.2	7.03	81.7	8.2	189	12.7	**1,170[A]**	119	25.0	2.48	9.69	1.71	55.9	**653[A]**	81.7	**636[A]**	215	91.4	199	139	6.07	3.3	2.58	18.0	5.25	6.67
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	<0.46	<0.26	<0.46	<0.51	<0.46	<0.26	<1.2	<0.26	<0.46	<0.26	<0.26	<0.26	<0.460	<0.46	<0.26	<2.6	<0.26	<0.26	<0.51	<0.26	<0.460	<0.46	<0.26	<0.26	<0.26	<0.26
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP14-3								VP14-4					VP14-5						VP14-6		
Sample Date			25-Feb-14	15-Sep-14	16-Aug-16	8-Jun-17	20-Nov-18	13-May-19	15-Jul-19	17-Sep-20	4-Mar-14	16-Sep-14	9-Jun-17	19-Nov-18	10-Jul-19	2-Mar-14	15-Sep-14	1-Dec-15	19-Aug-16	23-Nov-18	17-Sep-20	2-Mar-14	15-Sep-14	1-Dec-15
Sample ID			VP14-3	VP14-3	VP14-3	VP14-3	VP14-3	VP14-3	VP14-3	VP14-3	VP14-4	VP14-4	VP14-4	VP14-4	VP14-4	VP14-5	VP14-5	VP14-5	VP14-5	VP14-5	VP14-5	VP14-6	VP14-6	VP14-6
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																						
General Chemistry																								
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																								
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																								
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	17.9	845	701	808	172	334	289	189	24.1	15.5	5.12	4.77	7.36	<0.753	<0.75	<0.40	0.48	<0.40	3.64	113	85.9	43.6
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	1,150	**17,000[A]**	**15,500[A]**	**13,700[A]**	**6,000[A]**	**5,580[A]**	**8,020[A]**	375	3,400	**4,630[A]**	2,000	2,730	2,070	3.39	31.6	5.77	84.5	6.39	16.2	818	1,220	177
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	140	**2,970[A]**	**3,180[A]**	**2,660[A]**	**944[A]**	**924[A]**	**1,440[A]**	**381[A]**	113	165	104	141	179	<1.61	3.5	1.15	12.3	0.62	9.3	114	**280[A]**	59.2
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	<0.460	26.0	<9.9	<8.5	<1.2	<1.9	<4.1	<0.26	<0.460	<0.46	<0.64	<0.64	<0.51	<0.460	<0.46	<0.26	<0.26	<0.26	<0.51	<0.460	<0.46	<0.26
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location			VP14-7						VP14-8				VP14-9				VP14-10												VP19-1	
Sample Date			27-Feb-14	15-Sep-14	8-Jun-17	20-Nov-18	10-Jul-19	17-Sep-20	25-Feb-14	16-Sep-14	20-Nov-18	17-Sep-20	2-Mar-14	16-Sep-14	19-Aug-16	16-Jul-19	2-Mar-14	16-Sep-14	2-Dec-15	19-Aug-16	8-Jun-17	20-Nov-18	13-May-19	11-Jul-19	13-Dec-19	17-Sep-20	16-Dec-20	11-Jul-19	25-May-20
Sample ID			VP14-7	VP14-7	VP14-7	VP14-7	VP14-7	VP14-7	VP14-8	VP14-8	VP14-8	VP14-8	VP14-9	VP14-9	VP14-9	VP14-9	VP14-10	VP14-10	VP14-10	VP14-10	VP14-10	VP14-10	VP14-10	VP14-10	VP14-10	VP14-10	VP14-10	VP19-01	VP19-01
Sampling Company			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Laboratory Work Order			HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV	HISTSV
Laboratory Sample ID			UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
Sample Type	Units	Soil Vapour Criteria*																												
General Chemistry																														
Pressure on Receipt	psi	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons																														
Aliphatic >C5-C6	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C6-C8	µg/m3	8,223,673[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C8-C10	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C10 - C12	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aliphatic >C12 - C16	µg/m3	446,939[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C7-C8 (TEX Excluded)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C8-C10	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C10 - C12	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aromatic >C12 - C16	µg/m3	89,388[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds-Calculated																														
Acetone	µg/m3	2,860,408[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/m3	406[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Chloride	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform (Tribromomethane)	µg/m3	13,750[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	µg/m3	894[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butadiene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride (Tetrachloromethane)	µg/m3	358[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene (Monochlorobenzene)	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane (Ethyl Chloride)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/m3	17,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,2-	µg/m3	107,265[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorobenzene, 1,4-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (Freon 12)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,1-	µg/m3	29,498[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	µg/m3	34[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, 1,1-	µg/m3	35,755[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloroethene, cis-1,2-	µg/m3	26,816[A]	<0.753	<1.9	<0.40	1.33	<0.40	<0.40	<0.753	<0.75	<0.40	<0.40	<0.753	15.6	2.98	<0.40	180	192	45.7	346	211	527	28.4	129	71.0	259	50.8	<0.40	<0.40	
Dichloroethene, trans-1,2-	µg/m3	10,727[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 1,2-	µg/m3	715[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/m3	223[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, trans-1,3-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorotetrafluoroethane, 1,2- (Freon 114)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dioxane, 1,4-	µg/m3	643,592[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethanol	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/m3	357,551[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/m3	1.49[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyltoluene, 4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane (C7)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/m3	41[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane (n-Hexane)	µg/m3	536,300[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexanone, 2- (Methyl Butyl Ketone)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropyl Alcohol (2-Propanol)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/m3	250,687[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Isobutyl Ketone (MIBK)	µg/m3	150,412[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert-butyl ether (MTBE)	µg/m3	3,438[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride (Dichloromethane)	µg/m3	38,864[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	µg/m3	661[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Propene	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/m3	46,482[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,1,2-	µg/m3	121[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethane, 1,1,2,2-	µg/m3	15[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene (PCE)	µg/m3	3,438[A]	142	113	31.3	38.5	120	73.7	30.7	120	16.0	213	48.2	693	477	255	**3,950[A]**	**6,640[A]**	1,040	**12,900[A]**	**8,150[A]**	**21,700[A]**	1,410	**4,440[A]**	2,910	**13,500[A]**	1,460	7.47	2.03	
Tetrahydrofuran	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/m3	893,878[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorobenzene, 1,2,4-	µg/m3	1,430[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,1-	µg/m3	178,776[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethane, 1,1,2-	µg/m3	56[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene (TCE)	µg/m3	218[A]	3.15	<4.0	0.76	<0.54	0.59	<0.54	<1.61	2.3	<0.54	1.24	<1.61	53.2	29.8	8.50	**1,300[A]**	**1,700[A]**	**476[A]**	**4,080[A]**	**3,520[A]**	**7,160[A]**	**396[A]**	**1,780[A]**	**786[A]**	**3,270[A]**	**591[A]**	1.68	<0.54	
Trichlorofluoromethane (Freon 11)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorotrifluoroethane (Freon 113)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylpentane, 2,2,4-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Bromide (Bromoethene)	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/m3	102[A]	<0.460	<1.2	<0.26	<0.26	<0.26	<0.26	<0.460	<0.46	<0.26	<0.26	<0.460	<0.46	<0.26	<0.26	<0.460	<0.46	<0.26	<11	<1.0	<6.9	<0.64	<1.3	<1.5	<0.77	<0.64	<0.26	<0.26	
Xylene, m & p-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylene, o-	µg/m3	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/m3	125,143[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table IVb
Summary of Historical Soil Vapour Analytical Results
Proposed Hintonburg Development
Taggart Realty Management

Notes:

Soil Vapour Criteria*	Site specific criteria
^	Soil vapour criteria - established by adjusting the Health Based Indoor Air Criteria (HBIAC) for attenuation through floor slab of a commercial building.
6.5A	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
<0.50	Laboratory reporting limit was greater than the applicable standard.
<0.03	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
<	Less than.
RPD	Relative Percent Difference.
61%	RPD exceeds data quality objective of 50%.
nc	RPD is not calculated if one or more values is non detect or if one or more values is less than five times the reportable detection limit.

Table V
Summary of Waste Characterization Results
Proposed Hintonburg Development
Taggart Realty Management

Sample Location				TCLP
Sample Date				26-Jun-23
Sample ID				TCLP
Sampling Company				STANTEC
Laboratory				PARACEL
Laboratory Work Order				2326109
Laboratory Sample ID				2326109-01
Sample Type	Units	O.Reg 362	O.Reg. 347 Sch 4	
General Chemistry - TCLP				
Cyanide (Free)	mg/L	n/v	20[B]	<0.02
Fluoride	mg/L	n/v	150[B]	0.28
Nitrate (as N)	mg/L	n/v	n/v	<1
Nitrite (as N)	mg/L	n/v	n/v	<1
pH, lab	S.U.	n/v	n/v	7.62
Ignitability				
Ignitability	none	n/v	n/v	Negative
Physical Properties				
Percent Solids	%wt	n/v	n/v	93.5
Metals - TCLP				
Arsenic	mg/L	n/v	2.5[B]	<0.05
Barium	mg/L	n/v	100[B]	0.91
Boron	mg/L	n/v	500[B]	<0.10
Cadmium	mg/L	n/v	0.5[B]	<0.01
Chromium	mg/L	n/v	5[B]	<0.05
Lead	mg/L	n/v	5[B]	<0.05
Mercury	mg/L	n/v	0.1[B]	<0.005
Selenium	mg/L	n/v	1[B]	<0.05
Silver	mg/L	n/v	5[B]	<0.05
Uranium	mg/L	n/v	10[B]	<0.05
Polychlorinated Biphenyls				
Polychlorinated Biphenyls (PCBs)	µg/g	50[A]	n/v	<0.05
Semi-Volatile Organic Compounds - TCLP				
Benzo(a)pyrene	mg/L	n/v	0.001[B]	<0.001
Cresol, m & p- (Methylphenol, 3&4-)	mg/L	n/v	200[B]	<0.001
Cresol, o- (Methylphenol, 2-)	mg/L	n/v	200[B]	<0.001
Dichlorophenol, 2,4-	mg/L	n/v	90[B]	<0.001
Dinitrotoluene, 2,4-	mg/L	n/v	0.13[B]	<0.001
Hexachlorobenzene	mg/L	n/v	0.13[B]	<0.050
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	mg/L	n/v	0.5[B]	<0.001
Hexachloroethane	mg/L	n/v	3[B]	<0.001
Methyl Ethyl Ketone (MEK) (2-Butanone)	mg/L	n/v	200[B]	<0.30
Nitrobenzene	mg/L	n/v	2[B]	<0.001
Pentachlorophenol	mg/L	n/v	6[B]	<0.005
Tetrachlorophenol, 2,3,4,6-	mg/L	n/v	10[B]	<0.002
Trichlorophenol, 2,4,5-	mg/L	n/v	400[B]	<0.001
Trichlorophenol, 2,4,6-	mg/L	n/v	0.5[B]	<0.001
Volatile Organic Compounds - TCLP				
Benzene	mg/L	n/v	0.5[B]	<0.005
Carbon Tetrachloride (Tetrachloromethane)	mg/L	n/v	0.5[B]	<0.005
Chlorobenzene (Monochlorobenzene)	mg/L	n/v	8[B]	<0.004
Chloroform (Trichloromethane)	mg/L	n/v	10[B]	<0.006
Dichlorobenzene, 1,2-	mg/L	n/v	20[B]	<0.004
Dichlorobenzene, 1,4-	mg/L	n/v	0.5[B]	<0.004
Dichloroethane, 1,2-	mg/L	n/v	0.5[B]	<0.005
Dichloroethene, 1,1-	mg/L	n/v	1.4[B]	<0.006
Methylene Chloride (Dichloromethane)	mg/L	n/v	5[B]	<0.04
Tetrachloroethene (PCE)	mg/L	n/v	3[B]	<0.005
Trichloroethene (TCE)	mg/L	n/v	5[B]	<0.004
Vinyl Chloride	mg/L	n/v	0.2[B]	<0.005

Notes:

O.Reg 362	R.R.O. 1990, Regulation 362, Waste Management - PCBs
[A]	MOE O.Reg. 362 of R.R.O. 1990
O.Reg. 347 Sch 4	Ontario Ministry of the Environment
[B]	MOE O.Reg. 347 of R.R.O. 1990 - Schedule 4 – Leachate Quality Criteria
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
<0.50	Laboratory reporting limit was greater than the applicable standard.
<0.03	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.

Table VI
Summary of Soil Maximum Concentrations
Proposed Hintonburg Development
Taggart Realty Management

Contaminant	Contaminant Identifier (CAS)	Units	Maximum Measured Concentration	Location of Maximum Detect	Depth of Maximum Detect	Date of Maximum Detect	Maximum Reporting Limit for Non-Detects	Count of Locations Samples	Count of Samples	Site Specific	Ontario SCS Table 7 RPI	Exceed for Site Specific	Exceed for Ontario SCS Table 7 RPI
General Chemistry													
Cyanide (Free)	57-12-5FREE	ug/g	(<0.03)	n/a	n/a	n/a	0.03	8	9	n/v	0.051	No	No
Electrical Conductivity, Lab	CONDLAB	uS/cm	999	BH23-4	0.1-0.7	26-Jun-23	5	8	9	n/v	0.7	No	Yes
Fraction of Organic Carbon Rep.#1	FOC1	g/g	0.077	BH23-7	0.1-0.8	26-Jun-23	0.005	3	4	n/v	n/v	No	No
Fraction of Organic Carbon Rep.#2	FOC2	g/g	0.075	BH23-7	0.1-0.8	26-Jun-23	0.005	3	4	n/v	n/v	No	No
Fraction of Organic Carbon Rep.#3	FOC3	g/g	0.078	BH23-7	0.1-0.8	26-Jun-23	0.005	3	4	n/v	n/v	No	No
pH, lab	PHLAB	S.U.	7.96	BH23-7	0.1-0.8	26-Jun-23	0.05	8	9	n/v	n/v	No	No
Sodium Adsorption Ratio (SAR)	7440-23-5AR	none	3.27	BH23-4	0.1-0.7	26-Jun-23	0.01	8	9	n/v	5	No	No
Physical Properties													
Percent Solids	SOLIDS	%wt	97.1	BH23-5	0.1-1	26-Jun-23	0.1	10	12	n/v	n/v	No	No
Sieve - #200 (<0.075mm)	SIEVE200<	%	36.6	BH23-1	0.3-1.2	26-Jun-23	0.1	4	4	n/v	n/v	No	No
Sieve - #200 (>0.075mm)	SIEVE200	%	77.8	BH23-6	0.1-0.7	26-Jun-23	0.1	4	4	n/v	n/v	No	No
Texture	TEXTURE	%	(<0.1)	n/a	n/a	n/a	0.1	4	4	n/v	n/v	No	No
Petroleum Hydrocarbons													
PHC F1 (C6-C10 range) minus BTEX	PHC_F1-BTEX	ug/g	(<7)	n/a	n/a	n/a	7	10	12	n/v	55	No	No
PHC F2 (>C10-C16 range)	PHC_F2	ug/g	72	BH23-1	0.3-1.2	26-Jun-23	4	10	12	n/v	98	No	No
PHC F3 (>C16-C34 range)	PHC_F3	ug/g	1020	BH23-1	0.3-1.2	26-Jun-23	8	10	12	1224	300	No	Yes
PHC F4 (>C34) Gravimetric	PHC_F4G	ug/g	1110	BH23-6	0.1-0.7	26-Jun-23	50	8	9	n/v	2800	No	No
PHC F4 (>C34-C50 range)	PHC_F4	ug/g	846	BH23-1	0.3-1.2	26-Jun-23	6	10	12	n/v	2800	No	No
Metals													
Antimony	7440-36-0	ug/g	5	MW25-04	0.46-1.04	27-May-25	0.5	10	12	n/v	7.5	No	No
Arsenic	7440-38-2	ug/g	13	MW25-03	0.15-0.76	26-May-25	1	10	12	n/v	18	No	No
Barium	7440-39-3	ug/g	348	MW25-03	0.15-0.76	26-May-25	1	10	12	n/v	390	No	No
Beryllium	7440-41-7	ug/g	1.8	BH23-7	0.1-0.8	26-Jun-23	0.5	10	12	n/v	4	No	No
Boron	7440-42-8	ug/g	24.5	MW25-04	0.46-1.04	27-May-25	5	10	12	n/v	120	No	No
Boron (Available)	7440-42-8AVAIL	ug/g	2.5	MW25-03	0.76-1.37	26-May-25	0.5	2	3	n/v	1.5	No	Yes
Cadmium	7440-43-9	ug/g	2	BH23-7	0.1-0.8	26-Jun-23	0.2	10	12	2.4	1.2	No	Yes
Chromium	7440-47-3	ug/g	30.5	MW25-04	0.46-1.04	27-May-25	5	10	12	n/v	160	No	No
Chromium (Hexavalent)	18540-29-9	ug/g	(<0.2)	n/a	n/a	n/a	0.2	2	3	n/v	8	No	No
Cobalt	7440-48-4	ug/g	11.5	MW25-03	0.15-0.76	26-May-25	0.5	10	12	n/v	22	No	No
Copper	7440-50-8	ug/g	108	MW25-03	0.15-0.76	26-May-25	5	10	12	n/v	140	No	No
Lead	7439-92-1	ug/g	265	MW25-04	0.46-1.04	27-May-25	1	10	12	245	120	Yes	Yes
Molybdenum	7439-98-7	ug/g	4.9	MW25-03	0.15-0.76	26-May-25	1	10	12	n/v	6.9	No	No
Nickel	7440-02-0	ug/g	26.2	MW25-03	0.15-0.76	26-May-25	5	10	12	n/v	100	No	No
Selenium	7782-49-2	ug/g	2	BH23-7	0.1-0.8	26-Jun-23	1	10	12	n/v	2.4	No	No
Silver	7440-22-4	ug/g	2.2	BH23-7	0.1-0.8	26-Jun-23	0.2	10	12	n/v	20	No	No
Thallium	7440-28-0	ug/g	2.3	BH23-7	0.1-0.8	26-Jun-23	1	10	12	2.76	1	No	Yes
Uranium	7440-61-1	ug/g	2.2	BH23-7	0.1-0.8	26-Jun-23	0.2	10	12	n/v	23	No	No
Vanadium	7440-62-2	ug/g	32.2	MW25-03	0.15-0.76	26-May-25	10	10	12	n/v	86	No	No
Zinc	7440-66-6	ug/g	199	MW25-04	0.46-1.04	27-May-25	5	10	12	n/v	340	No	No
Polycyclic Aromatic Hydrocarbons													
Acenaphthene	83-32-9	ug/g	1.24	BH23-4	0.1-0.7	26-Jun-23	0.02	10	12	n/v	7.9	No	No
Acenaphthylene	208-96-8	ug/g	0.47	BH23-1	0.3-1.2	26-Jun-23	0.02	10	12	0.56	0.15	Yes	Yes
Anthracene	120-12-7	ug/g	2.89	MW25-04	0.46-1.04	27-May-25	0.02	10	12	2.56	0.67	Yes	Yes
Benzo(a)anthracene	56-55-3	ug/g	3.93	MW25-04	0.46-1.04	27-May-25	0.40	10	12	4.62	0.5	No	Yes
Benzo(a)pyrene	50-32-8	ug/g	2.96	MW25-03	0.15-0.76	26-May-25	0.40	10	12	5.47	0.3	No	Yes
Benzo(b)fluoranthene	205-99-2	ug/g	3.56	BH23-4	0.1-0.7	26-Jun-23	0.40	10	12	4.27	0.78	No	Yes
Benzo(g,h,i)perylene	191-24-2	ug/g	2.01	MW25-03	0.15-0.76	26-May-25	0.40	10	12	n/v	6.6	No	No
Benzo(k)fluoranthene	207-08-9	ug/g	1.98	BH23-4	0.1-0.7	26-Jun-23	0.02	10	12	2.38	0.78	No	Yes
Chrysene	218-01-9	ug/g	3.72	MW25-04	0.46-1.04	27-May-25	0.40	10	12	n/v	7	No	No
Dibenzo(a,h)anthracene	53-70-3	ug/g	0.75	MW25-03	0.15-0.76	26-May-25	0.02	10	12	0.55	0.1	Yes	Yes
Fluoranthene	206-44-0	ug/g	10.7	BH23-4	0.1-0.7	26-Jun-23	0.40	10	12	12.8	0.69	No	Yes
Fluorene	86-73-7	ug/g	1.50	MW25-04	0.46-1.04	27-May-25	0.02	10	12	n/v	62	No	No
Indeno(1,2,3-cd)pyrene	193-39-5	ug/g	1.67	MW25-03	0.15-0.76	26-May-25	0.02	10	12	1.9	0.38	No	Yes
Methylnaphthalene (Total)	90120/91576	ug/g	1.23	MW25-03	0.15-0.76	26-May-25	0.04	10	12	n/v	0.99	No	Yes
Methylnaphthalene, 1-	90-12-0	ug/g	0.64	MW25-04	0.46-1.04	27-May-25	0.02	10	12	n/v	n/v	No	No
Methylnaphthalene, 2-	91-57-6	ug/g	0.62	MW25-03	0.15-0.76	26-May-25	0.02	10	12	n/v	n/v	No	No
Naphthalene	91-20-3	ug/g	0.42	MW25-03	0.15-0.76	26-May-25	0.01	10	12	n/v	0.6	No	No
Phenanthrene	85-01-8	ug/g	10.8	MW25-04	0.46-1.04	27-May-25	0.40	10	12	12.5	6.2	No	Yes
Pyrene	129-00-0	ug/g	8.11	BH23-4	0.1-0.7	26-Jun-23	0.40	10	12	n/v	78	No	No
Volatile Organic Compounds													
Acetone	67-64-1	ug/g	(<0.50)	n/a	n/a	n/a	0.50	10	12	n/v	16	No	No
Benzene	71-43-2	ug/g	(<0.02)	n/a	n/a	n/a	0.02	10	12	n/v	0.21	No	No
Bromodichloromethane	75-27-4	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	13	No	No
Bromoform (Tribromomethane)	75-25-2	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.27	No	No
Bromomethane (Methyl bromide)	74-83-9	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Carbon Tetrachloride (Tetrachloromethane)	56-23-5	ug/g	(<0.2)	n/a	n/a	n/a	0.2	10	12	n/v	0.05	No	No
Chlorobenzene (Monochlorobenzene)	108-90-7	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	2.4	No	No
Chloroform (Trichloromethane)	67-66-3	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Dibromochloromethane	124-48-1	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	9.4	No	No
Dichlorobenzene, 1,2-	95-50-1	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	3.4	No	No
Dichlorobenzene, 1,3-	541-73-1	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	4.8	No	No
Dichlorobenzene, 1,4-	106-46-7	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.083	No	No
Dichlorodifluoromethane (Freon 12)	75-71-8	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	16	No	No
Dichloroethane, 1,1-	75-34-3	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	3.5	No	No
Dichloroethane, 1,2-	107-06-2	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Dichloroethene, 1,1-	75-35-4	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Dichloroethene, cis-1,2-	156-59-2	ug/g	0.17	BH23-1	0.3-1.2	26-Jun-23	0.05	10	12	n/v	3.4	No	No
Dichloroethene, trans-1,2-	156-60-5	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.084	No	No
Dichloropropane, 1,2-	78-87-5	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Dichloropropene, 1,3- (sum of isomers cis + trans)	542-75-6	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Dichloropropene, cis-1,3-	10061-01-5	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	n/v	No	No
Dichloropropene, trans-1,3-	10061-02-6	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	n/v	No	No
Ethylbenzene	100-41-4	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	2	No	No
Ethylene Dibromide (Dibromoethane, 1,2-)	106-93-4	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Hexane (n-Hexane)	110-54-3	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	2.8	No	No
Methyl Ethyl Ketone (MEK) (2-Butanone)	78-93-3	ug/g	(<0.50)	n/a	n/a	n/a	0.50	10	12	n/v	16	No	No
Methyl Isobutyl Ketone (MIBK)	108-10-1	ug/g	(<0.50)	n/a	n/a	n/a	0.50	10	12	n/v	1.7	No	No
Methyl tert-butyl ether (MTBE)	1634-04-4	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.75	No	No
Methylene Chloride (Dichloromethane)	75-09-2	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.1	No	No
Styrene	100-42-5	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.7	No	No
Tetrachloroethane, 1,1,1,2-	630-20-6	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.058	No	No
Tetrachloroethane, 1,1,2,2-	79-34-5	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Tetrachloroethene (PCE)	127-18-4	ug/g	3.94	BH23-2	0.3-1.5	26-Jun-23	0.5	10	12	4.73	0.28	No	Yes
Toluene	108-88-3	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	2.3	No	No
Trichloroethane, 1,1,1-	71-55-6	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.38	No	No
Trichloroethane, 1,1,2-	79-00-5	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	0.05	No	No
Trichloroethene (TCE)	79-01-6	ug/g	0.36	BH23-2	0.3-1.5	26-Jun-23	0.05	10	12	0.43	0.061	No	Yes
Trichlorofluoromethane (Freon 11)	75-69-4	ug/g	(<0.05)	n/a	n/a	n/a	0.05	10	12	n/v	4	No	No
Vinyl Chloride	75-01-4	ug/g	(<0.02)	n/a	n/a	n/a	0.02	10	12	n/v	0.02	No	No
Xylene, m & p-	108383/106423	ug/g	0.09	MW25-04	0.46-1.04	27-May-25	0.05	10	12	n/v	n/v	No	No
Xylene, o-	95-47-6	ug/g	0.10	MW25-03	0.15-0.76	26-May-25	0.05	10	12	n/v	n/v	No	No
Xylenes, Total	1330-20-7	ug/g	0.17	MW25-03	0.15-0.76	26-May-25	0.05	10	12	n/v	3.1	No	No

Notes:

Site Specific	Stantec Property Specific Standard from Risk Assessment
Ontario SCS	Soil, Ground Water and Sediment Standards for Use under Part XV.I of the Environmental Protection Act (MOE, 2011) Site Condition Standards (SCS)
	Table 7 - Residential / Parkland / Institutional Property Use - Coarse Textured Soils
n/a	not available
n/v	no value
(<0.050)	The analyte was never detected above the laboratory reporting limit, the maximum reporting limit is displayed
15.7 (<24)	The analyte was detected, but there was a non-detect with a higher laboratory reporting limit

Table VII
Summary of Groundwater Maximum Concentrations
Proposed Hintonburg Development
Taggart Realty Management

Conaminant	Units	Maximum	Location of Maximum Detect	Date of Maximum Detect	Maximum Reporting Limit for Non-Detects	Minium Reporting Limit for Non-Detects	Count of Locations Samples	Count of Samples *	Site Specific	Ontario SCS Table 7	Exceed for Site Specific	Exceed for Ontario SCS Table 7
General Chemistry												
Chloride	mg/L	4320	MW19-12B	29-Jun-23	5	1	18	20	n/v	1800	No	Yes
Cyanide (Free)	ug/L	(<2)	n/a	n/a	2	2	18	20	n/v	52	No	No
pH, lab	S.U.	8.1	MW00-4/MW01-10/MW08-31A	28-Jun-23	0.1	0.1	18	20	n/v	n/v	No	No
Petroleum Hydrocarbons												
PHC F1 (C6-C10 range) minus BTEX	µg/L	38100	MW01-10	17-Jun-25	125000	25	22	38	41760	420	No	Yes
PHC F2 (>C10-C16 range)	µg/L	622000	MW01-10	17-Jun-25	100	100	22	38	375600	150	Yes	Yes
PHC F3 (>C16-C34 range)	µg/L	498000	MW01-10	17-Jun-25	100	100	22	38	380400	500	Yes	Yes
PHC F4 (>C34-C50 range)	µg/L	235000	MW01-10	17-Jun-25	100	100	22	38	170400	500	Yes	Yes
Metals												
Antimony	ug/L	8.0	MW08-33A	30-Jun-23	0.5	0.5	19	21	n/v	16000	No	No
Arsenic	ug/L	17	MW16-01	29-Jun-23	1	1	19	21	n/v	1500	No	No
Barium	ug/L	4750	MW19-12B	29-Jun-23	10	1	19	21	n/v	23000	No	No
Beryllium	ug/L	(<0.5)	n/a	n/a	0.5	0.5	19	21	n/v	53	No	No
Boron	ug/L	1840	MW08-33A	30-Jun-23	100	10	19	21	n/v	36000	No	No
Cadmium	ug/L	0.1	MW08-33A	30-Jun-23	0.1	0.1	19	21	n/v	2.1	No	No
Chromium	ug/L	1	MW19-13A	30-Jun-23	1	1	19	21	n/v	640	No	No
Chromium (Hexavalent)	ug/L	(<10)	n/a	n/a	10	10	1	1	n/v	110	No	No
Cobalt	ug/L	8.8	MW08-33A	30-Jun-23	0.5	0.5	19	21	n/v	52	No	No
Copper	ug/L	21.0	MW00-4	28-Jun-23	0.5	0.5	19	21	n/v	69	No	No
Lead	ug/L	0.4	MW19-13A	30-Jun-23	0.1	0.1	19	21	n/v	20	No	No
Mercury	ug/L	(<0.1)	n/a	n/a	0.1	0.1	1	1	n/v	0.1	No	No
Molybdenum	ug/L	130	MW08-31A	30-Jun-23	0.5	0.5	19	21	n/v	7300	No	No
Nickel	ug/L	59	MW08-33A	30-Jun-23	1	1	19	21	n/v	390	No	No
Selenium	ug/L	5	MW16-01	29-Jun-23	1	1	19	21	n/v	50	No	No
Silver	ug/L	(<0.1)	n/a	n/a	0.1	0.1	19	21	n/v	1.2	No	No
Sodium	ug/L	1360000	MW19-12B	29-Jun-23	9580	200	19	21	n/v	1800000	No	No
Thallium	ug/L	0.4	MW00-6	29-Jun-23	0.1	0.1	19	21	n/v	400	No	No
Uranium	ug/L	14.2	MW08-33A	30-Jun-23	0.1	0.1	19	21	n/v	330	No	No
Vanadium	ug/L	21.3	MW16-01	29-Jun-23	0.5	0.5	19	21	n/v	200	No	No
Zinc	ug/L	118	MW08-33A	30-Jun-23	5	5	19	21	n/v	890	No	No
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	ug/L	4.36	MW01-10	25-Sep-24	25.0	0.05	22	32	n/v	17	No	No
Acenaphthylene	ug/L	0.07	MW25-05	16-Jun-25	25.0	0.05	22	32	6	1	No	No
Anthracene	ug/L	20.2	MW01-10	17-Jun-25	1.00	0.01	22	32	6.68	1	Yes	Yes
Benzo(a)anthracene	ug/L	53.9	MW01-10	17-Jun-25	1.00	0.01	22	32	9.97	1.8	Yes	Yes
Benzo(a)pyrene	ug/L	41.6	MW01-10	17-Jun-25	1.00	0.01	22	32	12.47	0.81	Yes	Yes
Benzo(b)fluoranthene	ug/L	65.7	MW01-10	17-Jun-25	5.00	0.05	22	32	8.03	0.75	Yes	Yes
Benzo(g,h,i)perylene	ug/L	13.3	MW19-12B	29-Jun-23	25.0	0.05	22	32	16	0.2	No	Yes
Benzo(k)fluoranthene	ug/L	27.2	MW01-10	17-Jun-25	5.00	0.05	22	32	6	0.4	Yes	Yes
Chrysene	ug/L	82.4	MW01-10	17-Jun-25	5.00	0.05	22	32	8.52	0.7	Yes	Yes
Dibenzo(a,h)anthracene	ug/L	0.27	MW14-2	29-Jun-23	25.0	0.05	22	32	6	0.4	No	Yes
Fluoranthene	ug/L	165	MW01-10	17-Jun-25	1.00	0.01	22	32	n/v	44	No	Yes
Fluorene	ug/L	32.3	MW01-10	17-Jun-25	5.00	0.05	22	32	n/v	290	No	No
Indeno(1,2,3-cd)pyrene	ug/L	35.7	MW01-10	17-Jun-25	1.00	0.05	22	32	10.2	0.2	Yes	Yes
Methylnaphthalene (Total)	ug/L	524	MW01-10	17-Jun-25	10.0	0.10	22	32	n/v	1500	No	No
Methylnaphthalene, 1-	ug/L	195	MW01-10	17-Jun-25	5.00	0.05	22	32	n/v	n/v	No	No
Methylnaphthalene, 2-	ug/L	330	MW01-10	17-Jun-25	5.00	0.05	22	32	n/v	n/v	No	No
Naphthalene	ug/L	126	MW01-10	25-Sep-24	25.0	0.05	22	32	151	7	No	Yes
Phenanthrene	ug/L	234	MW01-10	17-Jun-25	5.00	0.05	22	32	n/v	380	No	No
Pyrene	ug/L	118	MW01-10	17-Jun-25	1.00	0.01	22	32	n/v	5.7	No	Yes
Volatile Organic Compounds												
Acetone	µg/L	12600	E3	29-Jun-23	25000	5.0	25	62	n/v	100000	No	No
Benzene	µg/L	2080	MW08-33A	26-Sep-24	2500	0.5	25	62	2496	0.5	No	Yes
Bromodichloromethane	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	67000	No	No
Bromoform (Tribromomethane)	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	5	No	No
Bromomethane (Methyl bromide)	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	0.89	No	No
Carbon Tetrachloride (Tetrachloromethane)	µg/L	(<0.2)	n/a	n/a	1000	0.2	25	62	n/v	0.2	No	No
Chlorobenzene (Monochlorobenzene)	µg/L	4.3	MW01-10	17-Jun-25	2500	0.5	25	62	n/v	140	No	No
Chloroform (Trichloromethane)	µg/L	0.8	MW25-05	16-Jun-25	2500	0.5	25	62	n/v	2	No	No
Dibromochloromethane	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	65000	No	No
Dichlorobenzene, 1,2-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	150	No	No
Dichlorobenzene, 1,3-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	7600	No	No
Dichlorobenzene, 1,4-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	0.5	No	No
Dichlorodifluoromethane (Freon 12)	µg/L	(<1.0)	n/a	n/a	5000	1.0	25	62	n/v	3500	No	No
Dichloroethane, 1,1-	µg/L	190	MW08-33A	18-Jun-25	2500	0.5	25	62	n/v	11	No	No
Dichloroethane, 1,2-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	0.5	No	No
Dichloroethene, 1,1-	µg/L	151	MW08-33A	18-Jun-25	2500	0.5	25	62	168	0.5	No	Yes
Dichloroethene, cis-1,2-	µg/L	390000	MW14-1A	20-Sep-18	10	0.1	159	1988	468000	1.6	No	Yes
Dichloroethene, trans-1,2-	µg/L	900	MW19-12A	25-Sep-24	2500	0.5	25	62	1080	1.6	No	Yes
Dichloropropane, 1,2-	µg/L	3.0	E3	7-Nov-24	2500	0.5	25	62	4	0.58	No	Yes
Dichloropropene, 1,3- (sum of isomers cis + trans)	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	0.5	No	No
Dichloropropene, cis-1,3-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	n/v	No	No
Dichloropropene, trans-1,3-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	n/v	No	No
Ethylbenzene	µg/L	160	MW14-1B	27-Sep-24	2500	0.5	25	62	192	54	No	Yes
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	(<0.2)	n/a	n/a	1000	0.2	25	62	n/v	0.2	No	No
Hexane (n-Hexane)	µg/L	(<1.0)	n/a	n/a	5000	1.0	25	62	n/v	5	No	No
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	167	MW16-01	29-Jun-23	25000	5.0	25	62	n/v	21000	No	No
Methyl Isobutyl Ketone (MIBK)	µg/L	19.0	E3	29-Jun-23	25000	5.0	25	62	n/v	5200	No	No
Methyl tert-butyl ether (MTBE)	µg/L	(<2.0)	n/a	n/a	10000	2.0	25	62	n/v	15	No	No
Methylene Chloride (Dichloromethane)	µg/L	5.6	MW14-1B	27-Sep-24	25000	5.0	25	62	n/v	26	No	No
Styrene	µg/L	4.5	MW01-10	17-Jun-25	2500	0.5	25	62	n/v	43	No	No
Tetrachloroethane, 1,1,1,2-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	1.1	No	No
Tetrachloroethane, 1,1,2,2-	µg/L	4.8	MW19-12B	29-Jun-23	2500	0.5	25	62	6	0.5	No	Yes
Tetrachloroethene (PCE)	µg/L	460000	E4	2-Aug-17	250	0.10	159	1988	552000	0.5	No	Yes
Toluene	µg/L	1720	MW08-33A	26-Sep-24	2500	0.5	25	62	2064	320	No	Yes
Trichloroethane, 1,1,1-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	23	No	No
Trichloroethane, 1,1,2-	µg/L	(<0.5)	n/a	n/a	2500	0.5	25	62	n/v	0.5	No	No
Trichloroethene (TCE)	µg/L	98000	MW14-1A	42580	50	0.10	159	1988	117600	0.5	No	Yes
Trichlorofluoromethane (Freon 11)	µg/L	(<1.0)	n/a	n/a	5000	1.0	25	62	n/v	2000	No	No
Vinyl Chloride	µg/L	56000	E5	42851	2500	0.2	159	1988	181085	0.5	No	Yes
Xylene, m & p-	µg/L	413	MW14-1B	27-Sep-24	2500	0.5	25	62	n/v	n/v	No	No
Xylene, o-	µg/L	147	MW14-1B	27-Sep-24	2500	0.5	25	62	n/v	n/v	No	No
Xylenes, Total	µg/L	560	MW14-1B	27-Sep-24	2500	0.5	25	62	672	72	No	Yes

Notes:

Site Specific	Stantec Property Specific Standard from Risk Assessment
Ontario SCS	Soil, Ground Water and Sediment Standards for Use under Part XV.I of the Environmental Protection Act (MOE, 2011) Site Condition Standards (SCS) Table 7 - All Types of Property Use - Coarse Textured Soils
n/a	not available
n/v	no value
(<0.050)	The analyte was never detected above the laboratory reporting limit, the maximum reporting limit is displayed
15.7 (<24)	The analyte was detected, but there was a non-detect with a higher laboratory reporting limit
*	count includes primary/normal samples and field duplicate samples

Table VIII
Summary of Soil Vapour Maximum Concentrations
Proposed Hintonburg Development
Taggart Realty Management

Contaminant	Units	Maximum	Location of Maximum Detect	Date of Maximum Detect	Maximum Reporting Limit for Non-Detects	Minimum Reporting Limit for Non-Detects	Count of Locations Samples	Count of Samples *	Soil Vapour Criteria Stantec	Exceed
General Chemistry										
Pressure on Receipt	psi	(<0.01)	n/a	n/a	0.01	0.01	11	12	n/v	No
Petroleum Hydrocarbons										
Aliphatic >C10 - C12	ug/m3	130	VP07-1	09-Oct-24	210	5.0	11	24	446939	No
Aliphatic >C12 - C16	ug/m3	(<5.0)	n/a	n/a	210	5.0	11	24	446939	No
Aliphatic >C5-C6	ug/m3	29	VP14-10	18-Jun-25	210	5.0	11	24	n/v	No
Aliphatic >C6-C8	ug/m3	616	VP14-7	09-Oct-24	210	5.0	11	24	8223673	No
Aliphatic >C8-C10	ug/m3	48.8	VP12-2	17-Jun-25	210	5.0	11	24	446939	No
Sum of C>8-16 Aliphatic (detected)	ug/m3	144.6	VP07-1	09-Oct-24	0.01	0.01	11	23	446939	No
Sum of C>8-16 Aliphatic (incl ND = RDL)	ug/m3	150	VP14-4	18-Jun-25	630	5	11	23	446939	No
Aromatic >C10 - C12	ug/m3	23.7	VP12-2	17-Jun-25	210	5.0	11	24	89388	No
Aromatic >C12 - C16	ug/m3	(<5.0)	n/a	n/a	210	5.0	11	24	89388	No
Aromatic >C7-C8 (TEX Excluded)	ug/m3	(<5.0)	n/a	n/a	210	5.0	11	24	n/v	No
Aromatic >C8-C10	ug/m3	36.7	VP12-2	17-Jun-25	210	5.0	11	24	89388	No
Sum of C>8-16 Aromatic (detected)	ug/m3	60.4	VP12-2	17-Jun-25	0.01	0.01	11	23	89388	No
Sum of C>8-16 Aromatic (incl ND = RDL)	ug/m3	150	VP14-4	18-Jun-25	630	5	11	23	89388	No
Volatile Organic Compounds										
Dichloroethene, cis-1,2-	ug/m3	16200	VP12-2	16-Aug-16	6.3	0.01	41	325	26816	No
Tetrachloroethene (PCE)	ug/m3	90300	VP12-2	16-Aug-16	11	0.01	41	325	3438	Yes
Trichloroethene (TCE)	ug/m3	84700	VP12-2	24-Jul-13	14	0.01	41	325	218	Yes
Vinyl Chloride	ug/m3	7220	VP12-2	10-Sep-12	48	0.01	41	325	102	Yes
Volatile Organic Compounds-Calculated										
Acetone	ug/m3	245	VP14-7	09-Oct-24	60	1.4	11	37	2860408	No
Benzene	ug/m3	6.31	VP14-2	18-Jun-25	13	0.32	11	37	406	No
Benzyl Chloride	ug/m3	(<2.6)	n/a	n/a	110	2.6	11	37	n/v	No
Bromodichloromethane	ug/m3	(<1.3)	n/a	n/a	56	1.3	11	37	n/v	No
Bromoform (Tribromomethane)	ug/m3	(<2.1)	n/a	n/a	87	2.1	11	37	13750	No
Bromomethane (Methyl bromide)	ug/m3	(<0.39)	n/a	n/a	16	0.39	11	37	894	No
Butadiene, 1,3-	ug/m3	(<1.1)	n/a	n/a	46	1.1	11	37	n/v	No
Carbon Disulfide	ug/m3	16.2	VP12-1	21-Jun-23	65	1.6	11	37	n/v	No
Carbon Tetrachloride (Tetrachloromethane)	ug/m3	46.0	VP14-4	09-Oct-24	26	0.63	11	37	358	No
Chlorobenzene (Monochlorobenzene)	ug/m3	(<0.46)	n/a	n/a	19	0.46	11	37	178776	No
Chloroethane (Ethyl Chloride)	ug/m3	(<0.79)	n/a	n/a	33	0.79	11	37	n/v	No
Chloroform (Trichloromethane)	ug/m3	41	VP12-2	09-Oct-24	1.1	0.49	11	37	17878	No
Chloromethane	ug/m3	2.20	VP12-1	21-Jun-23	26	0.62	11	37	n/v	No
Cyclohexane	ug/m3	7.4	VP14-10	21-Jun-23	29	0.69	11	37	n/v	No
Dibromochloromethane	ug/m3	(<1.7)	n/a	n/a	72	1.7	11	37	n/v	No
Dichlorobenzene, 1,2-	ug/m3	(<0.60)	n/a	n/a	25	0.60	11	37	107265	No
Dichlorobenzene, 1,3-	ug/m3	(<2.4)	n/a	n/a	100	2.4	11	37	n/v	No
Dichlorobenzene, 1,4-	ug/m3	2.72	VP14-2	18-Jun-25	25	0.60	11	37	223	No
Dichlorodifluoromethane (Freon 12)	ug/m3	18.6	VP14-7	09-Oct-24	42	0.99	11	37	n/v	No
Dichloroethane, 1,1-	ug/m3	0.68	VP07-3	21-Jun-23	17	0.40	11	37	29498	No
Dichloroethane, 1,2-	ug/m3	0.54	VP14-2	18-Jun-25	17	0.40	11	37	34	No
Dichloroethene, 1,1-	ug/m3	(<0.40)	n/a	n/a	17	0.40	11	37	35755	No
Dichloroethene, trans-1,2-	ug/m3	557	VP12-2	09-Oct-24	4.0	0.40	11	37	10727	No
Dichloropropane, 1,2-	ug/m3	(<0.46)	n/a	n/a	19	0.46	11	37	715	No
Dichloropropene, cis-1,3-	ug/m3	(<0.45)	n/a	n/a	19	0.45	11	37	223	No
Dichloropropene, trans-1,3-	ug/m3	(<0.45)	n/a	n/a	19	0.45	11	37	n/v	No
Dichlorotetrafluoroethane, 1,2- (Freon 114)	ug/m3	(<1.2)	n/a	n/a	50	1.2	11	37	n/v	No
Dioxane, 1,4-	ug/m3	(<3.6)	n/a	n/a	150	3.6	11	37	643592	No
Ethanol	ug/m3	433	VP14-1	18-Jun-25	79	1.9	11	37	n/v	No
Ethyl Acetate	ug/m3	71.2	VP07-1	09-Oct-24	150	3.6	11	37	n/v	No
Ethylbenzene	ug/m3	9.39	VP12-2	17-Jun-25	18	0.43	11	37	357551	No
Ethylene Dibromide (Dibromoethane, 1,2-)	ug/m3	(<0.77)	n/a	n/a	32	0.77	11	37	1.49	No
Ethyltoluene, 4-	ug/m3	3.2	VP12-2	17-Jun-25	100	2.5	11	37	n/v	No
Heptane (C7)	ug/m3	107	VP14-7	09-Oct-24	52	1.2	11	37	n/v	No
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	ug/m3	(<5.3)	n/a	n/a	220	5.3	11	37	41	No
Hexane (n-Hexane)	ug/m3	27.8	VP14-2	18-Jun-25	30	0.70	11	37	536300	No
Hexanone, 2- (Methyl Butyl Ketone)	ug/m3	(<4.1)	n/a	n/a	170	4.1	11	37	n/v	No
Isopropyl Alcohol (2-Propanol)	ug/m3	531	VP14-7	09-Oct-24	100	2.5	11	37	n/v	No
Methyl Ethyl Ketone (MEK) (2-Butanone)	ug/m3	109	VP12-2	21-Jun-23	25	0.59	11	37	250687	No
Methyl Isobutyl Ketone (MIBK)	ug/m3	2.7	VP12-2	21-Jun-23	34	0.82	11	37	150412	No
Methyl tert-butyl ether (MTBE)	ug/m3	(<0.72)	n/a	n/a	30	0.72	11	37	3438	No
Methylene Chloride (Dichloromethane)	ug/m3	1220	VP14-4	09-Oct-24	88	2.1	11	37	38864	No
Naphthalene	ug/m3	1.1	VP14-1	09-Oct-24	44	1.0	11	37	661	No
Propene	ug/m3	11.7	VP12-2	17-Jun-25	2600	0.86	11	37	n/v	No
Styrene	ug/m3	4.37	VP12-1	21-Jun-23	18	0.43	11	37	46482	No
Tetrachloroethane, 1,1,1,2-	ug/m3	(<0.69)	n/a	n/a	29	0.69	11	37	121	No
Tetrachloroethane, 1,1,2,2-	ug/m3	(<0.69)	n/a	n/a	29	0.69	11	37	15	No
Tetrahydrofuran	ug/m3	(<1.2)	n/a	n/a	50	1.2	11	37	n/v	No
Toluene	ug/m3	187	VP14-4	09-Oct-24	16	0.38	11	37	893878	No
Toluene	ug/m3	187	VP12-2	21-Jun-23	16	0.38	11	37	893878	No
Trichlorobenzene, 1,2,4-	ug/m3	(<3.7)	n/a	n/a	160	3.7	11	37	1430	No
Trichloroethane, 1,1,1-	ug/m3	8.8	VP14-4	09-Oct-24	23	0.55	11	37	178776	No
Trichloroethane, 1,1,2-	ug/m3	(<0.55)	n/a	n/a	23	0.55	11	37	56	No
Trichlorofluoromethane (Freon 11)	ug/m3	33.3	VP14-7	21-Jun-23	47	1.1	11	37	n/v	No
Trichlorotrifluoroethane (Freon 113)	ug/m3	71.6	VP14-10	09-Oct-24	48	1.2	11	37	n/v	No
Trimethylbenzene, 1,2,4-	ug/m3	12.3	VP12-2	17-Jun-25	100	2.5	11	37	n/v	No
Trimethylbenzene, 1,3,5-	ug/m3	3.6	VP12-2	17-Jun-25	100	2.5	11	37	n/v	No
Trimethylpentane, 2,2,4-	ug/m3	1.90	VP14-2	18-Jun-25	39	0.93	11	37	n/v	No
Vinyl Acetate	ug/m3	(<0.70)	n/a	n/a	30	0.70	11	37	n/v	No
Vinyl Bromide (Bromoethene)	ug/m3	(<0.87)	n/a	n/a	37	0.87	11	37	n/v	No
Xylene, m & p-	ug/m3	27.3	VP12-2	17-Jun-25	36	0.87	11	37	n/v	No
Xylene, o-	ug/m3	13.1	VP12-2	17-Jun-25	18	0.43	11	37	n/v	No
Xylenes, Total	ug/m3	40.4	VP12-2	17-Jun-25	55	1.3	11	37	125143	No

Notes:

Soil Vapour Criteria	Site specific criteria
	Soil vapour criteria - established by adjusting the Health Based Indoor Air Criteria (HBIAC) for attenuation through floor slab of a comercial building
n/a	not available
n/v	no value
(<0.050)	The analyte was never detected above the laboratory reporting limit, the maximum reporting limit is displayed
15.7 (<24)	The analyte was detected, but there was a non-detect with a higher laboratory reporting limit
*	count includes primary/normal samples, field duplicate samples and lab replicates.

Appendix A Survey of Phase Two Property

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
V-66919

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY
ISSUED BY THE SURVEYOR
Regulation 1026, Section 29(3)

June 24, 2025

SURVEYOR'S REAL PROPERTY REPORT
PART 1 - PLAN OF SURVEY

LOTS 1156, 1158, 1159, 1160, 1161, 1162, 1163 & 1165
REGISTERED PLAN 157
CITY OF OTTAWA

Scale 1:150
2 0 2 4 6 8 10 METRES

METRIC CONVERSION
DISTANCES SHOWN ON THE PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

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BEARING NOTE

BEARINGS ARE GRID, DERIVED FROM CAN-NET VRS NETWORK GPS OBSERVATIONS ON NCC HORIZONTAL CONTROL MONUMENTS 19773035 AND 19680191, CENTRAL MERIDIAN, 76° 30' WEST LONGITUDE MTM ZONE 9, NAD83 (ORIGINAL).

19773035 N:5006060.42 E:324888.04
19680191 N:5033564.26 E:388064.94

FOR BEARING COMPARISONS, A ROTATION OF 0° 30' 40" COUNTER-CLOCKWISE HAS BEEN APPLIED TO BEARINGS ON P3 & P4.

AREA = 3538.02 sq. m

NOTE

THIS PLAN OF SURVEY IS TO BE READ IN CONJUNCTION WITH THE REPORT SUMMARY NOTED AS PART 2 HEREON.
THIS REPORT CAN ONLY BE UPDATED BY THIS OFFICE. NO ADDITIONAL PRINTS OF THIS ORIGINAL REPORT WILL BE ISSUED SUBSEQUENT TO THE DATE OF CERTIFICATION.
ALL TIES TO CURVED BOUNDARY ARE RADIAL TO ARC.
RISK OF UNDERGROUND SERVICES, MONUMENTATION PLANTED ACCORDINGLY.

PART 2

This Report was prepared for Taggart Realty Management and the undersigned accepts no responsibility for the use by other parties.
1. REGISTERED RIGHTS-OF-WAY/EASEMENTS
Subject to right-of-way over Part 3, 4R-1186 as in Inst. CR664868
2. PROPERTY IMPROVEMENTS
See Part 1, Plan of Survey for details.
3. COMPLIANCE WITH MUNICIPAL ZONING BYLAWS
Compliance is not certified by this report.
4. ADDITIONAL REMARKS
-

LEGEND

	DENOTES	
■	-	FOUND MONUMENTS
□	-	SET MONUMENTS
IB	-	IRON BAR
IB⌀	-	ROUND IRON BAR
SIB	-	STANDARD IRON BAR
SSIB	-	SHORT STANDARD IRON BAR
CC	-	CUT CROSS
CP	-	CONCRETE PIN
WIT	-	WITNESS
PIN	-	PROPERTY IDENTIFICATION NUMBER
MEAS, M	-	MEASURED
INST	-	INSTRUMENT
S	-	SET
OU	-	ORIGIN UNKNOWN
SG	-	STANTEC GEOMATICS LTD.
P	-	REGISTERED PLAN 157
P1	-	PLAN 4R-25821
P2	-	PLAN 4R-1186
P3	-	PLAN BY AOG DATED NOVEMBER 3, 2000
P4	-	PLAN BY H.A. KEN SHIPMAN LTD DATED MAY 10, 2010
P5	-	PLAN BY
ACU	-	AIR CONDITIONING UNIT
AN	-	ANCHOR
GSR	-	GAS SERVICE REGULATOR
HLS	-	HYDRO LIGHT STANDARD
LS	-	LIGHT STANDARD
PLBX	-	PULL BOX
MW	-	MONITORING WELL
TX1 / MW	-	MONITORING WELL FROM SPREADSHEET
TSL	-	TRAFFIC SIGNAL LIGHT
UP	-	UTILITY POLE
VC	-	VALVE CHAMBER
WV	-	WATER VALVE
OHW	-	OVERHEAD UTILITY WIRES
CATV		UNDERGROUND CABLE TV
T		UNDERGROUND TELEPHONE
P		UNDERGROUND HYDRO
WTM		WATERMAIN
G		GASMAIN
SAN		SANITARY SEWER
STM		STORM SEWER

REVISION NOTE

JUNE 18 2025 - ADDITIONAL MONITORING WELLS ADDED TO DRAWING

PLAN REVISION
REVISED NOVEMBER 28, 2024 TO SHOW 3rd PARTY UNDERGROUND SERVICES.
PLOTTED PER PDFS SUPPLIED BY CLIENT.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT :
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 16th DAY OF JANUARY, 2024.

DATE

BRIAN J. WEBSTER
ONTARIO LAND SURVEYOR

SRO MAP COORD.= 365040, 5029420

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M:\active\161614706-110\cad\drawing\123729424-002_01.dwg

Appendix B Sampling and Analysis Plan

Sampling and Analysis Plan

Proposed Hintonburg Development, Ottawa, Ontario

December 12, 2025

Prepared for:
Taggart Realty Management/1000147699 Ontario Inc.
225 Metcalfe Street, Suite 708
Ottawa ON K2P 1P9

Prepared by:
Stantec Consulting Ltd.

Project No.:
122170424

Stantec

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1 Introduction

Taggart Realty Management/1000147699 Ontario Inc. (the Client) retained Stantec Consulting Ltd. (Stantec) to conduct a Supplemental Phase Two Environmental Site Assessment (ESA) for the properties bounded by Spencer Street, Parkdale Avenue, Armstrong Street and, Hamilton Avenue North in Ottawa, Ontario, hereinafter referred to as the "Phase One Property", the "Phase Two Property", or the "Site". The Phase Two ESA was conducted to characterize soil and groundwater at the areas of potential environmental concern (APECs) identified as part of a Phase One ESA completed by Stantec for the contaminants of concern (COCs) associated with identified potentially contaminating activities (PCAs) and was completed consistent with the requirements of Ontario Regulation (O.Reg.)153/04. Soil and groundwater quality were assessed in the context of the applicable Ministry of the Environment, Conservation and Parks (MECP) (MOE, 2011) SCS as referenced by O.Reg.153/04.

This document is the Sampling and Analysis Plan (SAP) for the Supplemental Phase Two ESA. The preparation and inclusion of an SAP is a requirement of both the Canadian Standards Association Z769-00 Standard for conducting Phase II ESAs and O.Reg.153/04.

The SAP is a planning document and comprises four main parts:

Objectives Setting - the study purpose is defined as are the required quantity and quality of the environmental data to fulfill the study purpose.

Program Design & Planning - the location, type, number and timing of investigation sampling and measurements are developed.

Methods Selection & Specification - the methods used for sampling and measurement are selected and described, and

Quality Assessment - the procedures are specified to continuously confirm the design and mechanical components of the SAP are sufficient to meet the project objectives.

In Ontario, Phase Two ESAs follow a progression of study that requires the following understanding of key definitions, concepts and activities.

1. A "contaminant" is defined in the *Ontario Environmental Protection Act* (R.S.O. 1990) as any solid, liquid, gas, odor, heat, sound, vibration, radiation or combination of any of them resulting directly or indirectly from human activities that causes or may cause an adverse effect.
2. "contaminants of concern" are then defined in the Regulation as follows:
    a. One or more contaminants found on, in or under a property at a concentration that exceeds the applicable site condition standards for the property, or
    b. One or more contaminants found on, in or under a property for which no applicable site condition standard is prescribed under Part IX (Site Condition Standards and Risk Assessment) and which are associated with PCA.

3. A Phase One ESA consists of an historical records review, interviews with persons knowledgeable of a property's past and current use, and a site reconnaissance to identify PCAs on the property or properties within the Phase One Study Area with the potential to result in Areas of Potential Environmental Concern (APECs) on the property. Sample collection is generally not performed as part of a Phase One ESA. For each APEC identified, the Qualified Person (QP_{ESA}) develops a Conceptual Site Model (CSM) that describes the understanding (including inferences) of the type(s) of contaminants released, the release location(s), the media contaminated, and the contaminant fate & transport mechanisms. The CSM forms the "mental picture" of the APECs from which the Phase Two ESA sampling program is developed to characterize the APECs.
4. The Phase Two ESA is conducted to characterize each APEC. The SAP is the planning document that is prepared before field investigations commence. The SAP directs how the field investigations are conducted. As field investigations proceed, the site understanding evolves and thus, the project objectives, the SAP, and the nature of the field investigations evolve in an iterative fashion. The CSM is updated at the conclusion of the Phase Two ESA to document the actual site conditions encountered.

O.Reg.153/04 specifies numerous technical requirements for the planning, implementation and documentation of Phase Two ESAs in Ontario where the proponent plans to obtain an RSC. Many of these regulatory requirements are highlighted throughout this SAP to remind the reader of the importance of their inclusion in the SAP.

O.Reg.153/04 also requires that the SAP and Phase Two ESA be documented in sufficient detail to allow a third party to review the adequacy of the methods used.

2 Project Background

2.1 Project Overview

The Supplemental Phase Two ESA was conducted to delineate light non aqueous phase liquid (LNAPL) and to further characterize soil and groundwater in select APECs identified as part of a Phase One ESA completed by Stantec for the COCs associated with identified PCAs. The work was completed consistent with the requirements of O.Reg.153/04. Soil and groundwater quality were assessed in the context of the applicable MECP (MOE, 2011) SCS as referenced by O.Reg.153/04.

This SAP describes the planning and methodologies associated with work conducted at the Phase Two Property by Stantec.

2.2 Physical Impediments

The Regulation requires that the SAP include a description of any physical impediments that interfered with or limited the ability to conduct the sampling and analysis program.

There was no denial of access or other impediment during the Supplemental Phase Two ESA. The overall objectives of the investigation and assessment of APEC 1 to APEC 7 were reviewed and met.

3 Project Objectives and Data Quality Objectives

Project objectives are statements of the "bigger picture" questions to be answered or problems to be solved, usually expressed in terms of a statement that is readily understandable to the public (e.g., "Is the property contaminated?").

Data Quality Objectives (DQOs) specify the quantity and quality of the environmental data that is required to support project decisions or conclusions (alternate wording is that DQOs specify the tolerable level of uncertainty in decision-making). In turn, DQOs are used to specify the required quality of the measurements by specifying tolerable limits for the following Data Quality Indicators (DQIs): precision, accuracy, representativeness, comparability, and completeness (the "PARCC" criteria).

DQOs are iterative in nature and evolve as site characterization proceeds. Initially DQOs usually focus on assessing for the presence/absence of contamination at each of the APECs identified in the Phase One ESA. If the presence of contamination is confirmed, the DQOs will evolve to delineation of the lateral and vertical extents of soil contamination, delineation of the limits and plume stability state of groundwater contamination, and confirmation of the effectiveness of remedial measures, if implemented.

The following sections present the project objectives and DQOs set for the Site.

3.1 Project Objectives

The general objectives of the Supplemental Phase Two ESA are to:

- Attempt to delineate the LNAPL that was identified in 2024 at locations that permit drilling on the Phase Two property and further assess select APEC's identified during the Phase One ESA,
- To implement a quality assurance (QA) program designed to reduce errors and bias in sampling and analysis through implementation of assessment and control measures intended to confirm data are useful, appropriate, and accurate in the determination of whether the soil, groundwater, and sediment quality at a property meet applicable site condition standards or the standards specified in a risk assessment, and
- Conduct the Phase Two ESA to meet the requirements of the Regulation.

The primary project objective is to obtain an RSC for the Site. The soil and groundwater conditions will be assessed to the MECP Table 7 Site Condition Standards (SCS) for residential/parkland/institutional land use in a non-potable groundwater setting with coarse textured soils (MOE, 2011a), which is considered the future land use at the Site. Soil vapour results were compared to soil vapour criteria considered representative of concentrations below which no health risk would be expected for indoor receptors/occupants of the commercial buildings due to vapour intrusion. The soil vapour criteria were established by using a generic attenuation factor to adjust the MECP Health-Based Indoor Air Concentrations (HBIAC). The attenuation factor applied (0.004) is considered representative of vapour migration into a generic slab on grade commercial building. Future residential scenarios were not

evaluated for the purpose of this report but will be considered within a planned regulated risk assessment process.

Specific project objectives that have been established to fulfill the primary project objective (i.e., file an RSC) are to:

- Characterize the concentrations of contaminants in the surface and sub-surface soil at the Site.
- Characterize contaminant concentrations in groundwater beneath the Site.
- Delineate the lateral and vertical extent of contaminants on and beneath the Site to the extent practical, recognizing the site setting and CSM support using a non-standard delineation approach.
- Assess the stability of groundwater impacts identified at the Site.
- Determine if soil or groundwater impacts identified at the Site have the potential to extend off-site.

3.2 Data Quality Objectives

For convenience, the DQOs have been organized by the primary PARCC criteria to which Stantec considers specific DQOs relate. Given there can be overlap between project objectives, DQOs, DQIs, and technical specifications, it is recognized that different practitioners may organize the DQOs differently. DQOs and DQIs can be thought of as “rules” that define what is considered acceptable work/results. The standard operating procedure (SOP) for QA/QC, presented herein, provides further description for how each of the PARCC criteria is assessed.

3.2.1 Precision

The following DQOs have been established for precision.

- The relative percent difference (RPD) between parent and field duplicate or laboratory replicate samples will be calculated. The following screening-level acceptance criteria (BV, 2020) will be applied using guidance from BV (BV, 2020):
  - Polycyclic aromatic hydrocarbons (PAHs); RPD ≤ 40% for soil, ≤ 30% for groundwater.
  - Petroleum hydrocarbons (PHCs); RPD ≤ 30% for soil and groundwater.
  - Volatile organic compounds (VOCs); RPD ≤ 50% for soil, ≤ 30% for groundwater.
  - Metals and Inorganics; RPD ≤ 30% for soil, ≤ 20% for groundwater.
  - Available Boron; RPD ≤ 40% for soil and groundwater.
  - Hexavalent Chromium, chloride and cyanide; RPD ≤ 35% for soil, ≤ 20% for groundwater.
  - Electrical Conductivity; RPD ≤ 10% for soil and groundwater.
- Screening-level acceptance criteria for soil vapour of 50% were applied.
- Water level and interface probe measurements will be recorded to the nearest centimetre (typical level of precision for elevation survey).

- Field headspace measurements are typically one-time readings and cannot be repeated to assess precision.

Should a situation arise where attaining these RPDs or precision indicators is challenging, alternate analytical approaches will be assessed from the scientific literature, in consultation with the analytical laboratory.

3.2.2 Accuracy

The following DQOs have been established for accuracy.

- Laboratory analyses for target parameters will have laboratory reported detection limits that are less than the applicable site condition standards, preferably by at least five times. This is preferred for non-target parameters as well but not required.
- Laboratory analyses will have surrogate recoveries (%R) that meet the acceptance criteria established by the laboratory.
- Field headspace screening instruments will be calibrated as follows:
  - PID: 0 (ambient air) to 100 parts per million by volume (ppm_v) (isobutylene span gas)
  - Combustible vapor detector: 0 ppm_v (ambient air) to 400 ppm_v (hexane span gas)
- Water Level Meter and Interface Probe: no criterion established for these direct measurements, apart from not using damaged meters (e.g., no use of measuring tapes that may have been stretched, cut, torn, or cracked).
- The reference elevations for monitoring wells (i.e., top of pipe) will be surveyed using a geodetic, permanent, and recoverable benchmark. Accuracy within approximately 10% of the anticipated water level contouring interval is generally satisfactory, with the need for higher levels of accuracy potentially required for coarse sands and higher permeability aquifers (i.e., soils with low horizontal hydraulic gradients).

3.2.3 Representativeness

The following DQOs have been established for representativeness.

- Each area where a contaminant is confirmed present at concentrations greater than the applicable SCS will be assumed contaminated from that sampling location outward the entire distance to the nearest sampling location that meets the SCS, in both the lateral and vertical dimension.
- Analytical results will not be accepted if the sample was not analyzed within its holding time. The results may be accepted, and qualified as “estimated”, provided the results are deemed by the QP_{ESA} to be well above or well below the applicable SCS, and/or the COCs are considered unlikely to change significantly in concentration in the sample container outside the holding time (e.g., metals, PCBs, etc.).

- Soil samples will be “discrete” in that each sample will be formed from, and represent only, one distinct soil layer.
- Soil samples for volatile organics analysis will be grab samples to reduce the potential for loss of volatiles during sample collection. Reducing the potential for volatile losses comes with the disadvantage that the scale over which the measured concentration applies cannot be estimated.
- Soil samples for analysis of non-volatile parameters will generally be discrete samples.
- Soil sample collection will avoid, to the extent possible, collecting vegetation, insects, worms, and particles larger than small gravel, including natural rock, concrete, brick, glass, wood, asphalt, and other non-soil-like materials (e.g., paper, plastic, rubber, etc.).
- Samples for analysis of volatile COCs will be transferred directly into the sample container as soon as practically possible with as little agitation and exposure to the atmosphere as can be achieved during normal field practices.
- If installed, monitoring well screens installed across the water table will be positioned to maintain the water table within the screened portion throughout the year, typically requiring a 3.1 m screen, knowledge of the seasonal water level variation and water level conditions at the time of installation. Some historical wells at the Site have well screens longer than 3.1 m or are open borehole. If well construction is considered to have influenced representativeness, rationale will be provided.
- If installed, monitoring well screens will be placed within the geologic formation in which the contaminant is interpreted to be potentially present.
- If installed, monitoring well screens will be positioned to isolate the zones where contaminants may be present (i.e., screens will not extend through less permeable zones, connecting two or more distinct higher permeability zones).
- Groundwater level measurement will reflect a static monitoring condition, such that no change in water levels is anticipated at any of the wells monitored from the time the monitoring event started until the time it is finished.
- The assessment of groundwater quality (including the potential for separate-phase liquids) and flow direction will consider the potential influences of temporal variation in groundwater levels, including short-term (rainfall events), mid-term (seasonal), and longer-term (multi-year) trends.
- Appropriate sample containers will be provided by the laboratory containing the required preservative, if any, already in the sample bottle.
- Sample containers will be maintained within the acceptable storage temperature range and under chain of custody to reduce the potential for sample quality to diminish before analysis occurs.

3.2.4 Comparability

The following DQOs have been established for comparability.

- Only analytical results presented in signed, final and complete laboratory certificates of analysis from a laboratory accredited according to the requirements of O.Reg.153/04 (i.e., by the

Standards Council of Canada (SCC) or Canadian Association for Laboratory Accreditation (CALA)) will be relied upon by Stantec for comparison to applicable regulatory criteria.

- Stantec endeavors to use the same laboratory, field methods, and field technician to obtain results of higher consistency by reducing potential variations that may be introduced when different sample collection methods and laboratories are used.
- The Regulation requires grain-size analyses to be conducted if the fine-medium textured soil standards are to be used. Sufficient samples to represent soil textures at the property will be obtained. Stantec further requires the soils tested to represent the area of potential contamination, or in some cases, contaminant migration pathways.
- The groundwater standards apply to dissolved groundwater concentrations, and thus, groundwater sample results will not be accepted for comparability if the following conditions are encountered:
  - Samples containing separate-phase liquids (sample will automatically exceed groundwater standards).
  - Samples with reported concentrations greater than solubility limits.
  - Sample results greater than the applicable SCS for metals but for which field-filtering of the sample could not be confirmed.
  - Sample results deemed by the QP_{ESA} to be anomalously high due to excessive sediment in the sample container.
- Lab filtered results for benzo(a)pyrene are acceptable under the Regulation. Analysis for all other polycyclic aromatic hydrocarbons (PAH) will be completed on unfiltered samples.
- Field measurements will not be compared to the applicable SCS for demonstrating the site conditions have been met, as precluded by the Regulation.

3.2.5 Completeness

The following DQOs have been established for completeness.

- Laboratory analyses will be conducted for the COCs identified in each medium in each APEC during the pre-remediation assessment.
- COC concentrations will be determined for each APEC, with the intent to:
  - Confirm the potential contaminants present.
  - Measure the maximum concentration of the contaminants.
  - Confirm the media contaminated.
  - Delineate the lateral and vertical extents of contamination.
- Sampling will be conducted in areas confirmed contaminated until the highest concentrations are identified and located, to the extent possible, considering the presence of the buildings and the existing monitoring well network.
- The groundwater level will be measured each time a monitoring well is sampled.

- If separate-phase liquid is suspected of being present in a monitoring well, its presence will be confirmed with a clean single-use bailer and its thickness will be measured using an interface probe.
- Assessment of groundwater flow will include the horizontal and vertical hydraulic gradients where data are available or have been previously collected and reported.
- All aquifers and aquitards relevant at the property for determining the location and concentration of contaminants will be identified and investigated.



4 Sampling Plan – Rationale and Design

This section presents a summary of the rationale for selection of borehole, monitoring well and sample locations for the Phase Two ESA. In general, the borehole, monitoring well and sample locations were selected to assess data gaps identified during the review of previous investigations and provide additional soil and groundwater data for the Site. Deviations from the plan proposed herein, if any, and the rationale for such will be documented in the main text of the Phase Two ESA.

This sampling plan provides details of the sampling elements listed below.

- Sampling system (e.g., judgmental, random, grid sampling, etc.)
- Sampling type (e.g., grab or composite)
- Number of samples
- Sampling frequency
- Sampling depth intervals (including the screened intervals for monitoring wells and piezometers)
- Field-processing of samples
- Samples submitted for laboratory analysis

The proposed sampling locations and analyses are summarized in Table 2, Appendix A.

5 Standard Operating Procedures

This section describes the methods followed by Stantec field staff during field investigations. The methods are derived from industry consensus practices published by agencies including the MOE (1996; 2011b), ASTM (1993; 1998), MADEP (2016), and EPA (1996). SOPs are detailed, stepwise procedures for routinely performed activities, and are intended to improve: 1) data collection quality by following accepted industry standards of practice, and 2) data consistency by following these procedures during each sampling and measurement event.

Field technicians are to follow these SOPs, documenting any deviations and the rationale for the deviation in their field notes. Other than minor deviations, pre-authorization from the supervising QP_{ESA} (e.g., licensed Professional Engineer or Professional Geoscientist) is required, and this discussion documented in the field notes. The Regulation requires the QP_{ESA} to confirm there is a suitable rationale for deviations from the SOPs.

Note, not all field SOPs presented herein are applicable to all investigations.

5.1 Utility Locates

Stantec contacts Ontario One Call to arrange buried utility clearances before each field mobilization involving intrusive subsurface activities, such as drilling, test-pitting or remedial excavation. On private property, a utility locating company is also retained to provide clearance of private utilities for each planned intrusive investigation/ remediation location.

In general, intrusive investigation locations can usually be adjusted so as not to correspond to a buried utility location without affecting the project objectives. Where intrusive locations need to be within approximately 2 m of a buried utility, increased measures are required by the contractor to protect the buried utility and worker health and safety. These measures may include daylighting the utility using hand digging or a mobile hydrovac excavation system.

The utility locate sheets are present on-site during the intrusive investigation activities. The drilling or excavation contractor is provided with copies of the utility locate sheets for review purposes before the intrusive investigations commence.

5.2 Overburden Drilling

Boreholes in overburden are drilled using a licensed well driller. Boreholes are typically advanced using one of the following conventional drilling techniques. No drilling fluids or lubricants are used. Where applicable, the asphalt or concrete surface is removed to expose soil before drilling commences.

The sampler is retrieved, and the process repeated to advance the borehole to the next interval.

Pionjar Continuous Sampling (MW25-02 to MW25-05) – Boreholes are advanced using a Pionjar and continuous sampling. Soil cores are collected using a split spoon sampler that is advanced to collect a sample over the drilling interval. The sampler is retrieved, and the process repeated to advance the borehole to the next interval. Soil sampling terminated on bedrock.

Soil sub-samples are collected from the sampler for headspace screening (where sufficient sample quantity is present) and for potential submission to the laboratory. Each sample for field headspace screening is placed into a new, 500 mL sealable freezer bag and stored out of direct sunlight. Bags are one-third to one-half filled with soil to leave sufficient headspace above the sample and then sealed. Soil samples for potential submission to the laboratory are placed directly into the appropriate sample containers supplied by the laboratory, labeled, and stored in a sample cooler containing ice.

Hollow-Stem Auger Sampling (MW25-01) – Borehole are advanced using a hollow stem auger mounted on a CME drill rig. Prior to drilling the borehole was hydro-excavated to a depth of 1.1 mbgs for utility clearance purposes before advancing the drill rig. Hydrovac refusal on inferred cobbles and boulders was encountered at 1.1 mbgs. After hydro-excavation was complete, manual grab samples of soils were recovered from each stratigraphic layer and transported to the Stantec Ottawa laboratory for detailed geotechnical classification and testing. No samples for environmental purposes were collected from MW25-01 as the nested well MW25-03 was completed proximate to MW25-01 and is considered representative of subsurface conditions.

5.3 Bedrock Drilling

Bedrock drilling was completed using CME 55 LC track-mounted drill rig, equipped with hollow stem augers and HW casing. The borehole was drilled to a depth of 18.5mbgs using rotary diamond drilling techniques while retrieving HW sized core.

5.4 Soil Sub-Sampling

Soil sub-sampling consists of the selection of soil for potential laboratory analyses, the processing of this soil before it is placed into a sample container and documenting key information about each sample.

Sub-samples are collected as “discrete” in that each sample is collected from, and intended to represent only, one distinct soil layer or type at the sampling location. If inadequate sample is available in a soil core to fill sufficient sample containers to perform all planned laboratory analyses, then the analyses are

prioritized and fewer analyses are performed. Soil from the adjacent, but different, soil layers is not used as a surrogate to represent the initial target soil layer.

Sub-samples are collected to represent “worst-case” for that particular sampling location and target chemical parameters, in consideration of field indications (e.g., headspace readings or visual-olfactory observations) and potential modes of contaminant release and migration. In some cases, professional judgment is required to select samples for analysis that are more consistent with the potential mode of contaminant release than just relying on analyzing the sample with the maximum field headspace reading. Because contamination extent is defined by the distance (laterally and vertically) to the nearest sample that meets the applicable SCS, samples to determine the “clean line” are still collected to represent “worst-case” (i.e., for that particular soil layer and location).

Grab samples of soil are collected for volatile parameters (VOCs and petroleum hydrocarbon fraction F1) to minimize the potential for loss of constituents during the sample collection process.

Composite samples of soil are preferred for all non-volatile parameters as a means to address the small-scale heterogeneity in soil concentration, as described in MOE (1996). Under the Regulation, composite samples are to consist of equal portions of material (aliquots) from multiple locations from the same soil layer and depth interval within a 2 m radius “sampling location”. The aliquots of material are placed in a stainless-steel bowl and mixed to homogenize the soil before placing a portion into sample containers. The intent of composite sampling is to provide a reproducible means to measure the average concentration of the soil at that sampling location, recognizing that once a technician is sampling worst-case conditions at a sampling location, it is not possible to differentiate in the field areas of higher or lower concentration. Composite sampling programs generally use between three and 10 aliquots per sample depending on the specific project objectives and effort required to obtain each aliquot.

Vertical compositing is conducted where collecting multiple aliquots of soil layers at depth is cost prohibitive. Where a soil core contains 0.3 m or more of like soil from the same soil layer, a vertical composite sample may be formed over a 0.3 m to 0.6 m interval by taking either discrete segments or a slice along the core length and mixing the sample in a stainless-steel bowl. Filling the sample container using material along a core length is not a composite sample because laboratories do not homogenize soil container contents before extracting the soil that is ultimately analyzed.

Particle sizes larger than small gravel need not be included in sample containers because standard laboratory methods disaggregate soil and sieve, but do not crush/grind. Thus, coarse sand and larger particle sizes are not included in laboratory analysis. In practice, the field technician can remove gravel-size particles from sample containers and soil mixing bowls.

Documentation of soil sub-sampling includes the following:

- Measurements and photographs of the lateral sampling location (taken parallel and perpendicular to fixed, permanent reference points such that returning to that location is possible in the future).
- Description of the soil coring interval (or equivalent, if applicable).
- Measurements of the depth interval for the soil layer being sampled.

- Measurement of the soil sub-sampling interval over which the grab sample or composite sample was obtained.
- Sample recovery for the soil core (if applicable).

5.5 Geologic Logging

Soil cores are classified following the procedures described in the ASTM guidance for the visual-manual description and identification of soils (ASTM, 1993). For each soil core, the field technician logs the relevant descriptions of soil type, texture, color, structure, consistency, plasticity, and moisture content. Weathering features and secondary mineralization are logged, as are observations of the presence of man-made materials, such as brick, concrete, glass, ash, cinder, slag, asphalt, etc. Field technicians do not intentionally smell the cores; however, obvious odors of septic, solvents, petroleum hydrocarbons, burnt rubber, etc., are noted with a descriptor of weak, moderate, or strong.

Soils from test pits and surficial samplers (e.g., trowel, shovel, hand corer) are logged in a manner similar to soil obtained from soil cores.

A borehole log is prepared for each location containing the detailed geologic descriptions described above. This form of field log includes a scaled, graphical presentation of information. Where a monitoring well and piezometer, is installed in the completed borehole, the construction and installation details are added to the borehole log. The field log format also presents the locations where samples were collected for potential laboratory analysis and field headspace readings.

Where recovery in a core is less than 100%, Stantec uses the convention that the material obtained represents the upper portion of the interval sampled, unless evidence indicates otherwise, not counting the uppermost few centimetres of soft sediments that settle in the bottom of the borehole (“slough”) that the sampler may be driven through before encountering the undisturbed native materials. In graphically presenting an interval, the last encountered geologic unit is assumed to extend from the bottom of sample recovery, through the zone of no recovery to the top of the next sample interval.

5.6 Soil Headspace Screening

Soil headspace screening is conducted on soil samples to monitor for the presence of total organic vapours (TOV) using one or both of a photoionization detector (PID) and a combustible gas detector. A PID is generally used where VOCs, including chlorinated solvents and lighter-end PHCs (gasoline) are of primary concern. A combustible gas detector is generally used where PHCs, especially diesel-range and explosive levels are of primary concern. Both meters are used where both chlorinated solvents and diesel-range or explosive levels of PHCs are of concern.

The PID is typically equipped with a 10.6 eV lamp, which is capable of measuring many of the most common chlorinated solvents of interest to environmental investigations. Of note, an 11.7 eV lamp is required to detect 1,1,1-TCA. The PID displays the TOV in parts per million by volume (ppm_v). The PID is calibrated to ambient air and 100 ppm_v isobutylene span gas following the manufacturer’s instructions. A Tedlar bag is filled with the span gas to calibrate the PID at atmospheric pressure. The PID calibration is

checked as the unit is used throughout the day and re-calibrated if the PID readings appear contradictory to other field indicators (e.g., odours and staining).

The combustible gas detector (e.g., RKI Eagle O_2, CO, H_2S and LEL gas monitor) is calibrated to ambient air and 400 ppm_v hexane in a manner similar to that followed for the PID. The combustible gas detector displays the combustible soil vapour (CSV) concentration reading in ppm_v for low concentrations and %LEL for higher concentrations. The meter is re-calibrated if it does not measure the ambient air or hexane gas concentrations accurately to within 3 ppm_v. The readings for this meter tend to be more stable than a PID, and thus, typically requires fewer calibration checks and re-calibration of the unit.

Headspace measurements are performed after allowing the samples to warm to approximately room temperature, normally within 15 to 30 minutes after sample collection. The bags are gently kneaded and shaken to enhance gas equilibration between the soil and the headspace. The PID probe is then inserted into the soil bag, taking care not to contact any solids or liquids or the side of the bag. The highest reading is recorded. The bag is then re-sealed, permitted to stand for another 15 to 30 minutes, and a measurement taken using the combustible gas detector.

An alternative approach uses one sample bag for the PID reading and one for the combustible gas detector reading provided there is sufficient sample available. More recently, dual instrument devices including both a PID and combustible gas detector have become available allowing measurement of the TOV and CSV concurrently within the same sample bag.

5.7 Monitoring Well Installation

One monitoring well is installed in each select borehole after borehole advancement is completed to the desired depth. Each well is constructed of 31-mm (MW25-02 to MW25-05) or 51 mm ID (MW25-01), Schedule 40, polyvinyl chloride (PVC) materials with a 0.25-mm slot (“10-slot”), PVC well screen. The well materials are not removed from the protective plastic wrapping until required. The PVC screen and piping are flush-threaded and contain O-rings to provide watertight joints. Well screens are 3 m in length and are generally positioned to intercept the water table. By installing monitoring wells with the water table at mid-screen at the time of installation, the water table can fluctuate approximately 1 m seasonally up or down with the well still being considered a water table well (containing sufficient water column to permit sampling).

To install a well, the well screen and riser are assembled, a threaded end plug installed, and the well materials lowered into the borehole. As the augers are removed (if used), silica sand is placed around the well screen and extended to a minimum of 0.6 m above the well screen. A bentonite seal is then placed to a minimum thickness of 0.6 m above the silica sand to hydraulically isolate the well screen. Municipal tap water is added to hydrate the bentonite if it is placed above the water table but is not required for wells installed below the water table.

The well is completed at ground surface with either a flush-mount or an above-grade protective cover set in a concrete pad. Wells are capped with either a locking J-plug or a PVC slip-cap. A lock is installed on wells equipped with a j-plug (typically those with flush-mount covers) and on the lid of the above-grade

cover. The well drilling contractor applies a well tag and files a well record with MECP as required by O.Reg.903.

Monitoring wells are not developed, purged, or sampled for a minimum of 24 hours after installation to permit the well seal to hydrate and the concrete pad to cure.

The well construction details are presented on the borehole logs prepared for each borehole and monitoring well installation. Monitoring wells will not be installed as part of the current investigation as previously-existing monitoring wells will be monitored and sampled.

5.8 Monitoring Well Development, Purging and Sampling

The monitoring wells are developed and purged before first sampling. Wells are developed to remove fine-grained material from the well screen and filter-pack. Wells are purged to remove stagnant water from the well casing. The development and purging activities are performed using an inertial pumping system (consisting of dedicated polyethylene tubing and foot valve), an automated pumping system (e.g., using peristaltic or down hole pump and polyethylene tubing dedicated to each well), or a “clean” single-use bailer.

To develop and purge the well concurrently, approximately ten casing volumes of water are removed. The depth to water in the well and observations of the physical appearance of the purge water are noted (odour, colour, clarity, sediment load) after the removal of each casing volume of water, including the observed presence of any film, sheen or separate-phase product.

Measurement of water quality parameters is also performed as described in the next section. Wells are developed before the first time they are sampled, and thereafter only require purging of approximately three to six casing volumes. Six casing volumes are usually purged from smaller diameter wells or from wells having short water columns because of the small corresponding casing volume. If water is used to control heaving conditions during drilling, a corresponding volume of water is removed during well development in addition to the six to ten casing volumes.

During well development, purging, and sampling, care is taken to control the degree of drawdown in the well and to limit induced water turbidity during successive activities:

- The target flow rate during sampling is up to 1 litre per minute (LPM), with target flow rates for purging and development set at two and four times the well sampling rate, respectively (i.e., 2 and 4 LPM). In concept, well sampling should not re-suspend excessive fine materials in the well at 1 LPM if such did not occur during purging and development at the higher flow rates.
- During development and purging, the pump intake starts at the bottom of the well and is moved progressively up the water column to approximately the mid-point of the saturated well screen length. Continual pumping of the well bottom tends to induce water turbidity.
- Pumping rates are generally adjusted during development, purging and sampling to maintain the saturated well-screen configuration:

  - Where the starting water level is above the top of the well screen, it is not lowered into the well screen during pumping,
  - Where the starting water is below but near the top of the well screen, the water level is not lowered below the middle of the well screen during pumping,
  - Where the starting water is near or below the middle of the well screen, the water level is not lowered by more than 25% of the height of the water column in the well during pumping, and
  - If the well is deemed low-yielding (requiring more than one hour to purge three casing volumes following the above method), return visits to the well are made to remove at least three casing volumes of water, with the need for further well purging assessed on a case-by-case basis, usually depending on the degree of suspended sediment in the water samples, target analytical parameters, and existing water quality results, etc. Full well development is not expected for low-yielding wells because the ability to remove fine-grained material is limited by the inability of the well to produce water.
- The depth to water, observations of water turbidity, pump intake depth, and pumping rate are documented and used to adjust the water removal activities, as well as providing an indication of the sustainable well yield and hydraulic conductivity of the screened interval.

Well purging is considered complete upon successive measurement of water quality parameters that have stabilized to within 10%, provided a minimum of three casing volumes have been purged. The rationale for concluding well purging for low-yielding wells is established and documented on a case-by-case basis and is usually set by logistical and/or time constraints.

Groundwater samples are collected directly into the appropriate sample containers. The sample containers are supplied by the laboratory and are pre-preserved, if and as appropriate, for the planned laboratory analyses.

Sample containers are filled, labeled, and then stored in a sample cooler containing ice as quickly as practical to minimize the time that samples are subject to potential damage and ambient conditions, like sunlight and hot temperatures.

Samples for metals analysis are first field-filtered using a new, single-use, 0.45 micron, in-line filter. At least two filter volumes are purged through the filter before starting to fill the sample container. As exceptions, analyses for mercury and methyl mercury are collected in separate sample containers and are not field-filtered.

Samples for PAH analysis are not field filtered. If necessary, a separate sample is collected for laboratory filtration prior to analysis for benzo(a)pyrene.

The field notes document the well development, purging and sampling times (start/stop time for each activity), the initial depth of the water level relative to the well-screen (i.e., well development and purging approach), observations of cumulative water removed, as well the field measurements of water quality parameters (discussed below) and any sampling information (sample identifier, bottles filled, and any corresponding field duplicate samples). The rationale for concluding the development and purging activities, and the equipment used is also documented.



5.9 Soil and Sub-slab Vapour Sampling

A leak test using helium gas as a tracer was performed for each soil/sub-slab vapour probe prior to sampling to verify that atmospheric air was not being drawn into the soil/sub-slab vapour probe (i.e., short-circuiting via the annulus between the probe and the geologic unit) or via the sampling train connections during sampling. The leak test was performed using a shroud with a volumetric helium concentration between 20% and 30% during the leak test. Helium concentrations were measured using an MGD-2002 multi-gas leak detector calibrated for helium.

Helium leakages less than one percent of the continuous volumetric helium concentration beneath the shroud are indicative of a negligible risk of atmospheric air being introduced into the vapour sample, while helium leakages greater than one percent but less than 10% are considered acceptable but the analytical results should be viewed with caution. Helium leakages greater than 10% may result in unreliable analytical results.

Air evacuated during the leak tests was also measured for total organic vapours in the field using an RKI GX-6000 calibrated to isobutylene.

The soil/sub-slab vapour probes were purged of approximately two to three probe volumes of air. Purging rates were monitored to confirm the performance of the soil/sub-slab vapour probe met or exceeded the intended vapour sampling rate.

After leak testing and purging, soil vapour samples were collected using six-litre Summa canisters (laboratory-provided, silica-lined, polished stainless steel sampling containers pre-evacuated to approximately -23.5 to -29.5 inches of mercury) fitted with 8-hour flow-regulators.

Samples were recovered continuously until the regulated air intake reduced the Summa canister vacuum pressure to between approximately -5 and -17.5 inches of mercury, at which time the Summa canister was closed, ending the sample recovery.

Upon completion of sampling, final Summa canister pressures were recorded, and the Summa canisters were submitted for laboratory analysis of VOCs and Aliphatic and Aromatic subfractions of PHC.

The vapour assessment was completed in general accordance with the methods provided in:

- Stantec's standard operating procedures
- CCME, *Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment*, dated 2016
- CSA Standard Z769-00 (R2018)
- O.Reg. 153/04

5.10 Order of Sample Collection

Groundwater samples are typically collected in order from sample locations where contaminant concentrations are lowest to locations where contaminant concentrations are highest to reduce the potential for cross-contamination of samples.

Where a groundwater sampling location is planned for multiple laboratory analyses, some practitioners use a hierarchy to specify the order in which sample containers are filled. Stantec does not follow a prescribed order. Instead, where sample volume is limited, sample containers are filled first for the primary contaminants of interest, then for secondary contaminants of interest, field headspace screening, quality control (QC) samples and lastly for physical analysis (e.g., grain size distribution curves). If analyses are planned for volatile parameters, these sample containers are filled first so that there is sufficient sample volume to fill the sample containers without leaving headspace, and so that the potential for volatile losses during sampling is reduced.

5.11 Field Measurement of Water Quality Parameters

Field measurement of the water quality parameters is conducted after each casing volume of water is removed. The temperature, pH, and specific conductivity of the water are measured using an appropriate field instrument(s) and a flow-through cell (if sufficient flow is available). Alternatively, water is pumped into a beaker, the beaker rinsed and then half-filled with purge water from which the measurements are taken directly. Measurements are made as soon as the readings stabilize to reduce the exposure time of the purged water to atmospheric conditions. Care is taken during reading the specific conductivity measurement to note the units of measurement because many meters auto-scale, and thus, the units of measurement can automatically change between or during readings.

The meter is calibrated, used, and stored following the manufacturer’s instructions. At the start of each field day, the meter calibration is checked in the calibration solutions, and the calibration adjusted if required. The pH probe is typically calibrated to two points using pH 4 and pH 10 calibration solutions. The specific conductivity probe is typically calibrated in a solution having specific conductance of 1413 µS/m. The temperature probe does not require field calibration.

5.12 Sample Location and Identification

All investigation locations are assigned a unique identification code for that location. In addition, each sample collected is assigned a unique identification code. Identification codes are selected to be unique such that they cannot be inadvertently repeated.

Numerous systems have been developed for selecting identification codes. The specific system used is a project-specific decision. Sometimes it is preferable to use the system previously used at a project site for continuity. It is also sometimes easier to maintain continuity of the units of measurement (metric or imperial). Imperial units are often used where drilling is involved because drilling equipment and well supplies are sized in imperial units. Spaces and apostrophes are not used in sample identification codes.

Blind identification systems or sequential numbering systems are rarely used where field decisions are required in real-time. Instead, informative identification systems are used because the sample identifier contains key information about each sample collected.

QC Samples

Field duplicate and field blank samples are submitted “blind” to the laboratory. A fictitious sample identifier is used so that the laboratory cannot identify the sample as a QC sample.

5.13 Sample Containers, Labeling, Handling and Custody

The analytical laboratory provides sample containers and preservative. Paracel Labs of Mississauga, Ontario is the laboratory for soil and groundwater analyses for this project. Bureau Veritas (BV) is the laboratory for soil vapour analysis for this project. Paracel and BV are CALA-accredited laboratories. The table in Appendix B of this SAP was provided by BV, the laboratory selected for this project. The table presents, for each medium analyzed, the matrix of analytical parameters, sample container description (bottle type and number of bottles to fill), holding time, and preservation requirements (chemical and physical). Paracel and BV provided all sample containers.

Samples for laboratory analyses are packed carefully into sample coolers to prevent damage to the sample containers. Samples are maintained at a temperature between 4 and 10ºC by including ice in sample coolers during on-site storage and transport to the laboratory. A chain of custody form is completed and included in each sample cooler. A custody seal is affixed to each cooler once packed and sealed. Samples are hand-delivered to the analytical laboratory, shipped by overnight courier, or picked up by the laboratory’s courier service. The field technician maintains custody of the samples until custody is transferred to either laboratory reception or the delivery service.

5.14 Liquid Level Measurements

Water levels are measured to the nearest 0.01 m using a battery-operated, water level or interface-probe. Measurements are obtained by lowering the electrode, attached to the graduated polyethylene tape, slowly into the well until a tone sounds. If light phase-separated liquid is detected, as indicated by an intermittent tone, the depth is read from the tape and recorded. If there is no phase-separated liquid present (or it has already been detected by an intermittent tone) the electrode continues to be lowered into the well until a solid tone sounds indicating water. The depth-to-water from the reference point on the well is then read from the tape and recorded. Duplicate measurements are performed at each location to attain 0.01 m repeatability. The highest point of the well casing is used as the reference point. If the presence of dense phase-separated liquid is suspected, the probe continues to be lowered to the bottom of the well, with an intermittent tone indicating the depth at which the probe transitions from water to dense phase-separated liquid.

In general, an interface probe is not used unless phase-separated liquids are suspected to be present from initial borehole drilling and groundwater sampling results.

When monitoring multiple wells at a site, monitoring proceeds from least contaminated to most contaminated areas to reduce the potential for cross-contamination from the water level or interface probe.

5.15 Hydraulic Testing of Monitoring Wells

The bulk hydraulic conductivity of the subsurface materials adjacent to the monitoring well screen is estimated by conducting single-well response tests. After measuring the static water level in a well, the water level is rapidly drawn down using a peristaltic pump or inertial pump. The water level recovery is then monitored regularly as it recovers to the starting static level. The Hvorslev or Bouwer and Rice method is used in a commercial software package to graphically present and analyze the water level versus time data to calculate the bulk hydraulic conductivity.

5.16 Analytical Testing

As noted previously, the analytical laboratory provides sample containers and preservative. Paracel Labs of Ottawa, Ontario is the laboratory for soil and groundwater analyses for this project. BV is the laboratory for soil vapour analysis for this project. Paracel and BV are CALA accredited laboratories.

5.17 Equipment Cleaning

All non-dedicated sampling and monitoring equipment is cleaned before initial use and following each use.

Drilling and field equipment is cleaned following common equipment cleaning procedures (MOE, 1996; ASTM, 1994). The samplers are cleaned by manually scrubbing using a brush and a phosphate-free soap solution and rinsing with distilled or tap water. Equipment that may be damaged by immersion in water is wiped clean using a sponge, rinsed in phosphate-free soap solution, and then rinsed with tap water. The probe of the interface probe or water-level meter is cleaned by rinsing in a phosphate-free soap solution followed by distilled or tap water. In addition, a new pair of nitrile gloves was used to remove the soil samples from the split spoon sampler when environmental samples were being collected.

A solvent rinse using reagent-grade, laboratory-supplied methanol is used (ASTM, 1994) when investigating areas of higher suspected VOC concentrations.

5.18 Location And Elevation Surveys

Measurements are recorded and photographs taken to document each sampling location laterally. Measurements and photographs are taken parallel and perpendicular to fixed, permanent reference points to allow returning to that sampling location in the future, if required.

The Stantec technician will survey the elevation of monitoring wells. The technician will also measure the lateral locations of boreholes, and wells, if appropriate, at large properties or at properties lacking permanent nearby reference points.



5.19 Residue Management

Soil cuttings, purge fluids, and cleaning fluids are typically placed into drums. Classification and disposal of drummed wastes are the client's responsibility. To facilitate the process, Stantec collects representative samples for waste classification purposes under R.R.O. 1990, Regulation 347: General – Waste Management (O.Reg.347).

Drums are labeled and the contents added to each drum documented for tracking purposes. Drums are stored at a location designated by the property owner pending analysis and off-site disposal. Drums were removed at the end of this program by Triangle Pump of Ottawa.

5.20 Quality Assurance and Quality Control (QA/QC)

QA/QC procedures are implemented in the field and laboratory to demonstrate that the data generated are of a level of quality suitable for their intended purposes. Field QA/QC procedures include use of new sampling equipment, equipment cleaning procedures, blind duplicate and blind field blank sample submittal, and adherence to published standards for field methodology. Laboratory QA/QC procedures include following internal protocols and analysis of laboratory blank samples and laboratory reference standards.

The electronic data received from the laboratory are imported into Stantec's data management system. The data are output into report ready spreadsheets. After checking the spreadsheet, the compiled data are reviewed to confirm that the data are of satisfactory quality. Sample chain-of-custody, holding times, dilution factors, surrogate recoveries, replicate analyses, analytical quantitation limits, and blank analyses are reviewed and compared to applicable QC acceptance criteria.

A data review process, often referred to as "data validation", is conducted to assess whether the DQOs were satisfied. Stantec establishes data validation criteria that require the analytical data to have an acceptable level of precision, accuracy, representativeness, comparability, and completeness ("PARCC" criteria). The data validation process is described below.

5.20.1 Precision

The analytical results of the investigation samples and their associated field duplicates (or laboratory replicates) are presented in the data tables. Data precision is evaluated by calculating the RPD between the investigation sample results and their duplicate or replicate results. The RPD is calculated as follows:

$$RPD = 2 \text{ x } \frac{(|C_{1-}C_2|)}{(C_1 + C_2)} \text{ x } 100$$

where: C_1 = parent sample concentration

C_2 = duplicate sample concentration

RPDs are calculated where both C1 and C2 are above the analytical reporting limit (RL). Stantec set a screening-level RPD acceptance criterion as presented in Section 3.2 using guidance from BV (Maxxam, 2016). Where the reported concentrations are less than 5 times the RL, lower precision is expected, and the screening-level criterion does not apply. Reported concentrations greater than 5 times the RL and having an RPD greater than the screening-level criteria are considered to have failed the initial precision assessment; however, both sample results are accepted as suitably precise if both are considered many times above or below the applicable regulatory criterion or guideline value. A sample concentration and its duplicate result are concluded to have lowered precision if the reported concentrations are near the applicable regulatory criterion or guideline value being used or concentrations are less than 5 times the RL and RPD greater than the screening-level criterion, such that the interpretation might change depending on the reported concentration used. In this case, the data are considered an estimated value and corrective actions taken, such as further sample collection and analysis.

5.20.2 Accuracy

The accuracy of the analytical results is assessed by confirming that the reported laboratory surrogate recoveries and spike samples are within the acceptance criteria established by the laboratory as reported on the laboratory certificates of analysis. The surrogate recoveries and spike samples consist of known concentrations of chemicals that the laboratory adds to the investigation samples.

The laboratory measures the amount detected and then calculates the Percent Recovery (%R) to confirm the reported value is within reasonable agreement with the known value. The typical acceptance criterion requires %R to be within 70% and 130% (i.e., accuracy of approximately ±30%).

5.20.3 Representativeness

The representativeness of the analytical results is assessed by reviewing several factors of a qualitative nature, including the following:

- Field procedures and laboratory methods followed industry consensus practices (including sample collection methods; laboratory analytical methods; sample containers, preservative(s), holding times; and chain-of-custody documentation).
- Sampling design was appropriate to characterize the depth intervals of interest in the areas of potential environmental concern.
- Sample results were consistent with visual/olfactory observations, previous investigation results at nearby locations and/or the conceptual site model for the potential release of chemicals to the environment.

- The number of samples analyzed and parameters for which analyses were performed were considered by the Qualified Person to be sufficient for the purpose of the Phase Two ESA.
- Corrective actions were taken, as deemed appropriate, to resolve data anomalies or other quality issues that arose during the site investigation, including qualifying any data (as estimated or unreliable), sample re-analysis, or conducting additional sample collection, analysis and interpretation.

5.20.4 Comparability

Data comparability is assessed qualitatively by confirming that the sampling locations, sampling depths, field methods and laboratory methods were the same, or as close as practical to the methods used in previous investigations.

5.20.5 Completeness

Data completeness is assessed qualitatively by confirming that the analytical results were obtained for all the samples submitted and all the analytical parameters requested, including the supporting laboratory documentation and chain-of-custody documentation. Consideration is given to the significance of any data that were rejected based on poor data quality. The frequency of inclusion of QC samples is also considered.

5.20.6 Other Assessment

Other data collection activities, such as water level monitoring and field headspace screening, undergo QC checks confirm they meet the DQOs. Deviations that occur during the field investigations, if any, are documented in the main text of the Phase Two ESA report.

5.20.7 Frequency of QC Sample Analysis and Calibration Checks

QC sample requirements for the number, type, and frequency of QC sample collection and laboratory analysis are summarized below. Slight departures may occur on a case-by-case basis depending on project-specific situations (e.g., insufficient sample volume) and their potential significance will be addressed as they occur.



Table 1 Minimum QC Sample Analysis Frequency

Medium	Soil	Groundwater	Soil Vapour
Trip Blank	Trip blanks are generally not submitted for soil.	One per sample shipment for VOC analysis.	One per sample shipment for VOC analysis.
Field Blank	Field blanks are generally not submitted for soil.	One per sample shipment for VOC analysis.	One per sample shipment for VOC analysis.
Field Duplicate	One for every 10 investigation samples submitted for analysis.	One for every 10 investigation samples submitted for analysis.	One for every 10 investigation samples submitted for analysis.

Calibration checks on field instruments are performed at the following frequencies.

- The water quality meter (pH, specific conductance, temperature) is calibrated once per day, generally at the start or end of each field day and typically consists of a calibration check followed by minor calibration adjustments, if required.
- PIDs require a calibration check after approximately every 10 samples for field headspace screening, after every hour of continuous use for a soil vapour survey, and after very high sample readings, significant weather changes (from cool to hot, dry to humid, clear to overcast) or erratic behavior.
- The combustible gas detector is a more stable instrument than the PID and typically only requires calibration once per field event, with a calibration check generally at the start or end of each field day.

6 References

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Appendices

Appendix A Tables

Table 2 Supplemental Phase Two ESA Scope of Work

Borehole/ Monitoring Identification	Location	Investigation Rationale	Soil Analysis	Groundwater Analysis
MW25-01	Southern portion of Phase Two Property	Southern delineation of LNAPL in intermediate bedrock unit.	PHCs, VOCs, PAHs, Metals	VOCs
MW25-02	Southwestern portion of Phase Two Property	Western delineation of LNAPL in shallow bedrock unit.	PHCs, VOCs, PAHs, Metals	PHCs, VOCs, PAHs, metals
MW25-03	Southern portion of Phase Two Property	Southern delineation of LNAPL in shallow bedrock unit.	PHCs, VOCs, PAHs, Metals	PHCs, VOCs, PAHs
MW25-04	Southeastern portion of Phase Two Property	Eastern delineation of LNAPL in shallow bedrock unit.	PHCs, VOCs, PAHs, Metals	PHCs, VOCs, PAHs
MW25-05	Northeastern portion of Phase Two Property	Northern delineation of LNAPL in shallow bedrock unit.	PHCs, VOCs, PAHs, Metals	PHCs, VOCs, PAHs
E-3	East-central portion of Phase Two Property	Assess groundwater conditions based on APECs 5, 6 and 7.	N/A	VOCs
MW00-4	Northwest portion of Phase Two Property	Assess groundwater conditions based on APECs 2, 4 and 6.	N/A	VOCs
MW00-6	Northwest portion of Phase Two Property	Assess groundwater conditions based on APECs 2, 4 and 6.	N/A	PHCs, VOCs, PAHs
MW01-10	South-central portion of Phase Two Property	Assess groundwater conditions based on APECs 1 and 6.	N/A	PHCs, VOCs, PAHs
MW05-4	Northwest portion of Phase Two Property	Assess groundwater conditions based on APECs 2, 4 and 6.	N/A	VOCs
MW05-4A	Northwest portion of Phase Two Property	Assess groundwater conditions based on APECs 2, 4 and 6.	N/A	VOCs
MW08-31A	West-central portion of Phase Two Property	Assess groundwater conditions based on APECs 4 and 6.	N/A	VOCs

Borehole/ Monitoring Identification	Location	Investigation Rationale	Soil Analysis	Groundwater Analysis
MW08-32A	West-central portion of Phase Two Property	Assess groundwater conditions based on APECs 4 and 6.	N/A	PHCs, VOCs, PAHs
MW08-33A	West-central portion of Phase Two Property	Assess groundwater conditions based on APECs 4 and 6.	N/A	VOCs
MW08-34	West-central portion of Phase Two Property	Assess groundwater conditions based on APECs 4 and 6.	N/A	VOCs
MW14-1A	South-central portion of Phase Two Property	Assess groundwater conditions based on APECs 1 and 6.	N/A	VOCs
MW14-1B	South-central portion of Phase Two Property	Assess groundwater conditions based on APECs 1 and 6.	N/A	PHCs, VOCs, PAHs
MW14-2	South-central portion of Phase Two Property	Assess groundwater conditions based on APECs 1 and 6.	N/A	VOCs
MW16-01	South-central portion of Phase Two Property	Assess groundwater conditions based on APECs 1 and 6.	N/A	VOCs
MW19-12A	South-central portion of Phase Two Property	Assess groundwater conditions based on APECs 1 and 6.	N/A	VOCs
MW19-12B	South-central portion of Phase Two Property	Assess groundwater conditions based on APECs 1 and 6.	N/A	PHCs, VOCs, PAHs
MW19-13A	Central portion of Phase Two Property	Assess groundwater conditions based on APEC 6.	N/A	VOCs
MW19-13B	Central portion of Phase Two Property	Assess groundwater conditions based on APEC 6.	N/A	VOCs

Note(s):

Contaminants include petroleum hydrocarbons (PHCs); volatile organic compounds (VOCs); polycyclic aromatic hydrocarbons (PAHs); metals; hydride forming metals including arsenic (As), antimony (Sb) and selenium (Se); “inorganics” include other regulated parameters (ORPs) including mercury (Hg), Cyanide (CN-), electrical conductivity (EC), sodium adsorption ration (SAR), hexavalent chromium (Cr[VI]), and hot water soluble boron (B-HWS).

N/A: not assessed

Appendix B Sample Container, Preservation, and Hold Time Information

TABLE A: SOIL AND SEDIMENT Sample Handling and Storage Requirements

SOIL Inorganic Parameters	Container[1]	Field Preservation	Storage Temp.[2]	Preserved Holding Time[3]	Unpreserved Holding Time[3]
Chloride, Electrical conductivity (EC)	glass, HDPE, PP or PET	none	5 ± 3 °C		30 days as received (without lab drying); indefinite when dried at the lab
Cyanide (CN^-)	glass jar (Teflon™ lined lid) or PP	protect from light	5 ± 3 °C		14 days
Fraction organic carbon (FOC), Nitrogen (total)	glass, HDPE, PP or PET	none	5 ± 3 °C		28 days as received (without lab drying); indefinite storage time when dried
Hexavalent chromium	glass, HDPE or PP	protect from light	5 ± 3 °C		30 days as received
Metals (includes hydride-forming metals, SAR, HWS boron, Calcium, Magnesium, Sodium)	glass, HDPE or PP	none	5 ± 3 °C		180 days as received (without lab drying); indefinite when dried at the lab
Mercury, Methyl mercury	glass, HDPE, PP or PET	none	5 ± 3 °C		28 days
pH	glass, HDPE, PP or PET	none	5 ± 3 °C		30 days as received
SOIL Organic Parameters	**Container**[1,5,6,7,19]	**Field Preservation**	**Storage Temp.**[2]	**Preserved Holding Time**[3]	**Unpreserved Holding Time**[3]
BTEX[8], PHCs (F1)[8], THMs, VOCs[7], Bromomethane	40–60 mL glass vial (charged with methanol preservative, pre-weighed)[6] AND glass jar (for moisture content) (hermetic samplers are an acceptable alternative)[5, 18]	methanol (aqueous $NaHSO_4$ is an acceptable alternative for bromomethane)[6, 7, 18]	5 ± 3 °C	14 days[3]	hermetic samples: stabilize with methanol preservative within 48 hours of sampling[18]

SOIL Organic Parameters	Container[1,5,6,7, 19]	Field Preservation	Storage Temp.[2]	Preserved Holding Time[3]	Unpreserved Holding Time[3]
1,4-Dioxane[9, 15]	glass jar (Teflon™ lined lid)[9, 15, 18]		5 ± 3 °C		when processed as a VOC sample: same as per VOCs above; when processed as an extractable: same as per ABNs below; (consult laboratory)[18]
PHCs (F2–F4)	glass jar (Teflon™ lined lid)	none	5 ± 3 °C		14 days
ABNs, CPs, OCs, PAHs	glass jar (Teflon™ lined lid)	none	5 ± 3 °C		60 days
Dioxins and furans, PCBs	glass jar (Teflon™ lined lid)	none	5 ± 3 °C		indefinite storage time
SOIL Sample for LEACHATE Preparation	**Container** [1,5,6,7]	**Field Preservation**	**Storage Temp.**[2]	**Preserved Holding Time**[3]	**Unpreserved Holding Time**[3]
VOC, cyanide, metals and semi-volatiles	glass jar, Teflon or PET	none	5 ± 3 °C		14 days
Metals	glass jar, Teflon, PET or PP	none	5 ± 3 °C		180 days
LEACHATE Extracts	**Container** [1,5,6,7]	**Field Preservation**	**Storage Temp.**[2]	**Preserved Holding Time**[3]	**Unpreserved Holding Time**[3]
Volatile organics	40–60 mL glass vials (no headspace)	protect from light	5 ± 3 °C		14 days
Semi volatile organics, and Cyanide	glass jar	protect from light	5 ± 3 °C		14 days
Mercury	glass jar, Teflon or PET	none	5 ± 3 °C		28 days
Metals	HDPE or PET	none	5 ± 3 °C		180 days

HDPE = high density polyethylene; PET = polyethylene terephthalate; PP = polypropylene (bags acceptable) HWS = hot water-soluble boron; THM = trihalomethanes; VOC = volatile organic compounds; BTEX = benzene, toluene, ethylbenzene, xylenes; PHCs = petroleum hydrocarbons; CPs = chlorophenols; PCBs = polychlorinated biphenyls; OCs = organochlorine pesticides

Semi-volatiles organics = 1,4-Dioxane, PHCs (F2–F4), ABNs, CPs, OCs, PAHs, Dioxins and furans, PCBs

[1–19] footnotes immediately follow Table B

Table B: Ground Water Sample Handling and Storage Requirements

GROUND WATER Inorganic Parameters	Container[10]	Field Preservation	Storage Temperature[2]	Preserved Holding Time[3]	Unpreserved Holding Time[3]
Chloride, Electrical conductivity (EC)	HDPE, PET or glass	None	5 ± 3 °C		28 days
Nitrate, Nitrite and Nitrogen (total)	HDPE, PET or glass	None	5 ± 3 °C		7 days
Cyanide (CN^-)	HDPE, PET or glass	NaOH to pH > 12	5 ± 3 °C	14 days	must be field preserved
Hexavalent chromium	HDPE or glass	field filter followed by buffer solution designed to reach the specified pH[17]	5 ± 3 °C	28 days[17]	24 hours[17]
Metals (includes Hydride-forming Metals, Calcium, Magnesium, Sodium)	HDPE, PET[4] or Teflon™ [10]	field filter followed by HNO_3 to pH < 2 [11]	room temperature when preserved	60 days	must be field preserved
Mercury	glass or Teflon™ [10]	field filter followed by HCl to pH < 2 [11]	room temperature when preserved	28 days	must be field preserved
Methyl mercury	glass or Teflon™	HCl or H_2SO_4 to pH < 2 [12]	5 ± 3 °C	28 days	must be field preserved[12]
GROUND WATER Organic Parameters[10, 13, 14]	**Container[10, 13, 14]**	**Field Preservation**	**Storage Temperature[2]**	**Preserved Holding Time[3]**	**Unpreserved Holding Time[3]**
BTEX, PHCs (F1), THMs, VOCs, Bromomethane	40–60 mL glass vials (minimum of 2)[14] (no headspace)	$NaHSO_4$ or HCl to a pH < 2[16]	5 ± 3 °C	14 days	7 days (must preserve for BTEX)
1,4-Dioxane[9, 15]	same as per VOCs above or; as per ABNs below; (consult laboratory)[9, 15]		5 ± 3 °C	14 days	14 days
PHCs (F2–F4)	glass, Teflon™ lined lid	$NaHSO_4$ or HCl to a pH < 2[16]	5 ± 3 °C	40 days	7 days
ABNs, CP, OCs, PAHs, PCBs	glass, Teflon™ lined lid	none	5 ± 3 °C		14 days

GROUND WATER Organic Parameters[10, 13, 14]	Container[10, 13, 14]	Field Preservation	Storage Temperature[2]	Preserved Holding Time[3]	Unpreserved Holding Time[3]
Dioxins and furans	glass, Teflon™ lined lid	none	5 ± 3 °C		indefinite storage time

HDPE = high density polyethylene; THM = trihalomethanes; VOC = volatile organic compounds; BTEX = benzene, toluene, ethylbenzene, xylenes; PHCs = petroleum hydrocarbons; CPs = chlorophenols; PCBs = polychlorinated biphenyls; OCs = organochlorine pesticides: PET = Polyethylene Terephthalate, PP = polypropylene (bag acceptable)

1. One soil container is generally sufficient for inorganic analysis and another for extractable organics. A separate container is required for BTEX, THM, VOC, bromomethane and PHC (F1) moisture analysis.
2. Storage temperature refers to storage at the laboratory. Samples should be cooled and transported as soon as possible after collection.
3. Holding time refers to the time delay between time of sample collection and time stabilization/analysis is initiated. For samples stabilized with methanol, the holding time for the recovered methanol extract is up to 40 days from the date of methanol recovery which must occur within 14 days of sampling.
4. For PET containers, preservatives are known to leach antimony under certain circumstances.
5. As an alternative, the U.S. EPA has investigated hermetic sample devices that take and seal a single core sample. The sample is submitted “as is” to the laboratory where it is extruded into an extracting solvent. Samples must be received at the laboratory within 48 hours of sampling. Consult the laboratory for the number of samples required.
6. The U.S. EPA has approved field preservation. Pre-weighed vials containing known weights of methanol preservative (or aqueous sodium bisulphate if used for bromomethane) are sent to the field. Sample cores (approximately 5 grams) are extruded directly into the vial. The vials are sealed and submitted directly to the laboratory. In practice, this technique requires great care to prevent losses of methanol due to leaking vials or through splashing. Consult the laboratory for the number of containers required.
7. Methanol-preserved samples may elevate the detection limit for bromomethane (VOC); a separate bisulphate-preserved sample or hermetically sealed sample may be submitted at the time of sampling if bromomethane is a chemical of concern – contact the laboratory to determine if a separate sample should be collected.
8. For BTEX and PHC (F1) pre-charging the soil sampling container with methanol preservative is an accepted deviation from the CCME method.
9. 1,4-Dioxane may be analysed with the ABNs or VOCs; sample container requirements used for ABNs or VOCs are both acceptable. Consult the laboratory for the container type and the total number required (see also footnote #15).
10. Samples containing visual sediment at the time of analysis should be documented and noted on the Certificate of Analysis or written report as results may be biased high due to the inclusion of sediment in the extraction.
11. Field filter with 0.45 µm immediately prior to adding preservative or filling pre-charged container.
12. Sample directly into a HCl or H_2SO_4 preserved container or add acid to an unfiltered sample immediately after sample collection in the field

13. Aqueous organic samples should be protected from light. If amber bottles are not available, glass should be wrapped in foil.
14. Separate containers are required for each organic water analysis. Consult the laboratory for required volumes. Chloride and electrical conductivity can be taken from the same container.
15. For 1,4-dioxane in soil and sediment, no preservative is required if processed as an ABN; however, methanol is an acceptable alternative if processed as a VOC. For 1,4-dioxane in ground water, no preservative is required, however, $NaHSO_4$ or HCl are acceptable alternatives.
16. Preserved to reduce biodegradation, however, effervescence/degassing may occur in some ground water samples. In this case, rinse preservative out three times with sample and submit to the laboratory as unpreserved.
17. To achieve the 28-day holding time, use the ammonium sulfate buffer solution (i.e., $(NH_4)_2SO_4/NH_4OH$) or $(NH_4)_2SO_4/NH_4OH/NaOH + NaOH$) as specified in U.S. EPA Method 218.6 (revision 3.3, 1994) or Standard Methods 3500-Cr Chromium (2009). Ground water samples must be preserved with ultra-pure concentrated NH_4OH to pH > 9 for analysis by ion chromatography coupled to an ICP-MS. Using only NaOH without the ammonium sulfate buffer to adjust the pH would require analysis within 24 hours of sampling.
18. Alternatively, to achieve a longer hold time, hermetic samples may be frozen within 48 hours of sampling as per ASTM method D6418 – 09; however, storage stability must be validated by the laboratory with no more than 10% losses.
19. Special care must be used when sampling for VOC, BTEX, bromomethane and PHC (F1) in soil and sediment. Studies have shown that substantial losses can occur through volatilization and bacterial degradation. There are several allowable options for field collection of samples. Each is discussed below. Consult SW846, Method 5035A for additional detail. The laboratory is required to stabilize the sample on the day of receipt, either by extraction or freezing.

Appendix C Borehole Logs

Monitoring Well: MW25-1

Project:	Proposed Hintonburg Development	**Method:**	HW/HQ
Client:	Taggart	**Date started/completed:**	05-May-2025 / 06-May-2025
Location:	Ottawa, ON	**Ground surface elevation:**	62.74 m AMSL
Number:	122170424	**Top of casing elevation:**	62.59 m AMSL
Field investigator:	MG	**Easting:**	442839
Contractor:	Downing Drilling	**Northing:**	5027859

SUBSURFACE PROFILE				SAMPLE DETAILS					INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Elevation (m AMSL) Depth (m BGS)	Sample Number	Sample Type	Recovery	RQD	Lab Analyses	Diagram / Description
0	0		Ground Surface	62.74						
			50 mm ASPHALT	0.00						
			SAND and GRAVEL (FILL) grey, moist	62.69	1	GS	n/a	n/a	VOCs, PHCs, PAHs, M&I	Flushmount protective cover with concrete seal
				0.05						
			- brown, with cobbles and boulders		2	GS	n/a	n/a	VOCs, PHCs, PAHs, M&I	
2	1			61.60						
4			BOULDERS	1.14						
				61.37						
			LIMESTONE grey to dark grey, slightly to freshly weathered, strong to very strong, with shale interbeds	1.37	3	HQ	18" 100%	4" 22%		
6	2				4	HQ	53" 88%	51.5" 86%		
8										
10	3				5	HQ	60" 100%	60" 100%		32 mm ID PVC pipe backfilled with bentonite
12	4									
14										
16	5									

Screen Interval: 9.14 - 12.19 m BGS
Sand Pack Interval: 8.69 - 13.11 m BGS
Well Seal Interval: 0.23 - 8.69 m BGS

Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
GS - grab sample
n/a - not available

BTEX - benzene, toluene, ethylbenzene, xylenes
PHC F1-F4 - petroleum hydrocarbon fractions 1 to 4
PAHs - polycyclic aromatic hydrocarbons
M&I - Metals and inorganics
VOCs- volatile organic compounds
FOC - fraction organic carbon
SPLP - synthetic pre

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Drawn By/Checked By: M. Ford

STANTEC BOREHOLE AND WELL V2 122170424_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 9/8/25 MIFORD

Monitoring Well: MW25-1

Project:	Proposed Hintonburg Development	**Method:**	HW/HQ
Client:	Taggart	**Date started/completed:**	05-May-2025 / 06-May-2025
Location:	Ottawa, ON	**Ground surface elevation:**	62.74 m AMSL
Number:	122170424	**Top of casing elevation:**	62.59 m AMSL
Field investigator:	MG	**Easting:**	442839
Contractor:	Downing Drilling	**Northing:**	5027859

SUBSURFACE PROFILE				SAMPLE DETAILS					INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Elevation (m AMSL) Depth (m BGS)	Sample Number	Sample Type	Recovery	RQD	Lab Analyses	Diagram	Description
18			LIMESTONE grey to dark grey, slightly to freshly weathered, strong to very strong, with shale interbeds		6	HQ	60" 100%	60" 100%			
20	6										
22					7	HQ	60" 100%	60" 100%			
24	7										
26					8	HQ	60" 100%	60" 100%			
28	8										
30	9				9	HQ	60" 100%	60" 100%			
32											
34	10										

Screen Interval: 9.14 - 12.19 m BGS
Sand Pack Interval: 8.69 - 13.11 m BGS
Well Seal Interval: 0.23 - 8.69 m BGS

Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
GS - grab sample
n/a - not available

BTEX - benzene, toluene, ethylbenzene, xylenes
PHC F1-F4 - petroleum hydrocarbon fractions 1 to 4
PAHs - polycyclic aromatic hydrocarbons
M&I - Metals and inorganics
VOCs- volatile organic compounds
FOC - fraction organic carbon
SPLP - synthetic pre

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STANTEC BOREHOLE AND WELL V2 122170424_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 9/8/25 MIFORD

Monitoring Well: MW25-1

Project:	Proposed Hintonburg Development	**Method:**	HW/HQ
Client:	Taggart	**Date started/completed:**	05-May-2025 / 06-May-2025
Location:	Ottawa, ON	**Ground surface elevation:**	62.74 m AMSL
Number:	122170424	**Top of casing elevation:**	62.59 m AMSL
Field investigator:	MG	**Easting:**	442839
Contractor:	Downing Drilling	**Northing:**	5027859

SUBSURFACE PROFILE				SAMPLE DETAILS					INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Elevation (m AMSL) Depth (m BGS)	Sample Number	Sample Type	Recovery	RQD	Lab Analyses	Diagram	Description
			LIMESTONE grey to dark grey, slightly to freshly weathered, strong to very strong, with shale interbeds								32 mm ID slotted PVC pipe backfilled with silica sand
36	11										
38					10	HQ	60" 100%	60" 100%			
	12										
40											
42											
	13				11	HQ	60" 100%	60" 100%			
44											
46	14										
					12	HQ	60" 100%	60" 100%			
48											
	15										
50											
52											Backfilled with bentonite

Screen Interval: 9.14 - 12.19 m BGS
Sand Pack Interval: 8.69 - 13.11 m BGS
Well Seal Interval: 0.23 - 8.69 m BGS

Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
GS - grab sample
n/a - not available

BTEX - benzene, toluene, ethylbenzene, xylenes
PHC F1-F4 - petroleum hydrocarbon fractions 1 to 4
PAHs - polycyclic aromatic hydrocarbons
M&I - Metals and inorganics
VOCs- volatile organic compounds
FOC - fraction organic carbon
SPLP - synthetic pre

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STANTEC BOREHOLE AND WELL V2 122170424_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 9/8/25 MIFORD

Monitoring Well: MW25-1

Project:	Proposed Hintonburg Development	**Method:**	HW/HQ
Client:	Taggart	**Date started/completed:**	05-May-2025 / 06-May-2025
Location:	Ottawa, ON	**Ground surface elevation:**	62.74 m AMSL
Number:	122170424	**Top of casing elevation:**	62.59 m AMSL
Field investigator:	MG	**Easting:**	442839
Contractor:	Downing Drilling	**Northing:**	5027859

SUBSURFACE PROFILE				SAMPLE DETAILS					INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Elevation (m AMSL) Depth (m BGS)	Sample Number	Sample Type	Recovery	RQD	Lab Analyses	Diagram	Description
54	17		LIMESTONE grey to dark grey, slightly to freshly weathered, strong to very strong, with shale interbeds		13	HQ	60" 100%	60" 100%			
56											
58	18				14	HQ	60" 100%	60" 100%			
60				44.15							
			End of Borehole	18.59							
62	19										
64											
66	20										
68	21										

Screen Interval: 9.14 - 12.19 m BGS
Sand Pack Interval: 8.69 - 13.11 m BGS
Well Seal Interval: 0.23 - 8.69 m BGS

Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
GS - grab sample
n/a - not available

BTEX - benzene, toluene, ethylbenzene, xylenes
PHC F1-F4 - petroleum hydrocarbon fractions 1 to 4
PAHs - polycyclic aromatic hydrocarbons
M&I - Metals and inorganics
VOCs- volatile organic compounds
FOC - fraction organic carbon
SPLP - synthetic pre

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STANTEC BOREHOLE AND WELL V2 122170424_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 9/8/25 MIFORD

Monitoring Well: MW25-2

Project:	Proposed Hintonburg Development	**Method:**	Hilti DD250 (Core)
Client:	Taggart	**Date started/completed:**	22-May-2025
Location:	Ottawa, ON	**Ground surface elevation:**	62.34 m AMSL
Number:	122170424	**Top of casing elevation:**	62.24 m AMSL
Field investigator:	J. Zachariah	**Easting:**	442837
Contractor:	OGS	**Northing:**	5027910

SUBSURFACE PROFILE				SAMPLE DETAILS						INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Elevation (m AMSL) Depth (m BGS)	Sample Number	Sample Type	Recovery	SCR	RQD	Fractures per 1.52m	Diagram / Description
			Ground Surface	62.34							
			CONCRETE	0.00							Flushmount protective cover with concrete seal
				62.21							
			GRANULAR (FILL) coarse gravel and large cobbles	0.13							
				61.88							
			LIMESTONE (BEDROCK) grey, highly weathered, interbedded shale	0.46	1	CORE	5" 63%	2" 25%	0" 0%	n/a	
2			- grey-black		2	CORE	10" 91%	1" 9%	0" 0%	11	32 mm ID PVC pipe backfilled with bentonite
	1										
4					3	CORE	35" 85%	24" 58%	14" 34%	13	
6											
	2		- black		4	CORE	33" 100%	33" 100%	32" 97%	3	
8											
10	3				5	CORE	24" 92%	23" 88%	23" 88%	2	32 mm ID slotted PVC pipe backfilled with silica sand
12					6	CORE	26" 96%	23" 85%	19" 70%	5	
	4										
14					7	CORE	21" 105%	21" 105%	17" 85%	3	
				57.66							
			End of Borehole	4.68							
16	5										

Screen Interval: 1.63 - 4.68 m BGS
Sand Pack Interval: 1.32 - 4.68 m BGS
Well Seal Interval: 0.23 - 1.32 m BGS

Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
n/a - not available

BTEX - benzene, toluene, ethylbenzene, xylenes
PHC F1-F4 - petroleum hydrocarbon fractions 1 to 4
PAHs - polycyclic aromatic hydrocarbons
M&I - Metals and inorganics
VOCs- volatile organic compounds
FOC - fraction organic carbon
SPLP - synthetic precipitation leaching procedure
gs - grain size
EC - electrical conductivity
SAR - sodium adsorption ratio

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STANTEC BOREHOLE AND WELL V2 122170424_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 9/8/25 MIFORD

Monitoring Well: MW25-3

Project:	Proposed Hintonburg Development	**Method:**	Hilti DD250 (Core)
Client:	Taggart	**Date started/completed:**	26-May-2025
Location:	Ottawa, ON	**Ground surface elevation:**	62.78 m AMSL
Number:	122170424	**Top of casing elevation:**	62.71 m AMSL
Field investigator:	J. Zachariah	**Easting:**	442841
Contractor:	OGS	**Northing:**	5027860

SUBSURFACE PROFILE				SAMPLE DETAILS								INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Elevation (m AMSL) Depth (m BGS)	Sample Number	Sample Type	Recovery	SCR	RQD	Fractures per 1.52m	Lab Analyses	%LEL Comb. 20 40 60 80 / ppm OTOV Comb. 200 400 600 800	Diagram	Description
			Ground Surface	62.78										
			ASPHALT	0.00										Flushmount protective cover with concrete seal
			GRANULAR (FILL) asphalt fragments	62.70 / 0.08										
			GRANULAR (FILL) some sand and cobbles, trace clay	62.63 / 0.15	1	SS	12" 50%	n/a	n/a	n/a	VOCs, PHCs, PAHs, M&I	25 / <0.02		
2				62.02										
	1		SAND brown, with clay, some silt and cobbles, moist	0.76	2	SS	15" 63%	n/a	n/a	n/a	VOCs, PHCs, PAHs, M&I	15 / <0.02		32 mm ID PVC pipe backfilled with bentonite
4				61.41										
			LIMESTONE (BEDROCK) black-grey, highly weathered, interbedded shale	1.37	1	CORE	5" 63%	0" 0%	0" 0%	n/a				
6	2				2	CORE	12" 67%	3" 17%	0" 0%	n/a				
					3	CORE	10" 99%	8" 79%	5" 50%	n/a				
8					4	CORE	38" 90%	31" 74%	24" 57%	10				
10	3													
12	4				5	CORE	36" 100%	31" 86%	28" 78%	6				32 mm ID slotted PVC pipe backfilled with silica sand
14					6	CORE	27" 93%	14" 48%	13" 45%	4				
16	5			57.78										
			End of Borehole	5.00										

Screen Interval: 1.96 - 5.00 m BGS
Sand Pack Interval: 1.65 - 5.00 m BGS
Well Seal Interval: 0.23 - 1.65 m BGS

Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
SS - split-spoon sample
ppm - parts per million by volume
%LEL - percent lower explosive limit
n/a - not available

BTEX - benzene, toluene, ethylbenzene, xylenes
PHC F1-F4 - petroleum hydrocarbon fractions 1 to 4
PAHs - polycyclic aromatic hydrocarbons
M&I - Metals and inorganics
VOCs- volatile organic compounds
FOC - fraction organic carbon
SPLP - synthetic precipitation leaching procedure
gs - grain size
EC - electrical conductivity
SAR - sodium adsorption ratio

Drawn By/Checked By: M. Ford

STANTEC BOREHOLE AND WELL V2 122170424_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 9/8/25 MIFORD

Monitoring Well: MW25-4

Project:	Proposed Hintonburg Development	**Method:**	Hilti DD250 (Core)
Client:	Taggart	**Date started/completed:**	27-May-2025
Location:	Ottawa, ON	**Ground surface elevation:**	62.92 m AMSL
Number:	122170424	**Top of casing elevation:**	62.81 m AMSL
Field investigator:	J. Zachariah	**Easting:**	442852
Contractor:	OGS	**Northing:**	5027872

SUBSURFACE PROFILE				SAMPLE DETAILS								INSTALLATION DETAILS	
Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Elevation (m AMSL) Depth (m BGS)	Sample Number	Sample Type	Recovery	SCR	RQD	Fractures per 1.52m	Lab Analyses	%LEL Comb 20 40 60 80 / ppm OTOV Comb 200 400 600 800	Diagram	Description
			Ground Surface	62.92										
			ASPHALT	0.00										
			GRANULAR (FILL) with asphalt fragments and cobbles	62.82 0.10 62.46										
2	1		SAND brown, with clay, some cobbles, moist	0.46 61.88	1	SS	12" 52%	n/a	n/a	n/a	VOCs, PHCs, PAHs, M&I	15 / <0.02		
4			COBBLES	1.04 61.65	2	SS	0" 0%	n/a	n/a	n/a				
6	2		LIMESTONE (BEDROCK) grey, highly weathered - black-grey, interbedded shale	1.27	1	CORE	4" 81%	0" 0%	0" 0%	n/a				
					2	CORE	12" 85%	2" 14%	0" 0%	n/a				
8					3	CORE	27" 77%	27" 77%	21" 60%	12				
			- cutting head lost off of core, unable to retreive	60.20 2.72	4	CORE	n/a	n/a	n/a	n/a				
10	3		End of Borehole											
12	4													
14														
16	5													

Flushmount protective cover with concrete seal

32 mm ID PVC pipe backfilled with bentonite

32 mm ID slotted PVC pipe backfilled with silica sand

Screen Interval: 1.65 - 2.72 m BGS
Sand Pack Interval: 1.35 - 2.72 m BGS
Well Seal Interval: 0.23 - 1.35 m BGS

Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
SS - split-spoon sample
ppm - parts per million by volume
%LEL - percent lower explosive limit
n/a - not available

BTEX - benzene, toluene, ethylbenzene, xylenes
PHC F1-F4 - petroleum hydrocarbon fractions 1 to 4
PAHs - polycyclic aromatic hydrocarbons
M&I - Metals and inorganics
VOCs- volatile organic compounds
FOC - fraction organic carbon
SPLP - synthetic precipitation leaching procedure
gs - grain size
EC - electrical conductivity
SAR - sodium adsorption ratio

Drawn By/Checked By: M. Ford

STANTEC BOREHOLE AND WELL V2 122170424_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 9/8/25 MIFORD

Monitoring Well: MW25-5

Project:	Proposed Hintonburg Development	**Method:**	Hilti DD250 (Core)
Client:	Taggart	**Date started/completed:**	20-May-2025
Location:	Ottawa, ON	**Ground surface elevation:**	62.46 m AMSL
Number:	122170424	**Top of casing elevation:**	62.41 m AMSL
Field investigator:	J. Zachariah	**Easting:**	442824
Contractor:	OGS	**Northing:**	5027860

Depth (ft)	Depth (m)	Graphic Log	Stratigraphic Description	Elevation (m AMSL) / Depth (m BGS)	Sample Number	Sample Type	Recovery	SCR	RQD	Fractures per 1.52m	Diagram	Description
			Ground Surface	62.46								
			CONCRETE	0.00 62.28								Flushmount protective cover with concrete seal
			GRANULAR (FILL)	0.18 62.26								
			CONCRETE									
			GRANULAR (FILL)	0.20 62.16								
				0.30								
2			LIMESTONE (BEDROCK) grey, weathered, interbedded shale	61.85 0.61								
	1				1	CORE	27" 64%	16" 38%	8" 19%	n/a		32 mm ID PVC pipe backfilled with bentonite
4												
6			- black-grey		2	CORE	30" 91%	30" 91%	21" 64%	n/a		
	2											
8			- black, petroleum hydrocarbon odour from 2.51 m BGS to 2.99 m BGS		3	CORE	19" 100%	19" 100%	14" 73%	4		
10	3				4	CORE	37" 88%	34" 81%	34" 81%	4		32 mm ID slotted PVC pipe backfilled with silica sand
12												
	4											
14					5	CORE	36" 100%	36" 100%	34" 94%	4		
16				57.48								
	5		End of Borehole	4.98								

Screen Interval: 1.93 - 4.98 m BGS
Sand Pack Interval: 1.63 - 4.98 m BGS
Well Seal Interval: 0.23 - 1.63 m BGS

Notes:
m AMSL - metres above mean sea level
m BGS - metres below ground surface
n/a - not available

BTEX - benzene, toluene, ethylbenzene, xylenes
PHC F1-F4 - petroleum hydrocarbon fractions 1 to 4
PAHs - polycyclic aromatic hydrocarbons
M&I - Metals and inorganics
VOCs- volatile organic compounds
FOC - fraction organic carbon
SPLP - synthetic precipitation leaching procedure
gs - grain size
EC - electrical conductivity
SAR - sodium adsorption ratio

Stantec

Drawn By/Checked By: M. Ford

STANTEC BOREHOLE AND WELL V2 122170424_BHLOGS.GPJ STANTEC - DATA TEMPLATE.GDT 9/8/25 MIFORD

Appendix D Laboratory Certificates of Analysis Including Grain Size Analysis

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Certificate of Analysis

Stantec Consulting Ltd. (Ottawa)
1331 Clyde Avenue Suite 400
Ottawa, ON K2C 3G4
Attn: Dylan Hemmings

Client PO:
Project: 122170424
Custody: 71805, 71807

Report Date: 6-Jul-2023
Order Date: 26-Jun-2023

Order #: 2326109

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2326109-01	TCLP

Approved By:



Dale Robertson, BSc
Laboratory Director

Certificate of Analysis

Report Date: 06-Jul-2023

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 26-Jun-2023

Client PO:

Project Description: 122170424

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Ignitability	based on EPA 1030	28-Jun-23	28-Jun-23
Metals, ICP-MS	TCLP EPA 6020 - Digestion - ICP-MS	28-Jun-23	28-Jun-23
PCBs, total	SW846 8082A - GC-ECD	28-Jun-23	29-Jun-23
pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	28-Jun-23	29-Jun-23
REG 558 - Cyanide	TCLP MOE E3015- Auto Colour	28-Jun-23	28-Jun-23
REG 558 - Fluoride	TCLP EPA 340.2 - ISE	28-Jun-23	28-Jun-23
REG 558 - Mercury by CVAA	TCLP EPA 7470A, CVAA	28-Jun-23	28-Jun-23
REG 558 - NO3/NO2	TCLP EPA 300.1 - IC	5-Jul-23	5-Jul-23
REG 558 - SVOCs	EPA 625 - GC-MS	30-Jun-23	30-Jun-23
REG 558 - VOCs	TCLP ZHE EPA 624 - P&T GC-MS	28-Jun-23	28-Jun-23
Solids, %	CWS Tier 1 - Gravimetric	29-Jun-23	29-Jun-23

Certificate of Analysis

Report Date: 06-Jul-2023

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 26-Jun-2023

Client PO:

Project Description: 122170424

	Client ID:	TCLP	-	-	-		
	Sample Date:	26-Jun-23 12:30	-	-	-	-	-
	Sample ID:	2326109-01	-	-	-		
	Matrix:	Soil	-	-	-		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	93.5	-	-	-	-	-
Ignitability	N/A	Negative	-	-	-	-	-
EPA 1311 - TCLP Leachate Inorganics							
Fluoride	0.05 mg/L	0.28	-	-	-	-	-
Nitrate as N	1 mg/L	<1	-	-	-	-	-
Nitrite as N	1 mg/L	<1	-	-	-	-	-
Cyanide, free	0.02 mg/L	<0.02	-	-	-	-	-
EPA 1311 - TCLP Leachate Metals							
Arsenic	0.05 mg/L	<0.05	-	-	-	-	-
Barium	0.05 mg/L	0.91	-	-	-	-	-
Boron	0.1 mg/L	<0.10	-	-	-	-	-
Cadmium	0.01 mg/L	<0.01	-	-	-	-	-
Chromium	0.05 mg/L	<0.05	-	-	-	-	-
Lead	0.05 mg/L	<0.05	-	-	-	-	-
Mercury	0.005 mg/L	<0.005	-	-	-	-	-
Selenium	0.05 mg/L	<0.05	-	-	-	-	-
Silver	0.05 mg/L	<0.05	-	-	-	-	-
Uranium	0.05 mg/L	<0.05	-	-	-	-	-
EPA 1311 - TCLP Leachate Volatiles							
Benzene	0.005 mg/L	<0.005	-	-	-	-	-
Carbon Tetrachloride	0.005 mg/L	<0.005	-	-	-	-	-
Chlorobenzene	0.004 mg/L	<0.004	-	-	-	-	-
Chloroform	0.006 mg/L	<0.006	-	-	-	-	-
1,2-Dichlorobenzene	0.004 mg/L	<0.004	-	-	-	-	-
1,4-Dichlorobenzene	0.004 mg/L	<0.004	-	-	-	-	-

	Client ID:	TCLP	-	-	-	-	-
	Sample Date:	26-Jun-23 12:30	-	-	-		
	Sample ID:	2326109-01	-	-	-		
	Matrix:	Soil	-	-	-		
	MDL/Units						
EPA 1311 - TCLP Leachate Volatiles							
1,2-Dichloroethane	0.005 mg/L	<0.005	-	-	-	-	-
1,1-Dichloroethylene	0.006 mg/L	<0.006	-	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.3 mg/L	<0.30	-	-	-	-	-
Methylene Chloride	0.04 mg/L	<0.04	-	-	-	-	-
Tetrachloroethylene	0.005 mg/L	<0.005	-	-	-	-	-
Trichloroethylene	0.004 mg/L	<0.004	-	-	-	-	-
Vinyl chloride	0.005 mg/L	<0.005	-	-	-	-	-
Toluene-d8	Surrogate	104%	-	-	-	-	-
4-Bromofluorobenzene	Surrogate	104%	-	-	-	-	-
Dibromofluoromethane	Surrogate	111%	-	-	-	-	-
EPA 1311 - TCLP Leachate Organics							
2,4-Dinitrotoluene	0.001 mg/L	<0.001	-	-	-	-	-
Benzo [a] pyrene	0.001 mg/L	<0.001	-	-	-	-	-
Nitrobenzene	0.001 mg/L	<0.001	-	-	-	-	-
Hexachloroethane	0.001 mg/L	<0.001	-	-	-	-	-
Hexachlorobenzene	0.05 mg/L	<0.050	-	-	-	-	-
Hexachlorobutadiene	0.001 mg/L	<0.001	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	0.002 mg/L	<0.002	-	-	-	-	-
2,4,5-Trichlorophenol	0.001 mg/L	<0.001	-	-	-	-	-
2,4,6-Trichlorophenol	0.001 mg/L	<0.001	-	-	-	-	-
2,4-Dichlorophenol	0.001 mg/L	<0.001	-	-	-	-	-
2-Methylphenol	0.001 mg/L	<0.001	-	-	-	-	-
3/4-Methylphenol	0.001 mg/L	<0.001	-	-	-	-	-
Pentachlorophenol	0.005 mg/L	<0.005	-	-	-	-	-
2,4,6-Tribromophenol	Surrogate	135%	-	-	-	-	-

Certificate of Analysis

Report Date: 06-Jul-2023

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 26-Jun-2023

Client PO:

Project Description: 122170424

	Client ID:	TCLP	-	-	-		
	Sample Date:	26-Jun-23 12:30	-	-	-	-	-
	Sample ID:	2326109-01	-	-	-		
	Matrix:	Soil	-	-	-		
	MDL/Units						
EPA 1311 - TCLP Leachate Organics							
2-Fluorophenol	Surrogate	32.6% [1]	-	-	-	-	-
2-Fluorobiphenyl	Surrogate	76.9%	-	-	-	-	-
Terphenyl-d14	Surrogate	105%	-	-	-	-	-
General Inorganics							
pH	0.05 pH Units	7.62	-	-	-	-	-
PCBs							
PCBs, total	0.05 ug/g	<0.05	-	-	-	-	-
Decachlorobiphenyl	Surrogate	82.0%	-	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics								
Fluoride	ND	0.05	mg/L					
Nitrate as N	ND	1	mg/L					
Nitrite as N	ND	1	mg/L					
Cyanide, free	ND	0.02	mg/L					
EPA 1311 - TCLP Leachate Metals								
Arsenic	ND	0.05	mg/L					
Barium	ND	0.05	mg/L					
Boron	ND	0.10	mg/L					
Cadmium	ND	0.01	mg/L					
Chromium	ND	0.05	mg/L					
Lead	ND	0.05	mg/L					
Mercury	ND	0.005	mg/L					
Selenium	ND	0.05	mg/L					
Silver	ND	0.05	mg/L					
Uranium	ND	0.05	mg/L					
EPA 1311 - TCLP Leachate Organics								
2,4-Dinitrotoluene	ND	0.001	mg/L					
Benzo [a] pyrene	ND	0.001	mg/L					
Nitrobenzene	ND	0.001	mg/L					
Hexachloroethane	ND	0.001	mg/L					
Hexachlorobenzene	ND	0.050	mg/L					
Hexachlorobutadiene	ND	0.001	mg/L					
2,3,4,6-Tetrachlorophenol	ND	0.002	mg/L					
2,4,5-Trichlorophenol	ND	0.001	mg/L					
2,4,6-Trichlorophenol	ND	0.001	mg/L					
2,4-Dichlorophenol	ND	0.001	mg/L					
2-Methylphenol	ND	0.001	mg/L					
3/4-Methylphenol	ND	0.001	mg/L					
Pentachlorophenol	ND	0.005	mg/L					
Surrogate: 2,4,6-Tribromophenol	*0.038*		*%*	*95.9*	*40-150*			
Surrogate: 2-Fluorobiphenyl	*0.011*		*%*	*55.8*	*40-150*			

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: 2-Fluorophenol	*0.0050*		*%*	*12.4*	*40-150*			S-GC
Surrogate: Terphenyl-d14	*0.017*		*%*	*83.2*	*40-150*			
EPA 1311 - TCLP Leachate Volatiles								
Benzene	ND	0.005	mg/L					
Carbon Tetrachloride	ND	0.005	mg/L					
Chlorobenzene	ND	0.004	mg/L					
Chloroform	ND	0.006	mg/L					
1,2-Dichlorobenzene	ND	0.004	mg/L					
1,4-Dichlorobenzene	ND	0.004	mg/L					
1,2-Dichloroethane	ND	0.005	mg/L					
1,1-Dichloroethylene	ND	0.006	mg/L					
Methyl Ethyl Ketone (2-Butanone)	ND	0.30	mg/L					
Methylene Chloride	ND	0.04	mg/L					
Tetrachloroethylene	ND	0.005	mg/L					
Trichloroethylene	ND	0.004	mg/L					
Vinyl chloride	ND	0.005	mg/L					
Surrogate: 4-Bromofluorobenzene	*0.690*		*%*	*100*	*83-134*			
Surrogate: Dibromofluoromethane	*0.672*		*%*	*97.7*	*78-124*			
Surrogate: Toluene-d8	*0.701*		*%*	*102*	*76-118*			
PCBs								
PCBs, total	ND	0.05	ug/g					
Surrogate: Decachlorobiphenyl	*0.0847*		*%*	*84.7*	*60-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics									
Fluoride	0.28	0.05	mg/L	0.28			0.3	20	
Nitrate as N	1	1	mg/L	1			2.9	20	
Nitrite as N	ND	1	mg/L	ND			NC	20	
Cyanide, free	ND	0.02	mg/L	ND			NC	20	
EPA 1311 - TCLP Leachate Metals									
Arsenic	ND	0.05	mg/L	ND			NC	29	
Barium	0.676	0.05	mg/L	0.686			1.5	34	
Boron	ND	0.10	mg/L	ND			NC	33	
Cadmium	ND	0.01	mg/L	ND			NC	33	
Chromium	ND	0.05	mg/L	ND			NC	32	
Lead	ND	0.05	mg/L	ND			NC	32	
Mercury	ND	0.005	mg/L	ND			NC	30	
Selenium	ND	0.05	mg/L	ND			NC	28	
Silver	ND	0.05	mg/L	ND			NC	28	
Uranium	ND	0.05	mg/L	ND			NC	27	
EPA 1311 - TCLP Leachate Volatiles									
Benzene	ND	0.005	mg/L	ND			NC	25	
Carbon Tetrachloride	ND	0.005	mg/L	ND			NC	25	
Chlorobenzene	ND	0.004	mg/L	ND			NC	25	
Chloroform	ND	0.006	mg/L	ND			NC	25	
1,2-Dichlorobenzene	ND	0.004	mg/L	ND			NC	25	
1,4-Dichlorobenzene	ND	0.004	mg/L	ND			NC	25	
1,2-Dichloroethane	ND	0.005	mg/L	ND			NC	25	
1,1-Dichloroethylene	ND	0.006	mg/L	ND			NC	25	
Methyl Ethyl Ketone (2-Butanone)	ND	0.30	mg/L	ND			NC	25	
Methylene Chloride	ND	0.04	mg/L	ND			NC	25	
Tetrachloroethylene	ND	0.005	mg/L	ND			NC	25	
Trichloroethylene	ND	0.004	mg/L	ND			NC	25	
Vinyl chloride	ND	0.005	mg/L	ND			NC	25	
Surrogate: 4-Bromofluorobenzene	*0.703*		*%*		*102*	*83-134*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*0.749*		*%*		*109*	*78-124*			
Surrogate: Toluene-d8	*0.698*		*%*		*102*	*76-118*			
General Inorganics									
pH	7.75	0.05	pH Units	7.77			0.3	2.3	
PCBs									
PCBs, total	ND	0.05	ug/g	ND			NC	40	
Surrogate: Decachlorobiphenyl	*0.152*		*%*		*92.8*	*60-140*			
Physical Characteristics									
% Solids	75.5	0.1	% by Wt.	75.0			0.6	25	

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics									
Fluoride	0.77	0.05	mg/L	0.28	99.3	70-130			
Nitrate as N	12	1	mg/L	1	108	81-112			
Nitrite as N	9	1	mg/L	ND	89.2	76-107			
Cyanide, free	0.040	0.02	mg/L	ND	80.5	52-148			
EPA 1311 - TCLP Leachate Metals									
Arsenic	57.5	0.05	mg/L	0.142	115	83-119			
Barium	58.3	0.05	mg/L	ND	117	80-120			
Boron	62.0	0.10	mg/L	6.96	110	71-128			
Cadmium	54.2	0.01	mg/L	0.115	108	78-119			
Chromium	61.5	0.05	mg/L	ND	123	80-124			
Lead	51.2	0.05	mg/L	0.633	101	77-126			
Mercury	0.0263	0.005	mg/L	ND	87.7	70-130			
Selenium	48.2	0.05	mg/L	0.255	96.0	75-125			
Silver	56.6	0.05	mg/L	ND	113	70-128			
Uranium	51.2	0.05	mg/L	0.362	102	70-131			
EPA 1311 - TCLP Leachate Organics									
2,4-Dinitrotoluene	0.007	0.001	mg/L	ND	65.6	50-140			
Benzo [a] pyrene	0.006	0.001	mg/L	ND	64.0	50-140			
Nitrobenzene	0.005	0.001	mg/L	ND	54.0	50-140			
Hexachloroethane	0.006	0.001	mg/L	ND	55.5	50-140			
Hexachlorobutadiene	0.005	0.001	mg/L	ND	52.0	50-140			
2,3,4,6-Tetrachlorophenol	0.008	0.002	mg/L	ND	77.2	51-140			
2,4,5-Trichlorophenol	0.009	0.001	mg/L	ND	87.6	50-140			
2,4,6-Trichlorophenol	0.009	0.001	mg/L	ND	88.8	50-140			
2,4-Dichlorophenol	0.008	0.001	mg/L	ND	84.1	50-140			
2-Methylphenol	0.007	0.001	mg/L	ND	67.8	50-140			
3/4-Methylphenol	0.007	0.001	mg/L	ND	65.5	50-140			
Pentachlorophenol	0.006	0.005	mg/L	ND	61.5	50-140			
Surrogate: 2,4,6-Tribromophenol	*0.055*		*%*		*138*	*40-150*			
Surrogate: 2-Fluorobiphenyl	*0.0096*		*%*		*48.2*	*40-150*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: 2-Fluorophenol	*0.011*		*%*		*28.0*	*40-150*			*S-GC*
Surrogate: Terphenyl-d14	*0.019*		*%*		*95.8*	*40-150*			
EPA 1311 - TCLP Leachate Volatiles									
Benzene	0.260	0.005	mg/L	ND	75.6	55-141			
Carbon Tetrachloride	0.325	0.005	mg/L	ND	94.4	49-149			
Chlorobenzene	0.375	0.004	mg/L	ND	109	64-137			
Chloroform	0.367	0.006	mg/L	ND	107	58-138			
1,2-Dichlorobenzene	0.362	0.004	mg/L	ND	105	60-150			
1,4-Dichlorobenzene	0.354	0.004	mg/L	ND	103	63-132			
1,2-Dichloroethane	0.273	0.005	mg/L	ND	79.3	50-140			
1,1-Dichloroethylene	0.406	0.006	mg/L	ND	118	43-153			
Methyl Ethyl Ketone (2-Butanone)	0.521	0.30	mg/L	ND	60.6	26-153			
Methylene Chloride	0.338	0.04	mg/L	ND	98.4	58-149			
Tetrachloroethylene	0.375	0.005	mg/L	ND	109	51-145			
Trichloroethylene	0.271	0.004	mg/L	ND	78.8	52-135			
Vinyl chloride	0.360	0.005	mg/L	ND	105	31-159			
Surrogate: 4-Bromofluorobenzene	*0.729*		*%*		*106*	*83-134*			
Surrogate: Dibromofluoromethane	*0.742*		*%*		*108*	*78-124*			
Surrogate: Toluene-d8	*0.668*		*%*		*97.0*	*76-118*			
PCBs									
PCBs, total	0.915	0.05	ug/g	ND	139	60-140			
Surrogate: Decachlorobiphenyl	*0.130*		*%*		*79.1*	*60-140*			

Qualifier Notes:

Sample Qualifiers :

1: The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QC Qualifiers:

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

Soil results are reported on a dry weight basis unlesss otherwise noted.

Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

PARACEL LABORATORIES LTI

Paracel ID: 2326109

Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
2326109 = TCLP 2326112 = Bulk	№ 71805

Client Name: STANTEC

Contact Name: DYLAN HEMMINGS

Address: 1331 CLYDE AVE OTTAWA ON

Telephone:

Project Ref: 122170424

Quote #:

PO #:

E-mail: DYLAN.HEMMINGS@STANTEC.COM

Page 1 of 2

Turnaround Time

☐ 1 day ☐ 3 day

☐ 2 day ☒ Regular

Date Required:

☒ REG 153/04 ☒ REG 406/19

☐ Table 1 ☐ Res/Park ☐ Med/Fine

☐ Table 2 ☐ Ind/Comm ☐ Coarse

☐ Table 3 ☐ Agri/Other

☐ Table

For RSC: ☐ Yes ☐ No

Other Regulation

☐ REG 558 ☐ PWQO

☐ CCME ☐ MISA

☐ SU - Sani ☐ SU - Storm

Mun:

☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	Grain Size	SPLP	FOC	VOC	PHC F1-F4	PAH	ICP Metals + Hydride	PH, EC, SAR				
1	BH23-1	S		6	6/26/23	0850	X	X	X	X	X	X	X	X				
2	QC-01	S		1		0830			X									
3	QC-02	S		2		0900				X	X	X	X	X				
4	BH23-2	S		2		0900				X	X	X	X	X				
5	BH23-3	S		2		0930				X	X	X	X	X				
6	BH23-4	S		2		1000				X	X	X	X	X				
7	BH23-5	S		2		1030				X	X	X	X	X				
8	BH23-6	S		3		1100	X			X	X	X	X	X				
9	BH23-7	S		6		1130	X	X	X	X	X	X	X	X				
10	BH23-8	S		6	↓	1200	X	X	X	X	X	X	X	X				

Comments:

Relinquished By (Sign):

Relinquished By (Print): TREVOR SAUNDERS

Date/Time: 6/26/23

Chain of Custody (Blank).xlsx

Received By Driver/Depot:

Date/Time:

Temperature: °C

Received at Lab: 1400

Date/Time: June 26/23

Temperature: 18.3 °C

Method of Delivery: WALK IN

Verified By: SD

Date/Time: June 26, 2023 3:56pm

pH Verified: ☐ By:

PARACEL LABORATORIES LTD.

Paracel ID: 2326109

Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
2326109 = TCLP 2326112 = Bulk	№ 71807

Client Name: STANTEC	Project Ref: 122170424	Page 2 of 2
Contact Name: DYLAN HEMMINGS	Quote #:	Turnaround Time
Address: 1331 CLYDE AVE OTTAWA	PO #:	☐ 1 day ☐ 3 day
Telephone:	E-mail: DYLAN.HEMMINGS@STANTEC.COM.	☐ 2 day ☒ Regular
		Date Required:

O.Reg 153/04 O.Reg 406/19

☐ Table 1	☐ Res/Park	☐ Med/Fine	Other Regulation	
☐ Table 2	☐ Ind/Comm	☐ Coarse	☐ REG 558	☐ PWQO
☐ Table 3	☐ Agri/Other		☐ CCME	☐ MISA
☐ Table ___			☐ SU - Sani	☐ SU - Storm
For RSC: ☐ Yes ☐ No			Mun:	
			☐ Other:	

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	Required Analysis: TCLP
1	TCLP	S		2	6/26/23	1230	X
2							
3							
4							
5							
6							
7							
8							
9							
10							

Comments:

Method of Delivery: Walk In

Relinquished By (Sign):	Received By Driver/Depot:	Received at Lab: CB 1400	Verified By: SD
Relinquished By (Print): Trevor Saunders	Date/Time:	Date/Time: June 26/23	Date/Time: June 26, 2026 4:17 pm
Date/Time: 6/26/23	Temperature: °C	Temperature: 18.3 °C	pH Verified: ☐ By:

PARACEL LABORATORIES LTD.

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Ottawa, ON, K1G 4J8
1-800-749-1947
www.paracellabs.com

Certificate of Analysis

Stantec Consulting Ltd. (Ottawa)
1331 Clyde Avenue Suite 300
Ottawa, ON K2C 3G4
Attn: Philip Resendes

Client PO:
Project: 122170424
Custody: 146992

Report Date: 25-Jun-2025
Order Date: 16-Jun-2025

Order #: 2525069

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2525069-01	MW25-05
2525069-02	E3
2525069-03	MW16-1
2525069-04	MW14-1B
2525069-05	MW14-1A
2525069-06	MW25-04
2525069-07	QC-01
2525069-08	TRIP BLANK

Approved By:



Mark Foto, M.Sc.
Laboratory Director

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
PHC F1	CWS Tier 1 - P&T GC-FID	17-Jun-25	18-Jun-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	19-Jun-25	19-Jun-25
REG 153: PAHs by GC-MS	EPA 625 - GC-MS, extraction	18-Jun-25	18-Jun-25
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	17-Jun-25	18-Jun-25

Certificate of Analysis

Report Date: 25-Jun-2025

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 16-Jun-2025

Client PO:

Project Description: 122170424

	Client ID:	MW25-05	E3	MW16-1	MW14-1B	-	-
	Sample Date:	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00		
	Sample ID:	2525069-01	2525069-02	2525069-03	2525069-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Acetone	5.0 ug/L	<5.0	26.6	<5.0	<5.0	-	-
Benzene	0.5 ug/L	3.2	<0.5	0.7	99.8	-	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Chloroform	0.5 ug/L	0.8	<0.5	<0.5	<0.5	-	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethylene	0.5 ug/L	10.2	<0.5	<0.5	125	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	7890	59.1	<0.5	78800	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	209	5.8	5.8	510	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Ethylbenzene	0.5 ug/L	1.4	13.0	<0.5	145	-	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 25-Jun-2025

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 16-Jun-2025

Client PO:

Project Description: 122170424

	Client ID:	MW25-05	E3	MW16-1	MW14-1B	-	-
	Sample Date:	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00		
	Sample ID:	2525069-01	2525069-02	2525069-03	2525069-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	-	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Tetrachloroethylene	0.5 ug/L	2420	4.2	<0.5	19100	-	-
Toluene	0.5 ug/L	<0.5	<0.5	<0.5	503	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Trichloroethylene	0.5 ug/L	1010	20.7	<0.5	28100	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
Vinyl chloride	0.5 ug/L	2590	101	<0.5	10800	-	-
m,p-Xylenes	0.5 ug/L	6.3	11.4	<0.5	225	-	-
o-Xylene	0.5 ug/L	6.8	16.1	<0.5	81.0	-	-
Xylenes, total	0.5 ug/L	13.1	23.6	<0.5	306	-	-
Dibromofluoromethane	Surrogate	129%	139%	114%	121%	-	-
Toluene-d8	Surrogate	80.0%	105%	105%	98.0%	-	-
4-Bromofluorobenzene	Surrogate	101%	108%	106%	104%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	3390 [2]	-	-	14400 [2]	-	-
F2 PHCs (C10-C16)	100 ug/L	<100	-	-	<100	-	-
F3 PHCs (C16-C34)	100 ug/L	<100	-	-	<100	-	-
F4 PHCs (C34-C50)	100 ug/L	<100	-	-	<100	-	-

	Client ID:	MW25-05	E3	MW16-1	MW14-1B	-	-
	Sample Date:	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00		
	Sample ID:	2525069-01	2525069-02	2525069-03	2525069-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Semi-Volatiles							
Acenaphthene	0.05 ug/L	<0.05	-	-	<1.00 [1]	-	-
Acenaphthylene	0.05 ug/L	0.07	-	-	<1.00 [1]	-	-
Anthracene	0.01 ug/L	0.04	-	-	<0.20 [1]	-	-
Benzo [a] anthracene	0.01 ug/L	0.05	-	-	0.24	-	-
Benzo [a] pyrene	0.01 ug/L	0.04	-	-	<0.20 [1]	-	-
Benzo [b] fluoranthene	0.05 ug/L	0.06	-	-	<1.00 [1]	-	-
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	-	-	<1.00 [1]	-	-
Benzo [k] fluoranthene	0.05 ug/L	<0.05	-	-	<1.00 [1]	-	-
Chrysene	0.05 ug/L	0.06	-	-	<1.00 [1]	-	-
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	-	-	<1.00 [1]	-	-
Fluoranthene	0.01 ug/L	0.08	-	-	0.42	-	-
Fluorene	0.05 ug/L	0.07	-	-	<1.00 [1]	-	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	-	-	<1.00 [1]	-	-
1-Methylnaphthalene	0.05 ug/L	0.48	-	-	<1.00 [1]	-	-
2-Methylnaphthalene	0.05 ug/L	0.68	-	-	1.09	-	-
Methylnaphthalene (1&2)	0.10 ug/L	1.16	-	-	<2.00 [1]	-	-
Naphthalene	0.05 ug/L	2.37	-	-	7.39	-	-
Phenanthrene	0.05 ug/L	0.14	-	-	<1.00 [1]	-	-
Pyrene	0.01 ug/L	0.08	-	-	0.29	-	-
2-Fluorobiphenyl	Surrogate	79.9%	-	-	80.6%	-	-
Terphenyl-d14	Surrogate	87.5%	-	-	100%	-	-

	Client ID:	MW14-1A	MW25-04	QC-01	TRIP BLANK	-	-
	Sample Date:	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00	12-Jun-25 09:00		
	Sample ID:	2525069-05	2525069-06	2525069-07	2525069-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Water		
	MDL/Units						
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Benzene	0.5 ug/L	67.1	<0.5	112	<0.5	-	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethylene	0.5 ug/L	80.9	<0.5	130	<0.5	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	70200	4.6	72200	<0.5	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	172	<0.5	515	<0.5	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Ethylbenzene	0.5 ug/L	132	<0.5	152	<0.5	-	-
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-

	Client ID:	MW14-1A	MW25-04	QC-01	TRIP BLANK	-	-
	Sample Date:	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00	12-Jun-25 09:00		
	Sample ID:	2525069-05	2525069-06	2525069-07	2525069-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Water		
	MDL/Units						
Volatiles							
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	-	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Tetrachloroethylene	0.5 ug/L	2720	<0.5	20200	<0.5	-	-
Toluene	0.5 ug/L	285	<0.5	522	<0.5	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Trichloroethylene	0.5 ug/L	1720	<0.5	25400	<0.5	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
Vinyl chloride	0.5 ug/L	12300	<0.5	10600	<0.5	-	-
m,p-Xylenes	0.5 ug/L	127	<0.5	242	<0.5	-	-
o-Xylene	0.5 ug/L	59.7	<0.5	116	<0.5	-	-
Xylenes, total	0.5 ug/L	187	<0.5	358	<0.5	-	-
4-Bromofluorobenzene	Surrogate	106%	104%	108%	106%	-	-
Dibromofluoromethane	Surrogate	138%	95.7%	76.8%	116%	-	-
Toluene-d8	Surrogate	97.4%	105%	99.2%	104%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	-	<25	13900 [2]	-	-	-
F2 PHCs (C10-C16)	100 ug/L	-	<100	833	-	-	-
F3 PHCs (C16-C34)	100 ug/L	-	<100	617	-	-	-
F4 PHCs (C34-C50)	100 ug/L	-	<100	560	-	-	-

	Client ID:	MW14-1A	MW25-04	QC-01	TRIP BLANK	-	-
	Sample Date:	16-Jun-25 09:00	16-Jun-25 09:00	16-Jun-25 09:00	12-Jun-25 09:00		
	Sample ID:	2525069-05	2525069-06	2525069-07	2525069-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Water		
	MDL/Units						
Semi-Volatiles							
Acenaphthene	0.05 ug/L	-	<0.05	<0.05	-	-	-
Acenaphthylene	0.05 ug/L	-	<0.05	<0.05	-	-	-
Anthracene	0.01 ug/L	-	0.07	0.03	-	-	-
Benzo [a] anthracene	0.01 ug/L	-	0.13	0.05	-	-	-
Benzo [a] pyrene	0.01 ug/L	-	0.10	0.04	-	-	-
Benzo [b] fluoranthene	0.05 ug/L	-	0.16	0.06	-	-	-
Benzo [g,h,i] perylene	0.05 ug/L	-	0.05	<0.05	-	-	-
Benzo [k] fluoranthene	0.05 ug/L	-	0.05	<0.05	-	-	-
Chrysene	0.05 ug/L	-	0.13	0.07	-	-	-
Dibenzo [a,h] anthracene	0.05 ug/L	-	<0.05	<0.05	-	-	-
Fluoranthene	0.01 ug/L	-	0.30	0.13	-	-	-
Fluorene	0.05 ug/L	-	<0.05	0.07	-	-	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	-	0.07	<0.05	-	-	-
1-Methylnaphthalene	0.05 ug/L	-	<0.05	0.37	-	-	-
2-Methylnaphthalene	0.05 ug/L	-	<0.05	0.64	-	-	-
Methylnaphthalene (1&2)	0.10 ug/L	-	<0.10	1.01	-	-	-
Naphthalene	0.05 ug/L	-	<0.05	4.74	-	-	-
Phenanthrene	0.05 ug/L	-	0.29	0.16	-	-	-
Pyrene	0.01 ug/L	-	0.24	0.11	-	-	-
2-Fluorobiphenyl	Surrogate	-	69.8%	72.7%	-	-	-
Terphenyl-d14	Surrogate	-	78.3%	78.2%	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons								
F1 PHCs (C6-C10)	ND	25	ug/L					
F2 PHCs (C10-C16)	ND	100	ug/L					
F3 PHCs (C16-C34)	ND	100	ug/L					
F4 PHCs (C34-C50)	ND	100	ug/L					
Semi-Volatiles								
Acenaphthene	ND	0.05	ug/L					
Acenaphthylene	ND	0.05	ug/L					
Anthracene	ND	0.01	ug/L					
Benzo [a] anthracene	ND	0.01	ug/L					
Benzo [a] pyrene	ND	0.01	ug/L					
Benzo [b] fluoranthene	ND	0.05	ug/L					
Benzo [g,h,i] perylene	ND	0.05	ug/L					
Benzo [k] fluoranthene	ND	0.05	ug/L					
Chrysene	ND	0.05	ug/L					
Dibenzo [a,h] anthracene	ND	0.05	ug/L					
Fluoranthene	ND	0.01	ug/L					
Fluorene	ND	0.05	ug/L					
Indeno [1,2,3-cd] pyrene	ND	0.05	ug/L					
1-Methylnaphthalene	ND	0.05	ug/L					
2-Methylnaphthalene	ND	0.05	ug/L					
Methylnaphthalene (1&2)	ND	0.10	ug/L					
Naphthalene	ND	0.05	ug/L					
Phenanthrene	ND	0.05	ug/L					
Pyrene	ND	0.01	ug/L					
Surrogate: 2-Fluorobiphenyl	*14.6*		*%*	*73.0*	*50-140*			
Surrogate: Terphenyl-d14	*15.4*		*%*	*77.2*	*50-140*			
Volatiles								
Acetone	ND	5.0	ug/L					
Benzene	ND	0.5	ug/L					
Bromodichloromethane	ND	0.5	ug/L					
Bromoform	ND	0.5	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Bromomethane	ND	0.5	ug/L					
Carbon Tetrachloride	ND	0.2	ug/L					
Chlorobenzene	ND	0.5	ug/L					
Chloroform	ND	0.5	ug/L					
Dibromochloromethane	ND	0.5	ug/L					
Dichlorodifluoromethane	ND	1.0	ug/L					
1,2-Dichlorobenzene	ND	0.5	ug/L					
1,3-Dichlorobenzene	ND	0.5	ug/L					
1,4-Dichlorobenzene	ND	0.5	ug/L					
1,1-Dichloroethane	ND	0.5	ug/L					
1,2-Dichloroethane	ND	0.5	ug/L					
1,1-Dichloroethylene	ND	0.5	ug/L					
cis-1,2-Dichloroethylene	ND	0.5	ug/L					
trans-1,2-Dichloroethylene	ND	0.5	ug/L					
1,2-Dichloropropane	ND	0.5	ug/L					
cis-1,3-Dichloropropylene	ND	0.5	ug/L					
trans-1,3-Dichloropropylene	ND	0.5	ug/L					
1,3-Dichloropropene, total	ND	0.5	ug/L					
Ethylbenzene	ND	0.5	ug/L					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L					
Hexane	ND	1.0	ug/L					
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L					
Methyl Isobutyl Ketone	ND	5.0	ug/L					
Methyl tert-butyl ether	ND	2.0	ug/L					
Methylene Chloride	ND	5.0	ug/L					
Styrene	ND	0.5	ug/L					
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L					
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L					
Tetrachloroethylene	ND	0.5	ug/L					
Toluene	ND	0.5	ug/L					
1,1,1-Trichloroethane	ND	0.5	ug/L					
1,1,2-Trichloroethane	ND	0.5	ug/L					
Trichloroethylene	ND	0.5	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Trichlorofluoromethane	ND	1.0	ug/L					
Vinyl chloride	ND	0.5	ug/L					
m,p-Xylenes	ND	0.5	ug/L					
o-Xylene	ND	0.5	ug/L					
Xylenes, total	ND	0.5	ug/L					
Surrogate: 4-Bromofluorobenzene	*78.8*		*%*	*98.4*	*50-140*			
Surrogate: Dibromofluoromethane	*55.3*		*%*	*69.1*	*50-140*			
Surrogate: Toluene-d8	*85.6*		*%*	*107*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
Volatiles									
Acetone	ND	5.0	ug/L	35.8			NC	30	
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	ND	0.5	ug/L	ND			NC	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	ND	0.5	ug/L	1.89			NC	30	
Dibromochloromethane	ND	0.5	ug/L	ND			NC	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND			NC	30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	*78.0*		*%*		*97.5*	*50-140*			
Surrogate: Dibromofluoromethane	*60.9*		*%*		*76.1*	*50-140*			
Surrogate: Toluene-d8	*85.3*		*%*		*107*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	2140	25	ug/L	ND	107	85-115			
F2 PHCs (C10-C16)	1430	100	ug/L	ND	89.2	60-140			
F3 PHCs (C16-C34)	3870	100	ug/L	ND	98.8	60-140			
F4 PHCs (C34-C50)	2380	100	ug/L	ND	95.8	60-140			
Semi-Volatiles									
Acenaphthene	4.25	0.05	ug/L	ND	85.0	50-140			
Acenaphthylene	4.18	0.05	ug/L	ND	83.7	50-140			
Anthracene	4.49	0.01	ug/L	ND	89.7	50-140			
Benzo [a] anthracene	4.97	0.01	ug/L	ND	99.5	50-140			
Benzo [a] pyrene	5.00	0.01	ug/L	ND	100	50-140			
Benzo [b] fluoranthene	5.00	0.05	ug/L	ND	100	50-140			
Benzo [g,h,i] perylene	3.97	0.05	ug/L	ND	79.5	50-140			
Benzo [k] fluoranthene	4.42	0.05	ug/L	ND	88.4	50-140			
Chrysene	5.07	0.05	ug/L	ND	101	50-140			
Dibenzo [a,h] anthracene	4.62	0.05	ug/L	ND	92.4	50-140			
Fluoranthene	5.53	0.01	ug/L	ND	111	50-140			
Fluorene	4.34	0.05	ug/L	ND	86.9	50-140			
Indeno [1,2,3-cd] pyrene	4.57	0.05	ug/L	ND	91.4	50-140			
1-Methylnaphthalene	4.07	0.05	ug/L	ND	81.3	50-140			
2-Methylnaphthalene	4.50	0.05	ug/L	ND	90.0	50-140			
Naphthalene	3.97	0.05	ug/L	ND	79.4	50-140			
Phenanthrene	4.58	0.05	ug/L	ND	91.7	50-140			
Pyrene	4.77	0.01	ug/L	ND	95.5	50-140			
Surrogate: 2-Fluorobiphenyl	*15.3*		*%*		*76.3*	*50-140*			
Surrogate: Terphenyl-d14	*16.5*		*%*		*82.4*	*50-140*			
Volatiles									
Acetone	81.7	5.0	ug/L	ND	81.7	50-140			
Benzene	42.4	0.5	ug/L	ND	106	60-130			
Bromodichloromethane	39.4	0.5	ug/L	ND	98.5	60-130			
Bromoform	44.3	0.5	ug/L	ND	111	60-130			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Bromomethane	45.4	0.5	ug/L	ND	114	50-140			
Carbon Tetrachloride	36.8	0.2	ug/L	ND	92.1	60-130			
Chlorobenzene	48.6	0.5	ug/L	ND	121	60-130			
Chloroform	38.8	0.5	ug/L	ND	97.1	60-130			
Dibromochloromethane	42.8	0.5	ug/L	ND	107	60-130			
Dichlorodifluoromethane	32.4	1.0	ug/L	ND	81.0	50-140			
1,2-Dichlorobenzene	45.4	0.5	ug/L	ND	113	60-130			
1,3-Dichlorobenzene	45.4	0.5	ug/L	ND	113	60-130			
1,4-Dichlorobenzene	45.6	0.5	ug/L	ND	114	60-130			
1,1-Dichloroethane	41.3	0.5	ug/L	ND	103	60-130			
1,2-Dichloroethane	38.5	0.5	ug/L	ND	96.3	60-130			
1,1-Dichloroethylene	49.2	0.5	ug/L	ND	123	60-130			
cis-1,2-Dichloroethylene	38.8	0.5	ug/L	ND	97.0	60-130			
trans-1,2-Dichloroethylene	43.6	0.5	ug/L	ND	109	60-130			
1,2-Dichloropropane	42.8	0.5	ug/L	ND	107	60-130			
cis-1,3-Dichloropropylene	39.8	0.5	ug/L	ND	99.5	60-130			
trans-1,3-Dichloropropylene	37.5	0.5	ug/L	ND	93.7	60-130			
Ethylbenzene	45.7	0.5	ug/L	ND	114	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	38.3	0.2	ug/L	ND	95.8	60-130			
Hexane	43.5	1.0	ug/L	ND	109	60-130			
Methyl Ethyl Ketone (2-Butanone)	129	5.0	ug/L	ND	129	50-140			
Methyl Isobutyl Ketone	100	5.0	ug/L	ND	100	50-140			
Methyl tert-butyl ether	107	2.0	ug/L	ND	107	50-140			
Methylene Chloride	49.0	5.0	ug/L	ND	123	60-130			
Styrene	40.1	0.5	ug/L	ND	100	60-130			
1,1,1,2-Tetrachloroethane	40.3	0.5	ug/L	ND	101	60-130			
1,1,2,2-Tetrachloroethane	39.0	0.5	ug/L	ND	97.4	60-130			
Tetrachloroethylene	48.2	0.5	ug/L	ND	120	60-130			
Toluene	48.6	0.5	ug/L	ND	122	60-130			
1,1,1-Trichloroethane	36.8	0.5	ug/L	ND	91.9	60-130			
1,1,2-Trichloroethane	41.3	0.5	ug/L	ND	103	60-130			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Trichloroethylene	43.6	0.5	ug/L	ND	109	60-130			
Trichlorofluoromethane	47.6	1.0	ug/L	ND	119	60-130			
Vinyl chloride	42.6	0.5	ug/L	ND	107	50-140			
m,p-Xylenes	92.4	0.5	ug/L	ND	116	60-130			
o-Xylene	44.5	0.5	ug/L	ND	111	60-130			
Surrogate: 4-Bromofluorobenzene	*75.1*		*%*		*93.9*	*50-140*			
Surrogate: Dibromofluoromethane	*74.7*		*%*		*93.3*	*50-140*			
Surrogate: Toluene-d8	*85.3*		*%*		*107*	*50-140*			

Qualifier Notes:

Sample Qualifiers :

1: Elevated reporting limits due to the nature of the sample matrix.

2: Some peaks quantified in the TPH(gas)/PHC(F1) were found to be non-petroleum hydrocarbon related - may be solvents or other volatile compounds. However, some petroleum hydrocarbon related peaks were observed. Results may be biased high.
Applies to Samples: MW25-05, MW14-1B, QC-01

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.

- F1 range corrected for BTEX.

- F2 to F3 ranges corrected for appropriate PAHs where available.

- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.

- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.

- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

PARACE LABORATORIES L

Paracel ID: 2525069

Paracel Order Number (Lab Use Only)	Chain of Custody (Lab Use Only)
2525069	№ 146992

Client Name: STANTEC	Project Ref: 122170424	Page 1 of 1
Contact Name: PHILIP RESENDES	Quote # 2524005	Turnaround Time
Address:	PO #	☐ 1 Day ☐ 3 Day
	E-mail:	☐ 2 day ☒ Regular
Telephone:		Date Required:

☒ REG 153/04 ☐ REG 406/19	Other Regulation
☐ Table 1 ☐ Agri/other ☐ Med/Fine	☐ REG 558 ☐ PWQO
☐ Table 2 ☐ Res/Park ☐ Coarse	☐ CCME ☐ MISA
☐ Table 3 ☐ Ind/Comm	☐ SU - Sani ☐ SU - Storm
Table 7	Mun:
For RSC: ☐ Yes ☐ No	☐ other:

Matrix Type: **S** (Soil/Sed.) **GW** (Ground Water) **SW** (Surface Water) **SS** (Storm/Sanitary Sewer) **P** (Paint) **A** (Air) **O** (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken: Date	Sample Taken: Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)				
1	MW25-05	GW		6	NA	6/16/25		X	X	X								
2	E3	GW		2	NA				X									
3	MW16-1	GW		2	NA				X									
4	MW14-1B	GW		6	NA			X	X	X								
5	MW14-1A	GW		2	NA				X									
6	MW25-04	GW		6	NA			X	X	X								
7	QC-01	GW		6	NA			X	X	X								
8	TRIPBLANK	W		2	NA	↓			X									
9																		
10																		

Comments:

Method of Delivery: Walk IN

Relinquished By (Sign):	Received at Depot:	Received at Lab: JM	Verified By: SD
Relinquished By (Print): TREVOR SAUNDERS	Date/Time:	Date/Time: June 16/25 1445	Date/Time: June 16, 2025 3:12 pm
Date/Time: 6/16/25 1445	Temperature °C	Temperature 16.9 °C	pH Verified: ☐ By:

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Certificate of Analysis

Stantec Consulting Ltd. (Ottawa)
1331 Clyde Avenue Suite 300
Ottawa, ON K2C 3G4
Attn: Philip Resendes

Client PO:
Project: 122170424.302
Custody: 146995

Report Date: 25-Jun-2025
Order Date: 17-Jun-2025

Order #: 2525246

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2525246-01	MW25-03
2525246-02	MW25-01
2525246-03	MW14-2
2525246-04	MW01-10
2525246-05	MW19-12A
2525246-06	MW19-12B
2525246-07	MW19-13A
2525246-08	MW19-13B
2525246-09	Trip Blank
2525246-10	Field Blank

Approved By:

Mark Foto

Mark Foto, M.Sc.
Laboratory Director

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
PHC F1	CWS Tier 1 - P&T GC-FID	18-Jun-25	19-Jun-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	19-Jun-25	19-Jun-25
REG 153: PAHs by GC-MS	EPA 625 - GC-MS, extraction	18-Jun-25	19-Jun-25
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	18-Jun-25	19-Jun-25

Certificate of Analysis

Report Date: 25-Jun-2025

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 17-Jun-2025

Client PO:

Project Description: 122170424.302

	Client ID:	MW25-03	MW25-01	MW14-2	MW01-10	-	-
	Sample Date:	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00		
	Sample ID:	2525246-01	2525246-02	2525246-03	2525246-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	24.9	<5.0	-	-
Benzene	0.5 ug/L	0.9	1.5	0.9	3.8	-	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	4.3	-	-
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethylene	0.5 ug/L	<0.5	1.8	0.9	34.8	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	3940	1240	62200	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	2.3	9.6	2.3	272	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Ethylbenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 25-Jun-2025

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 17-Jun-2025

Client PO:

Project Description: 122170424.302

	Client ID:	MW25-03	MW25-01	MW14-2	MW01-10	-	-
	Sample Date:	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00		
	Sample ID:	2525246-01	2525246-02	2525246-03	2525246-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	8.1	<5.0	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	-	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	4.5	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Tetrachloroethylene	0.5 ug/L	118	1600	8.4	109000	-	-
Toluene	0.5 ug/L	<0.5	<0.5	<0.5	114	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Trichloroethylene	0.5 ug/L	44.6	872	5.6	53700	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
Vinyl chloride	0.5 ug/L	51.6	670	<0.5	4160	-	-
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
o-Xylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Xylenes, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dibromofluoromethane	Surrogate	104%	108%	108%	111%	-	-
Toluene-d8	Surrogate	119%	106%	105%	87.3%	-	-
4-Bromofluorobenzene	Surrogate	99.4%	103%	106%	108%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	71 [6]	-	-	38100 [6]	-	-
F2 PHCs (C10-C16)	100 ug/L	<100	-	-	622000 [3] [4]	-	-
F3 PHCs (C16-C34)	100 ug/L	<100	-	-	498000 [3] [4]	-	-
F4 PHCs (C34-C50)	100 ug/L	<100	-	-	235000 [3] [4]	-	-

	Client ID:	MW25-03	MW25-01	MW14-2	MW01-10	-	-
	Sample Date:	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00		
	Sample ID:	2525246-01	2525246-02	2525246-03	2525246-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Semi-Volatiles							
Acenaphthene	0.05 ug/L	<0.05	-	-	<25.0 [1]	-	-
Acenaphthylene	0.05 ug/L	<0.05	-	-	<25.0 [1]	-	-
Anthracene	0.01 ug/L	<0.01	-	-	20.2	-	-
Benzo [a] anthracene	0.01 ug/L	<0.01	-	-	53.9	-	-
Benzo [a] pyrene	0.01 ug/L	<0.01	-	-	41.6	-	-
Benzo [b] fluoranthene	0.05 ug/L	<0.05	-	-	65.7	-	-
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	-	-	<25.0 [1]	-	-
Benzo [k] fluoranthene	0.05 ug/L	<0.05	-	-	27.2	-	-
Chrysene	0.05 ug/L	<0.05	-	-	82.4	-	-
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	-	-	<25.0 [1]	-	-
Fluoranthene	0.01 ug/L	<0.01	-	-	165	-	-
Fluorene	0.05 ug/L	<0.05	-	-	32.3	-	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	-	-	35.7	-	-
1-Methylnaphthalene	0.05 ug/L	<0.05	-	-	195	-	-
2-Methylnaphthalene	0.05 ug/L	<0.05	-	-	330	-	-
Methylnaphthalene (1&2)	0.10 ug/L	<0.10	-	-	524	-	-
Naphthalene	0.05 ug/L	<0.05	-	-	<25.0 [1]	-	-
Phenanthrene	0.05 ug/L	<0.05	-	-	234	-	-
Pyrene	0.01 ug/L	<0.01	-	-	118	-	-
2-Fluorobiphenyl	Surrogate	67.7%	-	-	-	-	-
Terphenyl-d14	Surrogate	74.8%	-	-	-	-	-

	Client ID:	MW19-12A	MW19-12B	MW19-13A	MW19-13B	-	-
	Sample Date:	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00		
	Sample ID:	2525246-05	2525246-06	2525246-07	2525246-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Benzene	0.5 ug/L	12.2	17.6	12.7	67.8	-	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethylene	0.5 ug/L	6.1	7.6	1.8	45.3	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	13500	7990	6780	50500	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	343	224	331	863	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Ethylbenzene	0.5 ug/L	5.5	8.4	<0.5	57.9	-	-
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 25-Jun-2025

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 17-Jun-2025

Client PO:

Project Description: 122170424.302

	Client ID:	MW19-12A	MW19-12B	MW19-13A	MW19-13B	-	-
	Sample Date:	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00		
	Sample ID:	2525246-05	2525246-06	2525246-07	2525246-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	-	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Tetrachloroethylene	0.5 ug/L	995	712	389	276	-	-
Toluene	0.5 ug/L	<0.5	<0.5	1.0	<0.5	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Trichloroethylene	0.5 ug/L	154	107	120	63.0	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
Vinyl chloride	0.5 ug/L	3950	6870	2380	6880	-	-
m,p-Xylenes	0.5 ug/L	12.2	12.6	1.6	45.6	-	-
o-Xylene	0.5 ug/L	6.3	6.1	0.7	19.6	-	-
Xylenes, total	0.5 ug/L	18.4	18.7	2.3	65.2	-	-
4-Bromofluorobenzene	Surrogate	101%	107%	108%	111%	-	-
Dibromofluoromethane	Surrogate	133%	128%	126%	123%	-	-
Toluene-d8	Surrogate	26.1% [5]	103%	101%	102%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	-	1970 [6]	-	-	-	-
F2 PHCs (C10-C16)	100 ug/L	-	2080 [3]	-	-	-	-
F3 PHCs (C16-C34)	100 ug/L	-	3000 [3]	-	-	-	-
F4 PHCs (C34-C50)	100 ug/L	-	2220 [3]	-	-	-	-

	Client ID:	MW19-12A	MW19-12B	MW19-13A	MW19-13B	-	-
	Sample Date:	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00	17-Jun-25 09:00		
	Sample ID:	2525246-05	2525246-06	2525246-07	2525246-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Semi-Volatiles							
Acenaphthene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
Acenaphthylene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
Anthracene	0.01 ug/L	-	0.23	-	-	-	-
Benzo [a] anthracene	0.01 ug/L	-	0.37	-	-	-	-
Benzo [a] pyrene	0.01 ug/L	-	0.33	-	-	-	-
Benzo [b] fluoranthene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
Benzo [g,h,i] perylene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
Benzo [k] fluoranthene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
Chrysene	0.05 ug/L	-	0.82	-	-	-	-
Dibenzo [a,h] anthracene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
Fluoranthene	0.01 ug/L	-	0.95	-	-	-	-
Fluorene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
1-Methylnaphthalene	0.05 ug/L	-	1.12	-	-	-	-
2-Methylnaphthalene	0.05 ug/L	-	0.56	-	-	-	-
Methylnaphthalene (1&2)	0.10 ug/L	-	1.68	-	-	-	-
Naphthalene	0.05 ug/L	-	<0.50 [1]	-	-	-	-
Phenanthrene	0.05 ug/L	-	2.01	-	-	-	-
Pyrene	0.01 ug/L	-	0.71	-	-	-	-
2-Fluorobiphenyl	Surrogate	-	46.6% [5]	-	-	-	-
Terphenyl-d14	Surrogate	-	54.0%	-	-	-	-

	Client ID:	Trip Blank	Field Blank			-	-
	Sample Date:	12-Jun-25 09:00	17-Jun-25 09:00				
	Sample ID:	2525246-09	2525246-10				
	Matrix:	Ground Water	Ground Water				
	MDL/Units						
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	-	-	-	-
Benzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Bromoform	0.5 ug/L	<0.5	<0.5	-	-	-	-
Bromomethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	-	-	-	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Chloroform	0.5 ug/L	<0.5	<0.5	-	-	-	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	-	-	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	-	-	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	-	-	-	-
Ethylbenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	-	-	-	-
Hexane	1.0 ug/L	<1.0	<1.0	-	-	-	-

	Client ID:	Trip Blank	Field Blank			-	-
	Sample Date:	12-Jun-25 09:00	17-Jun-25 09:00				
	Sample ID:	2525246-09	2525246-10				
	Matrix:	Ground Water	Ground Water				
	MDL/Units						
Volatiles							
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	-	-	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	-	-	-	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	-	-	-	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	-	-	-	-
Styrene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Tetrachloroethylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Toluene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Trichloroethylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	-	-	-	-
Vinyl chloride	0.5 ug/L	<0.5	<0.5	-	-	-	-
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	-	-	-	-
o-Xylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Xylenes, total	0.5 ug/L	<0.5	<0.5	-	-	-	-
4-Bromofluorobenzene	Surrogate	103%	104%	-	-	-	-
Dibromofluoromethane	Surrogate	79.8%	83.5%	-	-	-	-
Toluene-d8	Surrogate	105%	105%	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons								
F1 PHCs (C6-C10)	ND	25	ug/L					
F2 PHCs (C10-C16)	ND	100	ug/L					
F3 PHCs (C16-C34)	ND	100	ug/L					
F4 PHCs (C34-C50)	ND	100	ug/L					
Semi-Volatiles								
Acenaphthene	ND	0.05	ug/L					
Acenaphthylene	ND	0.05	ug/L					
Anthracene	ND	0.01	ug/L					
Benzo [a] anthracene	ND	0.01	ug/L					
Benzo [a] pyrene	ND	0.01	ug/L					
Benzo [b] fluoranthene	ND	0.05	ug/L					
Benzo [g,h,i] perylene	ND	0.05	ug/L					
Benzo [k] fluoranthene	ND	0.05	ug/L					
Chrysene	ND	0.05	ug/L					
Dibenzo [a,h] anthracene	ND	0.05	ug/L					
Fluoranthene	ND	0.01	ug/L					
Fluorene	ND	0.05	ug/L					
Indeno [1,2,3-cd] pyrene	ND	0.05	ug/L					
1-Methylnaphthalene	ND	0.05	ug/L					
2-Methylnaphthalene	ND	0.05	ug/L					
Methylnaphthalene (1&2)	ND	0.10	ug/L					
Naphthalene	ND	0.05	ug/L					
Phenanthrene	ND	0.05	ug/L					
Pyrene	ND	0.01	ug/L					
Surrogate: 2-Fluorobiphenyl	*14.6*		*%*	*73.0*	*50-140*			
Surrogate: Terphenyl-d14	*15.4*		*%*	*77.2*	*50-140*			
Volatiles								
Acetone	ND	5.0	ug/L					
Benzene	ND	0.5	ug/L					
Bromodichloromethane	ND	0.5	ug/L					
Bromoform	ND	0.5	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Bromomethane	ND	0.5	ug/L					
Carbon Tetrachloride	ND	0.2	ug/L					
Chlorobenzene	ND	0.5	ug/L					
Chloroform	ND	0.5	ug/L					
Dibromochloromethane	ND	0.5	ug/L					
Dichlorodifluoromethane	ND	1.0	ug/L					
1,2-Dichlorobenzene	ND	0.5	ug/L					
1,3-Dichlorobenzene	ND	0.5	ug/L					
1,4-Dichlorobenzene	ND	0.5	ug/L					
1,1-Dichloroethane	ND	0.5	ug/L					
1,2-Dichloroethane	ND	0.5	ug/L					
1,1-Dichloroethylene	ND	0.5	ug/L					
cis-1,2-Dichloroethylene	ND	0.5	ug/L					
trans-1,2-Dichloroethylene	ND	0.5	ug/L					
1,2-Dichloropropane	ND	0.5	ug/L					
cis-1,3-Dichloropropylene	ND	0.5	ug/L					
trans-1,3-Dichloropropylene	ND	0.5	ug/L					
1,3-Dichloropropene, total	ND	0.5	ug/L					
Ethylbenzene	ND	0.5	ug/L					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L					
Hexane	ND	1.0	ug/L					
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L					
Methyl Isobutyl Ketone	ND	5.0	ug/L					
Methyl tert-butyl ether	ND	2.0	ug/L					
Styrene	ND	0.5	ug/L					
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L					
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L					
Tetrachloroethylene	ND	0.5	ug/L					
Toluene	ND	0.5	ug/L					
1,1,1-Trichloroethane	ND	0.5	ug/L					
1,1,2-Trichloroethane	ND	0.5	ug/L					
Trichloroethylene	ND	0.5	ug/L					
Trichlorofluoromethane	ND	1.0	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Vinyl chloride	ND	0.5	ug/L					
m,p-Xylenes	ND	0.5	ug/L					
o-Xylene	ND	0.5	ug/L					
Xylenes, total	ND	0.5	ug/L					
Surrogate: 4-Bromofluorobenzene	*80.1*		*%*	*100*	*50-140*			
Surrogate: Dibromofluoromethane	*74.5*		*%*	*93.1*	*50-140*			
Surrogate: Toluene-d8	*84.4*		*%*	*106*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
Volatiles									
Acetone	ND	5.0	ug/L	ND			NC	30	
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	ND	0.5	ug/L	ND			NC	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	ND	0.5	ug/L	ND			NC	30	
Dibromochloromethane	ND	0.5	ug/L	ND			NC	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND			NC	30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	*80.8*		*%*		*101*	*50-140*			
Surrogate: Dibromofluoromethane	*69.4*		*%*		*86.7*	*50-140*			
Surrogate: Toluene-d8	*84.3*		*%*		*105*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	2060	25	ug/L	ND	103	85-115			
F2 PHCs (C10-C16)	1430	100	ug/L	ND	89.2	60-140			
F3 PHCs (C16-C34)	3870	100	ug/L	ND	98.8	60-140			
F4 PHCs (C34-C50)	2380	100	ug/L	ND	95.8	60-140			
Semi-Volatiles									
Acenaphthene	4.25	0.05	ug/L	ND	85.0	50-140			
Acenaphthylene	4.18	0.05	ug/L	ND	83.7	50-140			
Anthracene	4.49	0.01	ug/L	ND	89.7	50-140			
Benzo [a] anthracene	4.97	0.01	ug/L	ND	99.5	50-140			
Benzo [a] pyrene	5.00	0.01	ug/L	ND	100	50-140			
Benzo [b] fluoranthene	5.00	0.05	ug/L	ND	100	50-140			
Benzo [g,h,i] perylene	3.97	0.05	ug/L	ND	79.5	50-140			
Benzo [k] fluoranthene	4.42	0.05	ug/L	ND	88.4	50-140			
Chrysene	5.07	0.05	ug/L	ND	101	50-140			
Dibenzo [a,h] anthracene	4.62	0.05	ug/L	ND	92.4	50-140			
Fluoranthene	5.53	0.01	ug/L	ND	111	50-140			
Fluorene	4.34	0.05	ug/L	ND	86.9	50-140			
Indeno [1,2,3-cd] pyrene	4.57	0.05	ug/L	ND	91.4	50-140			
1-Methylnaphthalene	4.07	0.05	ug/L	ND	81.3	50-140			
2-Methylnaphthalene	4.50	0.05	ug/L	ND	90.0	50-140			
Naphthalene	3.97	0.05	ug/L	ND	79.4	50-140			
Phenanthrene	4.58	0.05	ug/L	ND	91.7	50-140			
Pyrene	4.77	0.01	ug/L	ND	95.5	50-140			
Surrogate: 2-Fluorobiphenyl	*15.3*		*%*		*76.3*	*50-140*			
Surrogate: Terphenyl-d14	*16.5*		*%*		*82.4*	*50-140*			
Volatiles									
Acetone	115	5.0	ug/L	ND	115	50-140			
Benzene	46.3	0.5	ug/L	ND	116	60-130			
Bromodichloromethane	49.6	0.5	ug/L	ND	124	60-130			
Bromoform	48.7	0.5	ug/L	ND	122	60-130			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Bromomethane	42.8	0.5	ug/L	ND	107	50-140			
Carbon Tetrachloride	48.8	0.2	ug/L	ND	122	60-130			
Chlorobenzene	47.5	0.5	ug/L	ND	119	60-130			
Chloroform	47.2	0.5	ug/L	ND	118	60-130			
Dibromochloromethane	49.5	0.5	ug/L	ND	124	60-130			
Dichlorodifluoromethane	25.3	1.0	ug/L	ND	63.2	50-140			
1,2-Dichlorobenzene	49.2	0.5	ug/L	ND	123	60-130			
1,3-Dichlorobenzene	48.3	0.5	ug/L	ND	121	60-130			
1,4-Dichlorobenzene	47.4	0.5	ug/L	ND	118	60-130			
1,1-Dichloroethane	45.6	0.5	ug/L	ND	114	60-130			
1,2-Dichloroethane	45.8	0.5	ug/L	ND	115	60-130			
1,1-Dichloroethylene	48.5	0.5	ug/L	ND	121	60-130			
cis-1,2-Dichloroethylene	46.8	0.5	ug/L	ND	117	60-130			
trans-1,2-Dichloroethylene	49.1	0.5	ug/L	ND	123	60-130			
1,2-Dichloropropane	48.2	0.5	ug/L	ND	120	60-130			
cis-1,3-Dichloropropylene	49.3	0.5	ug/L	ND	123	60-130			
trans-1,3-Dichloropropylene	48.8	0.5	ug/L	ND	122	60-130			
Ethylbenzene	47.4	0.5	ug/L	ND	119	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	49.0	0.2	ug/L	ND	123	60-130			
Hexane	48.9	1.0	ug/L	ND	122	60-130			
Methyl Ethyl Ketone (2-Butanone)	139	5.0	ug/L	ND	139	50-140			
Methyl Isobutyl Ketone	126	5.0	ug/L	ND	126	50-140			
Methyl tert-butyl ether	118	2.0	ug/L	ND	118	50-140			
Methylene Chloride	48.0	5.0	ug/L	ND	120	60-130			
Styrene	48.3	0.5	ug/L	ND	121	60-130			
1,1,1,2-Tetrachloroethane	48.3	0.5	ug/L	ND	121	60-130			
1,1,2,2-Tetrachloroethane	49.2	0.5	ug/L	ND	123	60-130			
Tetrachloroethylene	45.8	0.5	ug/L	ND	114	60-130			
Toluene	47.5	0.5	ug/L	ND	119	60-130			
1,1,1-Trichloroethane	45.6	0.5	ug/L	ND	114	60-130			
1,1,2-Trichloroethane	45.6	0.5	ug/L	ND	114	60-130			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Trichloroethylene	46.8	0.5	ug/L	ND	117	60-130			
Trichlorofluoromethane	49.6	1.0	ug/L	ND	124	60-130			
Vinyl chloride	40.1	0.5	ug/L	ND	100	50-140			
m,p-Xylenes	93.8	0.5	ug/L	ND	117	60-130			
o-Xylene	46.7	0.5	ug/L	ND	117	60-130			
Surrogate: 4-Bromofluorobenzene	*77.8*		*%*		*97.2*	*50-140*			
Surrogate: Dibromofluoromethane	*87.0*		*%*		*109*	*50-140*			
Surrogate: Toluene-d8	*84.0*		*%*		*105*	*50-140*			

Qualifier Notes:

Login Qualifiers :

Sample - Received with >5% sediment, directed by client to decant and analyze without sediment

Applies to Samples: MW01-10

Sample Qualifiers :

1: Elevated reporting limits due to the nature of the sample matrix.

3: A surface sheen was observed in the sample container.

Applies to Samples: MW01-10, MW19-12B

4: Sample decanted prior to analysis due to sediments.

Applies to Samples: MW01-10

5: The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

Applies to Samples: MW19-12A, MW19-12B

6: Some peaks quantified in the TPH(gas)/PHC(F1) were found to be non-petroleum hydrocarbon related - may be solvents or other volatile compounds. However, some petroleum hydrocarbon related peaks were observed. Results may be biased high.

Applies to Samples: MW25-03, MW01-10, MW19-12B

Sample Data Revisions:

None

Certificate of Analysis

Report Date: 25-Jun-2025

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 17-Jun-2025

Client PO:

Project Description: 122170424.302

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.

- F1 range corrected for BTEX.

- F2 to F3 ranges corrected for appropriate PAHs where available.

- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.

- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.

- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

PARAC LABORATORIES

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Paracel Order Number (Lab Use Only): 2525246

Chain of Custody (Lab Use Only) № 146995

Client Name: STANTEC
Contact Name: PHILIP RESENDES
Address:
Telephone:

Project Ref: 122170424.302
Quote # 2524005
PO #
E-mail:

Page 1 of 1

Turnaround Time
☐ 1 Day ☐ 3 Day
☐ 2 day ☒ Regular
Date Required:

☒ REG 153/04 ☐ REG 406/19

☐ Table 1 ☐ Agri/other ☐ Med/Fine
☐ Table 2 ☐ Res/Park ☐ Coarse
☐ Table 3 ☐ Ind/Comm
Table 7
For RSC: ☐ Yes ☐ No

Other Regulation
☐ REG 558 ☐ PWQO
☐ CCME ☐ MISA
☐ SU - Sani ☐ SU - Storm
Mun:
☐ other:

Matrix Type: **S** (Soil/Sed.) **GW** (Ground Water) **SW** (Surface Water) **SS** (Storm/Sanitary Sewer) **P** (Paint) **A** (Air) **O** (Other)

Required Analysis

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken: Date	Sample Taken: Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)				
1	MW25-03	GW		6	/	6/17/25		X	X	X								
2	MW25-01	GW		2	/				X									
3	MW14-2	GW		2	/				X									
4	MW01-10	GW		6	/			X	X	X								
5	MW19-12A	GW		2	/				X									
6	MW19-12B	GW		6	/			X	X	X								
7	MW19-13A	GW		2	/				X									
8	MW19-13B	GW		2	/				X									
9	TRIP BLANK Jun18	W		2	/				X									
10	FIELD BLANK	W		2	/				X									

Comments:

Method of Delivery: Walk IN

Relinquished By (Sign):	Received at Depot:	Received at Lab: JM	Verified By:
Relinquished By (Print): TREVOR SAUNDERS	Date/Time:	Date/Time: June 17/25 1540	Date/Time: Jun 18 /935
Date/Time: 6/17/25	Temperature °C	Temperature 17.9 °C	pH Verified: ☐ By: NA

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Certificate of Analysis

Stantec Consulting Ltd. (Ottawa)
1331 Clyde Avenue Suite 300
Ottawa, ON K2C 3G4
Attn: Philip Resendes

Client PO:
Project: 122170424.302
Custody: 146993

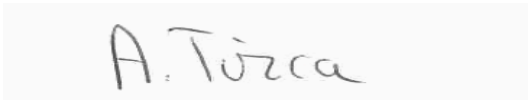
Report Date: 26-Jun-2025
Order Date: 19-Jun-2025

Order #: 2525382

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2525382-01	MW25-02
2525382-02	BH1
2525382-03	MW08-34
2525382-04	MW08-33A
2525382-05	MW08-32A
2525382-06	MW08-31A
2525382-07	MW00-4
2525382-08	MW05-4
2525382-09	MW05-4A
2525382-10	QC-02

Approved By:



Adriana Tirca, B.Eng (Chem)
Supervisor

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Chromium, hexavalent - water	MOE E3056 - colourimetric	20-Jun-25	20-Jun-25
Mercury by CVAA	EPA 245.2 - Cold Vapour AA	23-Jun-25	23-Jun-25
Metals, ICP-MS	EPA 200.8 - ICP-MS	20-Jun-25	24-Jun-25
PHC F1	CWS Tier 1 - P&T GC-FID	24-Jun-25	24-Jun-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	23-Jun-25	25-Jun-25
REG 153: PAHs by GC-MS	EPA 625 - GC-MS, extraction	24-Jun-25	24-Jun-25
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	24-Jun-25	24-Jun-25

	Client ID:	MW25-02	BH1	MW08-34	MW08-33A	-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00		
	Sample ID:	2525382-01	2525382-02	2525382-03	2525382-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Metals							
Mercury	0.1 ug/L	<0.1	-	-	-	-	-
Antimony	0.5 ug/L	<0.5	-	-	-	-	-
Arsenic	1 ug/L	<1	-	-	-	-	-
Barium	1 ug/L	189	-	-	-	-	-
Beryllium	0.5 ug/L	<0.5	-	-	-	-	-
Boron	10 ug/L	76	-	-	-	-	-
Cadmium	0.1 ug/L	<0.1	-	-	-	-	-
Chromium	1 ug/L	<1	-	-	-	-	-
Chromium (VI)	10 ug/L	<10	-	-	-	-	-
Cobalt	0.5 ug/L	1.4	-	-	-	-	-
Copper	0.5 ug/L	1.9	-	-	-	-	-
Lead	0.1 ug/L	<0.1	-	-	-	-	-
Molybdenum	0.5 ug/L	3.0	-	-	-	-	-
Nickel	1 ug/L	3	-	-	-	-	-
Selenium	1 ug/L	<1	-	-	-	-	-
Silver	0.1 ug/L	<0.1	-	-	-	-	-
Sodium	200 ug/L	468000	-	-	-	-	-
Thallium	0.1 ug/L	0.2	-	-	-	-	-
Uranium	0.1 ug/L	0.6	-	-	-	-	-
Vanadium	0.5 ug/L	<0.5	-	-	-	-	-
Zinc	5 ug/L	7	-	-	-	-	-
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Benzene	0.5 ug/L	<0.5	<0.5	2.3	1980	-	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-

	Client ID:	MW25-02	BH1	MW08-34	MW08-33A	-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00		
	Sample ID:	2525382-01	2525382-02	2525382-03	2525382-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	0.6	-	-
Chloroform	0.5 ug/L	0.7	<0.5	<0.5	<0.5	-	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	2.2	151	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	114	<0.5	4920	78800	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	1.3	<0.5	32.3	592	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Ethylbenzene	0.5 ug/L	<0.5	<0.5	0.9	33.9	-	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	-	-

Certificate of Analysis

Report Date: 26-Jun-2025

Client: **Stantec Consulting Ltd. (Ottawa)**

Order Date: 19-Jun-2025

Client PO:

Project Description: 122170424.302

	Client ID:	MW25-02	BH1	MW08-34	MW08-33A	-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00		
	Sample ID:	2525382-01	2525382-02	2525382-03	2525382-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Tetrachloroethylene	0.5 ug/L	11.6	0.6	2.0	18700	-	-
Toluene	0.5 ug/L	0.6	<0.5	4.4	1520	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Trichloroethylene	0.5 ug/L	13.4	<0.5	19.7	25700	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
Vinyl chloride	0.5 ug/L	4.1	<0.5	1060	4590	-	-
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	<0.5	56.2	-	-
o-Xylene	0.5 ug/L	<0.5	<0.5	<0.5	71.9	-	-
Xylenes, total	0.5 ug/L	<0.5	<0.5	<0.5	128	-	-
Toluene-d8	Surrogate	102%	102%	104%	104%	-	-
4-Bromofluorobenzene	Surrogate	117%	116%	118%	115%	-	-
Dibromofluoromethane	Surrogate	115%	118%	119%	104%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	81	-	-	-	-	-
F2 PHCs (C10-C16)	100 ug/L	<100	-	-	-	-	-
F3 PHCs (C16-C34)	100 ug/L	<100	-	-	-	-	-
F4 PHCs (C34-C50)	100 ug/L	<100	-	-	-	-	-
Semi-Volatiles							
Acenaphthene	0.05 ug/L	<0.05	-	-	-	-	-
Acenaphthylene	0.05 ug/L	<0.05	-	-	-	-	-

	Client ID:	MW25-02	BH1	MW08-34	MW08-33A	-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00		
	Sample ID:	2525382-01	2525382-02	2525382-03	2525382-04		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Semi-Volatiles							
Anthracene	0.01 ug/L	0.02	-	-	-	-	-
Benzo [a] anthracene	0.01 ug/L	0.03	-	-	-	-	-
Benzo [a] pyrene	0.01 ug/L	0.02	-	-	-	-	-
Benzo [b] fluoranthene	0.05 ug/L	<0.05	-	-	-	-	-
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	-	-	-	-	-
Benzo [k] fluoranthene	0.05 ug/L	<0.05	-	-	-	-	-
Chrysene	0.05 ug/L	<0.05	-	-	-	-	-
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	-	-	-	-	-
Fluoranthene	0.01 ug/L	0.09	-	-	-	-	-
Fluorene	0.05 ug/L	<0.05	-	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	-	-	-	-	-
1-Methylnaphthalene	0.05 ug/L	<0.05	-	-	-	-	-
2-Methylnaphthalene	0.05 ug/L	<0.05	-	-	-	-	-
Methylnaphthalene (1&2)	0.10 ug/L	<0.10	-	-	-	-	-
Naphthalene	0.05 ug/L	<0.05	-	-	-	-	-
Phenanthrene	0.05 ug/L	0.09	-	-	-	-	-
Pyrene	0.01 ug/L	0.06	-	-	-	-	-
2-Fluorobiphenyl	Surrogate	70.3%	-	-	-	-	-
Terphenyl-d14	Surrogate	80.8%	-	-	-	-	-

	Client ID:	MW08-32A	MW08-31A	MW00-4	MW05-4	-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00		
	Sample ID:	2525382-05	2525382-06	2525382-07	2525382-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Benzene	0.5 ug/L	44.5	1040	6.2	1.0	-	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1-Dichloroethylene	0.5 ug/L	50.3	13.4	<0.5	1.2	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	78900	12100	87.5	5710	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	570	119	3.9	29.4	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Ethylbenzene	0.5 ug/L	36.7	2.5	<0.5	<0.5	-	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	<0.2	<0.2	-	-
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-

	Client ID:	MW08-32A	MW08-31A	MW00-4	MW05-4	-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00		
	Sample ID:	2525382-05	2525382-06	2525382-07	2525382-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Volatiles							
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0	-	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0	-	-
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Tetrachloroethylene	0.5 ug/L	67.6	<0.5	<0.5	9.1	-	-
Toluene	0.5 ug/L	79.2	101	1.1	0.8	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5	-	-
Trichloroethylene	0.5 ug/L	148	<0.5	<0.5	13.2	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0	-	-
Vinyl chloride	0.5 ug/L	4190	2210	97.3	8.5	-	-
m,p-Xylenes	0.5 ug/L	20.0	1.7	<0.5	<0.5	-	-
o-Xylene	0.5 ug/L	4.8	<0.5	<0.5	<0.5	-	-
Xylenes, total	0.5 ug/L	24.8	1.7	<0.5	<0.5	-	-
Toluene-d8	Surrogate	106%	107%	105%	106%	-	-
Dibromofluoromethane	Surrogate	107%	112%	115%	115%	-	-
4-Bromofluorobenzene	Surrogate	120%	122%	117%	118%	-	-
Hydrocarbons							
F1 PHCs (C6-C10)	25 ug/L	14000	-	-	-	-	-
F2 PHCs (C10-C16)	100 ug/L	897	-	-	-	-	-
F3 PHCs (C16-C34)	100 ug/L	1450	-	-	-	-	-
F4 PHCs (C34-C50)	100 ug/L	442	-	-	-	-	-

	Client ID:	MW08-32A	MW08-31A	MW00-4	MW05-4	-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00	18-Jun-25 09:00		
	Sample ID:	2525382-05	2525382-06	2525382-07	2525382-08		
	Matrix:	Ground Water	Ground Water	Ground Water	Ground Water		
	MDL/Units						
Semi-Volatiles							
Acenaphthene	0.05 ug/L	<0.05	-	-	-	-	-
Acenaphthylene	0.05 ug/L	<0.05	-	-	-	-	-
Anthracene	0.01 ug/L	<0.01	-	-	-	-	-
Benzo [a] anthracene	0.01 ug/L	<0.01	-	-	-	-	-
Benzo [a] pyrene	0.01 ug/L	<0.01	-	-	-	-	-
Benzo [b] fluoranthene	0.05 ug/L	<0.05	-	-	-	-	-
Benzo [g,h,i] perylene	0.05 ug/L	<0.05	-	-	-	-	-
Benzo [k] fluoranthene	0.05 ug/L	<0.05	-	-	-	-	-
Chrysene	0.05 ug/L	<0.05	-	-	-	-	-
Dibenzo [a,h] anthracene	0.05 ug/L	<0.05	-	-	-	-	-
Fluoranthene	0.01 ug/L	0.02	-	-	-	-	-
Fluorene	0.05 ug/L	<0.05	-	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.05 ug/L	<0.05	-	-	-	-	-
1-Methylnaphthalene	0.05 ug/L	<0.05	-	-	-	-	-
2-Methylnaphthalene	0.05 ug/L	<0.05	-	-	-	-	-
Methylnaphthalene (1&2)	0.10 ug/L	<0.10	-	-	-	-	-
Naphthalene	0.05 ug/L	<0.05	-	-	-	-	-
Phenanthrene	0.05 ug/L	<0.05	-	-	-	-	-
Pyrene	0.01 ug/L	0.02	-	-	-	-	-
2-Fluorobiphenyl	Surrogate	59.3%	-	-	-	-	-
Terphenyl-d14	Surrogate	70.6%	-	-	-	-	-

	Client ID:	MW05-4A	QC-02			-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00				
	Sample ID:	2525382-09	2525382-10				
	Matrix:	Ground Water	Ground Water				
	MDL/Units						
Volatiles							
Acetone	5.0 ug/L	<5.0	<5.0	-	-	-	-
Benzene	0.5 ug/L	1.5	1400	-	-	-	-
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Bromoform	0.5 ug/L	<0.5	<0.5	-	-	-	-
Bromomethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	-	-	-	-
Chlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
Chloroform	0.5 ug/L	<0.5	<0.5	-	-	-	-
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	-	-	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	190	-	-	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1-Dichloroethylene	0.5 ug/L	1.8	<0.5	-	-	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	1130	69400	-	-	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	7.2	512	-	-	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	-	-	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	-	-	-	-
Ethylene dibromide (dibromoethane,	0.2 ug/L	<0.2	<0.2	-	-	-	-
Ethylbenzene	0.5 ug/L	<0.5	31.5	-	-	-	-
Hexane	1.0 ug/L	<1.0	<1.0	-	-	-	-

	Client ID:	MW05-4A	QC-02			-	-
	Sample Date:	18-Jun-25 09:00	18-Jun-25 09:00				
	Sample ID:	2525382-09	2525382-10				
	Matrix:	Ground Water	Ground Water				
	MDL/Units						
Volatiles							
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	-	-	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	-	-	-	-
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	-	-	-	-
Methylene Chloride	5.0 ug/L	<5.0	<5.0	-	-	-	-
Styrene	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Tetrachloroethylene	0.5 ug/L	9.9	20000	-	-	-	-
Toluene	0.5 ug/L	0.6	1120	-	-	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	-	-	-	-
Trichloroethylene	0.5 ug/L	168	23100	-	-	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	-	-	-	-
Vinyl chloride	0.5 ug/L	161	4930	-	-	-	-
m,p-Xylenes	0.5 ug/L	<0.5	85.8	-	-	-	-
o-Xylene	0.5 ug/L	<0.5	59.8	-	-	-	-
Xylenes, total	0.5 ug/L	<0.5	146	-	-	-	-
Toluene-d8	Surrogate	105%	103%	-	-	-	-
4-Bromofluorobenzene	Surrogate	119%	116%	-	-	-	-
Dibromofluoromethane	Surrogate	119%	1.8% [1]	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons								
F1 PHCs (C6-C10)	ND	25	ug/L					
F2 PHCs (C10-C16)	ND	100	ug/L					
F3 PHCs (C16-C34)	ND	100	ug/L					
F4 PHCs (C34-C50)	ND	100	ug/L					
Metals								
Mercury	ND	0.1	ug/L					
Antimony	ND	0.5	ug/L					
Arsenic	ND	1	ug/L					
Barium	ND	1	ug/L					
Beryllium	ND	0.5	ug/L					
Boron	ND	10	ug/L					
Cadmium	ND	0.1	ug/L					
Chromium (VI)	ND	10	ug/L					
Chromium	ND	1	ug/L					
Cobalt	ND	0.5	ug/L					
Copper	ND	0.5	ug/L					
Lead	ND	0.1	ug/L					
Molybdenum	ND	0.5	ug/L					
Nickel	ND	1	ug/L					
Selenium	ND	1	ug/L					
Silver	ND	0.1	ug/L					
Sodium	ND	200	ug/L					
Thallium	ND	0.1	ug/L					
Uranium	ND	0.1	ug/L					
Vanadium	ND	0.5	ug/L					
Zinc	ND	5	ug/L					
Semi-Volatiles								
Acenaphthene	ND	0.05	ug/L					
Acenaphthylene	ND	0.05	ug/L					
Anthracene	ND	0.01	ug/L					
Benzo [a] anthracene	ND	0.01	ug/L					
Benzo [a] pyrene	ND	0.01	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [b] fluoranthene	ND	0.05	ug/L					
Benzo [g,h,i] perylene	ND	0.05	ug/L					
Benzo [k] fluoranthene	ND	0.05	ug/L					
Chrysene	ND	0.05	ug/L					
Dibenzo [a,h] anthracene	ND	0.05	ug/L					
Fluoranthene	ND	0.01	ug/L					
Fluorene	ND	0.05	ug/L					
Indeno [1,2,3-cd] pyrene	ND	0.05	ug/L					
1-Methylnaphthalene	ND	0.05	ug/L					
2-Methylnaphthalene	ND	0.05	ug/L					
Methylnaphthalene (1&2)	ND	0.10	ug/L					
Naphthalene	ND	0.05	ug/L					
Phenanthrene	ND	0.05	ug/L					
Pyrene	ND	0.01	ug/L					
Surrogate: 2-Fluorobiphenyl	*15.6*		*%*	*78.2*	*50-140*			
Surrogate: Terphenyl-d14	*17.9*		*%*	*89.7*	*50-140*			
Volatiles								
Acetone	ND	5.0	ug/L					
Benzene	ND	0.5	ug/L					
Bromodichloromethane	ND	0.5	ug/L					
Bromoform	ND	0.5	ug/L					
Bromomethane	ND	0.5	ug/L					
Carbon Tetrachloride	ND	0.2	ug/L					
Chlorobenzene	ND	0.5	ug/L					
Chloroform	ND	0.5	ug/L					
Dibromochloromethane	ND	0.5	ug/L					
Dichlorodifluoromethane	ND	1.0	ug/L					
1,2-Dichlorobenzene	ND	0.5	ug/L					
1,3-Dichlorobenzene	ND	0.5	ug/L					
1,4-Dichlorobenzene	ND	0.5	ug/L					
1,1-Dichloroethane	ND	0.5	ug/L					
1,2-Dichloroethane	ND	0.5	ug/L					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethylene	ND	0.5	ug/L					
cis-1,2-Dichloroethylene	ND	0.5	ug/L					
trans-1,2-Dichloroethylene	ND	0.5	ug/L					
1,2-Dichloropropane	ND	0.5	ug/L					
cis-1,3-Dichloropropylene	ND	0.5	ug/L					
trans-1,3-Dichloropropylene	ND	0.5	ug/L					
1,3-Dichloropropene, total	ND	0.5	ug/L					
Ethylbenzene	ND	0.5	ug/L					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L					
Hexane	ND	1.0	ug/L					
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L					
Methyl Isobutyl Ketone	ND	5.0	ug/L					
Methyl tert-butyl ether	ND	2.0	ug/L					
Methylene Chloride	ND	5.0	ug/L					
Styrene	ND	0.5	ug/L					
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L					
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L					
Tetrachloroethylene	ND	0.5	ug/L					
Toluene	ND	0.5	ug/L					
1,1,1-Trichloroethane	ND	0.5	ug/L					
1,1,2-Trichloroethane	ND	0.5	ug/L					
Trichloroethylene	ND	0.5	ug/L					
Trichlorofluoromethane	ND	1.0	ug/L					
Vinyl chloride	ND	0.5	ug/L					
m,p-Xylenes	ND	0.5	ug/L					
o-Xylene	ND	0.5	ug/L					
Xylenes, total	ND	0.5	ug/L					
Surrogate: 4-Bromofluorobenzene	*93.8*		*%*	*117*	*50-140*			
Surrogate: Dibromofluoromethane	*90.1*		*%*	*113*	*50-140*			
Surrogate: Toluene-d8	*80.4*		*%*	*100*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
Metals									
Mercury	ND	0.1	ug/L	ND			NC	20	
Antimony	ND	0.5	ug/L	ND			NC	20	
Arsenic	ND	1	ug/L	ND			NC	20	
Barium	23.2	1	ug/L	21.8			6.2	20	
Beryllium	ND	0.5	ug/L	ND			NC	20	
Boron	18	10	ug/L	17			5.1	20	
Cadmium	ND	0.1	ug/L	ND			NC	20	
Chromium (VI)	ND	10	ug/L	ND			NC	20	
Chromium	ND	1	ug/L	ND			NC	20	
Cobalt	ND	0.5	ug/L	ND			NC	20	
Copper	1.65	0.5	ug/L	1.59			3.4	20	
Lead	ND	0.1	ug/L	ND			NC	20	
Molybdenum	0.98	0.5	ug/L	0.97			1.6	20	
Nickel	1.1	1	ug/L	1.2			3.3	20	
Selenium	ND	1	ug/L	ND			NC	20	
Silver	ND	0.1	ug/L	ND			NC	20	
Sodium	16700	200	ug/L	16500			1.3	20	
Thallium	ND	0.1	ug/L	ND			NC	20	
Uranium	ND	0.1	ug/L	ND			NC	20	
Vanadium	ND	0.5	ug/L	ND			NC	20	
Zinc	8	5	ug/L	8			2.0	20	
Volatiles									
Acetone	ND	5.0	ug/L	ND			NC	30	
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	ND	0.5	ug/L	ND			NC	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	ND	0.5	ug/L	ND			NC	30	
Dibromochloromethane	ND	0.5	ug/L	ND			NC	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND			NC	30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	*94.9*		*%*		*119*	*50-140*			
Surrogate: Dibromofluoromethane	*88.1*		*%*		*110*	*50-140*			
Surrogate: Toluene-d8	*83.5*		*%*		*104*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	1880	25	ug/L	ND	109	85-115			
F2 PHCs (C10-C16)	1760	100	ug/L	ND	110	60-140			
F3 PHCs (C16-C34)	4590	100	ug/L	ND	117	60-140			
F4 PHCs (C34-C50)	2930	100	ug/L	ND	118	60-140			
Metals									
Mercury	2.53	0.1	ug/L	ND	84.4	70-130			
Antimony	43.6	0.5	ug/L	ND	87.0	80-120			
Arsenic	47.5	1	ug/L	ND	94.3	80-120			
Barium	71.6	1	ug/L	21.8	99.6	80-120			
Beryllium	47.1	0.5	ug/L	ND	94.2	80-120			
Boron	62	10	ug/L	17	90.2	80-120			
Cadmium	48.9	0.1	ug/L	ND	97.9	80-120			
Chromium (VI)	200	10	ug/L	ND	100	75-115			
Chromium	52.0	1	ug/L	ND	104	80-120			
Cobalt	49.2	0.5	ug/L	ND	98.4	80-120			
Copper	48.1	0.5	ug/L	1.59	93.0	80-120			
Lead	47.1	0.1	ug/L	ND	94.2	80-120			
Molybdenum	48.1	0.5	ug/L	0.97	94.4	80-120			
Nickel	49.5	1	ug/L	1.2	96.6	80-120			
Selenium	48.7	1	ug/L	ND	97.3	80-120			
Silver	45.3	0.1	ug/L	ND	90.5	80-120			
Sodium	25500	200	ug/L	16500	89.6	80-120			
Thallium	46.7	0.1	ug/L	ND	93.3	80-120			
Uranium	48.0	0.1	ug/L	ND	95.9	80-120			
Vanadium	50.9	0.5	ug/L	ND	102	80-120			
Zinc	54	5	ug/L	8	91.0	80-120			
Semi-Volatiles									
Acenaphthene	3.44	0.05	ug/L	ND	68.9	50-140			
Acenaphthylene	3.49	0.05	ug/L	ND	69.7	50-140			
Anthracene	4.16	0.01	ug/L	ND	83.1	50-140			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [a] anthracene	3.95	0.01	ug/L	ND	79.0	50-140			
Benzo [a] pyrene	4.06	0.01	ug/L	ND	81.2	50-140			
Benzo [b] fluoranthene	4.26	0.05	ug/L	ND	85.1	50-140			
Benzo [g,h,i] perylene	4.24	0.05	ug/L	ND	84.8	50-140			
Benzo [k] fluoranthene	4.22	0.05	ug/L	ND	84.5	50-140			
Chrysene	4.08	0.05	ug/L	ND	81.5	50-140			
Dibenzo [a,h] anthracene	4.54	0.05	ug/L	ND	90.9	50-140			
Fluoranthene	3.69	0.01	ug/L	ND	73.8	50-140			
Fluorene	3.22	0.05	ug/L	ND	64.3	50-140			
Indeno [1,2,3-cd] pyrene	4.43	0.05	ug/L	ND	88.6	50-140			
1-Methylnaphthalene	4.18	0.05	ug/L	ND	83.5	50-140			
2-Methylnaphthalene	4.04	0.05	ug/L	ND	80.8	50-140			
Naphthalene	3.38	0.05	ug/L	ND	67.6	50-140			
Phenanthrene	3.59	0.05	ug/L	ND	71.9	50-140			
Pyrene	3.74	0.01	ug/L	ND	74.8	50-140			
Surrogate: 2-Fluorobiphenyl	*15.6*		*%*		*78.1*	*50-140*			
Surrogate: Terphenyl-d14	*17.6*		*%*		*88.0*	*50-140*			
Volatiles									
Acetone	97.7	5.0	ug/L	ND	97.7	50-140			
Benzene	43.4	0.5	ug/L	ND	108	60-130			
Bromodichloromethane	48.7	0.5	ug/L	ND	122	60-130			
Bromoform	32.4	0.5	ug/L	ND	81.0	60-130			
Bromomethane	39.1	0.5	ug/L	ND	97.8	50-140			
Carbon Tetrachloride	45.4	0.2	ug/L	ND	114	60-130			
Chlorobenzene	40.6	0.5	ug/L	ND	101	60-130			
Chloroform	41.3	0.5	ug/L	ND	103	60-130			
Dibromochloromethane	34.8	0.5	ug/L	ND	87.0	60-130			
Dichlorodifluoromethane	39.9	1.0	ug/L	ND	99.7	50-140			
1,2-Dichlorobenzene	39.4	0.5	ug/L	ND	98.6	60-130			
1,3-Dichlorobenzene	39.1	0.5	ug/L	ND	97.6	60-130			
1,4-Dichlorobenzene	39.8	0.5	ug/L	ND	99.6	60-130			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethane	42.3	0.5	ug/L	ND	106	60-130			
1,2-Dichloroethane	43.4	0.5	ug/L	ND	109	60-130			
1,1-Dichloroethylene	47.0	0.5	ug/L	ND	117	60-130			
cis-1,2-Dichloroethylene	46.2	0.5	ug/L	ND	115	60-130			
trans-1,2-Dichloroethylene	45.5	0.5	ug/L	ND	114	60-130			
1,2-Dichloropropane	45.8	0.5	ug/L	ND	114	60-130			
cis-1,3-Dichloropropylene	42.4	0.5	ug/L	ND	106	60-130			
trans-1,3-Dichloropropylene	41.9	0.5	ug/L	ND	105	60-130			
Ethylbenzene	39.3	0.5	ug/L	ND	98.2	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	37.6	0.2	ug/L	ND	94.0	60-130			
Hexane	41.8	1.0	ug/L	ND	104	60-130			
Methyl Ethyl Ketone (2-Butanone)	110	5.0	ug/L	ND	110	50-140			
Methyl Isobutyl Ketone	117	5.0	ug/L	ND	117	50-140			
Methyl tert-butyl ether	108	2.0	ug/L	ND	108	50-140			
Methylene Chloride	44.6	5.0	ug/L	ND	111	60-130			
Styrene	37.9	0.5	ug/L	ND	94.7	60-130			
1,1,1,2-Tetrachloroethane	35.3	0.5	ug/L	ND	88.3	60-130			
1,1,2,2-Tetrachloroethane	44.1	0.5	ug/L	ND	110	60-130			
Tetrachloroethylene	34.0	0.5	ug/L	ND	85.0	60-130			
Toluene	41.9	0.5	ug/L	ND	105	60-130			
1,1,1-Trichloroethane	47.3	0.5	ug/L	ND	118	60-130			
1,1,2-Trichloroethane	42.2	0.5	ug/L	ND	106	60-130			
Trichloroethylene	49.6	0.5	ug/L	ND	124	60-130			
Trichlorofluoromethane	41.5	1.0	ug/L	ND	104	60-130			
Vinyl chloride	39.0	0.5	ug/L	ND	97.5	50-140			
m,p-Xylenes	80.1	0.5	ug/L	ND	100	60-130			
o-Xylene	40.5	0.5	ug/L	ND	101	60-130			
Surrogate: 4-Bromofluorobenzene	*82.2*		*%*		*103*	*50-140*			
Surrogate: Dibromofluoromethane	*97.2*		*%*		*122*	*50-140*			
Surrogate: Toluene-d8	*79.7*		*%*		*99.6*	*50-140*			

Qualifier Notes:

Sample Qualifiers :

1: Surrogate recovery outside of accepted range due to extract dilution and matrix interference.

Applies to Samples: QC-02

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.

- F1 range corrected for BTEX.

- F2 to F3 ranges corrected for appropriate PAHs where available.

- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.

- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.

- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

PARAC LABORATORIES

Paracel ID: 2525382

Blvd. 4J8 bs.com

Paracel Order Number (Lab Use Only): 2525382

Chain of Custody (Lab Use Only) № 146993

Client Name: STANTEC
Contact Name: PHILIP RESENDES
Address: 300 1331 CLYDE AVE. OTTAWA ON.
Telephone: 519 585-7440

Project Ref: 122170424.302
Quote # 2524005
PO #
E-mail: PHILIP.RESENDES@STANTEC.COM

Page 1 of 1

Turnaround Time
☐ 1 Day ☐ 3 Day
☐ 2 day ☒ Regular
Date Required: _____

☒ REG 153/04 ☐ REG 406/19

☐ Table 1 ☐ Agri/other ☐ Med/Fine
☐ Table 2 ☐ Res/Park ☐ Coarse
☐ Table 3 ☐ Ind/Comm
Table 7
For RSC: ☒ Yes ☐ No

Other Regulation
☐ REG 558 ☐ PWQO
☐ CCME ☐ MISA
☐ SU - Sani ☐ SU - Storm
Mun: _____
☐ other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Field Filtered	Sample Taken: Date	Sample Taken: Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)				
1	MW25-02	GW		9	Y	6/18/25		X	X	X	X	X	X					
2	BH1	GW		2	/				X									
3	MW08-34	GW		2	/				X									
4	MW08-33A	GW		2	/				X									
5	MW08-32A	GW		6	/			X	X	X								
6	MW08-31A	GW		2	/				X									
7	MW00-4	GW		2	/				X									
8	MW05-4	GW		2	/				X									
9	MW05-4A	GW		2	/				X									
10	QC-02	GW		2	/				X									

Comments:

Method of Delivery: Walk IN

Relinquished By (Sign):
Relinquished By (Print): TREVOR SAUNDERS
Date/Time: 6/19/25

Received at Depot:
Date/Time:
Temperature °C

Received at Lab: VM
Date/Time: June 19/25 1124
Temperature 6.5°C °C

Verified By: SO
Date/Time: June 19, 2025 1:13 pm
pH Verified: ☑ By: LTJ

Your Project #: 122170424.302
Your C.O.C. #: 57714

Attention: Dylan Hemmings

Stantec Consulting Ltd
300 Hagey Blvd
Suite 100
Waterloo, ON
CANADA N2L 0A4

Report Date: 2025/07/07
Report #: R8570580
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C573470
Received: 2025/06/20, 10:00

Sample Matrix: Air
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
BTEX Fractionation in Air (TO-15mod)	3	N/A	2025/06/25	BRL SOP-00304	EPA TO-15 m
BTEX Fractionation in Air (TO-15mod)	4	N/A	2025/06/26	BRL SOP-00304	EPA TO-15 m
BTEX Fractionation in Air (TO-15mod)	5	N/A	2025/06/30	BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	7	N/A	2025/06/25	BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	5	N/A	2025/06/30	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (ug/m3)	8	N/A	2025/06/27	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (ug/m3)	4	N/A	2025/07/02	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	7	N/A	2025/06/25	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/06/30	BRL SOP-00304	EPA TO-15 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) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected

Your Project #: 122170424.302
Your C.O.C. #: 57714

Attention: Dylan Hemmings

Stantec Consulting Ltd
300 Hagey Blvd
Suite 100
Waterloo, ON
CANADA N2L 0A4

Report Date: 2025/07/07
Report #: R8570580
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C573470

Received: 2025/06/20, 10:00

and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Cristina (Maria) Bacchus, Project Manager
Email: maria.bacchus@bureauveritas.com
Phone# (905)817-5763

==========

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 Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C573470
Report Date: 2025/07/07

Stantec Consulting Ltd
Client Project #: 122170424.302
Sampler Initials: TS

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASDW19	ASDW20	ASDW21	ASDW22	ASDW23	ASDW24	ASDW25	
Sampling Date		2025/06/17	2025/06/17	2025/06/17	2025/06/18	2025/06/18	2025/06/18	2025/06/18	
COC Number		57714	57714	57714	57714	57714	57714	57714	
	UNITS	VP12-2	VP12-1	VP12-3	VP14-4	VP07-1	VP07-3	VP14-7	QC Batch
Volatile Organics									
Pressure on Receipt	psig	(-3.2)	(-4.6)	(-3.4)	(-7.3)	(-3.9)	(-7.2)	(-6.8)	9957681
QC Batch = Quality Control Batch									

Bureau Veritas ID		ASDW26	ASDW27	ASDW28	ASDW29	ASDW30	
Sampling Date		2025/06/18	2025/06/18	2025/06/18	2025/06/17	2025/06/17	
COC Number		57714	57714	57714	57714	57714	
	UNITS	VP14-2	VP14-1	VP14-10	TRIP BLANK	QC-01	QC Batch
Volatile Organics							
Pressure on Receipt	psig	(-4.4)	(-4.1)	(-6.2)	(-14.3)	(-3.5)	9961274
QC Batch = Quality Control Batch							

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Volatile Organics										
Dichlorodifluoromethane (FREON 12)	ppbv	0.53	0.20	0.51	0.20	0.48	0.20	<2.0	2.0	9957683
1,2-Dichlorotetrafluoroethane	ppbv	<0.17	0.17	<0.17	0.17	<0.17	0.17	<1.7	1.7	9957683
Chloromethane	ppbv	0.54	0.30	0.36	0.30	<0.30	0.30	<3.0	3.0	9957683
Vinyl Chloride	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Chloroethane	ppbv	<0.30	0.30	<0.30	0.30	<0.30	0.30	<3.0	3.0	9957683
1,3-Butadiene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
Trichlorofluoromethane (FREON 11)	ppbv	0.39	0.20	0.22	0.20	0.23	0.20	<2.0	2.0	9957683
Ethanol (ethyl alcohol)	ppbv	3.8	1.0	2.3	1.0	1.8	1.0	<10	10	9957683
Trichlorotrifluoroethane	ppbv	<0.15	0.15	<0.15	0.15	<0.15	0.15	2.0	1.5	9957683
2-propanol	ppbv	2.0	1.0	1.1	1.0	<1.0	1.0	<10	10	9957683
2-Propanone	ppbv	39.8	0.60	18.5	0.60	16.6	0.60	12.5	6.0	9957683
Methyl Ethyl Ketone (2-Butanone)	ppbv	3.68	0.20	2.31	0.20	1.52	0.20	<2.0	2.0	9957683
Methyl Isobutyl Ketone	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Methyl Butyl Ketone (2-Hexanone)	ppbv	<1.0	1.0	<1.0	1.0	<1.0	1.0	<10	10	9957683
Methyl t-butyl ether (MTBE)	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Ethyl Acetate	ppbv	<1.0	1.0	<1.0	1.0	<1.0	1.0	<10	10	9957683
1,1-Dichloroethylene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
cis-1,2-Dichloroethylene	ppbv	177	0.25	12.4	0.10	61.9	0.10	2.8	1.0	9957683
trans-1,2-Dichloroethylene	ppbv	42.2	0.10	0.86	0.10	2.06	0.10	<1.0	1.0	9957683
Methylene Chloride(Dichloromethane)	ppbv	<0.60	0.60	<0.60	0.60	<0.60	0.60	<6.0	6.0	9957683
Chloroform	ppbv	2.92	0.10	0.20	0.10	0.38	0.10	3.5	1.0	9957683
Carbon Tetrachloride	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	2.0	1.0	9957683
1,1-Dichloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,2-Dichloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Ethylene Dibromide	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,1,1-Trichloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,1,2-Trichloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,1,2,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
cis-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
trans-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,2-Dichloropropane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Bromomethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Bromoform	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Bromodichloromethane	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Dibromochloromethane	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Trichloroethylene	ppbv	21.1	0.10	4.76	0.10	14.8	0.10	8.3	1.0	9957683
Tetrachloroethylene	ppbv	<0.10	0.10	<0.10	0.10	0.50	0.10	20.8	1.0	9957683
Benzene	ppbv	0.71	0.10	0.52	0.10	0.39	0.10	<1.0	1.0	9957683
Toluene	ppbv	11.2	0.10	10.4	0.10	10.3	0.10	2.2	1.0	9957683
Ethylbenzene	ppbv	1.61	0.10	1.60	0.10	1.54	0.10	<1.0	1.0	9957683
p+m-Xylene	ppbv	4.63	0.20	4.57	0.20	4.50	0.20	<2.0	2.0	9957683
o-Xylene	ppbv	2.25	0.10	2.17	0.10	2.12	0.10	<1.0	1.0	9957683
Styrene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
4-ethyltoluene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
1,3,5-Trimethylbenzene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
1,2,4-Trimethylbenzene	ppbv	1.63	0.50	1.47	0.50	1.58	0.50	<5.0	5.0	9957683
Chlorobenzene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Benzyl chloride	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
1,3-Dichlorobenzene	ppbv	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9957683
1,4-Dichlorobenzene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,2-Dichlorobenzene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,2,4-Trichlorobenzene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
Hexachlorobutadiene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
Hexane	ppbv	<5.0	5.0	<2.5	2.5	<2.5	2.5	<2.0	2.0	9957683
Heptane	ppbv	0.58	0.30	0.53	0.30	0.45	0.30	<3.0	3.0	9957683
Cyclohexane	ppbv	0.39	0.20	0.28	0.20	0.20	0.20	<2.0	2.0	9957683
Tetrahydrofuran	ppbv	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9957683
1,4-Dioxane	ppbv	<1.0	1.0	<1.0	1.0	<1.0	1.0	<10	10	9957683
Naphthalene	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Total Xylenes	ppbv	6.88	0.30	6.75	0.30	6.62	0.30	<3.0	3.0	9957683
1,1,1,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Vinyl Bromide	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Propene	ppbv	5.99	0.50	2.65	0.50	1.55	0.50	<1500	1500	9957683
2,2,4-Trimethylpentane	ppbv	<3.5	3.5	<2.5	2.5	<2.0	2.0	<2.0	2.0	9957683
Carbon Disulfide	ppbv	1.60	0.50	1.85	0.50	1.70	0.50	<5.0	5.0	9957683

RDL = Reportable Detection Limit
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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Vinyl Acetate	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Surrogate Recovery (%)										
Bromochloromethane	%	82		78		80		82		9957683
D5-Chlorobenzene	%	80		73		79		78		9957683
Difluorobenzene	%	81		77		80		81		9957683

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25			ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18			2025/06/18		
COC Number		57714		57714		57714			57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	QC Batch	VP14-2	RDL	QC Batch
Volatile Organics											
Dichlorodifluoromethane (FREON 12)	ppbv	0.52	0.20	0.53	0.40	1.64	0.40	9957683	0.55	0.20	9960385
1,2-Dichlorotetrafluoroethane	ppbv	<0.17	0.17	<0.34	0.34	<0.34	0.34	9957683	<0.17	0.17	9960385
Chloromethane	ppbv	0.32	0.30	<0.60	0.60	<0.60	0.60	9957683	0.31	0.30	9960385
Vinyl Chloride	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	0.38	0.10	9960385
Chloroethane	ppbv	<0.30	0.30	<0.60	0.60	<0.60	0.60	9957683	<0.30	0.30	9960385
1,3-Butadiene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
Trichlorofluoromethane (FREON 11)	ppbv	0.21	0.20	<0.40	0.40	3.01	0.40	9957683	0.28	0.20	9960385
Ethanol (ethyl alcohol)	ppbv	1.8	1.0	3.0	2.0	<2.0	2.0	9957683	160	2.0	9960385
Trichlorotrifluoroethane	ppbv	<0.15	0.15	<0.30	0.30	<0.30	0.30	9957683	0.19	0.15	9960385
2-propanol	ppbv	<1.0	1.0	<2.0	2.0	2.4	2.0	9957683	<35	35	9960385
2-Propanone	ppbv	6.23	0.60	16.1	1.2	15.1	1.2	9957683	15.9	0.60	9960385
Methyl Ethyl Ketone (2-Butanone)	ppbv	<0.60	0.60	<2.5	2.5	<2.0	2.0	9957683	1.40	0.20	9960385
Methyl Isobutyl Ketone	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Methyl Butyl Ketone (2-Hexanone)	ppbv	<1.0	1.0	<2.0	2.0	<2.0	2.0	9957683	<1.0	1.0	9960385
Methyl t-butyl ether (MTBE)	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Ethyl Acetate	ppbv	<1.0	1.0	<2.0	2.0	<2.0	2.0	9957683	1.2	1.0	9960385
1,1-Dichloroethylene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
cis-1,2-Dichloroethylene	ppbv	0.54	0.10	12.2	0.20	10.2	0.20	9957683	<0.10	0.10	9960385
trans-1,2-Dichloroethylene	ppbv	0.11	0.10	0.98	0.20	1.34	0.20	9957683	<0.10	0.10	9960385
Methylene Chloride(Dichloromethane)	ppbv	<0.60	0.60	<1.2	1.2	<1.2	1.2	9957683	2.03	0.60	9960385
Chloroform	ppbv	0.65	0.10	0.33	0.20	0.34	0.20	9957683	0.14	0.10	9960385
Carbon Tetrachloride	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,1-Dichloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,2-Dichloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	0.13	0.10	9960385
Ethylene Dibromide	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,1,1-Trichloroethane	ppbv	<0.10	0.10	0.29	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,1,2-Trichloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,1,2,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
cis-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
trans-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,2-Dichloropropane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
Bromomethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25			ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18			2025/06/18		
COC Number		57714		57714		57714			57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	QC Batch	VP14-2	RDL	QC Batch
Bromoform	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Bromodichloromethane	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Dibromochloromethane	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Trichloroethylene	ppbv	2.90	0.10	8.92	0.20	22.5	0.20	9957683	<0.10	0.10	9960385
Tetrachloroethylene	ppbv	2.36	0.10	2.04	0.20	3.07	0.20	9957683	0.20	0.10	9960385
Benzene	ppbv	0.15	0.10	0.28	0.20	0.35	0.20	9957683	1.97	0.10	9960385
Toluene	ppbv	2.23	0.10	3.12	0.20	4.18	0.20	9957683	21.8	0.10	9960385
Ethylbenzene	ppbv	0.49	0.10	0.58	0.20	0.96	0.20	9957683	0.48	0.10	9960385
p+m-Xylene	ppbv	1.39	0.20	1.72	0.40	2.82	0.40	9957683	1.82	0.20	9960385
o-Xylene	ppbv	0.79	0.10	0.98	0.20	1.65	0.20	9957683	0.59	0.10	9960385
Styrene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
4-ethyltoluene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
1,3,5-Trimethylbenzene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
1,2,4-Trimethylbenzene	ppbv	0.71	0.50	<1.0	1.0	1.5	1.0	9957683	0.74	0.50	9960385
Chlorobenzene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
Benzyl chloride	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
1,3-Dichlorobenzene	ppbv	<0.40	0.40	<0.80	0.80	<0.80	0.80	9957683	<0.40	0.40	9960385
1,4-Dichlorobenzene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	0.45	0.10	9960385
1,2-Dichlorobenzene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,2,4-Trichlorobenzene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
Hexachlorobutadiene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
Hexane	ppbv	<1.0	1.0	<3.5	3.5	<2.5	2.5	9957683	7.88	0.20	9960385
Heptane	ppbv	<0.30	0.30	<0.60	0.60	<0.60	0.60	9957683	1.63	0.30	9960385
Cyclohexane	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	0.69	0.20	9960385
Tetrahydrofuran	ppbv	<0.40	0.40	<0.80	0.80	<0.80	0.80	9957683	<0.40	0.40	9960385
1,4-Dioxane	ppbv	<1.0	1.0	<2.0	2.0	<2.0	2.0	9957683	<1.0	1.0	9960385
Naphthalene	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Total Xylenes	ppbv	2.18	0.30	2.69	0.60	4.47	0.60	9957683	2.41	0.30	9960385
1,1,1,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
Vinyl Bromide	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Propene	ppbv	<1.5	1.5	<1.0	1.0	<2.5	2.5	9957683	<2.5	2.5	9960385
2,2,4-Trimethylpentane	ppbv	<0.65	0.65	<1.5	1.5	<1.5	1.5	9957683	0.41	0.20	9960385
Carbon Disulfide	ppbv	1.00	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25			ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18			2025/06/18		
COC Number		57714		57714		57714			57714		
	UNITS	**VP07-1**	**RDL**	**VP07-3**	**RDL**	**VP14-7**	**RDL**	**QC Batch**	**VP14-2**	**RDL**	**QC Batch**
Vinyl Acetate	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Surrogate Recovery (%)											
Bromochloromethane	%	75		82		85		9957683	98		9960385
D5-Chlorobenzene	%	79		78		78		9957683	101		9960385
Difluorobenzene	%	77		80		84		9957683	101		9960385

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QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Volatile Organics										
Dichlorodifluoromethane (FREON 12)	ppbv	0.52	0.20	0.58	0.36	<0.20	0.20	0.68	0.20	9960385
1,2-Dichlorotetrafluoroethane	ppbv	<0.17	0.17	<0.31	0.31	<0.17	0.17	<0.17	0.17	9960385
Chloromethane	ppbv	0.31	0.30	<0.54	0.54	<0.30	0.30	0.65	0.30	9960385
Vinyl Chloride	ppbv	0.48	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Chloroethane	ppbv	<0.30	0.30	<0.54	0.54	<0.30	0.30	<0.30	0.30	9960385
1,3-Butadiene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	<0.50	0.50	9960385
Trichlorofluoromethane (FREON 11)	ppbv	0.26	0.20	<0.36	0.36	<0.20	0.20	0.43	0.20	9960385
Ethanol (ethyl alcohol)	ppbv	230	4.0	<1.8	1.8	<1.0	1.0	3.2	1.0	9960385
Trichlorotrifluoroethane	ppbv	<0.15	0.15	1.96	0.27	<0.15	0.15	<0.15	0.15	9960385
2-propanol	ppbv	45.6	1.0	1.9	1.8	<1.0	1.0	2.4	1.0	9960385
2-Propanone	ppbv	21.9	0.60	16.2	1.1	<0.60	0.60	42.9	0.60	9960385
Methyl Ethyl Ketone (2-Butanone)	ppbv	1.88	0.20	0.84	0.36	<0.20	0.20	4.13	0.20	9960385
Methyl Isobutyl Ketone	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Methyl Butyl Ketone (2-Hexanone)	ppbv	<1.0	1.0	<1.8	1.8	<1.0	1.0	<1.0	1.0	9960385
Methyl t-butyl ether (MTBE)	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Ethyl Acetate	ppbv	1.7	1.0	<1.8	1.8	<1.0	1.0	<1.0	1.0	9960385
1,1-Dichloroethylene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
cis-1,2-Dichloroethylene	ppbv	0.14	0.10	66.6	0.18	<0.10	0.10	214	0.40	9960385
trans-1,2-Dichloroethylene	ppbv	<0.10	0.10	11.9	0.18	<0.10	0.10	44.5	0.10	9960385
Methylene Chloride(Dichloromethane)	ppbv	1.46	0.60	<1.1	1.1	<0.60	0.60	<0.60	0.60	9960385
Chloroform	ppbv	0.16	0.10	1.82	0.18	<0.10	0.10	3.21	0.10	9960385
Carbon Tetrachloride	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,1-Dichloroethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,2-Dichloroethane	ppbv	0.13	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Ethylene Dibromide	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,1,1-Trichloroethane	ppbv	<0.10	0.10	0.70	0.18	<0.10	0.10	<0.10	0.10	9960385
1,1,2-Trichloroethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,1,2,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
cis-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
trans-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,2-Dichloropropane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Bromomethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Bromoform	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Bromodichloromethane	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Dibromochloromethane	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Trichloroethylene	ppbv	0.23	0.10	174	0.18	<0.10	0.10	24.2	0.10	9960385
Tetrachloroethylene	ppbv	0.31	0.10	8.01	0.18	<0.10	0.10	<0.10	0.10	9960385
Benzene	ppbv	0.67	0.10	0.45	0.18	<0.10	0.10	0.77	0.10	9960385
Toluene	ppbv	23.1	0.10	4.54	0.18	<0.10	0.10	12.6	0.10	9960385
Ethylbenzene	ppbv	0.36	0.10	1.09	0.18	<0.10	0.10	2.16	0.10	9960385
p+m-Xylene	ppbv	1.30	0.20	3.24	0.36	<0.20	0.20	6.28	0.20	9960385
o-Xylene	ppbv	0.48	0.10	1.73	0.18	<0.10	0.10	3.02	0.10	9960385
Styrene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
4-ethyltoluene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	0.66	0.50	9960385
1,3,5-Trimethylbenzene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	0.72	0.50	9960385
1,2,4-Trimethylbenzene	ppbv	0.66	0.50	1.80	0.90	<0.50	0.50	2.50	0.50	9960385
Chlorobenzene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Benzyl chloride	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	<0.50	0.50	9960385
1,3-Dichlorobenzene	ppbv	<0.40	0.40	<0.72	0.72	<0.40	0.40	<0.40	0.40	9960385
1,4-Dichlorobenzene	ppbv	0.33	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,2-Dichlorobenzene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,2,4-Trichlorobenzene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	<0.50	0.50	9960385
Hexachlorobutadiene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	<0.50	0.50	9960385
Hexane	ppbv	3.43	0.20	<0.36	0.36	<0.20	0.20	<6.0	6.0	9960385
Heptane	ppbv	0.59	0.30	<0.54	0.54	<0.30	0.30	0.61	0.30	9960385
Cyclohexane	ppbv	0.25	0.20	0.47	0.36	<0.20	0.20	0.35	0.20	9960385
Tetrahydrofuran	ppbv	<0.40	0.40	<0.72	0.72	<0.40	0.40	<0.40	0.40	9960385
1,4-Dioxane	ppbv	<1.0	1.0	<1.8	1.8	<1.0	1.0	<1.0	1.0	9960385
Naphthalene	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Total Xylenes	ppbv	1.79	0.30	4.97	0.54	<0.30	0.30	9.30	0.30	9960385
1,1,1,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Vinyl Bromide	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Propene	ppbv	<5.0	5.0	<3.3	3.3	<0.50	0.50	6.78	0.50	9960385
2,2,4-Trimethylpentane	ppbv	<0.20	0.20	<1.6	1.6	<0.20	0.20	<3.5	3.5	9960385
Carbon Disulfide	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	3.11	0.50	9960385

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QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Vinyl Acetate	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Surrogate Recovery (%)										
Bromochloromethane	%	104		106		106		93		9960385
D5-Chlorobenzene	%	102		103		97		99		9960385
Difluorobenzene	%	105		106		103		98		9960385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Calculated Parameters										
Dichlorodifluoromethane (FREON 12)	ug/m3	2.63	0.99	2.51	0.99	2.37	0.99	<9.9	9.9	9954173
1,2-Dichlorotetrafluoroethane	ug/m3	<1.2	1.2	<1.2	1.2	<1.2	1.2	<12	12	9954173
Chloromethane	ug/m3	1.12	0.62	0.74	0.62	<0.62	0.62	<6.2	6.2	9954173
Vinyl Chloride	ug/m3	<0.26	0.26	<0.26	0.26	<0.26	0.26	<2.6	2.6	9954173
Chloroethane	ug/m3	<0.79	0.79	<0.79	0.79	<0.79	0.79	<7.9	7.9	9954173
1,3-Butadiene	ug/m3	<1.1	1.1	<1.1	1.1	<1.1	1.1	<11	11	9954173
Trichlorofluoromethane (FREON 11)	ug/m3	2.2	1.1	1.2	1.1	1.3	1.1	<11	11	9954173
Ethanol (ethyl alcohol)	ug/m3	7.2	1.9	4.3	1.9	3.4	1.9	<19	19	9954173
Trichlorotrifluoroethane	ug/m3	<1.2	1.2	<1.2	1.2	<1.2	1.2	15	12	9954173
2-propanol	ug/m3	4.9	2.5	2.8	2.5	<2.5	2.5	<25	25	9954173
2-Propanone	ug/m3	94.5	1.4	44.0	1.4	39.4	1.4	30	14	9954173
Methyl Ethyl Ketone (2-Butanone)	ug/m3	10.8	0.59	6.81	0.59	4.48	0.59	<5.9	5.9	9954173
Methyl Isobutyl Ketone	ug/m3	<0.82	0.82	<0.82	0.82	<0.82	0.82	<8.2	8.2	9954173
Methyl Butyl Ketone (2-Hexanone)	ug/m3	<4.1	4.1	<4.1	4.1	<4.1	4.1	<41	41	9954173
Methyl t-butyl ether (MTBE)	ug/m3	<0.72	0.72	<0.72	0.72	<0.72	0.72	<7.2	7.2	9954173
Ethyl Acetate	ug/m3	<3.6	3.6	<3.6	3.6	<3.6	3.6	<36	36	9954173
1,1-Dichloroethylene	ug/m3	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9954173
cis-1,2-Dichloroethylene	ug/m3	703	0.99	49.3	0.40	245	0.40	11.1	4.0	9954173
trans-1,2-Dichloroethylene	ug/m3	167	0.40	3.41	0.40	8.18	0.40	<4.0	4.0	9954173
Methylene Chloride(Dichloromethane)	ug/m3	<2.1	2.1	<2.1	2.1	<2.1	2.1	<21	21	9954173
Chloroform	ug/m3	14.3	0.49	0.98	0.49	1.86	0.49	16.9	4.9	9954173
Carbon Tetrachloride	ug/m3	<0.63	0.63	<0.63	0.63	<0.63	0.63	12.4	6.3	9954173
1,1-Dichloroethane	ug/m3	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9954173
1,2-Dichloroethane	ug/m3	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9954173
Ethylene Dibromide	ug/m3	<0.77	0.77	<0.77	0.77	<0.77	0.77	<7.7	7.7	9954173
1,1,1-Trichloroethane	ug/m3	<0.55	0.55	<0.55	0.55	<0.55	0.55	<5.5	5.5	9954173
1,1,2-Trichloroethane	ug/m3	<0.55	0.55	<0.55	0.55	<0.55	0.55	<5.5	5.5	9954173
1,1,2,2-Tetrachloroethane	ug/m3	<0.69	0.69	<0.69	0.69	<0.69	0.69	<6.9	6.9	9954173
cis-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.45	0.45	<0.45	0.45	<4.5	4.5	9954173
trans-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.45	0.45	<0.45	0.45	<4.5	4.5	9954173
1,2-Dichloropropane	ug/m3	<0.46	0.46	<0.46	0.46	<0.46	0.46	<4.6	4.6	9954173
Bromomethane	ug/m3	<0.39	0.39	<0.39	0.39	<0.39	0.39	<3.9	3.9	9954173

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Bromoform	ug/m3	<2.1	2.1	<2.1	2.1	<2.1	2.1	<21	21	9954173
Bromodichloromethane	ug/m3	<1.3	1.3	<1.3	1.3	<1.3	1.3	<13	13	9954173
Dibromochloromethane	ug/m3	<1.7	1.7	<1.7	1.7	<1.7	1.7	<17	17	9954173
Trichloroethylene	ug/m3	113	0.54	25.6	0.54	79.8	0.54	44.7	5.4	9954173
Tetrachloroethylene	ug/m3	<0.68	0.68	<0.68	0.68	3.39	0.68	141	6.8	9954173
Benzene	ug/m3	2.27	0.32	1.65	0.32	1.26	0.32	<3.2	3.2	9954173
Toluene	ug/m3	42.2	0.38	39.0	0.38	38.6	0.38	8.3	3.8	9954173
Ethylbenzene	ug/m3	6.98	0.43	6.97	0.43	6.68	0.43	<4.3	4.3	9954173
p+m-Xylene	ug/m3	20.1	0.87	19.9	0.87	19.5	0.87	<8.7	8.7	9954173
o-Xylene	ug/m3	9.77	0.43	9.44	0.43	9.22	0.43	<4.3	4.3	9954173
Styrene	ug/m3	<0.43	0.43	<0.43	0.43	<0.43	0.43	<4.3	4.3	9954173
4-ethyltoluene	ug/m3	<2.5	2.5	<2.5	2.5	<2.5	2.5	<25	25	9954173
1,3,5-Trimethylbenzene	ug/m3	<2.5	2.5	<2.5	2.5	<2.5	2.5	<25	25	9954173
1,2,4-Trimethylbenzene	ug/m3	8.0	2.5	7.2	2.5	7.8	2.5	<25	25	9954173
Chlorobenzene	ug/m3	<0.46	0.46	<0.46	0.46	<0.46	0.46	<4.6	4.6	9954173
Benzyl chloride	ug/m3	<2.6	2.6	<2.6	2.6	<2.6	2.6	<26	26	9954173
1,3-Dichlorobenzene	ug/m3	<2.4	2.4	<2.4	2.4	<2.4	2.4	<24	24	9954173
1,4-Dichlorobenzene	ug/m3	<0.60	0.60	<0.60	0.60	<0.60	0.60	<6.0	6.0	9954173
1,2-Dichlorobenzene	ug/m3	<0.60	0.60	<0.60	0.60	<0.60	0.60	<6.0	6.0	9954173
1,2,4-Trichlorobenzene	ug/m3	<3.7	3.7	<3.7	3.7	<3.7	3.7	<37	37	9954173
Hexachlorobutadiene	ug/m3	<5.3	5.3	<5.3	5.3	<5.3	5.3	<53	53	9954173
Hexane	ug/m3	<18	18	<8.8	8.8	<8.8	8.8	<7.0	7.0	9954173
Heptane	ug/m3	2.4	1.2	2.2	1.2	1.8	1.2	<12	12	9954173
Cyclohexane	ug/m3	1.35	0.69	0.96	0.69	0.69	0.69	<6.9	6.9	9954173
Tetrahydrofuran	ug/m3	<1.2	1.2	<1.2	1.2	<1.2	1.2	<12	12	9954173
1,4-Dioxane	ug/m3	<3.6	3.6	<3.6	3.6	<3.6	3.6	<36	36	9954173
Naphthalene	ug/m3	<1.0	1.0	<1.0	1.0	<1.0	1.0	<10	10	9954173
Total Xylenes	ug/m3	29.9	1.3	29.3	1.3	28.8	1.3	<13	13	9954173
1,1,1,2-Tetrachloroethane	ug/m3	<0.69	0.69	<0.69	0.69	<0.69	0.69	<6.9	6.9	9954173
Vinyl Bromide	ug/m3	<0.87	0.87	<0.87	0.87	<0.87	0.87	<8.7	8.7	9954173
Propene	ug/m3	10.3	0.86	4.57	0.86	2.67	0.86	<2600	2600	9954173
2,2,4-Trimethylpentane	ug/m3	<16	16	<12	12	<9.3	9.3	<9.3	9.3	9954173
Carbon Disulfide	ug/m3	5.0	1.6	5.8	1.6	5.3	1.6	<16	16	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	**VP12-2**	**RDL**	**VP12-1**	**RDL**	**VP12-3**	**RDL**	**VP14-4**	**RDL**	**QC Batch**
Vinyl Acetate	ug/m3	<0.70	0.70	<0.70	0.70	<0.70	0.70	<7.0	7.0	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25		ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	VP14-2	RDL	QC Batch
Calculated Parameters										
Dichlorodifluoromethane (FREON 12)	ug/m3	2.55	0.99	2.6	2.0	8.1	2.0	2.73	0.99	9954173
1,2-Dichlorotetrafluoroethane	ug/m3	<1.2	1.2	<2.4	2.4	<2.4	2.4	<1.2	1.2	9954173
Chloromethane	ug/m3	0.66	0.62	<1.2	1.2	<1.2	1.2	0.65	0.62	9954173
Vinyl Chloride	ug/m3	<0.26	0.26	<0.51	0.51	<0.51	0.51	0.98	0.26	9954173
Chloroethane	ug/m3	<0.79	0.79	<1.6	1.6	<1.6	1.6	<0.79	0.79	9954173
1,3-Butadiene	ug/m3	<1.1	1.1	<2.2	2.2	<2.2	2.2	<1.1	1.1	9954173
Trichlorofluoromethane (FREON 11)	ug/m3	1.2	1.1	<2.2	2.2	16.9	2.2	1.6	1.1	9954173
Ethanol (ethyl alcohol)	ug/m3	3.4	1.9	5.6	3.8	<3.8	3.8	301	3.8	9954173
Trichlorotrifluoroethane	ug/m3	<1.2	1.2	<2.3	2.3	<2.3	2.3	1.5	1.2	9954173
2-propanol	ug/m3	<2.5	2.5	<4.9	4.9	5.9	4.9	<86	86	9954173
2-Propanone	ug/m3	14.8	1.4	38.2	2.9	35.9	2.9	37.7	1.4	9954173
Methyl Ethyl Ketone (2-Butanone)	ug/m3	<1.8	1.8	<7.4	7.4	<5.9	5.9	4.12	0.59	9954173
Methyl Isobutyl Ketone	ug/m3	<0.82	0.82	<1.6	1.6	<1.6	1.6	<0.82	0.82	9954173
Methyl Butyl Ketone (2-Hexanone)	ug/m3	<4.1	4.1	<8.2	8.2	<8.2	8.2	<4.1	4.1	9954173
Methyl t-butyl ether (MTBE)	ug/m3	<0.72	0.72	<1.4	1.4	<1.4	1.4	<0.72	0.72	9954173
Ethyl Acetate	ug/m3	<3.6	3.6	<7.2	7.2	<7.2	7.2	4.5	3.6	9954173
1,1-Dichloroethylene	ug/m3	<0.40	0.40	<0.79	0.79	<0.79	0.79	<0.40	0.40	9954173
cis-1,2-Dichloroethylene	ug/m3	2.13	0.40	48.2	0.79	40.4	0.79	<0.40	0.40	9954173
trans-1,2-Dichloroethylene	ug/m3	0.42	0.40	3.90	0.79	5.32	0.79	<0.40	0.40	9954173
Methylene Chloride(Dichloromethane)	ug/m3	<2.1	2.1	<4.2	4.2	<4.2	4.2	7.0	2.1	9954173
Chloroform	ug/m3	3.16	0.49	1.59	0.98	1.64	0.98	0.67	0.49	9954173
Carbon Tetrachloride	ug/m3	<0.63	0.63	<1.3	1.3	<1.3	1.3	<0.63	0.63	9954173
1,1-Dichloroethane	ug/m3	<0.40	0.40	<0.81	0.81	<0.81	0.81	<0.40	0.40	9954173
1,2-Dichloroethane	ug/m3	<0.40	0.40	<0.81	0.81	<0.81	0.81	0.54	0.40	9954173
Ethylene Dibromide	ug/m3	<0.77	0.77	<1.5	1.5	<1.5	1.5	<0.77	0.77	9954173
1,1,1-Trichloroethane	ug/m3	<0.55	0.55	1.6	1.1	<1.1	1.1	<0.55	0.55	9954173
1,1,2-Trichloroethane	ug/m3	<0.55	0.55	<1.1	1.1	<1.1	1.1	<0.55	0.55	9954173
1,1,2,2-Tetrachloroethane	ug/m3	<0.69	0.69	<1.4	1.4	<1.4	1.4	<0.69	0.69	9954173
cis-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.91	0.91	<0.91	0.91	<0.45	0.45	9954173
trans-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.91	0.91	<0.91	0.91	<0.45	0.45	9954173
1,2-Dichloropropane	ug/m3	<0.46	0.46	<0.92	0.92	<0.92	0.92	<0.46	0.46	9954173
Bromomethane	ug/m3	<0.39	0.39	<0.78	0.78	<0.78	0.78	<0.39	0.39	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25		ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	VP14-2	RDL	QC Batch
Bromoform	ug/m3	<2.1	2.1	<4.1	4.1	<4.1	4.1	<2.1	2.1	9954173
Bromodichloromethane	ug/m3	<1.3	1.3	<2.7	2.7	<2.7	2.7	<1.3	1.3	9954173
Dibromochloromethane	ug/m3	<1.7	1.7	<3.4	3.4	<3.4	3.4	<1.7	1.7	9954173
Trichloroethylene	ug/m3	15.6	0.54	47.9	1.1	121	1.1	<0.54	0.54	9954173
Tetrachloroethylene	ug/m3	16.0	0.68	13.8	1.4	20.8	1.4	1.33	0.68	9954173
Benzene	ug/m3	0.49	0.32	0.88	0.64	1.13	0.64	6.31	0.32	9954173
Toluene	ug/m3	8.41	0.38	11.8	0.75	15.7	0.75	82.1	0.38	9954173
Ethylbenzene	ug/m3	2.11	0.43	2.54	0.87	4.18	0.87	2.07	0.43	9954173
p+m-Xylene	ug/m3	6.03	0.87	7.4	1.7	12.3	1.7	7.90	0.87	9954173
o-Xylene	ug/m3	3.43	0.43	4.25	0.87	7.14	0.87	2.55	0.43	9954173
Styrene	ug/m3	<0.43	0.43	<0.85	0.85	<0.85	0.85	<0.43	0.43	9954173
4-ethyltoluene	ug/m3	<2.5	2.5	<4.9	4.9	<4.9	4.9	<2.5	2.5	9954173
1,3,5-Trimethylbenzene	ug/m3	<2.5	2.5	<4.9	4.9	<4.9	4.9	<2.5	2.5	9954173
1,2,4-Trimethylbenzene	ug/m3	3.5	2.5	<4.9	4.9	7.5	4.9	3.6	2.5	9954173
Chlorobenzene	ug/m3	<0.46	0.46	<0.92	0.92	<0.92	0.92	<0.46	0.46	9954173
Benzyl chloride	ug/m3	<2.6	2.6	<5.2	5.2	<5.2	5.2	<2.6	2.6	9954173
1,3-Dichlorobenzene	ug/m3	<2.4	2.4	<4.8	4.8	<4.8	4.8	<2.4	2.4	9954173
1,4-Dichlorobenzene	ug/m3	<0.60	0.60	<1.2	1.2	<1.2	1.2	2.72	0.60	9954173
1,2-Dichlorobenzene	ug/m3	<0.60	0.60	<1.2	1.2	<1.2	1.2	<0.60	0.60	9954173
1,2,4-Trichlorobenzene	ug/m3	<3.7	3.7	<7.4	7.4	<7.4	7.4	<3.7	3.7	9954173
Hexachlorobutadiene	ug/m3	<5.3	5.3	<11	11	<11	11	<5.3	5.3	9954173
Hexane	ug/m3	<3.5	3.5	<12	12	<8.8	8.8	27.8	0.70	9954173
Heptane	ug/m3	<1.2	1.2	<2.5	2.5	<2.5	2.5	6.7	1.2	9954173
Cyclohexane	ug/m3	<0.69	0.69	<1.4	1.4	<1.4	1.4	2.39	0.69	9954173
Tetrahydrofuran	ug/m3	<1.2	1.2	<2.4	2.4	<2.4	2.4	<1.2	1.2	9954173
1,4-Dioxane	ug/m3	<3.6	3.6	<7.2	7.2	<7.2	7.2	<3.6	3.6	9954173
Naphthalene	ug/m3	<1.0	1.0	<2.1	2.1	<2.1	2.1	<1.0	1.0	9954173
Total Xylenes	ug/m3	9.5	1.3	11.7	2.6	19.4	2.6	10.5	1.3	9954173
1,1,1,2-Tetrachloroethane	ug/m3	<0.69	0.69	<1.4	1.4	<1.4	1.4	<0.69	0.69	9954173
Vinyl Bromide	ug/m3	<0.87	0.87	<1.8	1.8	<1.8	1.8	<0.87	0.87	9954173
Propene	ug/m3	<2.6	2.6	<1.7	1.7	<4.3	4.3	<4.3	4.3	9954173
2,2,4-Trimethylpentane	ug/m3	<3.0	3.0	<7.0	7.0	<7.0	7.0	1.90	0.93	9954173
Carbon Disulfide	ug/m3	3.1	1.6	<3.1	3.1	<3.1	3.1	<1.6	1.6	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25		ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	**VP07-1**	**RDL**	**VP07-3**	**RDL**	**VP14-7**	**RDL**	**VP14-2**	**RDL**	**QC Batch**
Vinyl Acetate	ug/m3	<0.70	0.70	<1.4	1.4	<1.4	1.4	<0.70	0.70	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Calculated Parameters										
Dichlorodifluoromethane (FREON 12)	ug/m3	2.57	0.99	2.9	1.8	<0.99	0.99	3.34	0.99	9954173
1,2-Dichlorotetrafluoroethane	ug/m3	<1.2	1.2	<2.1	2.1	<1.2	1.2	<1.2	1.2	9954173
Chloromethane	ug/m3	0.64	0.62	<1.1	1.1	<0.62	0.62	1.33	0.62	9954173
Vinyl Chloride	ug/m3	1.24	0.26	<0.46	0.46	<0.26	0.26	<0.26	0.26	9954173
Chloroethane	ug/m3	<0.79	0.79	<1.4	1.4	<0.79	0.79	<0.79	0.79	9954173
1,3-Butadiene	ug/m3	<1.1	1.1	<2.0	2.0	<1.1	1.1	<1.1	1.1	9954173
Trichlorofluoromethane (FREON 11)	ug/m3	1.5	1.1	<2.0	2.0	<1.1	1.1	2.4	1.1	9954173
Ethanol (ethyl alcohol)	ug/m3	433	7.5	<3.4	3.4	<1.9	1.9	6.0	1.9	9954173
Trichlorotrifluoroethane	ug/m3	<1.2	1.2	15.0	2.1	<1.2	1.2	<1.2	1.2	9954173
2-propanol	ug/m3	112	2.5	4.7	4.4	<2.5	2.5	5.8	2.5	9954173
2-Propanone	ug/m3	52.0	1.4	38.6	2.6	<1.4	1.4	102	1.4	9954173
Methyl Ethyl Ketone (2-Butanone)	ug/m3	5.55	0.59	2.5	1.1	<0.59	0.59	12.2	0.59	9954173
Methyl Isobutyl Ketone	ug/m3	<0.82	0.82	<1.5	1.5	<0.82	0.82	<0.82	0.82	9954173
Methyl Butyl Ketone (2-Hexanone)	ug/m3	<4.1	4.1	<7.4	7.4	<4.1	4.1	<4.1	4.1	9954173
Methyl t-butyl ether (MTBE)	ug/m3	<0.72	0.72	<1.3	1.3	<0.72	0.72	<0.72	0.72	9954173
Ethyl Acetate	ug/m3	6.2	3.6	<6.5	6.5	<3.6	3.6	<3.6	3.6	9954173
1,1-Dichloroethylene	ug/m3	<0.40	0.40	<0.71	0.71	<0.40	0.40	<0.40	0.40	9954173
cis-1,2-Dichloroethylene	ug/m3	0.57	0.40	264	0.71	<0.40	0.40	849	1.6	9954173
trans-1,2-Dichloroethylene	ug/m3	<0.40	0.40	47.1	0.71	<0.40	0.40	177	0.40	9954173
Methylene Chloride(Dichloromethane)	ug/m3	5.1	2.1	<3.8	3.8	<2.1	2.1	<2.1	2.1	9954173
Chloroform	ug/m3	0.80	0.49	8.88	0.88	<0.49	0.49	15.7	0.49	9954173
Carbon Tetrachloride	ug/m3	<0.63	0.63	<1.1	1.1	<0.63	0.63	<0.63	0.63	9954173
1,1-Dichloroethane	ug/m3	<0.40	0.40	<0.73	0.73	<0.40	0.40	<0.40	0.40	9954173
1,2-Dichloroethane	ug/m3	0.53	0.40	<0.73	0.73	<0.40	0.40	<0.40	0.40	9954173
Ethylene Dibromide	ug/m3	<0.77	0.77	<1.4	1.4	<0.77	0.77	<0.77	0.77	9954173
1,1,1-Trichloroethane	ug/m3	<0.55	0.55	3.82	0.98	<0.55	0.55	<0.55	0.55	9954173
1,1,2-Trichloroethane	ug/m3	<0.55	0.55	<0.98	0.98	<0.55	0.55	<0.55	0.55	9954173
1,1,2,2-Tetrachloroethane	ug/m3	<0.69	0.69	<1.2	1.2	<0.69	0.69	<0.69	0.69	9954173
cis-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.82	0.82	<0.45	0.45	<0.45	0.45	9954173
trans-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.82	0.82	<0.45	0.45	<0.45	0.45	9954173
1,2-Dichloropropane	ug/m3	<0.46	0.46	<0.83	0.83	<0.46	0.46	<0.46	0.46	9954173
Bromomethane	ug/m3	<0.39	0.39	<0.70	0.70	<0.39	0.39	<0.39	0.39	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Bromoform	ug/m3	<2.1	2.1	<3.7	3.7	<2.1	2.1	<2.1	2.1	9954173
Bromodichloromethane	ug/m3	<1.3	1.3	<2.4	2.4	<1.3	1.3	<1.3	1.3	9954173
Dibromochloromethane	ug/m3	<1.7	1.7	<3.1	3.1	<1.7	1.7	<1.7	1.7	9954173
Trichloroethylene	ug/m3	1.24	0.54	936	0.97	<0.54	0.54	130	0.54	9954173
Tetrachloroethylene	ug/m3	2.08	0.68	54.3	1.2	<0.68	0.68	<0.68	0.68	9954173
Benzene	ug/m3	2.15	0.32	1.44	0.58	<0.32	0.32	2.47	0.32	9954173
Toluene	ug/m3	87.0	0.38	17.1	0.68	<0.38	0.38	47.4	0.38	9954173
Ethylbenzene	ug/m3	1.56	0.43	4.72	0.78	<0.43	0.43	9.39	0.43	9954173
p+m-Xylene	ug/m3	5.66	0.87	14.1	1.6	<0.87	0.87	27.3	0.87	9954173
o-Xylene	ug/m3	2.11	0.43	7.53	0.78	<0.43	0.43	13.1	0.43	9954173
Styrene	ug/m3	<0.43	0.43	<0.77	0.77	<0.43	0.43	<0.43	0.43	9954173
4-ethyltoluene	ug/m3	<2.5	2.5	<4.4	4.4	<2.5	2.5	3.2	2.5	9954173
1,3,5-Trimethylbenzene	ug/m3	<2.5	2.5	<4.4	4.4	<2.5	2.5	3.6	2.5	9954173
1,2,4-Trimethylbenzene	ug/m3	3.3	2.5	8.9	4.4	<2.5	2.5	12.3	2.5	9954173
Chlorobenzene	ug/m3	<0.46	0.46	<0.83	0.83	<0.46	0.46	<0.46	0.46	9954173
Benzyl chloride	ug/m3	<2.6	2.6	<4.7	4.7	<2.6	2.6	<2.6	2.6	9954173
1,3-Dichlorobenzene	ug/m3	<2.4	2.4	<4.3	4.3	<2.4	2.4	<2.4	2.4	9954173
1,4-Dichlorobenzene	ug/m3	1.96	0.60	<1.1	1.1	<0.60	0.60	<0.60	0.60	9954173
1,2-Dichlorobenzene	ug/m3	<0.60	0.60	<1.1	1.1	<0.60	0.60	<0.60	0.60	9954173
1,2,4-Trichlorobenzene	ug/m3	<3.7	3.7	<6.7	6.7	<3.7	3.7	<3.7	3.7	9954173
Hexachlorobutadiene	ug/m3	<5.3	5.3	<9.6	9.6	<5.3	5.3	<5.3	5.3	9954173
Hexane	ug/m3	12.1	0.70	<1.3	1.3	<0.70	0.70	<21	21	9954173
Heptane	ug/m3	2.4	1.2	<2.2	2.2	<1.2	1.2	2.5	1.2	9954173
Cyclohexane	ug/m3	0.87	0.69	1.6	1.2	<0.69	0.69	1.19	0.69	9954173
Tetrahydrofuran	ug/m3	<1.2	1.2	<2.1	2.1	<1.2	1.2	<1.2	1.2	9954173
1,4-Dioxane	ug/m3	<3.6	3.6	<6.5	6.5	<3.6	3.6	<3.6	3.6	9954173
Naphthalene	ug/m3	<1.0	1.0	<1.9	1.9	<1.0	1.0	<1.0	1.0	9954173
Total Xylenes	ug/m3	7.8	1.3	21.6	2.3	<1.3	1.3	40.4	1.3	9954173
1,1,1,2-Tetrachloroethane	ug/m3	<0.69	0.69	<1.2	1.2	<0.69	0.69	<0.69	0.69	9954173
Vinyl Bromide	ug/m3	<0.87	0.87	<1.6	1.6	<0.87	0.87	<0.87	0.87	9954173
Propene	ug/m3	<8.6	8.6	<5.7	5.7	<0.86	0.86	11.7	0.86	9954173
2,2,4-Trimethylpentane	ug/m3	<0.93	0.93	<7.5	7.5	<0.93	0.93	<16	16	9954173
Carbon Disulfide	ug/m3	<1.6	1.6	<2.8	2.8	<1.6	1.6	9.7	1.6	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	**VP14-1**	**RDL**	**VP14-10**	**RDL**	**TRIP BLANK**	**RDL**	**QC-01**	**RDL**	**QC Batch**
Vinyl Acetate	ug/m3	<0.70	0.70	<1.3	1.3	<0.70	0.70	<0.70	0.70	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANIC HYDROCARBONS BY GC/MS (AIR)

Bureau Veritas ID		ASDW19	ASDW20	ASDW21		ASDW22		ASDW23		ASDW24		
Sampling Date		2025/06/17	2025/06/17	2025/06/17		2025/06/18		2025/06/18		2025/06/18		
COC Number		57714	57714	57714		57714		57714		57714		
	UNITS	VP12-2	VP12-1	VP12-3	RDL	VP14-4	RDL	VP07-1	RDL	VP07-3	RDL	QC Batch
Volatile Organics												
Aliphatic >C5-C6	ug/m3	10.1	<5.0	<5.0	5.0	<50	50	<5.0	5.0	<10	10	9959526
Aliphatic >C6-C8	ug/m3	97.0	70.8	58.7	5.0	<50	50	15.8	5.0	44	10	9959526
Aliphatic >C8-C10	ug/m3	42.4	45.7	37.0	5.0	<50	50	10.6	5.0	38	10	9959526
Aliphatic >C10-C12	ug/m3	37.3	49.9	36.0	5.0	<50	50	24.8	5.0	21	10	9959526
Aliphatic >C12-C16	ug/m3	<5.0	<5.0	<5.0	5.0	<50	50	<5.0	5.0	<10	10	9959526
Aromatic >C7-C8 (TEX Excluded)	ug/m3	<5.0	<5.0	<5.0	5.0	<50	50	<5.0	5.0	<10	10	9959526
Aromatic >C8-C10	ug/m3	26.2	24.4	23.9	5.0	<50	50	9.5	5.0	11	10	9959526
Aromatic >C10-C12	ug/m3	15.5	14.0	14.8	5.0	<50	50	6.2	5.0	<10	10	9959526
Aromatic >C12-C16	ug/m3	<5.0	<5.0	<5.0	5.0	<50	50	<5.0	5.0	<10	10	9959526

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ASDW25			ASDW26	ASDW27		ASDW28		ASDW29		
Sampling Date		2025/06/18			2025/06/18	2025/06/18		2025/06/18		2025/06/17		
COC Number		57714			57714	57714		57714		57714		
	UNITS	VP14-7	RDL	QC Batch	VP14-2	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC Batch
Volatile Organics												
Aliphatic >C5-C6	ug/m3	<10	10	9959526	17.3	5.4	5.0	29.0	9.0	<5.0	5.0	9961801
Aliphatic >C6-C8	ug/m3	45	10	9959526	42.1	17.7	5.0	45.3	9.0	<5.0	5.0	9961801
Aliphatic >C8-C10	ug/m3	34	10	9959526	<5.0	<5.0	5.0	32.2	9.0	<5.0	5.0	9961801
Aliphatic >C10-C12	ug/m3	39	10	9959526	5.4	5.4	5.0	81.2	9.0	<5.0	5.0	9961801
Aliphatic >C12-C16	ug/m3	<10	10	9959526	<5.0	<5.0	5.0	<9.0	9.0	<5.0	5.0	9961801
Aromatic >C7-C8 (TEX Excluded)	ug/m3	<10	10	9959526	<5.0	<5.0	5.0	<9.0	9.0	<5.0	5.0	9961801
Aromatic >C8-C10	ug/m3	19	10	9959526	9.9	8.4	5.0	21.8	9.0	<5.0	5.0	9961801
Aromatic >C10-C12	ug/m3	12	10	9959526	5.3	<5.0	5.0	14.8	9.0	<5.0	5.0	9961801
Aromatic >C12-C16	ug/m3	<10	10	9959526	<5.0	<5.0	5.0	<9.0	9.0	<5.0	5.0	9961801

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VOLATILE ORGANIC HYDROCARBONS BY GC/MS (AIR)

Bureau Veritas ID		ASDW30		
Sampling Date		2025/06/17		
COC Number		57714		
	UNITS	QC-01	RDL	QC Batch
Volatile Organics				
Aliphatic >C5-C6	ug/m3	6.7	5.0	9961801
Aliphatic >C6-C8	ug/m3	98.8	5.0	9961801
Aliphatic >C8-C10	ug/m3	48.8	5.0	9961801
Aliphatic >C10-C12	ug/m3	81.4	5.0	9961801
Aliphatic >C12-C16	ug/m3	<5.0	5.0	9961801
Aromatic >C7-C8 (TEX Excluded)	ug/m3	<5.0	5.0	9961801
Aromatic >C8-C10	ug/m3	36.7	5.0	9961801
Aromatic >C10-C12	ug/m3	23.7	5.0	9961801
Aromatic >C12-C16	ug/m3	<5.0	5.0	9961801

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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TEST SUMMARY

Bureau Veritas ID: ASDW19 **Collected:** 2025/06/17
Sample ID: VP12-2 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/26	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW20 **Collected:** 2025/06/17
Sample ID: VP12-1 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/26	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW21 **Collected:** 2025/06/17
Sample ID: VP12-3 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/26	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW22 **Collected:** 2025/06/18
Sample ID: VP14-4 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/25	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW23 **Collected:** 2025/06/18
Sample ID: VP07-1 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/26	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

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TEST SUMMARY

Bureau Veritas ID: ASDW24
Sample ID: VP07-3
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/25	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW25
Sample ID: VP14-7
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/25	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW26
Sample ID: VP14-2
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

Bureau Veritas ID: ASDW27
Sample ID: VP14-1
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/07/02	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

Bureau Veritas ID: ASDW28
Sample ID: VP14-10
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/07/02	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

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TEST SUMMARY

Bureau Veritas ID: ASDW29
Sample ID: TRIP BLANK
Matrix: Air

Collected: 2025/06/17
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/07/02	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

Bureau Veritas ID: ASDW30
Sample ID: QC-01
Matrix: Air

Collected: 2025/06/17
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/07/02	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

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GENERAL COMMENTS

7/7/25- report amended. Aliphatic and aromatic fractions added.

Sample ASDW19 [VP12-2] : Cis-1,2-dichloroethylene was analyzed at a 2.5X dilution. The DL was adjusted accordingly.
Increased DL for hexane and 2,2,4-trimethylpentane due to interference.

Sample ASDW20 [VP12-1] : Increased DL for hexane and 2,2,4-trimethylpentane due to interference.

Sample ASDW21 [VP12-3] : Increased DL for hexane and 2,2,4-trimethylpentane due to interference.

Sample ASDW22 [VP14-4] : Sample was analyzed at a 10X dilution. The DL's were adjusted accordingly.
Increased DL for propene due to interference from propane.

Sample ASDW23 [VP07-1] : Increased DL for propene due to interference from propane.
Increased DL for hexane, 2-butanone, and 2,2,4-trimethylpentane due to interference.

Sample ASDW24 [VP07-3] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.
Increased DL for hexane, 2-butanone, and 2,2,4-trimethylpentane due to interference.

Sample ASDW25 [VP14-7] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.
Increased DL for propene due to interference from propane.
Increased DL for hexane, 2-butanone, and 2,2,4-trimethylpentane due to interference.

Sample ASDW26 [VP14-2] : Ethanol was analyzed at a 2X dilution. The DL was adjusted accordingly.
Increased DL for propene and 2-propanol due to interference.

Sample ASDW27 [VP14-1] : Ethanol was analyzed at a 4X dilution. The DL was adjusted accordingly.
Increased DL for propene due to interference.

Sample ASDW28 [VP14-10] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.
Increased DL for propene and 2,2,4-trimethylpentane due to interference.

Sample ASDW30 [QC-01] : Cis-1,2-dichloroethylene was analyzed at a 4X dilution. The DL was adjusted accordingly.
Increased DL for hexane and 2,2,4-trimethylpentane due to interference.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9957683	Bromochloromethane	2025/06/25	105	60 - 140	82	%		
9957683	D5-Chlorobenzene	2025/06/25	97	60 - 140	76	%		
9957683	Difluorobenzene	2025/06/25	106	60 - 140	81	%		
9960385	Bromochloromethane	2025/06/30	112	60 - 140	117	%		
9960385	D5-Chlorobenzene	2025/06/30	105	60 - 140	102	%		
9960385	Difluorobenzene	2025/06/30	108	60 - 140	116	%		
9954173	1,1,1-Trichloroethane	2025/07/03					NC	25
9954173	1,1,2,2-Tetrachloroethane	2025/07/03					NC	25
9954173	1,1,2-Trichloroethane	2025/07/03					NC	25
9954173	1,1-Dichloroethane	2025/07/03					NC	25
9954173	1,1-Dichloroethylene	2025/07/03					NC	25
9954173	1,2,4-Trichlorobenzene	2025/07/03					NC	25
9954173	1,2,4-Trimethylbenzene	2025/07/03					NC	25
9954173	1,2-Dichlorobenzene	2025/07/03					NC	25
9954173	1,2-Dichloroethane	2025/07/03					NC	25
9954173	1,2-Dichloropropane	2025/07/03					NC	25
9954173	1,3,5-Trimethylbenzene	2025/07/03					NC	25
9954173	1,3-Butadiene	2025/07/03					NC	25
9954173	2-Propanone	2025/07/03					11	25
9954173	Benzene	2025/06/25					0.65	25
9954173	Bromobenzene	2025/07/03					NC	25
9954173	Bromodichloromethane	2025/07/03					NC	25
9954173	Bromomethane	2025/07/03					NC	25
9954173	Carbon Disulfide	2025/07/03					12	25
9954173	Carbon Tetrachloride	2025/07/03					NC	25
9954173	Chlorobenzene	2025/07/03					NC	25
9954173	Chloroethane	2025/07/03					NC	25
9954173	Chloroform	2025/07/03					5.3	25
9954173	cis-1,2-Dichloroethylene	2025/07/03					4.1	25
9954173	Dichlorodifluoromethane (FREON 12)	2025/07/03					0.45	25
9954173	Ethyl Acetate	2025/07/03					NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9954173	Ethylbenzene	2025/07/03					NC	25
9954173	Ethylene Dibromide	2025/07/03					NC	25
9954173	Hexane	2025/07/03					NC	25
9954173	Methyl Ethyl Ketone (2-Butanone)	2025/07/03					4.4	25
9954173	Methyl Isobutyl Ketone	2025/07/03					NC	25
9954173	Methyl t-butyl ether (MTBE)	2025/07/03					NC	25
9954173	Methylene Chloride(Dichloromethane)	2025/07/03					4.0	25
9954173	Naphthalene	2025/07/03					NC	25
9954173	o-Xylene	2025/07/03					NC	25
9954173	p+m-Xylene	2025/07/03					NC	25
9954173	Styrene	2025/07/03					NC	25
9954173	Tetrachloroethylene	2025/07/03					4.2	25
9954173	Toluene	2025/07/03					1.1	25
9954173	Total Xylenes	2025/07/03					NC	25
9954173	trans-1,2-Dichloroethylene	2025/07/03					NC	25
9954173	Trichloroethylene	2025/07/03					6.0	25
9954173	Trichlorotrifluoroethane	2025/07/03					NC	25
9954173	Vinyl Chloride	2025/07/03					NC	25
9957683	1,1,1,2-Tetrachloroethane	2025/06/25	102	70 - 130	<0.10	ppbv		
9957683	1,1,1-Trichloroethane	2025/06/25	94	70 - 130	<0.10	ppbv		
9957683	1,1,2,2-Tetrachloroethane	2025/06/25	99	70 - 130	<0.10	ppbv		
9957683	1,1,2-Trichloroethane	2025/06/25	96	70 - 130	<0.10	ppbv		
9957683	1,1-Dichloroethane	2025/06/25	106	70 - 130	<0.10	ppbv		
9957683	1,1-Dichloroethylene	2025/06/25	101	70 - 130	<0.10	ppbv		
9957683	1,2,4-Trichlorobenzene	2025/06/25	89	70 - 130	<0.50	ppbv		
9957683	1,2,4-Trimethylbenzene	2025/06/25	98	70 - 130	<0.50	ppbv		
9957683	1,2-Dichlorobenzene	2025/06/25	95	70 - 130	<0.10	ppbv		
9957683	1,2-Dichloroethane	2025/06/25	103	70 - 130	<0.10	ppbv		
9957683	1,2-Dichloropropane	2025/06/25	105	70 - 130	<0.10	ppbv		
9957683	1,2-Dichlorotetrafluoroethane	2025/06/25	98	70 - 130	<0.17	ppbv		
9957683	1,3,5-Trimethylbenzene	2025/06/25	97	70 - 130	<0.50	ppbv		

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9957683	1,3-Butadiene	2025/06/25	116	70 - 130	<0.50	ppbv		
9957683	1,3-Dichlorobenzene	2025/06/25	91	70 - 130	<0.40	ppbv		
9957683	1,4-Dichlorobenzene	2025/06/25	91	70 - 130	<0.10	ppbv		
9957683	1,4-Dioxane	2025/06/25	97	70 - 130	<1.0	ppbv		
9957683	2,2,4-Trimethylpentane	2025/06/25	116	70 - 130	<0.20	ppbv		
9957683	2-propanol	2025/06/25	109	70 - 130	<1.0	ppbv		
9957683	2-Propanone	2025/06/25	98	70 - 130	<0.60	ppbv		
9957683	4-ethyltoluene	2025/06/25	101	70 - 130	<0.50	ppbv		
9957683	Benzene	2025/06/25	98	70 - 130	<0.10	ppbv		
9957683	Benzyl chloride	2025/06/25	108	70 - 130	<0.50	ppbv		
9957683	Bromodichloromethane	2025/06/25	109	70 - 130	<0.20	ppbv		
9957683	Bromoform	2025/06/25	96	70 - 130	<0.20	ppbv		
9957683	Bromomethane	2025/06/25	86	70 - 130	<0.10	ppbv		
9957683	Carbon Disulfide	2025/06/25	104	70 - 130	<0.50	ppbv		
9957683	Carbon Tetrachloride	2025/06/25	98	70 - 130	<0.10	ppbv		
9957683	Chlorobenzene	2025/06/25	93	70 - 130	<0.10	ppbv		
9957683	Chloroethane	2025/06/25	104	70 - 130	<0.30	ppbv		
9957683	Chloroform	2025/06/25	99	70 - 130	<0.10	ppbv		
9957683	Chloromethane	2025/06/25	106	70 - 130	<0.30	ppbv		
9957683	cis-1,2-Dichloroethylene	2025/06/25	102	70 - 130	<0.10	ppbv		
9957683	cis-1,3-Dichloropropene	2025/06/25	100	70 - 130	<0.10	ppbv		
9957683	Cyclohexane	2025/06/25	108	70 - 130	<0.20	ppbv		
9957683	Dibromochloromethane	2025/06/25	104	70 - 130	<0.20	ppbv		
9957683	Dichlorodifluoromethane (FREON 12)	2025/06/25	96	70 - 130	<0.20	ppbv		
9957683	Ethanol (ethyl alcohol)	2025/06/25	70	70 - 130	<1.0	ppbv		
9957683	Ethyl Acetate	2025/06/25	110	70 - 130	<1.0	ppbv		
9957683	Ethylbenzene	2025/06/25	97	70 - 130	<0.10	ppbv		
9957683	Ethylene Dibromide	2025/06/25	95	70 - 130	<0.10	ppbv		
9957683	Heptane	2025/06/25	114	70 - 130	<0.30	ppbv		
9957683	Hexachlorobutadiene	2025/06/25	87	70 - 130	<0.50	ppbv		
9957683	Hexane	2025/06/25	109	70 - 130	<0.20	ppbv		

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9957683	Methyl Butyl Ketone (2-Hexanone)	2025/06/25	113	70 - 130	<1.0	ppbv		
9957683	Methyl Ethyl Ketone (2-Butanone)	2025/06/25	115	70 - 130	<0.20	ppbv		
9957683	Methyl Isobutyl Ketone	2025/06/25	118	70 - 130	<0.20	ppbv		
9957683	Methyl t-butyl ether (MTBE)	2025/06/25	101	70 - 130	<0.20	ppbv		
9957683	Methylene Chloride(Dichloromethane)	2025/06/25	106	70 - 130	<0.60	ppbv		
9957683	Naphthalene	2025/06/25	86	70 - 130	<0.20	ppbv		
9957683	o-Xylene	2025/06/25	96	70 - 130	<0.10	ppbv		
9957683	p+m-Xylene	2025/06/25	97	70 - 130	<0.20	ppbv		
9957683	Propene	2025/06/25	110	70 - 130	<0.50	ppbv		
9957683	Styrene	2025/06/25	99	70 - 130	<0.10	ppbv		
9957683	Tetrachloroethylene	2025/06/25	89	70 - 130	<0.10	ppbv		
9957683	Tetrahydrofuran	2025/06/25	109	70 - 130	<0.40	ppbv		
9957683	Toluene	2025/06/25	97	70 - 130	<0.10	ppbv		
9957683	Total Xylenes	2025/06/25	97	70 - 130	<0.30	ppbv		
9957683	trans-1,2-Dichloroethylene	2025/06/25	103	70 - 130	<0.10	ppbv		
9957683	trans-1,3-Dichloropropene	2025/06/25	100	70 - 130	<0.10	ppbv		
9957683	Trichloroethylene	2025/06/25	93	70 - 130	<0.10	ppbv		
9957683	Trichlorofluoromethane (FREON 11)	2025/06/25	88	70 - 130	<0.20	ppbv		
9957683	Trichlorotrifluoroethane	2025/06/25	96	70 - 130	<0.15	ppbv		
9957683	Vinyl Acetate	2025/06/25	114	70 - 130	<0.20	ppbv		
9957683	Vinyl Bromide	2025/06/25	115	70 - 130	<0.20	ppbv		
9957683	Vinyl Chloride	2025/06/25	99	70 - 130	<0.10	ppbv		
9959526	Aliphatic >C10-C12	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aliphatic >C12-C16	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aliphatic >C5-C6	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aliphatic >C6-C8	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aliphatic >C8-C10	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aromatic >C10-C12	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aromatic >C12-C16	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aromatic >C7-C8 (TEX Excluded)	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aromatic >C8-C10	2025/06/25			<5.0	ug/m3	NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9960385	1,1,1,2-Tetrachloroethane	2025/06/30	115	70 - 130	<0.10	ppbv		
9960385	1,1,1-Trichloroethane	2025/06/30	99	70 - 130	<0.10	ppbv		
9960385	1,1,2,2-Tetrachloroethane	2025/06/30	99	70 - 130	<0.10	ppbv		
9960385	1,1,2-Trichloroethane	2025/06/30	100	70 - 130	<0.10	ppbv		
9960385	1,1-Dichloroethane	2025/06/30	96	70 - 130	<0.10	ppbv		
9960385	1,1-Dichloroethylene	2025/06/30	90	70 - 130	<0.10	ppbv		
9960385	1,2,4-Trichlorobenzene	2025/06/30	121	70 - 130	<0.50	ppbv		
9960385	1,2,4-Trimethylbenzene	2025/06/30	102	70 - 130	<0.50	ppbv		
9960385	1,2-Dichlorobenzene	2025/06/30	102	70 - 130	<0.10	ppbv		
9960385	1,2-Dichloroethane	2025/06/30	103	70 - 130	<0.10	ppbv		
9960385	1,2-Dichloropropane	2025/06/30	101	70 - 130	<0.10	ppbv		
9960385	1,2-Dichlorotetrafluoroethane	2025/06/30	98	70 - 130	<0.17	ppbv		
9960385	1,3,5-Trimethylbenzene	2025/06/30	99	70 - 130	<0.50	ppbv		
9960385	1,3-Butadiene	2025/06/30	99	70 - 130	<0.50	ppbv		
9960385	1,3-Dichlorobenzene	2025/06/30	103	70 - 130	<0.40	ppbv		
9960385	1,4-Dichlorobenzene	2025/06/30	104	70 - 130	<0.10	ppbv		
9960385	1,4-Dioxane	2025/06/30	102	70 - 130	<1.0	ppbv		
9960385	2,2,4-Trimethylpentane	2025/06/30	103	70 - 130	<0.20	ppbv		
9960385	2-propanol	2025/06/30	100	70 - 130	<1.0	ppbv		
9960385	2-Propanone	2025/06/30	97	70 - 130	<0.60	ppbv		
9960385	4-ethyltoluene	2025/06/30	99	70 - 130	<0.50	ppbv		
9960385	Benzene	2025/06/30	98	70 - 130	<0.10	ppbv		
9960385	Benzyl chloride	2025/06/30	117	70 - 130	<0.50	ppbv		
9960385	Bromodichloromethane	2025/06/30	112	70 - 130	<0.20	ppbv		
9960385	Bromoform	2025/06/30	111	70 - 130	<0.20	ppbv		
9960385	Bromomethane	2025/06/30	91	70 - 130	<0.10	ppbv		
9960385	Carbon Disulfide	2025/06/30	104	70 - 130	<0.50	ppbv		
9960385	Carbon Tetrachloride	2025/06/30	113	70 - 130	<0.10	ppbv		
9960385	Chlorobenzene	2025/06/30	99	70 - 130	<0.10	ppbv		
9960385	Chloroethane	2025/06/30	94	70 - 130	<0.30	ppbv		
9960385	Chloroform	2025/06/30	99	70 - 130	<0.10	ppbv		

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9960385	Chloromethane	2025/06/30	96	70 - 130	<0.30	ppbv		
9960385	cis-1,2-Dichloroethylene	2025/06/30	98	70 - 130	<0.10	ppbv		
9960385	cis-1,3-Dichloropropene	2025/06/30	104	70 - 130	<0.10	ppbv		
9960385	Cyclohexane	2025/06/30	102	70 - 130	<0.20	ppbv		
9960385	Dibromochloromethane	2025/06/30	115	70 - 130	<0.20	ppbv		
9960385	Dichlorodifluoromethane (FREON 12)	2025/06/30	95	70 - 130	<0.20	ppbv		
9960385	Ethanol (ethyl alcohol)	2025/06/30	62 (1)	70 - 130	<1.0	ppbv		
9960385	Ethyl Acetate	2025/06/30	99	70 - 130	<1.0	ppbv		
9960385	Ethylbenzene	2025/06/30	101	70 - 130	<0.10	ppbv		
9960385	Ethylene Dibromide	2025/06/30	103	70 - 130	<0.10	ppbv		
9960385	Heptane	2025/06/30	101	70 - 130	<0.30	ppbv		
9960385	Hexachlorobutadiene	2025/06/30	101	70 - 130	<0.50	ppbv		
9960385	Hexane	2025/06/30	97	70 - 130	<0.20	ppbv		
9960385	Methyl Butyl Ketone (2-Hexanone)	2025/06/30	113	70 - 130	<1.0	ppbv		
9960385	Methyl Ethyl Ketone (2-Butanone)	2025/06/30	99	70 - 130	<0.20	ppbv		
9960385	Methyl Isobutyl Ketone	2025/06/30	107	70 - 130	<0.20	ppbv		
9960385	Methyl t-butyl ether (MTBE)	2025/06/30	99	70 - 130	<0.20	ppbv		
9960385	Methylene Chloride(Dichloromethane)	2025/06/30	97	70 - 130	<0.60	ppbv		
9960385	Naphthalene	2025/06/30	118	70 - 130	<0.20	ppbv		
9960385	o-Xylene	2025/06/30	97	70 - 130	<0.10	ppbv		
9960385	p+m-Xylene	2025/06/30	101	70 - 130	<0.20	ppbv		
9960385	Propene	2025/06/30	98	70 - 130	<0.50	ppbv		
9960385	Styrene	2025/06/30	104	70 - 130	<0.10	ppbv		
9960385	Tetrachloroethylene	2025/06/30	101	70 - 130	<0.10	ppbv		
9960385	Tetrahydrofuran	2025/06/30	97	70 - 130	<0.40	ppbv		
9960385	Toluene	2025/06/30	99	70 - 130	<0.10	ppbv		
9960385	Total Xylenes	2025/06/30	100	70 - 130	<0.30	ppbv		
9960385	trans-1,2-Dichloroethylene	2025/06/30	97	70 - 130	<0.10	ppbv		
9960385	trans-1,3-Dichloropropene	2025/06/30	110	70 - 130	<0.10	ppbv		
9960385	Trichloroethylene	2025/06/30	102	70 - 130	<0.10	ppbv		
9960385	Trichlorofluoromethane (FREON 11)	2025/06/30	101	70 - 130	<0.20	ppbv		

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			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9960385	Trichlorotrifluoroethane	2025/06/30	87	70 - 130	<0.15	ppbv		
9960385	Vinyl Acetate	2025/06/30	105	70 - 130	<0.20	ppbv		
9960385	Vinyl Bromide	2025/06/30	113	70 - 130	<0.20	ppbv		
9960385	Vinyl Chloride	2025/06/30	93	70 - 130	<0.10	ppbv		
9961801	Aliphatic >C10-C12	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aliphatic >C12-C16	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aliphatic >C5-C6	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aliphatic >C6-C8	2025/06/30			<5.0	ug/m3	16	25
9961801	Aliphatic >C8-C10	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aromatic >C10-C12	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aromatic >C12-C16	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aromatic >C7-C8 (TEX Excluded)	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aromatic >C8-C10	2025/06/30			<5.0	ug/m3	NC	25

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

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 (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).

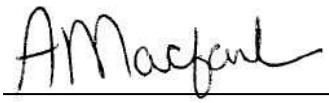
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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VALIDATION SIGNATURE PAGE

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



Anke Macfarlane, Laboratory Manager, VOC

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 Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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CAM FCD-01302 /5

Chain of Custody Form - Summa™ Canister

57714

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Received in Ottawa

INVOICE INFORMATION	REPORT INFORMATION
Company Name: STANTEC	Company Name: STANTEC
Contact Name: DYLAN HEMMINGS	Project Manager: DYLAN HEMMINGS
Address: 300 1331 CLYDE AVE	Address: 300 1331 CLYDE AVE OTTAWA, ON
E-mail:	E-mail:
Ph:	Ph:
Sampled by: TREVOR SAUNDERS	

ANALYSIS REQUESTED

Field Sample ID	Canister Serial #	Flow Regulator Serial #	Collection Date	START VACUUM (inches of Hg)	END VACUUM (inches of Hg)	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBIENT/COMMERCIAL/INDUSTRIAL	SUB-SLAB GAS	FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	Other	CANISTERS NOT USED
VP12-2	SX2217	FX1668	6/17/25	-29	-7	X				X	X				
VP12-1	SX1805	FX1707	"	-28	-5	X				X	X				
VP12-3	SX1199	FX0731	"	-28.5	-6	X				X	X				
VP14-4	SX1984	FX1694	6/18/25	-30	-14.5	X				X	X				
VP07-1	SX1630	FX0185	"	-28.5	-8.5	X				X	X				
VP07-3	SX1779	FX1384	"	-29	-14.5	X				X	X				
VP14-7	SX1177	FX1647	"	-29	-14	X				X	X				
VP14-2	SX1737	FX1642	"	-30	-9	X				X	X				
VP14-1	SX1775	FX0067	"	-29.5	-8.5	X				X	X				
VP14-10	SX1587	FX0049	"	-29.5	-13	X				X	X				
TRIP BLANK	SX2436	—								X	X				
QC-01	SX1782	FX1160	6/17/25	-29	-7	X				X	X				

20-Jun-25 10:00
Cristina (Maria) Bacchus
C573470
AKP AIR-001

TAT Requirement

- STD 10 Business day [X]
- Rush 5 Business day * [ ]
- Rush 2 Business day * [ ]
- Rush Other * [ ]

* need approval from Bureau Veritas

PROJECT INFORMATION

Project #: 122170424.302
Name:
PO #:
Bureau Veritas Quote #:
Bureau Veritas Contact:
Task Order/Line Item

REPORTING REQUIREMENTS

- EDD [ ]
- Regulations: ON 153 [ ], ON 419 [ ], BC CSR [ ]
- Other

Notes

1) please indicate on chain of custody if your samples are soil vapour or ambient air
2) please list all canisters on the chain of custody even if unused

PROJECT SPECIFIC COMMENTS

Client Signature: TREVOR SAUNDERS
Date/Time: 6/19/25

Received by: Pedro da Silva
Date/Time: 2025/06/19 11:10

PLEASE RETURN ALL UNUSED EQUIPMENT

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at https://www.bvna.com/coc-terms-and-conditions

COC-1003 (06/21)

Noelle RICKARTER 2025/06/20 10:00

Your Project #: 122170424.302
Your C.O.C. #: 57714

Attention: Dylan Hemmings

Stantec Consulting Ltd
300 Hagey Blvd
Suite 100
Waterloo, ON
CANADA N2L 0A4

Report Date: 2025/07/07
Report #: R8570580
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C573470
Received: 2025/06/20, 10:00

Sample Matrix: Air
Samples Received: 12

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
BTEX Fractionation in Air (TO-15mod)	3	N/A	2025/06/25	BRL SOP-00304	EPA TO-15 m
BTEX Fractionation in Air (TO-15mod)	4	N/A	2025/06/26	BRL SOP-00304	EPA TO-15 m
BTEX Fractionation in Air (TO-15mod)	5	N/A	2025/06/30	BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	7	N/A	2025/06/25	BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	5	N/A	2025/06/30	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (ug/m3)	8	N/A	2025/06/27	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (ug/m3)	4	N/A	2025/07/02	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	7	N/A	2025/06/25	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	5	N/A	2025/06/30	BRL SOP-00304	EPA TO-15 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) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected

Your Project #: 122170424.302
Your C.O.C. #: 57714

Attention: Dylan Hemmings

Stantec Consulting Ltd
300 Hagey Blvd
Suite 100
Waterloo, ON
CANADA N2L 0A4

Report Date: 2025/07/07
Report #: R8570580
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C573470

Received: 2025/06/20, 10:00

and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.

Encryption Key

Julian Tong
Project Manager Assistant
07 Jul 2025 11:59:48

Please direct all questions regarding this Certificate of Analysis to:
Cristina (Maria) Bacchus, Project Manager
Email: maria.bacchus@bureauveritas.com
Phone# (905)817-5763

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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 Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C573470
Report Date: 2025/07/07

Stantec Consulting Ltd
Client Project #: 122170424.302
Sampler Initials: TS

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASDW19	ASDW20	ASDW21	ASDW22	ASDW23	ASDW24	ASDW25	
Sampling Date		2025/06/17	2025/06/17	2025/06/17	2025/06/18	2025/06/18	2025/06/18	2025/06/18	
COC Number		57714	57714	57714	57714	57714	57714	57714	
	UNITS	VP12-2	VP12-1	VP12-3	VP14-4	VP07-1	VP07-3	VP14-7	QC Batch
Volatile Organics									
Pressure on Receipt	psig	(-3.2)	(-4.6)	(-3.4)	(-7.3)	(-3.9)	(-7.2)	(-6.8)	9957681
QC Batch = Quality Control Batch									

Bureau Veritas ID		ASDW26	ASDW27	ASDW28	ASDW29	ASDW30	
Sampling Date		2025/06/18	2025/06/18	2025/06/18	2025/06/17	2025/06/17	
COC Number		57714	57714	57714	57714	57714	
	UNITS	VP14-2	VP14-1	VP14-10	TRIP BLANK	QC-01	QC Batch
Volatile Organics							
Pressure on Receipt	psig	(-4.4)	(-4.1)	(-6.2)	(-14.3)	(-3.5)	9961274
QC Batch = Quality Control Batch							

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Volatile Organics										
Dichlorodifluoromethane (FREON 12)	ppbv	0.53	0.20	0.51	0.20	0.48	0.20	<2.0	2.0	9957683
1,2-Dichlorotetrafluoroethane	ppbv	<0.17	0.17	<0.17	0.17	<0.17	0.17	<1.7	1.7	9957683
Chloromethane	ppbv	0.54	0.30	0.36	0.30	<0.30	0.30	<3.0	3.0	9957683
Vinyl Chloride	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Chloroethane	ppbv	<0.30	0.30	<0.30	0.30	<0.30	0.30	<3.0	3.0	9957683
1,3-Butadiene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
Trichlorofluoromethane (FREON 11)	ppbv	0.39	0.20	0.22	0.20	0.23	0.20	<2.0	2.0	9957683
Ethanol (ethyl alcohol)	ppbv	3.8	1.0	2.3	1.0	1.8	1.0	<10	10	9957683
Trichlorotrifluoroethane	ppbv	<0.15	0.15	<0.15	0.15	<0.15	0.15	2.0	1.5	9957683
2-propanol	ppbv	2.0	1.0	1.1	1.0	<1.0	1.0	<10	10	9957683
2-Propanone	ppbv	39.8	0.60	18.5	0.60	16.6	0.60	12.5	6.0	9957683
Methyl Ethyl Ketone (2-Butanone)	ppbv	3.68	0.20	2.31	0.20	1.52	0.20	<2.0	2.0	9957683
Methyl Isobutyl Ketone	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Methyl Butyl Ketone (2-Hexanone)	ppbv	<1.0	1.0	<1.0	1.0	<1.0	1.0	<10	10	9957683
Methyl t-butyl ether (MTBE)	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Ethyl Acetate	ppbv	<1.0	1.0	<1.0	1.0	<1.0	1.0	<10	10	9957683
1,1-Dichloroethylene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
cis-1,2-Dichloroethylene	ppbv	177	0.25	12.4	0.10	61.9	0.10	2.8	1.0	9957683
trans-1,2-Dichloroethylene	ppbv	42.2	0.10	0.86	0.10	2.06	0.10	<1.0	1.0	9957683
Methylene Chloride(Dichloromethane)	ppbv	<0.60	0.60	<0.60	0.60	<0.60	0.60	<6.0	6.0	9957683
Chloroform	ppbv	2.92	0.10	0.20	0.10	0.38	0.10	3.5	1.0	9957683
Carbon Tetrachloride	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	2.0	1.0	9957683
1,1-Dichloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,2-Dichloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Ethylene Dibromide	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,1,1-Trichloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,1,2-Trichloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,1,2,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
cis-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
trans-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,2-Dichloropropane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Bromomethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Bromoform	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Bromodichloromethane	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Dibromochloromethane	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Trichloroethylene	ppbv	21.1	0.10	4.76	0.10	14.8	0.10	8.3	1.0	9957683
Tetrachloroethylene	ppbv	<0.10	0.10	<0.10	0.10	0.50	0.10	20.8	1.0	9957683
Benzene	ppbv	0.71	0.10	0.52	0.10	0.39	0.10	<1.0	1.0	9957683
Toluene	ppbv	11.2	0.10	10.4	0.10	10.3	0.10	2.2	1.0	9957683
Ethylbenzene	ppbv	1.61	0.10	1.60	0.10	1.54	0.10	<1.0	1.0	9957683
p+m-Xylene	ppbv	4.63	0.20	4.57	0.20	4.50	0.20	<2.0	2.0	9957683
o-Xylene	ppbv	2.25	0.10	2.17	0.10	2.12	0.10	<1.0	1.0	9957683
Styrene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
4-ethyltoluene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
1,3,5-Trimethylbenzene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
1,2,4-Trimethylbenzene	ppbv	1.63	0.50	1.47	0.50	1.58	0.50	<5.0	5.0	9957683
Chlorobenzene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Benzyl chloride	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
1,3-Dichlorobenzene	ppbv	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9957683
1,4-Dichlorobenzene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,2-Dichlorobenzene	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
1,2,4-Trichlorobenzene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
Hexachlorobutadiene	ppbv	<0.50	0.50	<0.50	0.50	<0.50	0.50	<5.0	5.0	9957683
Hexane	ppbv	<5.0	5.0	<2.5	2.5	<2.5	2.5	<2.0	2.0	9957683
Heptane	ppbv	0.58	0.30	0.53	0.30	0.45	0.30	<3.0	3.0	9957683
Cyclohexane	ppbv	0.39	0.20	0.28	0.20	0.20	0.20	<2.0	2.0	9957683
Tetrahydrofuran	ppbv	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9957683
1,4-Dioxane	ppbv	<1.0	1.0	<1.0	1.0	<1.0	1.0	<10	10	9957683
Naphthalene	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Total Xylenes	ppbv	6.88	0.30	6.75	0.30	6.62	0.30	<3.0	3.0	9957683
1,1,1,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.10	0.10	<0.10	0.10	<1.0	1.0	9957683
Vinyl Bromide	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Propene	ppbv	5.99	0.50	2.65	0.50	1.55	0.50	<1500	1500	9957683
2,2,4-Trimethylpentane	ppbv	<3.5	3.5	<2.5	2.5	<2.0	2.0	<2.0	2.0	9957683
Carbon Disulfide	ppbv	1.60	0.50	1.85	0.50	1.70	0.50	<5.0	5.0	9957683

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Vinyl Acetate	ppbv	<0.20	0.20	<0.20	0.20	<0.20	0.20	<2.0	2.0	9957683
Surrogate Recovery (%)										
Bromochloromethane	%	82		78		80		82		9957683
D5-Chlorobenzene	%	80		73		79		78		9957683
Difluorobenzene	%	81		77		80		81		9957683

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25			ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18			2025/06/18		
COC Number		57714		57714		57714			57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	QC Batch	VP14-2	RDL	QC Batch
Volatile Organics											
Dichlorodifluoromethane (FREON 12)	ppbv	0.52	0.20	0.53	0.40	1.64	0.40	9957683	0.55	0.20	9960385
1,2-Dichlorotetrafluoroethane	ppbv	<0.17	0.17	<0.34	0.34	<0.34	0.34	9957683	<0.17	0.17	9960385
Chloromethane	ppbv	0.32	0.30	<0.60	0.60	<0.60	0.60	9957683	0.31	0.30	9960385
Vinyl Chloride	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	0.38	0.10	9960385
Chloroethane	ppbv	<0.30	0.30	<0.60	0.60	<0.60	0.60	9957683	<0.30	0.30	9960385
1,3-Butadiene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
Trichlorofluoromethane (FREON 11)	ppbv	0.21	0.20	<0.40	0.40	3.01	0.40	9957683	0.28	0.20	9960385
Ethanol (ethyl alcohol)	ppbv	1.8	1.0	3.0	2.0	<2.0	2.0	9957683	160	2.0	9960385
Trichlorotrifluoroethane	ppbv	<0.15	0.15	<0.30	0.30	<0.30	0.30	9957683	0.19	0.15	9960385
2-propanol	ppbv	<1.0	1.0	<2.0	2.0	2.4	2.0	9957683	<35	35	9960385
2-Propanone	ppbv	6.23	0.60	16.1	1.2	15.1	1.2	9957683	15.9	0.60	9960385
Methyl Ethyl Ketone (2-Butanone)	ppbv	<0.60	0.60	<2.5	2.5	<2.0	2.0	9957683	1.40	0.20	9960385
Methyl Isobutyl Ketone	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Methyl Butyl Ketone (2-Hexanone)	ppbv	<1.0	1.0	<2.0	2.0	<2.0	2.0	9957683	<1.0	1.0	9960385
Methyl t-butyl ether (MTBE)	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Ethyl Acetate	ppbv	<1.0	1.0	<2.0	2.0	<2.0	2.0	9957683	1.2	1.0	9960385
1,1-Dichloroethylene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
cis-1,2-Dichloroethylene	ppbv	0.54	0.10	12.2	0.20	10.2	0.20	9957683	<0.10	0.10	9960385
trans-1,2-Dichloroethylene	ppbv	0.11	0.10	0.98	0.20	1.34	0.20	9957683	<0.10	0.10	9960385
Methylene Chloride(Dichloromethane)	ppbv	<0.60	0.60	<1.2	1.2	<1.2	1.2	9957683	2.03	0.60	9960385
Chloroform	ppbv	0.65	0.10	0.33	0.20	0.34	0.20	9957683	0.14	0.10	9960385
Carbon Tetrachloride	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,1-Dichloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,2-Dichloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	0.13	0.10	9960385
Ethylene Dibromide	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,1,1-Trichloroethane	ppbv	<0.10	0.10	0.29	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,1,2-Trichloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,1,2,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
cis-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
trans-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,2-Dichloropropane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
Bromomethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25			ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18			2025/06/18		
COC Number		57714		57714		57714			57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	QC Batch	VP14-2	RDL	QC Batch
Bromoform	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Bromodichloromethane	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Dibromochloromethane	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Trichloroethylene	ppbv	2.90	0.10	8.92	0.20	22.5	0.20	9957683	<0.10	0.10	9960385
Tetrachloroethylene	ppbv	2.36	0.10	2.04	0.20	3.07	0.20	9957683	0.20	0.10	9960385
Benzene	ppbv	0.15	0.10	0.28	0.20	0.35	0.20	9957683	1.97	0.10	9960385
Toluene	ppbv	2.23	0.10	3.12	0.20	4.18	0.20	9957683	21.8	0.10	9960385
Ethylbenzene	ppbv	0.49	0.10	0.58	0.20	0.96	0.20	9957683	0.48	0.10	9960385
p+m-Xylene	ppbv	1.39	0.20	1.72	0.40	2.82	0.40	9957683	1.82	0.20	9960385
o-Xylene	ppbv	0.79	0.10	0.98	0.20	1.65	0.20	9957683	0.59	0.10	9960385
Styrene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
4-ethyltoluene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
1,3,5-Trimethylbenzene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
1,2,4-Trimethylbenzene	ppbv	0.71	0.50	<1.0	1.0	1.5	1.0	9957683	0.74	0.50	9960385
Chlorobenzene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
Benzyl chloride	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
1,3-Dichlorobenzene	ppbv	<0.40	0.40	<0.80	0.80	<0.80	0.80	9957683	<0.40	0.40	9960385
1,4-Dichlorobenzene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	0.45	0.10	9960385
1,2-Dichlorobenzene	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
1,2,4-Trichlorobenzene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
Hexachlorobutadiene	ppbv	<0.50	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385
Hexane	ppbv	<1.0	1.0	<3.5	3.5	<2.5	2.5	9957683	7.88	0.20	9960385
Heptane	ppbv	<0.30	0.30	<0.60	0.60	<0.60	0.60	9957683	1.63	0.30	9960385
Cyclohexane	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	0.69	0.20	9960385
Tetrahydrofuran	ppbv	<0.40	0.40	<0.80	0.80	<0.80	0.80	9957683	<0.40	0.40	9960385
1,4-Dioxane	ppbv	<1.0	1.0	<2.0	2.0	<2.0	2.0	9957683	<1.0	1.0	9960385
Naphthalene	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Total Xylenes	ppbv	2.18	0.30	2.69	0.60	4.47	0.60	9957683	2.41	0.30	9960385
1,1,1,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.20	0.20	<0.20	0.20	9957683	<0.10	0.10	9960385
Vinyl Bromide	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Propene	ppbv	<1.5	1.5	<1.0	1.0	<2.5	2.5	9957683	<2.5	2.5	9960385
2,2,4-Trimethylpentane	ppbv	<0.65	0.65	<1.5	1.5	<1.5	1.5	9957683	0.41	0.20	9960385
Carbon Disulfide	ppbv	1.00	0.50	<1.0	1.0	<1.0	1.0	9957683	<0.50	0.50	9960385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25			ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18			2025/06/18		
COC Number		57714		57714		57714			57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	QC Batch	VP14-2	RDL	QC Batch
Vinyl Acetate	ppbv	<0.20	0.20	<0.40	0.40	<0.40	0.40	9957683	<0.20	0.20	9960385
Surrogate Recovery (%)											
Bromochloromethane	%	75		82		85		9957683	98		9960385
D5-Chlorobenzene	%	79		78		78		9957683	101		9960385
Difluorobenzene	%	77		80		84		9957683	101		9960385

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Volatile Organics										
Dichlorodifluoromethane (FREON 12)	ppbv	0.52	0.20	0.58	0.36	<0.20	0.20	0.68	0.20	9960385
1,2-Dichlorotetrafluoroethane	ppbv	<0.17	0.17	<0.31	0.31	<0.17	0.17	<0.17	0.17	9960385
Chloromethane	ppbv	0.31	0.30	<0.54	0.54	<0.30	0.30	0.65	0.30	9960385
Vinyl Chloride	ppbv	0.48	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Chloroethane	ppbv	<0.30	0.30	<0.54	0.54	<0.30	0.30	<0.30	0.30	9960385
1,3-Butadiene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	<0.50	0.50	9960385
Trichlorofluoromethane (FREON 11)	ppbv	0.26	0.20	<0.36	0.36	<0.20	0.20	0.43	0.20	9960385
Ethanol (ethyl alcohol)	ppbv	230	4.0	<1.8	1.8	<1.0	1.0	3.2	1.0	9960385
Trichlorotrifluoroethane	ppbv	<0.15	0.15	1.96	0.27	<0.15	0.15	<0.15	0.15	9960385
2-propanol	ppbv	45.6	1.0	1.9	1.8	<1.0	1.0	2.4	1.0	9960385
2-Propanone	ppbv	21.9	0.60	16.2	1.1	<0.60	0.60	42.9	0.60	9960385
Methyl Ethyl Ketone (2-Butanone)	ppbv	1.88	0.20	0.84	0.36	<0.20	0.20	4.13	0.20	9960385
Methyl Isobutyl Ketone	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Methyl Butyl Ketone (2-Hexanone)	ppbv	<1.0	1.0	<1.8	1.8	<1.0	1.0	<1.0	1.0	9960385
Methyl t-butyl ether (MTBE)	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Ethyl Acetate	ppbv	1.7	1.0	<1.8	1.8	<1.0	1.0	<1.0	1.0	9960385
1,1-Dichloroethylene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
cis-1,2-Dichloroethylene	ppbv	0.14	0.10	66.6	0.18	<0.10	0.10	214	0.40	9960385
trans-1,2-Dichloroethylene	ppbv	<0.10	0.10	11.9	0.18	<0.10	0.10	44.5	0.10	9960385
Methylene Chloride(Dichloromethane)	ppbv	1.46	0.60	<1.1	1.1	<0.60	0.60	<0.60	0.60	9960385
Chloroform	ppbv	0.16	0.10	1.82	0.18	<0.10	0.10	3.21	0.10	9960385
Carbon Tetrachloride	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,1-Dichloroethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,2-Dichloroethane	ppbv	0.13	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Ethylene Dibromide	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,1,1-Trichloroethane	ppbv	<0.10	0.10	0.70	0.18	<0.10	0.10	<0.10	0.10	9960385
1,1,2-Trichloroethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,1,2,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
cis-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
trans-1,3-Dichloropropene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,2-Dichloropropane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Bromomethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Bromoform	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Bromodichloromethane	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Dibromochloromethane	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Trichloroethylene	ppbv	0.23	0.10	174	0.18	<0.10	0.10	24.2	0.10	9960385
Tetrachloroethylene	ppbv	0.31	0.10	8.01	0.18	<0.10	0.10	<0.10	0.10	9960385
Benzene	ppbv	0.67	0.10	0.45	0.18	<0.10	0.10	0.77	0.10	9960385
Toluene	ppbv	23.1	0.10	4.54	0.18	<0.10	0.10	12.6	0.10	9960385
Ethylbenzene	ppbv	0.36	0.10	1.09	0.18	<0.10	0.10	2.16	0.10	9960385
p+m-Xylene	ppbv	1.30	0.20	3.24	0.36	<0.20	0.20	6.28	0.20	9960385
o-Xylene	ppbv	0.48	0.10	1.73	0.18	<0.10	0.10	3.02	0.10	9960385
Styrene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
4-ethyltoluene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	0.66	0.50	9960385
1,3,5-Trimethylbenzene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	0.72	0.50	9960385
1,2,4-Trimethylbenzene	ppbv	0.66	0.50	1.80	0.90	<0.50	0.50	2.50	0.50	9960385
Chlorobenzene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Benzyl chloride	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	<0.50	0.50	9960385
1,3-Dichlorobenzene	ppbv	<0.40	0.40	<0.72	0.72	<0.40	0.40	<0.40	0.40	9960385
1,4-Dichlorobenzene	ppbv	0.33	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,2-Dichlorobenzene	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
1,2,4-Trichlorobenzene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	<0.50	0.50	9960385
Hexachlorobutadiene	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	<0.50	0.50	9960385
Hexane	ppbv	3.43	0.20	<0.36	0.36	<0.20	0.20	<6.0	6.0	9960385
Heptane	ppbv	0.59	0.30	<0.54	0.54	<0.30	0.30	0.61	0.30	9960385
Cyclohexane	ppbv	0.25	0.20	0.47	0.36	<0.20	0.20	0.35	0.20	9960385
Tetrahydrofuran	ppbv	<0.40	0.40	<0.72	0.72	<0.40	0.40	<0.40	0.40	9960385
1,4-Dioxane	ppbv	<1.0	1.0	<1.8	1.8	<1.0	1.0	<1.0	1.0	9960385
Naphthalene	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Total Xylenes	ppbv	1.79	0.30	4.97	0.54	<0.30	0.30	9.30	0.30	9960385
1,1,1,2-Tetrachloroethane	ppbv	<0.10	0.10	<0.18	0.18	<0.10	0.10	<0.10	0.10	9960385
Vinyl Bromide	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Propene	ppbv	<5.0	5.0	<3.3	3.3	<0.50	0.50	6.78	0.50	9960385
2,2,4-Trimethylpentane	ppbv	<0.20	0.20	<1.6	1.6	<0.20	0.20	<3.5	3.5	9960385
Carbon Disulfide	ppbv	<0.50	0.50	<0.90	0.90	<0.50	0.50	3.11	0.50	9960385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Vinyl Acetate	ppbv	<0.20	0.20	<0.36	0.36	<0.20	0.20	<0.20	0.20	9960385
Surrogate Recovery (%)										
Bromochloromethane	%	104		106		106		93		9960385
D5-Chlorobenzene	%	102		103		97		99		9960385
Difluorobenzene	%	105		106		103		98		9960385

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Calculated Parameters										
Dichlorodifluoromethane (FREON 12)	ug/m3	2.63	0.99	2.51	0.99	2.37	0.99	<9.9	9.9	9954173
1,2-Dichlorotetrafluoroethane	ug/m3	<1.2	1.2	<1.2	1.2	<1.2	1.2	<12	12	9954173
Chloromethane	ug/m3	1.12	0.62	0.74	0.62	<0.62	0.62	<6.2	6.2	9954173
Vinyl Chloride	ug/m3	<0.26	0.26	<0.26	0.26	<0.26	0.26	<2.6	2.6	9954173
Chloroethane	ug/m3	<0.79	0.79	<0.79	0.79	<0.79	0.79	<7.9	7.9	9954173
1,3-Butadiene	ug/m3	<1.1	1.1	<1.1	1.1	<1.1	1.1	<11	11	9954173
Trichlorofluoromethane (FREON 11)	ug/m3	2.2	1.1	1.2	1.1	1.3	1.1	<11	11	9954173
Ethanol (ethyl alcohol)	ug/m3	7.2	1.9	4.3	1.9	3.4	1.9	<19	19	9954173
Trichlorotrifluoroethane	ug/m3	<1.2	1.2	<1.2	1.2	<1.2	1.2	15	12	9954173
2-propanol	ug/m3	4.9	2.5	2.8	2.5	<2.5	2.5	<25	25	9954173
2-Propanone	ug/m3	94.5	1.4	44.0	1.4	39.4	1.4	30	14	9954173
Methyl Ethyl Ketone (2-Butanone)	ug/m3	10.8	0.59	6.81	0.59	4.48	0.59	<5.9	5.9	9954173
Methyl Isobutyl Ketone	ug/m3	<0.82	0.82	<0.82	0.82	<0.82	0.82	<8.2	8.2	9954173
Methyl Butyl Ketone (2-Hexanone)	ug/m3	<4.1	4.1	<4.1	4.1	<4.1	4.1	<41	41	9954173
Methyl t-butyl ether (MTBE)	ug/m3	<0.72	0.72	<0.72	0.72	<0.72	0.72	<7.2	7.2	9954173
Ethyl Acetate	ug/m3	<3.6	3.6	<3.6	3.6	<3.6	3.6	<36	36	9954173
1,1-Dichloroethylene	ug/m3	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9954173
cis-1,2-Dichloroethylene	ug/m3	703	0.99	49.3	0.40	245	0.40	11.1	4.0	9954173
trans-1,2-Dichloroethylene	ug/m3	167	0.40	3.41	0.40	8.18	0.40	<4.0	4.0	9954173
Methylene Chloride(Dichloromethane)	ug/m3	<2.1	2.1	<2.1	2.1	<2.1	2.1	<21	21	9954173
Chloroform	ug/m3	14.3	0.49	0.98	0.49	1.86	0.49	16.9	4.9	9954173
Carbon Tetrachloride	ug/m3	<0.63	0.63	<0.63	0.63	<0.63	0.63	12.4	6.3	9954173
1,1-Dichloroethane	ug/m3	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9954173
1,2-Dichloroethane	ug/m3	<0.40	0.40	<0.40	0.40	<0.40	0.40	<4.0	4.0	9954173
Ethylene Dibromide	ug/m3	<0.77	0.77	<0.77	0.77	<0.77	0.77	<7.7	7.7	9954173
1,1,1-Trichloroethane	ug/m3	<0.55	0.55	<0.55	0.55	<0.55	0.55	<5.5	5.5	9954173
1,1,2-Trichloroethane	ug/m3	<0.55	0.55	<0.55	0.55	<0.55	0.55	<5.5	5.5	9954173
1,1,2,2-Tetrachloroethane	ug/m3	<0.69	0.69	<0.69	0.69	<0.69	0.69	<6.9	6.9	9954173
cis-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.45	0.45	<0.45	0.45	<4.5	4.5	9954173
trans-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.45	0.45	<0.45	0.45	<4.5	4.5	9954173
1,2-Dichloropropane	ug/m3	<0.46	0.46	<0.46	0.46	<0.46	0.46	<4.6	4.6	9954173
Bromomethane	ug/m3	<0.39	0.39	<0.39	0.39	<0.39	0.39	<3.9	3.9	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP12-2	RDL	VP12-1	RDL	VP12-3	RDL	VP14-4	RDL	QC Batch
Bromoform	ug/m3	<2.1	2.1	<2.1	2.1	<2.1	2.1	<21	21	9954173
Bromodichloromethane	ug/m3	<1.3	1.3	<1.3	1.3	<1.3	1.3	<13	13	9954173
Dibromochloromethane	ug/m3	<1.7	1.7	<1.7	1.7	<1.7	1.7	<17	17	9954173
Trichloroethylene	ug/m3	113	0.54	25.6	0.54	79.8	0.54	44.7	5.4	9954173
Tetrachloroethylene	ug/m3	<0.68	0.68	<0.68	0.68	3.39	0.68	141	6.8	9954173
Benzene	ug/m3	2.27	0.32	1.65	0.32	1.26	0.32	<3.2	3.2	9954173
Toluene	ug/m3	42.2	0.38	39.0	0.38	38.6	0.38	8.3	3.8	9954173
Ethylbenzene	ug/m3	6.98	0.43	6.97	0.43	6.68	0.43	<4.3	4.3	9954173
p+m-Xylene	ug/m3	20.1	0.87	19.9	0.87	19.5	0.87	<8.7	8.7	9954173
o-Xylene	ug/m3	9.77	0.43	9.44	0.43	9.22	0.43	<4.3	4.3	9954173
Styrene	ug/m3	<0.43	0.43	<0.43	0.43	<0.43	0.43	<4.3	4.3	9954173
4-ethyltoluene	ug/m3	<2.5	2.5	<2.5	2.5	<2.5	2.5	<25	25	9954173
1,3,5-Trimethylbenzene	ug/m3	<2.5	2.5	<2.5	2.5	<2.5	2.5	<25	25	9954173
1,2,4-Trimethylbenzene	ug/m3	8.0	2.5	7.2	2.5	7.8	2.5	<25	25	9954173
Chlorobenzene	ug/m3	<0.46	0.46	<0.46	0.46	<0.46	0.46	<4.6	4.6	9954173
Benzyl chloride	ug/m3	<2.6	2.6	<2.6	2.6	<2.6	2.6	<26	26	9954173
1,3-Dichlorobenzene	ug/m3	<2.4	2.4	<2.4	2.4	<2.4	2.4	<24	24	9954173
1,4-Dichlorobenzene	ug/m3	<0.60	0.60	<0.60	0.60	<0.60	0.60	<6.0	6.0	9954173
1,2-Dichlorobenzene	ug/m3	<0.60	0.60	<0.60	0.60	<0.60	0.60	<6.0	6.0	9954173
1,2,4-Trichlorobenzene	ug/m3	<3.7	3.7	<3.7	3.7	<3.7	3.7	<37	37	9954173
Hexachlorobutadiene	ug/m3	<5.3	5.3	<5.3	5.3	<5.3	5.3	<53	53	9954173
Hexane	ug/m3	<18	18	<8.8	8.8	<8.8	8.8	<7.0	7.0	9954173
Heptane	ug/m3	2.4	1.2	2.2	1.2	1.8	1.2	<12	12	9954173
Cyclohexane	ug/m3	1.35	0.69	0.96	0.69	0.69	0.69	<6.9	6.9	9954173
Tetrahydrofuran	ug/m3	<1.2	1.2	<1.2	1.2	<1.2	1.2	<12	12	9954173
1,4-Dioxane	ug/m3	<3.6	3.6	<3.6	3.6	<3.6	3.6	<36	36	9954173
Naphthalene	ug/m3	<1.0	1.0	<1.0	1.0	<1.0	1.0	<10	10	9954173
Total Xylenes	ug/m3	29.9	1.3	29.3	1.3	28.8	1.3	<13	13	9954173
1,1,1,2-Tetrachloroethane	ug/m3	<0.69	0.69	<0.69	0.69	<0.69	0.69	<6.9	6.9	9954173
Vinyl Bromide	ug/m3	<0.87	0.87	<0.87	0.87	<0.87	0.87	<8.7	8.7	9954173
Propene	ug/m3	10.3	0.86	4.57	0.86	2.67	0.86	<2600	2600	9954173
2,2,4-Trimethylpentane	ug/m3	<16	16	<12	12	<9.3	9.3	<9.3	9.3	9954173
Carbon Disulfide	ug/m3	5.0	1.6	5.8	1.6	5.3	1.6	<16	16	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW19		ASDW20		ASDW21		ASDW22		
Sampling Date		2025/06/17		2025/06/17		2025/06/17		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	**VP12-2**	**RDL**	**VP12-1**	**RDL**	**VP12-3**	**RDL**	**VP14-4**	**RDL**	**QC Batch**
Vinyl Acetate	ug/m3	<0.70	0.70	<0.70	0.70	<0.70	0.70	<7.0	7.0	9954173

RDL = Reportable Detection Limit
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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25		ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	VP14-2	RDL	QC Batch
Calculated Parameters										
Dichlorodifluoromethane (FREON 12)	ug/m3	2.55	0.99	2.6	2.0	8.1	2.0	2.73	0.99	9954173
1,2-Dichlorotetrafluoroethane	ug/m3	<1.2	1.2	<2.4	2.4	<2.4	2.4	<1.2	1.2	9954173
Chloromethane	ug/m3	0.66	0.62	<1.2	1.2	<1.2	1.2	0.65	0.62	9954173
Vinyl Chloride	ug/m3	<0.26	0.26	<0.51	0.51	<0.51	0.51	0.98	0.26	9954173
Chloroethane	ug/m3	<0.79	0.79	<1.6	1.6	<1.6	1.6	<0.79	0.79	9954173
1,3-Butadiene	ug/m3	<1.1	1.1	<2.2	2.2	<2.2	2.2	<1.1	1.1	9954173
Trichlorofluoromethane (FREON 11)	ug/m3	1.2	1.1	<2.2	2.2	16.9	2.2	1.6	1.1	9954173
Ethanol (ethyl alcohol)	ug/m3	3.4	1.9	5.6	3.8	<3.8	3.8	301	3.8	9954173
Trichlorotrifluoroethane	ug/m3	<1.2	1.2	<2.3	2.3	<2.3	2.3	1.5	1.2	9954173
2-propanol	ug/m3	<2.5	2.5	<4.9	4.9	5.9	4.9	<86	86	9954173
2-Propanone	ug/m3	14.8	1.4	38.2	2.9	35.9	2.9	37.7	1.4	9954173
Methyl Ethyl Ketone (2-Butanone)	ug/m3	<1.8	1.8	<7.4	7.4	<5.9	5.9	4.12	0.59	9954173
Methyl Isobutyl Ketone	ug/m3	<0.82	0.82	<1.6	1.6	<1.6	1.6	<0.82	0.82	9954173
Methyl Butyl Ketone (2-Hexanone)	ug/m3	<4.1	4.1	<8.2	8.2	<8.2	8.2	<4.1	4.1	9954173
Methyl t-butyl ether (MTBE)	ug/m3	<0.72	0.72	<1.4	1.4	<1.4	1.4	<0.72	0.72	9954173
Ethyl Acetate	ug/m3	<3.6	3.6	<7.2	7.2	<7.2	7.2	4.5	3.6	9954173
1,1-Dichloroethylene	ug/m3	<0.40	0.40	<0.79	0.79	<0.79	0.79	<0.40	0.40	9954173
cis-1,2-Dichloroethylene	ug/m3	2.13	0.40	48.2	0.79	40.4	0.79	<0.40	0.40	9954173
trans-1,2-Dichloroethylene	ug/m3	0.42	0.40	3.90	0.79	5.32	0.79	<0.40	0.40	9954173
Methylene Chloride(Dichloromethane)	ug/m3	<2.1	2.1	<4.2	4.2	<4.2	4.2	7.0	2.1	9954173
Chloroform	ug/m3	3.16	0.49	1.59	0.98	1.64	0.98	0.67	0.49	9954173
Carbon Tetrachloride	ug/m3	<0.63	0.63	<1.3	1.3	<1.3	1.3	<0.63	0.63	9954173
1,1-Dichloroethane	ug/m3	<0.40	0.40	<0.81	0.81	<0.81	0.81	<0.40	0.40	9954173
1,2-Dichloroethane	ug/m3	<0.40	0.40	<0.81	0.81	<0.81	0.81	0.54	0.40	9954173
Ethylene Dibromide	ug/m3	<0.77	0.77	<1.5	1.5	<1.5	1.5	<0.77	0.77	9954173
1,1,1-Trichloroethane	ug/m3	<0.55	0.55	1.6	1.1	<1.1	1.1	<0.55	0.55	9954173
1,1,2-Trichloroethane	ug/m3	<0.55	0.55	<1.1	1.1	<1.1	1.1	<0.55	0.55	9954173
1,1,2,2-Tetrachloroethane	ug/m3	<0.69	0.69	<1.4	1.4	<1.4	1.4	<0.69	0.69	9954173
cis-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.91	0.91	<0.91	0.91	<0.45	0.45	9954173
trans-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.91	0.91	<0.91	0.91	<0.45	0.45	9954173
1,2-Dichloropropane	ug/m3	<0.46	0.46	<0.92	0.92	<0.92	0.92	<0.46	0.46	9954173
Bromomethane	ug/m3	<0.39	0.39	<0.78	0.78	<0.78	0.78	<0.39	0.39	9954173

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25		ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	VP07-1	RDL	VP07-3	RDL	VP14-7	RDL	VP14-2	RDL	QC Batch
Bromoform	ug/m3	<2.1	2.1	<4.1	4.1	<4.1	4.1	<2.1	2.1	9954173
Bromodichloromethane	ug/m3	<1.3	1.3	<2.7	2.7	<2.7	2.7	<1.3	1.3	9954173
Dibromochloromethane	ug/m3	<1.7	1.7	<3.4	3.4	<3.4	3.4	<1.7	1.7	9954173
Trichloroethylene	ug/m3	15.6	0.54	47.9	1.1	121	1.1	<0.54	0.54	9954173
Tetrachloroethylene	ug/m3	16.0	0.68	13.8	1.4	20.8	1.4	1.33	0.68	9954173
Benzene	ug/m3	0.49	0.32	0.88	0.64	1.13	0.64	6.31	0.32	9954173
Toluene	ug/m3	8.41	0.38	11.8	0.75	15.7	0.75	82.1	0.38	9954173
Ethylbenzene	ug/m3	2.11	0.43	2.54	0.87	4.18	0.87	2.07	0.43	9954173
p+m-Xylene	ug/m3	6.03	0.87	7.4	1.7	12.3	1.7	7.90	0.87	9954173
o-Xylene	ug/m3	3.43	0.43	4.25	0.87	7.14	0.87	2.55	0.43	9954173
Styrene	ug/m3	<0.43	0.43	<0.85	0.85	<0.85	0.85	<0.43	0.43	9954173
4-ethyltoluene	ug/m3	<2.5	2.5	<4.9	4.9	<4.9	4.9	<2.5	2.5	9954173
1,3,5-Trimethylbenzene	ug/m3	<2.5	2.5	<4.9	4.9	<4.9	4.9	<2.5	2.5	9954173
1,2,4-Trimethylbenzene	ug/m3	3.5	2.5	<4.9	4.9	7.5	4.9	3.6	2.5	9954173
Chlorobenzene	ug/m3	<0.46	0.46	<0.92	0.92	<0.92	0.92	<0.46	0.46	9954173
Benzyl chloride	ug/m3	<2.6	2.6	<5.2	5.2	<5.2	5.2	<2.6	2.6	9954173
1,3-Dichlorobenzene	ug/m3	<2.4	2.4	<4.8	4.8	<4.8	4.8	<2.4	2.4	9954173
1,4-Dichlorobenzene	ug/m3	<0.60	0.60	<1.2	1.2	<1.2	1.2	2.72	0.60	9954173
1,2-Dichlorobenzene	ug/m3	<0.60	0.60	<1.2	1.2	<1.2	1.2	<0.60	0.60	9954173
1,2,4-Trichlorobenzene	ug/m3	<3.7	3.7	<7.4	7.4	<7.4	7.4	<3.7	3.7	9954173
Hexachlorobutadiene	ug/m3	<5.3	5.3	<11	11	<11	11	<5.3	5.3	9954173
Hexane	ug/m3	<3.5	3.5	<12	12	<8.8	8.8	27.8	0.70	9954173
Heptane	ug/m3	<1.2	1.2	<2.5	2.5	<2.5	2.5	6.7	1.2	9954173
Cyclohexane	ug/m3	<0.69	0.69	<1.4	1.4	<1.4	1.4	2.39	0.69	9954173
Tetrahydrofuran	ug/m3	<1.2	1.2	<2.4	2.4	<2.4	2.4	<1.2	1.2	9954173
1,4-Dioxane	ug/m3	<3.6	3.6	<7.2	7.2	<7.2	7.2	<3.6	3.6	9954173
Naphthalene	ug/m3	<1.0	1.0	<2.1	2.1	<2.1	2.1	<1.0	1.0	9954173
Total Xylenes	ug/m3	9.5	1.3	11.7	2.6	19.4	2.6	10.5	1.3	9954173
1,1,1,2-Tetrachloroethane	ug/m3	<0.69	0.69	<1.4	1.4	<1.4	1.4	<0.69	0.69	9954173
Vinyl Bromide	ug/m3	<0.87	0.87	<1.8	1.8	<1.8	1.8	<0.87	0.87	9954173
Propene	ug/m3	<2.6	2.6	<1.7	1.7	<4.3	4.3	<4.3	4.3	9954173
2,2,4-Trimethylpentane	ug/m3	<3.0	3.0	<7.0	7.0	<7.0	7.0	1.90	0.93	9954173
Carbon Disulfide	ug/m3	3.1	1.6	<3.1	3.1	<3.1	3.1	<1.6	1.6	9954173

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QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW23		ASDW24		ASDW25		ASDW26		
Sampling Date		2025/06/18		2025/06/18		2025/06/18		2025/06/18		
COC Number		57714		57714		57714		57714		
	UNITS	**VP07-1**	**RDL**	**VP07-3**	**RDL**	**VP14-7**	**RDL**	**VP14-2**	**RDL**	**QC Batch**
Vinyl Acetate	ug/m3	<0.70	0.70	<1.4	1.4	<1.4	1.4	<0.70	0.70	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Calculated Parameters										
Dichlorodifluoromethane (FREON 12)	ug/m3	2.57	0.99	2.9	1.8	<0.99	0.99	3.34	0.99	9954173
1,2-Dichlorotetrafluoroethane	ug/m3	<1.2	1.2	<2.1	2.1	<1.2	1.2	<1.2	1.2	9954173
Chloromethane	ug/m3	0.64	0.62	<1.1	1.1	<0.62	0.62	1.33	0.62	9954173
Vinyl Chloride	ug/m3	1.24	0.26	<0.46	0.46	<0.26	0.26	<0.26	0.26	9954173
Chloroethane	ug/m3	<0.79	0.79	<1.4	1.4	<0.79	0.79	<0.79	0.79	9954173
1,3-Butadiene	ug/m3	<1.1	1.1	<2.0	2.0	<1.1	1.1	<1.1	1.1	9954173
Trichlorofluoromethane (FREON 11)	ug/m3	1.5	1.1	<2.0	2.0	<1.1	1.1	2.4	1.1	9954173
Ethanol (ethyl alcohol)	ug/m3	433	7.5	<3.4	3.4	<1.9	1.9	6.0	1.9	9954173
Trichlorotrifluoroethane	ug/m3	<1.2	1.2	15.0	2.1	<1.2	1.2	<1.2	1.2	9954173
2-propanol	ug/m3	112	2.5	4.7	4.4	<2.5	2.5	5.8	2.5	9954173
2-Propanone	ug/m3	52.0	1.4	38.6	2.6	<1.4	1.4	102	1.4	9954173
Methyl Ethyl Ketone (2-Butanone)	ug/m3	5.55	0.59	2.5	1.1	<0.59	0.59	12.2	0.59	9954173
Methyl Isobutyl Ketone	ug/m3	<0.82	0.82	<1.5	1.5	<0.82	0.82	<0.82	0.82	9954173
Methyl Butyl Ketone (2-Hexanone)	ug/m3	<4.1	4.1	<7.4	7.4	<4.1	4.1	<4.1	4.1	9954173
Methyl t-butyl ether (MTBE)	ug/m3	<0.72	0.72	<1.3	1.3	<0.72	0.72	<0.72	0.72	9954173
Ethyl Acetate	ug/m3	6.2	3.6	<6.5	6.5	<3.6	3.6	<3.6	3.6	9954173
1,1-Dichloroethylene	ug/m3	<0.40	0.40	<0.71	0.71	<0.40	0.40	<0.40	0.40	9954173
cis-1,2-Dichloroethylene	ug/m3	0.57	0.40	264	0.71	<0.40	0.40	849	1.6	9954173
trans-1,2-Dichloroethylene	ug/m3	<0.40	0.40	47.1	0.71	<0.40	0.40	177	0.40	9954173
Methylene Chloride(Dichloromethane)	ug/m3	5.1	2.1	<3.8	3.8	<2.1	2.1	<2.1	2.1	9954173
Chloroform	ug/m3	0.80	0.49	8.88	0.88	<0.49	0.49	15.7	0.49	9954173
Carbon Tetrachloride	ug/m3	<0.63	0.63	<1.1	1.1	<0.63	0.63	<0.63	0.63	9954173
1,1-Dichloroethane	ug/m3	<0.40	0.40	<0.73	0.73	<0.40	0.40	<0.40	0.40	9954173
1,2-Dichloroethane	ug/m3	0.53	0.40	<0.73	0.73	<0.40	0.40	<0.40	0.40	9954173
Ethylene Dibromide	ug/m3	<0.77	0.77	<1.4	1.4	<0.77	0.77	<0.77	0.77	9954173
1,1,1-Trichloroethane	ug/m3	<0.55	0.55	3.82	0.98	<0.55	0.55	<0.55	0.55	9954173
1,1,2-Trichloroethane	ug/m3	<0.55	0.55	<0.98	0.98	<0.55	0.55	<0.55	0.55	9954173
1,1,2,2-Tetrachloroethane	ug/m3	<0.69	0.69	<1.2	1.2	<0.69	0.69	<0.69	0.69	9954173
cis-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.82	0.82	<0.45	0.45	<0.45	0.45	9954173
trans-1,3-Dichloropropene	ug/m3	<0.45	0.45	<0.82	0.82	<0.45	0.45	<0.45	0.45	9954173
1,2-Dichloropropane	ug/m3	<0.46	0.46	<0.83	0.83	<0.46	0.46	<0.46	0.46	9954173
Bromomethane	ug/m3	<0.39	0.39	<0.70	0.70	<0.39	0.39	<0.39	0.39	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC-01	RDL	QC Batch
Bromoform	ug/m3	<2.1	2.1	<3.7	3.7	<2.1	2.1	<2.1	2.1	9954173
Bromodichloromethane	ug/m3	<1.3	1.3	<2.4	2.4	<1.3	1.3	<1.3	1.3	9954173
Dibromochloromethane	ug/m3	<1.7	1.7	<3.1	3.1	<1.7	1.7	<1.7	1.7	9954173
Trichloroethylene	ug/m3	1.24	0.54	936	0.97	<0.54	0.54	130	0.54	9954173
Tetrachloroethylene	ug/m3	2.08	0.68	54.3	1.2	<0.68	0.68	<0.68	0.68	9954173
Benzene	ug/m3	2.15	0.32	1.44	0.58	<0.32	0.32	2.47	0.32	9954173
Toluene	ug/m3	87.0	0.38	17.1	0.68	<0.38	0.38	47.4	0.38	9954173
Ethylbenzene	ug/m3	1.56	0.43	4.72	0.78	<0.43	0.43	9.39	0.43	9954173
p+m-Xylene	ug/m3	5.66	0.87	14.1	1.6	<0.87	0.87	27.3	0.87	9954173
o-Xylene	ug/m3	2.11	0.43	7.53	0.78	<0.43	0.43	13.1	0.43	9954173
Styrene	ug/m3	<0.43	0.43	<0.77	0.77	<0.43	0.43	<0.43	0.43	9954173
4-ethyltoluene	ug/m3	<2.5	2.5	<4.4	4.4	<2.5	2.5	3.2	2.5	9954173
1,3,5-Trimethylbenzene	ug/m3	<2.5	2.5	<4.4	4.4	<2.5	2.5	3.6	2.5	9954173
1,2,4-Trimethylbenzene	ug/m3	3.3	2.5	8.9	4.4	<2.5	2.5	12.3	2.5	9954173
Chlorobenzene	ug/m3	<0.46	0.46	<0.83	0.83	<0.46	0.46	<0.46	0.46	9954173
Benzyl chloride	ug/m3	<2.6	2.6	<4.7	4.7	<2.6	2.6	<2.6	2.6	9954173
1,3-Dichlorobenzene	ug/m3	<2.4	2.4	<4.3	4.3	<2.4	2.4	<2.4	2.4	9954173
1,4-Dichlorobenzene	ug/m3	1.96	0.60	<1.1	1.1	<0.60	0.60	<0.60	0.60	9954173
1,2-Dichlorobenzene	ug/m3	<0.60	0.60	<1.1	1.1	<0.60	0.60	<0.60	0.60	9954173
1,2,4-Trichlorobenzene	ug/m3	<3.7	3.7	<6.7	6.7	<3.7	3.7	<3.7	3.7	9954173
Hexachlorobutadiene	ug/m3	<5.3	5.3	<9.6	9.6	<5.3	5.3	<5.3	5.3	9954173
Hexane	ug/m3	12.1	0.70	<1.3	1.3	<0.70	0.70	<21	21	9954173
Heptane	ug/m3	2.4	1.2	<2.2	2.2	<1.2	1.2	2.5	1.2	9954173
Cyclohexane	ug/m3	0.87	0.69	1.6	1.2	<0.69	0.69	1.19	0.69	9954173
Tetrahydrofuran	ug/m3	<1.2	1.2	<2.1	2.1	<1.2	1.2	<1.2	1.2	9954173
1,4-Dioxane	ug/m3	<3.6	3.6	<6.5	6.5	<3.6	3.6	<3.6	3.6	9954173
Naphthalene	ug/m3	<1.0	1.0	<1.9	1.9	<1.0	1.0	<1.0	1.0	9954173
Total Xylenes	ug/m3	7.8	1.3	21.6	2.3	<1.3	1.3	40.4	1.3	9954173
1,1,1,2-Tetrachloroethane	ug/m3	<0.69	0.69	<1.2	1.2	<0.69	0.69	<0.69	0.69	9954173
Vinyl Bromide	ug/m3	<0.87	0.87	<1.6	1.6	<0.87	0.87	<0.87	0.87	9954173
Propene	ug/m3	<8.6	8.6	<5.7	5.7	<0.86	0.86	11.7	0.86	9954173
2,2,4-Trimethylpentane	ug/m3	<0.93	0.93	<7.5	7.5	<0.93	0.93	<16	16	9954173
Carbon Disulfide	ug/m3	<1.6	1.6	<2.8	2.8	<1.6	1.6	9.7	1.6	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASDW27		ASDW28		ASDW29		ASDW30		
Sampling Date		2025/06/18		2025/06/18		2025/06/17		2025/06/17		
COC Number		57714		57714		57714		57714		
	UNITS	**VP14-1**	**RDL**	**VP14-10**	**RDL**	**TRIP BLANK**	**RDL**	**QC-01**	**RDL**	**QC Batch**
Vinyl Acetate	ug/m3	<0.70	0.70	<1.3	1.3	<0.70	0.70	<0.70	0.70	9954173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANIC HYDROCARBONS BY GC/MS (AIR)

Bureau Veritas ID		ASDW19	ASDW20	ASDW21		ASDW22		ASDW23		ASDW24		
Sampling Date		2025/06/17	2025/06/17	2025/06/17		2025/06/18		2025/06/18		2025/06/18		
COC Number		57714	57714	57714		57714		57714		57714		
	UNITS	VP12-2	VP12-1	VP12-3	RDL	VP14-4	RDL	VP07-1	RDL	VP07-3	RDL	QC Batch
Volatile Organics												
Aliphatic >C5-C6	ug/m3	10.1	<5.0	<5.0	5.0	<50	50	<5.0	5.0	<10	10	9959526
Aliphatic >C6-C8	ug/m3	97.0	70.8	58.7	5.0	<50	50	15.8	5.0	44	10	9959526
Aliphatic >C8-C10	ug/m3	42.4	45.7	37.0	5.0	<50	50	10.6	5.0	38	10	9959526
Aliphatic >C10-C12	ug/m3	37.3	49.9	36.0	5.0	<50	50	24.8	5.0	21	10	9959526
Aliphatic >C12-C16	ug/m3	<5.0	<5.0	<5.0	5.0	<50	50	<5.0	5.0	<10	10	9959526
Aromatic >C7-C8 (TEX Excluded)	ug/m3	<5.0	<5.0	<5.0	5.0	<50	50	<5.0	5.0	<10	10	9959526
Aromatic >C8-C10	ug/m3	26.2	24.4	23.9	5.0	<50	50	9.5	5.0	11	10	9959526
Aromatic >C10-C12	ug/m3	15.5	14.0	14.8	5.0	<50	50	6.2	5.0	<10	10	9959526
Aromatic >C12-C16	ug/m3	<5.0	<5.0	<5.0	5.0	<50	50	<5.0	5.0	<10	10	9959526

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ASDW25			ASDW26	ASDW27		ASDW28		ASDW29		
Sampling Date		2025/06/18			2025/06/18	2025/06/18		2025/06/18		2025/06/17		
COC Number		57714			57714	57714		57714		57714		
	UNITS	VP14-7	RDL	QC Batch	VP14-2	VP14-1	RDL	VP14-10	RDL	TRIP BLANK	RDL	QC Batch
Volatile Organics												
Aliphatic >C5-C6	ug/m3	<10	10	9959526	17.3	5.4	5.0	29.0	9.0	<5.0	5.0	9961801
Aliphatic >C6-C8	ug/m3	45	10	9959526	42.1	17.7	5.0	45.3	9.0	<5.0	5.0	9961801
Aliphatic >C8-C10	ug/m3	34	10	9959526	<5.0	<5.0	5.0	32.2	9.0	<5.0	5.0	9961801
Aliphatic >C10-C12	ug/m3	39	10	9959526	5.4	5.4	5.0	81.2	9.0	<5.0	5.0	9961801
Aliphatic >C12-C16	ug/m3	<10	10	9959526	<5.0	<5.0	5.0	<9.0	9.0	<5.0	5.0	9961801
Aromatic >C7-C8 (TEX Excluded)	ug/m3	<10	10	9959526	<5.0	<5.0	5.0	<9.0	9.0	<5.0	5.0	9961801
Aromatic >C8-C10	ug/m3	19	10	9959526	9.9	8.4	5.0	21.8	9.0	<5.0	5.0	9961801
Aromatic >C10-C12	ug/m3	12	10	9959526	5.3	<5.0	5.0	14.8	9.0	<5.0	5.0	9961801
Aromatic >C12-C16	ug/m3	<10	10	9959526	<5.0	<5.0	5.0	<9.0	9.0	<5.0	5.0	9961801

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QC Batch = Quality Control Batch

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VOLATILE ORGANIC HYDROCARBONS BY GC/MS (AIR)

Bureau Veritas ID		ASDW30		
Sampling Date		2025/06/17		
COC Number		57714		
	UNITS	QC-01	RDL	QC Batch
Volatile Organics				
Aliphatic >C5-C6	ug/m3	6.7	5.0	9961801
Aliphatic >C6-C8	ug/m3	98.8	5.0	9961801
Aliphatic >C8-C10	ug/m3	48.8	5.0	9961801
Aliphatic >C10-C12	ug/m3	81.4	5.0	9961801
Aliphatic >C12-C16	ug/m3	<5.0	5.0	9961801
Aromatic >C7-C8 (TEX Excluded)	ug/m3	<5.0	5.0	9961801
Aromatic >C8-C10	ug/m3	36.7	5.0	9961801
Aromatic >C10-C12	ug/m3	23.7	5.0	9961801
Aromatic >C12-C16	ug/m3	<5.0	5.0	9961801

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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TEST SUMMARY

Bureau Veritas ID: ASDW19 **Collected:** 2025/06/17
Sample ID: VP12-2 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/26	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW20 **Collected:** 2025/06/17
Sample ID: VP12-1 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/26	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW21 **Collected:** 2025/06/17
Sample ID: VP12-3 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/26	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW22 **Collected:** 2025/06/18
Sample ID: VP14-4 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/25	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW23 **Collected:** 2025/06/18
Sample ID: VP07-1 **Shipped:**
Matrix: Air **Received:** 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/26	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

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TEST SUMMARY

Bureau Veritas ID: ASDW24
Sample ID: VP07-3
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/25	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW25
Sample ID: VP14-7
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9959526	N/A	2025/06/25	Dany Marqass
Canister Pressure (TO-15)	PRES	9957681	N/A	2025/06/25	Dany Marqass
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9957683	N/A	2025/06/25	Dany Marqass

Bureau Veritas ID: ASDW26
Sample ID: VP14-2
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/06/27	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

Bureau Veritas ID: ASDW27
Sample ID: VP14-1
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/07/02	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

Bureau Veritas ID: ASDW28
Sample ID: VP14-10
Matrix: Air

Collected: 2025/06/18
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/07/02	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TEST SUMMARY

Bureau Veritas ID: ASDW29
Sample ID: TRIP BLANK
Matrix: Air

Collected: 2025/06/17
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/07/02	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

Bureau Veritas ID: ASDW30
Sample ID: QC-01
Matrix: Air

Collected: 2025/06/17
Shipped:
Received: 2025/06/20

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9961801	N/A	2025/06/30	Nicholas Smith
Canister Pressure (TO-15)	PRES	9961274	N/A	2025/06/30	Nicholas Smith
Volatile Organics in Air (ug/m3)	GC/MS	9954173	N/A	2025/07/02	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9960385	N/A	2025/06/30	Nicholas Smith

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GENERAL COMMENTS

7/7/25- report amended. Aliphatic and aromatic fractions added.

Sample ASDW19 [VP12-2] : Cis-1,2-dichloroethylene was analyzed at a 2.5X dilution. The DL was adjusted accordingly.
Increased DL for hexane and 2,2,4-trimethylpentane due to interference.

Sample ASDW20 [VP12-1] : Increased DL for hexane and 2,2,4-trimethylpentane due to interference.

Sample ASDW21 [VP12-3] : Increased DL for hexane and 2,2,4-trimethylpentane due to interference.

Sample ASDW22 [VP14-4] : Sample was analyzed at a 10X dilution. The DL's were adjusted accordingly.
Increased DL for propene due to interference from propane.

Sample ASDW23 [VP07-1] : Increased DL for propene due to interference from propane.
Increased DL for hexane, 2-butanone, and 2,2,4-trimethylpentane due to interference.

Sample ASDW24 [VP07-3] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.
Increased DL for hexane, 2-butanone, and 2,2,4-trimethylpentane due to interference.

Sample ASDW25 [VP14-7] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.
Increased DL for propene due to interference from propane.
Increased DL for hexane, 2-butanone, and 2,2,4-trimethylpentane due to interference.

Sample ASDW26 [VP14-2] : Ethanol was analyzed at a 2X dilution. The DL was adjusted accordingly.
Increased DL for propene and 2-propanol due to interference.

Sample ASDW27 [VP14-1] : Ethanol was analyzed at a 4X dilution. The DL was adjusted accordingly.
Increased DL for propene due to interference.

Sample ASDW28 [VP14-10] : Sample was pressurized due to high vacuum in can. The DL's were adjusted accordingly.
Increased DL for propene and 2,2,4-trimethylpentane due to interference.

Sample ASDW30 [QC-01] : Cis-1,2-dichloroethylene was analyzed at a 4X dilution. The DL was adjusted accordingly.
Increased DL for hexane and 2,2,4-trimethylpentane due to interference.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9957683	Bromochloromethane	2025/06/25	105	60 - 140	82	%		
9957683	D5-Chlorobenzene	2025/06/25	97	60 - 140	76	%		
9957683	Difluorobenzene	2025/06/25	106	60 - 140	81	%		
9960385	Bromochloromethane	2025/06/30	112	60 - 140	117	%		
9960385	D5-Chlorobenzene	2025/06/30	105	60 - 140	102	%		
9960385	Difluorobenzene	2025/06/30	108	60 - 140	116	%		
9954173	1,1,1-Trichloroethane	2025/07/03					NC	25
9954173	1,1,2,2-Tetrachloroethane	2025/07/03					NC	25
9954173	1,1,2-Trichloroethane	2025/07/03					NC	25
9954173	1,1-Dichloroethane	2025/07/03					NC	25
9954173	1,1-Dichloroethylene	2025/07/03					NC	25
9954173	1,2,4-Trichlorobenzene	2025/07/03					NC	25
9954173	1,2,4-Trimethylbenzene	2025/07/03					NC	25
9954173	1,2-Dichlorobenzene	2025/07/03					NC	25
9954173	1,2-Dichloroethane	2025/07/03					NC	25
9954173	1,2-Dichloropropane	2025/07/03					NC	25
9954173	1,3,5-Trimethylbenzene	2025/07/03					NC	25
9954173	1,3-Butadiene	2025/07/03					NC	25
9954173	2-Propanone	2025/07/03					11	25
9954173	Benzene	2025/06/25					0.65	25
9954173	Bromobenzene	2025/07/03					NC	25
9954173	Bromodichloromethane	2025/07/03					NC	25
9954173	Bromomethane	2025/07/03					NC	25
9954173	Carbon Disulfide	2025/07/03					12	25
9954173	Carbon Tetrachloride	2025/07/03					NC	25
9954173	Chlorobenzene	2025/07/03					NC	25
9954173	Chloroethane	2025/07/03					NC	25
9954173	Chloroform	2025/07/03					5.3	25
9954173	cis-1,2-Dichloroethylene	2025/07/03					4.1	25
9954173	Dichlorodifluoromethane (FREON 12)	2025/07/03					0.45	25
9954173	Ethyl Acetate	2025/07/03					NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9954173	Ethylbenzene	2025/07/03					NC	25
9954173	Ethylene Dibromide	2025/07/03					NC	25
9954173	Hexane	2025/07/03					NC	25
9954173	Methyl Ethyl Ketone (2-Butanone)	2025/07/03					4.4	25
9954173	Methyl Isobutyl Ketone	2025/07/03					NC	25
9954173	Methyl t-butyl ether (MTBE)	2025/07/03					NC	25
9954173	Methylene Chloride(Dichloromethane)	2025/07/03					4.0	25
9954173	Naphthalene	2025/07/03					NC	25
9954173	o-Xylene	2025/07/03					NC	25
9954173	p+m-Xylene	2025/07/03					NC	25
9954173	Styrene	2025/07/03					NC	25
9954173	Tetrachloroethylene	2025/07/03					4.2	25
9954173	Toluene	2025/07/03					1.1	25
9954173	Total Xylenes	2025/07/03					NC	25
9954173	trans-1,2-Dichloroethylene	2025/07/03					NC	25
9954173	Trichloroethylene	2025/07/03					6.0	25
9954173	Trichlorotrifluoroethane	2025/07/03					NC	25
9954173	Vinyl Chloride	2025/07/03					NC	25
9957683	1,1,1,2-Tetrachloroethane	2025/06/25	102	70 - 130	<0.10	ppbv		
9957683	1,1,1-Trichloroethane	2025/06/25	94	70 - 130	<0.10	ppbv		
9957683	1,1,2,2-Tetrachloroethane	2025/06/25	99	70 - 130	<0.10	ppbv		
9957683	1,1,2-Trichloroethane	2025/06/25	96	70 - 130	<0.10	ppbv		
9957683	1,1-Dichloroethane	2025/06/25	106	70 - 130	<0.10	ppbv		
9957683	1,1-Dichloroethylene	2025/06/25	101	70 - 130	<0.10	ppbv		
9957683	1,2,4-Trichlorobenzene	2025/06/25	89	70 - 130	<0.50	ppbv		
9957683	1,2,4-Trimethylbenzene	2025/06/25	98	70 - 130	<0.50	ppbv		
9957683	1,2-Dichlorobenzene	2025/06/25	95	70 - 130	<0.10	ppbv		
9957683	1,2-Dichloroethane	2025/06/25	103	70 - 130	<0.10	ppbv		
9957683	1,2-Dichloropropane	2025/06/25	105	70 - 130	<0.10	ppbv		
9957683	1,2-Dichlorotetrafluoroethane	2025/06/25	98	70 - 130	<0.17	ppbv		
9957683	1,3,5-Trimethylbenzene	2025/06/25	97	70 - 130	<0.50	ppbv		

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9957683	1,3-Butadiene	2025/06/25	116	70 - 130	<0.50	ppbv		
9957683	1,3-Dichlorobenzene	2025/06/25	91	70 - 130	<0.40	ppbv		
9957683	1,4-Dichlorobenzene	2025/06/25	91	70 - 130	<0.10	ppbv		
9957683	1,4-Dioxane	2025/06/25	97	70 - 130	<1.0	ppbv		
9957683	2,2,4-Trimethylpentane	2025/06/25	116	70 - 130	<0.20	ppbv		
9957683	2-propanol	2025/06/25	109	70 - 130	<1.0	ppbv		
9957683	2-Propanone	2025/06/25	98	70 - 130	<0.60	ppbv		
9957683	4-ethyltoluene	2025/06/25	101	70 - 130	<0.50	ppbv		
9957683	Benzene	2025/06/25	98	70 - 130	<0.10	ppbv		
9957683	Benzyl chloride	2025/06/25	108	70 - 130	<0.50	ppbv		
9957683	Bromodichloromethane	2025/06/25	109	70 - 130	<0.20	ppbv		
9957683	Bromoform	2025/06/25	96	70 - 130	<0.20	ppbv		
9957683	Bromomethane	2025/06/25	86	70 - 130	<0.10	ppbv		
9957683	Carbon Disulfide	2025/06/25	104	70 - 130	<0.50	ppbv		
9957683	Carbon Tetrachloride	2025/06/25	98	70 - 130	<0.10	ppbv		
9957683	Chlorobenzene	2025/06/25	93	70 - 130	<0.10	ppbv		
9957683	Chloroethane	2025/06/25	104	70 - 130	<0.30	ppbv		
9957683	Chloroform	2025/06/25	99	70 - 130	<0.10	ppbv		
9957683	Chloromethane	2025/06/25	106	70 - 130	<0.30	ppbv		
9957683	cis-1,2-Dichloroethylene	2025/06/25	102	70 - 130	<0.10	ppbv		
9957683	cis-1,3-Dichloropropene	2025/06/25	100	70 - 130	<0.10	ppbv		
9957683	Cyclohexane	2025/06/25	108	70 - 130	<0.20	ppbv		
9957683	Dibromochloromethane	2025/06/25	104	70 - 130	<0.20	ppbv		
9957683	Dichlorodifluoromethane (FREON 12)	2025/06/25	96	70 - 130	<0.20	ppbv		
9957683	Ethanol (ethyl alcohol)	2025/06/25	70	70 - 130	<1.0	ppbv		
9957683	Ethyl Acetate	2025/06/25	110	70 - 130	<1.0	ppbv		
9957683	Ethylbenzene	2025/06/25	97	70 - 130	<0.10	ppbv		
9957683	Ethylene Dibromide	2025/06/25	95	70 - 130	<0.10	ppbv		
9957683	Heptane	2025/06/25	114	70 - 130	<0.30	ppbv		
9957683	Hexachlorobutadiene	2025/06/25	87	70 - 130	<0.50	ppbv		
9957683	Hexane	2025/06/25	109	70 - 130	<0.20	ppbv		

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9957683	Methyl Butyl Ketone (2-Hexanone)	2025/06/25	113	70 - 130	<1.0	ppbv		
9957683	Methyl Ethyl Ketone (2-Butanone)	2025/06/25	115	70 - 130	<0.20	ppbv		
9957683	Methyl Isobutyl Ketone	2025/06/25	118	70 - 130	<0.20	ppbv		
9957683	Methyl t-butyl ether (MTBE)	2025/06/25	101	70 - 130	<0.20	ppbv		
9957683	Methylene Chloride(Dichloromethane)	2025/06/25	106	70 - 130	<0.60	ppbv		
9957683	Naphthalene	2025/06/25	86	70 - 130	<0.20	ppbv		
9957683	o-Xylene	2025/06/25	96	70 - 130	<0.10	ppbv		
9957683	p+m-Xylene	2025/06/25	97	70 - 130	<0.20	ppbv		
9957683	Propene	2025/06/25	110	70 - 130	<0.50	ppbv		
9957683	Styrene	2025/06/25	99	70 - 130	<0.10	ppbv		
9957683	Tetrachloroethylene	2025/06/25	89	70 - 130	<0.10	ppbv		
9957683	Tetrahydrofuran	2025/06/25	109	70 - 130	<0.40	ppbv		
9957683	Toluene	2025/06/25	97	70 - 130	<0.10	ppbv		
9957683	Total Xylenes	2025/06/25	97	70 - 130	<0.30	ppbv		
9957683	trans-1,2-Dichloroethylene	2025/06/25	103	70 - 130	<0.10	ppbv		
9957683	trans-1,3-Dichloropropene	2025/06/25	100	70 - 130	<0.10	ppbv		
9957683	Trichloroethylene	2025/06/25	93	70 - 130	<0.10	ppbv		
9957683	Trichlorofluoromethane (FREON 11)	2025/06/25	88	70 - 130	<0.20	ppbv		
9957683	Trichlorotrifluoroethane	2025/06/25	96	70 - 130	<0.15	ppbv		
9957683	Vinyl Acetate	2025/06/25	114	70 - 130	<0.20	ppbv		
9957683	Vinyl Bromide	2025/06/25	115	70 - 130	<0.20	ppbv		
9957683	Vinyl Chloride	2025/06/25	99	70 - 130	<0.10	ppbv		
9959526	Aliphatic >C10-C12	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aliphatic >C12-C16	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aliphatic >C5-C6	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aliphatic >C6-C8	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aliphatic >C8-C10	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aromatic >C10-C12	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aromatic >C12-C16	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aromatic >C7-C8 (TEX Excluded)	2025/06/25			<5.0	ug/m3	NC	25
9959526	Aromatic >C8-C10	2025/06/25			<5.0	ug/m3	NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9960385	1,1,1,2-Tetrachloroethane	2025/06/30	115	70 - 130	<0.10	ppbv		
9960385	1,1,1-Trichloroethane	2025/06/30	99	70 - 130	<0.10	ppbv		
9960385	1,1,2,2-Tetrachloroethane	2025/06/30	99	70 - 130	<0.10	ppbv		
9960385	1,1,2-Trichloroethane	2025/06/30	100	70 - 130	<0.10	ppbv		
9960385	1,1-Dichloroethane	2025/06/30	96	70 - 130	<0.10	ppbv		
9960385	1,1-Dichloroethylene	2025/06/30	90	70 - 130	<0.10	ppbv		
9960385	1,2,4-Trichlorobenzene	2025/06/30	121	70 - 130	<0.50	ppbv		
9960385	1,2,4-Trimethylbenzene	2025/06/30	102	70 - 130	<0.50	ppbv		
9960385	1,2-Dichlorobenzene	2025/06/30	102	70 - 130	<0.10	ppbv		
9960385	1,2-Dichloroethane	2025/06/30	103	70 - 130	<0.10	ppbv		
9960385	1,2-Dichloropropane	2025/06/30	101	70 - 130	<0.10	ppbv		
9960385	1,2-Dichlorotetrafluoroethane	2025/06/30	98	70 - 130	<0.17	ppbv		
9960385	1,3,5-Trimethylbenzene	2025/06/30	99	70 - 130	<0.50	ppbv		
9960385	1,3-Butadiene	2025/06/30	99	70 - 130	<0.50	ppbv		
9960385	1,3-Dichlorobenzene	2025/06/30	103	70 - 130	<0.40	ppbv		
9960385	1,4-Dichlorobenzene	2025/06/30	104	70 - 130	<0.10	ppbv		
9960385	1,4-Dioxane	2025/06/30	102	70 - 130	<1.0	ppbv		
9960385	2,2,4-Trimethylpentane	2025/06/30	103	70 - 130	<0.20	ppbv		
9960385	2-propanol	2025/06/30	100	70 - 130	<1.0	ppbv		
9960385	2-Propanone	2025/06/30	97	70 - 130	<0.60	ppbv		
9960385	4-ethyltoluene	2025/06/30	99	70 - 130	<0.50	ppbv		
9960385	Benzene	2025/06/30	98	70 - 130	<0.10	ppbv		
9960385	Benzyl chloride	2025/06/30	117	70 - 130	<0.50	ppbv		
9960385	Bromodichloromethane	2025/06/30	112	70 - 130	<0.20	ppbv		
9960385	Bromoform	2025/06/30	111	70 - 130	<0.20	ppbv		
9960385	Bromomethane	2025/06/30	91	70 - 130	<0.10	ppbv		
9960385	Carbon Disulfide	2025/06/30	104	70 - 130	<0.50	ppbv		
9960385	Carbon Tetrachloride	2025/06/30	113	70 - 130	<0.10	ppbv		
9960385	Chlorobenzene	2025/06/30	99	70 - 130	<0.10	ppbv		
9960385	Chloroethane	2025/06/30	94	70 - 130	<0.30	ppbv		
9960385	Chloroform	2025/06/30	99	70 - 130	<0.10	ppbv		

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9960385	Chloromethane	2025/06/30	96	70 - 130	<0.30	ppbv		
9960385	cis-1,2-Dichloroethylene	2025/06/30	98	70 - 130	<0.10	ppbv		
9960385	cis-1,3-Dichloropropene	2025/06/30	104	70 - 130	<0.10	ppbv		
9960385	Cyclohexane	2025/06/30	102	70 - 130	<0.20	ppbv		
9960385	Dibromochloromethane	2025/06/30	115	70 - 130	<0.20	ppbv		
9960385	Dichlorodifluoromethane (FREON 12)	2025/06/30	95	70 - 130	<0.20	ppbv		
9960385	Ethanol (ethyl alcohol)	2025/06/30	62 (1)	70 - 130	<1.0	ppbv		
9960385	Ethyl Acetate	2025/06/30	99	70 - 130	<1.0	ppbv		
9960385	Ethylbenzene	2025/06/30	101	70 - 130	<0.10	ppbv		
9960385	Ethylene Dibromide	2025/06/30	103	70 - 130	<0.10	ppbv		
9960385	Heptane	2025/06/30	101	70 - 130	<0.30	ppbv		
9960385	Hexachlorobutadiene	2025/06/30	101	70 - 130	<0.50	ppbv		
9960385	Hexane	2025/06/30	97	70 - 130	<0.20	ppbv		
9960385	Methyl Butyl Ketone (2-Hexanone)	2025/06/30	113	70 - 130	<1.0	ppbv		
9960385	Methyl Ethyl Ketone (2-Butanone)	2025/06/30	99	70 - 130	<0.20	ppbv		
9960385	Methyl Isobutyl Ketone	2025/06/30	107	70 - 130	<0.20	ppbv		
9960385	Methyl t-butyl ether (MTBE)	2025/06/30	99	70 - 130	<0.20	ppbv		
9960385	Methylene Chloride(Dichloromethane)	2025/06/30	97	70 - 130	<0.60	ppbv		
9960385	Naphthalene	2025/06/30	118	70 - 130	<0.20	ppbv		
9960385	o-Xylene	2025/06/30	97	70 - 130	<0.10	ppbv		
9960385	p+m-Xylene	2025/06/30	101	70 - 130	<0.20	ppbv		
9960385	Propene	2025/06/30	98	70 - 130	<0.50	ppbv		
9960385	Styrene	2025/06/30	104	70 - 130	<0.10	ppbv		
9960385	Tetrachloroethylene	2025/06/30	101	70 - 130	<0.10	ppbv		
9960385	Tetrahydrofuran	2025/06/30	97	70 - 130	<0.40	ppbv		
9960385	Toluene	2025/06/30	99	70 - 130	<0.10	ppbv		
9960385	Total Xylenes	2025/06/30	100	70 - 130	<0.30	ppbv		
9960385	trans-1,2-Dichloroethylene	2025/06/30	97	70 - 130	<0.10	ppbv		
9960385	trans-1,3-Dichloropropene	2025/06/30	110	70 - 130	<0.10	ppbv		
9960385	Trichloroethylene	2025/06/30	102	70 - 130	<0.10	ppbv		
9960385	Trichlorofluoromethane (FREON 11)	2025/06/30	101	70 - 130	<0.20	ppbv		

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			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9960385	Trichlorotrifluoroethane	2025/06/30	87	70 - 130	<0.15	ppbv		
9960385	Vinyl Acetate	2025/06/30	105	70 - 130	<0.20	ppbv		
9960385	Vinyl Bromide	2025/06/30	113	70 - 130	<0.20	ppbv		
9960385	Vinyl Chloride	2025/06/30	93	70 - 130	<0.10	ppbv		
9961801	Aliphatic >C10-C12	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aliphatic >C12-C16	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aliphatic >C5-C6	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aliphatic >C6-C8	2025/06/30			<5.0	ug/m3	16	25
9961801	Aliphatic >C8-C10	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aromatic >C10-C12	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aromatic >C12-C16	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aromatic >C7-C8 (TEX Excluded)	2025/06/30			<5.0	ug/m3	NC	25
9961801	Aromatic >C8-C10	2025/06/30			<5.0	ug/m3	NC	25

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

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 (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).

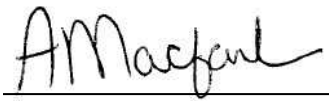
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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VALIDATION SIGNATURE PAGE

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



Anke Macfarlane, Laboratory Manager, VOC

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CAM FCD-01302 /5

Chain of Custody Form - Summa™ Canister

57714

Page 1 of 1

BUREAU VERITAS
6740 Campobello Rd
Mississauga Ontario, L5N 2L8
www.bvlabs.com
Toll Free: 1-800-668-0639
Phone: (905) 817-5700
Fax: (905) 817-5777

Received in Ottawa

INVOICE INFORMATION	REPORT INFORMATION
Company Name: STANTEC	Company Name: STANTEC
Contact Name: DYLAN HEMMINGS	Project Manager: DYLAN HEMMINGS
Address: 300 1331 CLYDE AVE	Address: 300 1331 CLYDE AVE OTTAWA, ON
E-mail:	E-mail:
Ph:	Ph:
Sampled by: TREVOR SAUNDERS	

Field Sample ID	Canister Serial #	Flow Regulator Serial #	Collection Date	START VACUUM (inches of Hg)	END VACUUM (inches of Hg)	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBIENT/COMMERCIAL/INDUSTRIAL	SUB-SLAB GAS	FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	Other	CANISTERS NOT USED
VP12-2	SX2217	FX1688	6/17/25	-29	-7	X				X	X				
VP12-1	SX1805	FX1707	"	-28	-5	X				X	X				
VP12-3	SX1199	FX0731	"	-28.5	-6	X				X	X				
VP14-4	SX1984	FX1694	6/18/25	-30	-14.5	X				X	X				
VP07-1	SX1630	FX0185	"	-28.5	-8.5	X				X	X				
VP07-3	SX1779	FX1384	"	-29	-14.5	X				X	X				
VP14-7	SX1177	FX1647	"	-29	-14	X				X	X				
VP14-2	SX1737	FX1642	"	-30	-9	X				X	X				
VP14-1	SX1775	FX0067	"	-29.5	-8.5	X				X	X				
VP14-10	SX1587	FX0049	"	-29.5	-13	X				X	X				
TRIP BLANK	SX2436	—								X	X				
QC-01	SX1782	FX1160	6/17/25	-29	-7	X				X	X				

20-Jun-25 10:00
Cristina (Maria) Bacchus
C573470
AKP AIR-001

TAT Requirement

- STD 10 Business day [X]
- Rush 5 Business day * [ ]
- Rush 2 Business day * [ ]
- Rush Other * [ ]

* need approval from Bureau Veritas

PROJECT INFORMATION

Project #: 122170424.302
Name:
PO #:
Bureau Veritas Quote #:
Bureau Veritas Contact:
Task Order/Line Item

REPORTING REQUIREMENTS

EDD [ ]
Regulations: ON 153 [ ] ON 419 [ ] BC CSR [ ]
Other

Notes

1) please indicate on chain of custody if your samples are soil vapour or ambient air
2) please list all canisters on the chain of custody even if unused

PROJECT SPECIFIC COMMENTS

Client Signature: TREVOR SAUNDERS
Date/Time: 6/19/25

Received by: Pedro da Silva / PDS
Date/Time: 2025/06/19 11:10

PLEASE RETURN ALL UNUSED EQUIPMENT

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at https://www.bvna.com/coc-terms-and-conditions

COC-1003 (06/21)

Received AKP DATE 2025/06/20 10:00

Your Project #: 122170424.302
Your C.O.C. #: 57765

Attention: Dylan Hemmings

Stantec Consulting Ltd
300 Hagey Blvd
Suite 100
Waterloo, ON
CANADA N2L 0A4

Report Date: 2025/07/10
Report #: R8573060
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C576769
Received: 2025/06/26, 15:26

Sample Matrix: Air
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
BTEX Fractionation in Air (TO-15mod)	1	N/A	2025/07/04	BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	1	N/A	2025/07/04	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (ug/m3)	1	N/A	2025/07/08	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/07/04	BRL SOP-00304	EPA TO-15 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) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.

Your Project #: 122170424.302
Your C.O.C. #: 57765

Attention: Dylan Hemmings

Stantec Consulting Ltd
300 Hagey Blvd
Suite 100
Waterloo, ON
CANADA N2L 0A4

Report Date: 2025/07/10
Report #: R8573060
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C576769
Received: 2025/06/26, 15:26

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Cristina (Maria) Bacchus, Project Manager
Email: maria.bacchus@bureauveritas.com
Phone# (905)817-5763

==========

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C576769
Report Date: 2025/07/10

Stantec Consulting Ltd
Client Project #: 122170424.302
Sampler Initials: TS

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASKC15	
Sampling Date		2025/06/26	
COC Number		57765	
	UNITS	**VP14-3**	**QC Batch**
Volatile Organics			
Pressure on Receipt	psig	(-5.0)	9964588
QC Batch = Quality Control Batch			

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Volatile Organics					
Dichlorodifluoromethane (FREON 12)	ppbv	0.46	0.48	0.20	9963268
1,2-Dichlorotetrafluoroethane	ppbv	<0.17	<0.17	0.17	9963268
Chloromethane	ppbv	<0.30	<0.30	0.30	9963268
Vinyl Chloride	ppbv	<0.10	<0.10	0.10	9963268
Chloroethane	ppbv	<0.30	<0.30	0.30	9963268
1,3-Butadiene	ppbv	<0.50	<0.50	0.50	9963268
Trichlorofluoromethane (FREON 11)	ppbv	0.21	0.22	0.20	9963268
Ethanol (ethyl alcohol)	ppbv	48.3	54.3	1.0	9963268
Trichlorotrifluoroethane	ppbv	1.41	1.57	0.15	9963268
2-propanol	ppbv	2.3	2.6	1.0	9963268
2-Propanone	ppbv	4.01	4.64	0.60	9963268
Methyl Ethyl Ketone (2-Butanone)	ppbv	<0.50	<0.50	0.50	9963268
Methyl Isobutyl Ketone	ppbv	<0.20	<0.20	0.20	9963268
Methyl Butyl Ketone (2-Hexanone)	ppbv	<1.0	<1.0	1.0	9963268
Methyl t-butyl ether (MTBE)	ppbv	<0.20	<0.20	0.20	9963268
Ethyl Acetate	ppbv	<1.0	<1.0	1.0	9963268
1,1-Dichloroethylene	ppbv	<0.10	<0.10	0.10	9963268
cis-1,2-Dichloroethylene	ppbv	1.12	1.22	0.10	9963268
trans-1,2-Dichloroethylene	ppbv	<0.10	<0.10	0.10	9963268
Methylene Chloride(Dichloromethane)	ppbv	<0.60	<0.60	0.60	9963268
Chloroform	ppbv	0.12	0.13	0.10	9963268
Carbon Tetrachloride	ppbv	0.12	0.11	0.10	9963268
1,1-Dichloroethane	ppbv	<0.10	<0.10	0.10	9963268
1,2-Dichloroethane	ppbv	<0.10	<0.10	0.10	9963268
Ethylene Dibromide	ppbv	<0.10	<0.10	0.10	9963268
1,1,1-Trichloroethane	ppbv	<0.10	<0.10	0.10	9963268
1,1,2-Trichloroethane	ppbv	<0.10	<0.10	0.10	9963268
1,1,2,2-Tetrachloroethane	ppbv	<0.10	<0.10	0.10	9963268
cis-1,3-Dichloropropene	ppbv	<0.10	<0.10	0.10	9963268
trans-1,3-Dichloropropene	ppbv	<0.10	<0.10	0.10	9963268
1,2-Dichloropropane	ppbv	<0.10	<0.10	0.10	9963268
Bromomethane	ppbv	<0.10	<0.10	0.10	9963268

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Bromoform	ppbv	<0.20	<0.20	0.20	9963268
Bromodichloromethane	ppbv	<0.20	<0.20	0.20	9963268
Dibromochloromethane	ppbv	<0.20	<0.20	0.20	9963268
Trichloroethylene	ppbv	4.93	4.89	0.10	9963268
Tetrachloroethylene	ppbv	10.1	10.1	0.10	9963268
Benzene	ppbv	0.12	0.11	0.10	9963268
Toluene	ppbv	0.38	0.36	0.10	9963268
Ethylbenzene	ppbv	<0.10	<0.10	0.10	9963268
p+m-Xylene	ppbv	<0.20	<0.20	0.20	9963268
o-Xylene	ppbv	<0.10	<0.10	0.10	9963268
Styrene	ppbv	<0.10	<0.10	0.10	9963268
4-ethyltoluene	ppbv	<0.50	<0.50	0.50	9963268
1,3,5-Trimethylbenzene	ppbv	<0.50	<0.50	0.50	9963268
1,2,4-Trimethylbenzene	ppbv	<0.50	<0.50	0.50	9963268
Chlorobenzene	ppbv	<0.10	<0.10	0.10	9963268
Benzyl chloride	ppbv	<0.50	<0.50	0.50	9963268
1,3-Dichlorobenzene	ppbv	<0.40	<0.40	0.40	9963268
1,4-Dichlorobenzene	ppbv	<0.10	<0.10	0.10	9963268
1,2-Dichlorobenzene	ppbv	<0.10	<0.10	0.10	9963268
1,2,4-Trichlorobenzene	ppbv	<0.50	<0.50	0.50	9963268
Hexachlorobutadiene	ppbv	<0.50	<0.50	0.50	9963268
Hexane	ppbv	<0.20	<0.20	0.20	9963268
Heptane	ppbv	<0.30	<0.30	0.30	9963268
Cyclohexane	ppbv	<0.20	<0.20	0.20	9963268
Tetrahydrofuran	ppbv	<0.40	<0.40	0.40	9963268
1,4-Dioxane	ppbv	<1.0	<1.0	1.0	9963268
Naphthalene	ppbv	<0.20	<0.20	0.20	9963268
Total Xylenes	ppbv	<0.30	<0.30	0.30	9963268
1,1,1,2-Tetrachloroethane	ppbv	<0.10	<0.10	0.10	9963268
Vinyl Bromide	ppbv	<0.20	<0.20	0.20	9963268
Propene	ppbv	<0.50	<0.50	0.50	9963268
2,2,4-Trimethylpentane	ppbv	<0.20	<0.20	0.20	9963268
Carbon Disulfide	ppbv	<0.50	<0.50	0.50	9963268

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	**VP14-3**	**VP14-3 Lab-Dup**	**RDL**	**QC Batch**
Vinyl Acetate	ppbv	<0.20	<0.20	0.20	9963268
Surrogate Recovery (%)					
Bromochloromethane	%	105	93		9963268
D5-Chlorobenzene	%	102	100		9963268
Difluorobenzene	%	90	88		9963268

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Calculated Parameters					
Dichlorodifluoromethane (FREON 12)	ug/m3	2.27	2.38	0.99	9959302
1,2-Dichlorotetrafluoroethane	ug/m3	<1.2	<1.2	1.2	9959302
Chloromethane	ug/m3	<0.62	<0.62	0.62	9959302
Vinyl Chloride	ug/m3	<0.26	<0.26	0.26	9959302
Chloroethane	ug/m3	<0.79	<0.79	0.79	9959302
1,3-Butadiene	ug/m3	<1.1	<1.1	1.1	9959302
Trichlorofluoromethane (FREON 11)	ug/m3	1.2	1.2	1.1	9959302
Ethanol (ethyl alcohol)	ug/m3	91.0	102	1.9	9959302
Trichlorotrifluoroethane	ug/m3	10.8	12.0	1.2	9959302
2-propanol	ug/m3	5.6	6.4	2.5	9959302
2-Propanone	ug/m3	9.5	11.0	1.4	9959302
Methyl Ethyl Ketone (2-Butanone)	ug/m3	<1.5	<1.5	1.5	9959302
Methyl Isobutyl Ketone	ug/m3	<0.82	<0.82	0.82	9959302
Methyl Butyl Ketone (2-Hexanone)	ug/m3	<4.1	<4.1	4.1	9959302
Methyl t-butyl ether (MTBE)	ug/m3	<0.72	<0.72	0.72	9959302
Ethyl Acetate	ug/m3	<3.6	<3.6	3.6	9959302
1,1-Dichloroethylene	ug/m3	<0.40	<0.40	0.40	9959302
cis-1,2-Dichloroethylene	ug/m3	4.44	4.85	0.40	9959302
trans-1,2-Dichloroethylene	ug/m3	<0.40	<0.40	0.40	9959302
Methylene Chloride(Dichloromethane)	ug/m3	<2.1	<2.1	2.1	9959302
Chloroform	ug/m3	0.61	0.63	0.49	9959302
Carbon Tetrachloride	ug/m3	0.78	0.71	0.63	9959302
1,1-Dichloroethane	ug/m3	<0.40	<0.40	0.40	9959302
1,2-Dichloroethane	ug/m3	<0.40	<0.40	0.40	9959302
Ethylene Dibromide	ug/m3	<0.77	<0.77	0.77	9959302
1,1,1-Trichloroethane	ug/m3	<0.55	<0.55	0.55	9959302
1,1,2-Trichloroethane	ug/m3	<0.55	<0.55	0.55	9959302
1,1,2,2-Tetrachloroethane	ug/m3	<0.69	<0.69	0.69	9959302
cis-1,3-Dichloropropene	ug/m3	<0.45	<0.45	0.45	9959302
trans-1,3-Dichloropropene	ug/m3	<0.45	<0.45	0.45	9959302
1,2-Dichloropropane	ug/m3	<0.46	<0.46	0.46	9959302
Bromomethane	ug/m3	<0.39	<0.39	0.39	9959302

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Bromoform	ug/m3	<2.1	<2.1	2.1	9959302
Bromodichloromethane	ug/m3	<1.3	<1.3	1.3	9959302
Dibromochloromethane	ug/m3	<1.7	<1.7	1.7	9959302
Trichloroethylene	ug/m3	26.5	26.3	0.54	9959302
Tetrachloroethylene	ug/m3	68.6	68.3	0.68	9959302
Benzene	ug/m3	0.38	0.34	0.32	9959302
Toluene	ug/m3	1.41	1.35	0.38	9959302
Ethylbenzene	ug/m3	<0.43	<0.43	0.43	9959302
p+m-Xylene	ug/m3	<0.87	<0.87	0.87	9959302
o-Xylene	ug/m3	<0.43	<0.43	0.43	9959302
Styrene	ug/m3	<0.43	<0.43	0.43	9959302
4-ethyltoluene	ug/m3	<2.5	<2.5	2.5	9959302
1,3,5-Trimethylbenzene	ug/m3	<2.5	<2.5	2.5	9959302
1,2,4-Trimethylbenzene	ug/m3	<2.5	<2.5	2.5	9959302
Chlorobenzene	ug/m3	<0.46	<0.46	0.46	9959302
Benzyl chloride	ug/m3	<2.6	<2.6	2.6	9959302
1,3-Dichlorobenzene	ug/m3	<2.4	<2.4	2.4	9959302
1,4-Dichlorobenzene	ug/m3	<0.60	<0.60	0.60	9959302
1,2-Dichlorobenzene	ug/m3	<0.60	<0.60	0.60	9959302
1,2,4-Trichlorobenzene	ug/m3	<3.7	<3.7	3.7	9959302
Hexachlorobutadiene	ug/m3	<5.3	<5.3	5.3	9959302
Hexane	ug/m3	<0.70	<0.70	0.70	9959302
Heptane	ug/m3	<1.2	<1.2	1.2	9959302
Cyclohexane	ug/m3	<0.69	<0.69	0.69	9959302
Tetrahydrofuran	ug/m3	<1.2	<1.2	1.2	9959302
1,4-Dioxane	ug/m3	<3.6	<3.6	3.6	9959302
Naphthalene	ug/m3	<1.0	<1.0	1.0	9959302
Total Xylenes	ug/m3	<1.3	<1.3	1.3	9959302
1,1,1,2-Tetrachloroethane	ug/m3	<0.69	<0.69	0.69	9959302
Vinyl Bromide	ug/m3	<0.87	<0.87	0.87	9959302
Propene	ug/m3	<0.86	<0.86	0.86	9959302
2,2,4-Trimethylpentane	ug/m3	<0.93	<0.93	0.93	9959302
Carbon Disulfide	ug/m3	<1.6	<1.6	1.6	9959302

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	**VP14-3**	**VP14-3 Lab-Dup**	**RDL**	**QC Batch**
Vinyl Acetate	ug/m3	<0.70	<0.70	0.70	9959302

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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VOLATILE ORGANIC HYDROCARBONS BY GC/MS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Volatile Organics					
Aliphatic >C5-C6	ug/m3	<5.0	<5.0	5.0	9964741
Aliphatic >C6-C8	ug/m3	<5.0	<5.0	5.0	9964741
Aliphatic >C8-C10	ug/m3	<5.0	<5.0	5.0	9964741
Aliphatic >C10-C12	ug/m3	<5.0	<5.0	5.0	9964741
Aliphatic >C12-C16	ug/m3	<5.0	<5.0	5.0	9964741
Aromatic >C7-C8 (TEX Excluded)	ug/m3	<5.0	<5.0	5.0	9964741
Aromatic >C8-C10	ug/m3	<5.0	<5.0	5.0	9964741
Aromatic >C10-C12	ug/m3	<5.0	<5.0	5.0	9964741
Aromatic >C12-C16	ug/m3	<5.0	<5.0	5.0	9964741
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	90	88		9964741
Bromochloromethane	%	105	93		9964741
D5-Chlorobenzene	%	102	100		9964741

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C576769
Report Date: 2025/07/10

Stantec Consulting Ltd
Client Project #: 122170424.302
Sampler Initials: TS

TEST SUMMARY

Bureau Veritas ID: ASKC15
Sample ID: VP14-3
Matrix: Air

Collected: 2025/06/26
Shipped:
Received: 2025/06/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9964741	N/A	2025/07/04	Pratima Patel
Canister Pressure (TO-15)	PRES	9964588	N/A	2025/07/04	Pratima Patel
Volatile Organics in Air (ug/m3)	GC/MS	9959302	N/A	2025/07/08	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9963268	N/A	2025/07/04	Pratima Patel

Bureau Veritas ID: ASKC15 Dup
Sample ID: VP14-3
Matrix: Air

Collected: 2025/06/26
Shipped:
Received: 2025/06/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9964741	N/A	2025/07/04	Pratima Patel
Volatile Organics in Air (ug/m3)	GC/MS	9959302	N/A	2025/07/10	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9963268	N/A	2025/07/04	Pratima Patel

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GENERAL COMMENTS

WS#9963268: Ethanol was less than 60% recovery in the reference standard. The continuing calibration standard was acceptable therefore there should be no effect on the data.

Sample ASKC15 [VP14-3] : Increased DL for 2-butanone due to interference.

Results relate only to the items tested.

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9963268	Bromochloromethane	2025/07/04	101	60 - 140	118	%		
9963268	D5-Chlorobenzene	2025/07/04	103	60 - 140	115	%		
9963268	Difluorobenzene	2025/07/04	103	60 - 140	119	%		
9964741	1,4-Difluorobenzene	2025/07/04	103	60 - 140	119	%		
9964741	Bromochloromethane	2025/07/04	101	60 - 140	118	%		
9964741	D5-Chlorobenzene	2025/07/04	103	60 - 140	115	%		
9959302	1,1,1,2-Tetrachloroethane	2025/07/10					NC	25
9959302	1,1,1-Trichloroethane	2025/07/10					NC	25
9959302	1,1,2,2-Tetrachloroethane	2025/07/10					NC	25
9959302	1,1,2-Trichloroethane	2025/07/10					NC	25
9959302	1,1-Dichloroethane	2025/07/10					NC	25
9959302	1,1-Dichloroethylene	2025/07/10					NC	25
9959302	1,2,4-Trichlorobenzene	2025/07/10					NC	25
9959302	1,2,4-Trimethylbenzene	2025/07/10					NC	25
9959302	1,2-Dichlorobenzene	2025/07/10					NC	25
9959302	1,2-Dichloroethane	2025/07/10					NC	25
9959302	1,2-Dichloropropane	2025/07/10					NC	25
9959302	1,2-Dichlorotetrafluoroethane	2025/07/10					NC	25
9959302	1,3,5-Trimethylbenzene	2025/07/10					NC	25
9959302	1,3-Butadiene	2025/07/10					NC	25
9959302	1,3-Dichlorobenzene	2025/07/10					NC	25
9959302	1,4-Dichlorobenzene	2025/07/10					NC	25
9959302	1,4-Dioxane	2025/07/10					NC	25
9959302	2,2,4-Trimethylpentane	2025/07/10					NC	25
9959302	2-propanol	2025/07/10					12	25
9959302	2-Propanone	2025/07/10					14	25
9959302	4-ethyltoluene	2025/07/10					NC	25
9959302	Benzene	2025/07/10					12	25
9959302	Benzyl chloride	2025/07/10					NC	25
9959302	Bromodichloromethane	2025/07/10					NC	25
9959302	Bromoform	2025/07/10					NC	25

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9959302	Bromomethane	2025/07/10					NC	25
9959302	Carbon Disulfide	2025/07/10					NC	25
9959302	Carbon Tetrachloride	2025/07/10					9.9	25
9959302	Chlorobenzene	2025/07/10					NC	25
9959302	Chloroethane	2025/07/10					NC	25
9959302	Chloroform	2025/07/10					3.5	25
9959302	Chloromethane	2025/07/10					NC	25
9959302	cis-1,2-Dichloroethylene	2025/07/10					8.8	25
9959302	cis-1,3-Dichloropropene	2025/07/10					NC	25
9959302	Cyclohexane	2025/07/10					NC	25
9959302	Dibromochloromethane	2025/07/10					NC	25
9959302	Dichlorodifluoromethane (FREON 12)	2025/07/10					4.6	25
9959302	Ethanol (ethyl alcohol)	2025/07/10					12	25
9959302	Ethyl Acetate	2025/07/10					NC	25
9959302	Ethylbenzene	2025/07/10					NC	25
9959302	Ethylene Dibromide	2025/07/10					NC	25
9959302	Heptane	2025/07/10					NC	25
9959302	Hexachlorobutadiene	2025/07/10					NC	25
9959302	Hexane	2025/07/10					NC	25
9959302	Methyl Butyl Ketone (2-Hexanone)	2025/07/10					NC	25
9959302	Methyl Ethyl Ketone (2-Butanone)	2025/07/10					NC	25
9959302	Methyl Isobutyl Ketone	2025/07/10					NC	25
9959302	Methyl t-butyl ether (MTBE)	2025/07/10					NC	25
9959302	Methylene Chloride(Dichloromethane)	2025/07/10					NC	25
9959302	Naphthalene	2025/07/10					NC	25
9959302	o-Xylene	2025/07/10					NC	25
9959302	p+m-Xylene	2025/07/10					NC	25
9959302	Propene	2025/07/10					NC	25
9959302	Styrene	2025/07/10					NC	25
9959302	Tetrachloroethylene	2025/07/10					0.38	25
9959302	Tetrahydrofuran	2025/07/10					NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9959302	Toluene	2025/07/10					4.6	25
9959302	Total Xylenes	2025/07/10					NC	25
9959302	trans-1,2-Dichloroethylene	2025/07/10					NC	25
9959302	trans-1,3-Dichloropropene	2025/07/10					NC	25
9959302	Trichloroethylene	2025/07/10					0.88	25
9959302	Trichlorofluoromethane (FREON 11)	2025/07/10					4.4	25
9959302	Trichlorotrifluoroethane	2025/07/10					10	25
9959302	Vinyl Acetate	2025/07/10					NC	25
9959302	Vinyl Bromide	2025/07/10					NC	25
9959302	Vinyl Chloride	2025/07/10					NC	25
9963268	1,1,1,2-Tetrachloroethane	2025/07/04	122	70 - 130	<0.10	ppbv	NC	25
9963268	1,1,1-Trichloroethane	2025/07/04	107	70 - 130	<0.10	ppbv	NC	25
9963268	1,1,2,2-Tetrachloroethane	2025/07/04	97	70 - 130	<0.10	ppbv	NC	25
9963268	1,1,2-Trichloroethane	2025/07/04	104	70 - 130	<0.10	ppbv	NC	25
9963268	1,1-Dichloroethane	2025/07/04	101	70 - 130	<0.10	ppbv	NC	25
9963268	1,1-Dichloroethylene	2025/07/04	99	70 - 130	<0.10	ppbv	NC	25
9963268	1,2,4-Trichlorobenzene	2025/07/04	97	70 - 130	<0.50	ppbv	NC	25
9963268	1,2,4-Trimethylbenzene	2025/07/04	108	70 - 130	<0.50	ppbv	NC	25
9963268	1,2-Dichlorobenzene	2025/07/04	100	70 - 130	<0.10	ppbv	NC	25
9963268	1,2-Dichloroethane	2025/07/04	99	70 - 130	<0.10	ppbv	NC	25
9963268	1,2-Dichloropropane	2025/07/04	104	70 - 130	<0.10	ppbv	NC	25
9963268	1,2-Dichlorotetrafluoroethane	2025/07/04	87	70 - 130	<0.17	ppbv	NC	25
9963268	1,3,5-Trimethylbenzene	2025/07/04	107	70 - 130	<0.50	ppbv	NC	25
9963268	1,3-Butadiene	2025/07/04	93	70 - 130	<0.50	ppbv	NC	25
9963268	1,3-Dichlorobenzene	2025/07/04	102	70 - 130	<0.40	ppbv	NC	25
9963268	1,4-Dichlorobenzene	2025/07/04	98	70 - 130	<0.10	ppbv	NC	25
9963268	1,4-Dioxane	2025/07/04	114	70 - 130	<1.0	ppbv	NC	25
9963268	2,2,4-Trimethylpentane	2025/07/04	112	70 - 130	<0.20	ppbv	NC	25
9963268	2-propanol	2025/07/04	92	70 - 130	<1.0	ppbv	12	25
9963268	2-Propanone	2025/07/04	77	70 - 130	<0.60	ppbv	14	25
9963268	4-ethyltoluene	2025/07/04	112	70 - 130	<0.50	ppbv	NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9963268	Benzene	2025/07/04	106	70 - 130	<0.10	ppbv	12	25
9963268	Benzyl chloride	2025/07/04	111	70 - 130	<0.50	ppbv	NC	25
9963268	Bromodichloromethane	2025/07/04	111	70 - 130	<0.20	ppbv	NC	25
9963268	Bromoform	2025/07/04	107	70 - 130	<0.20	ppbv	NC	25
9963268	Bromomethane	2025/07/04	83	70 - 130	<0.10	ppbv	NC	25
9963268	Carbon Disulfide	2025/07/04	105	70 - 130	<0.50	ppbv	NC	25
9963268	Carbon Tetrachloride	2025/07/04	114	70 - 130	<0.10	ppbv	9.9	25
9963268	Chlorobenzene	2025/07/04	106	70 - 130	<0.10	ppbv	NC	25
9963268	Chloroethane	2025/07/04	88	70 - 130	<0.30	ppbv	NC	25
9963268	Chloroform	2025/07/04	103	70 - 130	<0.10	ppbv	3.5	25
9963268	Chloromethane	2025/07/04	85	70 - 130	<0.30	ppbv	NC	25
9963268	cis-1,2-Dichloroethylene	2025/07/04	102	70 - 130	<0.10	ppbv	8.8	25
9963268	cis-1,3-Dichloropropene	2025/07/04	107	70 - 130	<0.10	ppbv	NC	25
9963268	Cyclohexane	2025/07/04	113	70 - 130	<0.20	ppbv	NC	25
9963268	Dibromochloromethane	2025/07/04	115	70 - 130	<0.20	ppbv	NC	25
9963268	Dichlorodifluoromethane (FREON 12)	2025/07/04	96	70 - 130	<0.20	ppbv	4.6	25
9963268	Ethanol (ethyl alcohol)	2025/07/04	49 (1)	70 - 130	<1.0	ppbv	12	25
9963268	Ethyl Acetate	2025/07/04	96	70 - 130	<1.0	ppbv	NC	25
9963268	Ethylbenzene	2025/07/04	111	70 - 130	<0.10	ppbv	NC	25
9963268	Ethylene Dibromide	2025/07/04	106	70 - 130	<0.10	ppbv	NC	25
9963268	Heptane	2025/07/04	104	70 - 130	<0.30	ppbv	NC	25
9963268	Hexachlorobutadiene	2025/07/04	91	70 - 130	<0.50	ppbv	NC	25
9963268	Hexane	2025/07/04	103	70 - 130	<0.20	ppbv	NC	25
9963268	Methyl Butyl Ketone (2-Hexanone)	2025/07/04	105	70 - 130	<1.0	ppbv	NC	25
9963268	Methyl Ethyl Ketone (2-Butanone)	2025/07/04	100	70 - 130	<0.20	ppbv	NC	25
9963268	Methyl Isobutyl Ketone	2025/07/04	106	70 - 130	<0.20	ppbv	NC	25
9963268	Methyl t-butyl ether (MTBE)	2025/07/04	115	70 - 130	<0.20	ppbv	NC	25
9963268	Methylene Chloride(Dichloromethane)	2025/07/04	94	70 - 130	<0.60	ppbv	NC	25
9963268	Naphthalene	2025/07/04	94	70 - 130	<0.20	ppbv	NC	25
9963268	o-Xylene	2025/07/04	104	70 - 130	<0.10	ppbv	NC	25
9963268	p+m-Xylene	2025/07/04	112	70 - 130	<0.20	ppbv	NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9963268	Propene	2025/07/04	96	70 - 130	<0.50	ppbv	NC	25
9963268	Styrene	2025/07/04	114	70 - 130	<0.10	ppbv	NC	25
9963268	Tetrachloroethylene	2025/07/04	109	70 - 130	<0.10	ppbv	0.38	25
9963268	Tetrahydrofuran	2025/07/04	101	70 - 130	<0.40	ppbv	NC	25
9963268	Toluene	2025/07/04	110	70 - 130	<0.10	ppbv	4.6	25
9963268	Total Xylenes	2025/07/04	109	70 - 130	<0.30	ppbv	NC	25
9963268	trans-1,2-Dichloroethylene	2025/07/04	104	70 - 130	<0.10	ppbv	NC	25
9963268	trans-1,3-Dichloropropene	2025/07/04	110	70 - 130	<0.10	ppbv	NC	25
9963268	Trichloroethylene	2025/07/04	110	70 - 130	<0.10	ppbv	0.88	25
9963268	Trichlorofluoromethane (FREON 11)	2025/07/04	93	70 - 130	<0.20	ppbv	4.4	25
9963268	Trichlorotrifluoroethane	2025/07/04	104	70 - 130	<0.15	ppbv	10	25
9963268	Vinyl Acetate	2025/07/04	102	70 - 130	<0.20	ppbv	NC	25
9963268	Vinyl Bromide	2025/07/04	110	70 - 130	<0.20	ppbv	NC	25
9963268	Vinyl Chloride	2025/07/04	88	70 - 130	<0.10	ppbv	NC	25
9964741	Aliphatic >C10-C12	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aliphatic >C12-C16	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aliphatic >C5-C6	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aliphatic >C6-C8	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aliphatic >C8-C10	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aromatic >C10-C12	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aromatic >C12-C16	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aromatic >C7-C8 (TEX Excluded)	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aromatic >C8-C10	2025/07/04			<5.0	ug/m3	NC	25

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

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 (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).

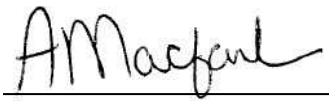
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VALIDATION SIGNATURE PAGE

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



Anke Macfarlane, Laboratory Manager, VOC

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BUREAU VERITAS

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Mississauga Ontario, L5N 2L8
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Fax: (905) 817-5777

C 26-Jun-25 15:26
Julie Clement
C576769

CAM FCD-01302 /5

Summa™ Canister

57765

Page 1 of 1

INVOICE INFORMATION	REPORT INFORMATION
Company Name: STANTEC	Company Name: STANTEC C1V AIR-001
Contact Name: DYLAN HEMMINGS	Project Manager: DYLAN HEMMINGS
Address: 300 1331 CLYDE AVE	Address: 300 1331 CLYDE AVE OTTAWA, ON
E-mail:	E-mail:
Ph:	Ph:
Sampled by: TREVOR SAUNDERS	

ANALYSIS REQUESTED

Field Sample ID	Canister Serial #	Flow Regulator Serial #	Collection Date	START VACUUM (inches of Hg)	END VACUUM (inches of Hg)	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBIENT/COMMERCIAL/INDUSTRIAL	SUB-SLAB GAS	FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	Other				CANISTERS NOT USED
VP14-3	SX1157	FX0016	6/26/25	-27.5	-9	X				X	X							

Received in Ottawa

TAT Requirement

- STD 10 Business day [X]
- Rush 5 Business day * [ ]
- Rush 2 Business day * [ ]
- Rush Other * [ ]

* need approval from Bureau Veritas

PROJECT INFORMATION

Project #: 122170424 · 302
Name:
PO #:
Bureau Veritas Quote #:
Bureau Veritas Contact:
Task Order/Line Item

REPORTING REQUIREMENTS

EDD [ ]
Regulations: ON 153 [ ] ON 419 [ ] BC CSR [ ]
Other

Notes

1) please indicate on chain of custody if your samples are soil vapour or ambient air
2) please list all canisters on the chain of custody even if unused

PROJECT SPECIFIC COMMENTS

Client Signature:
Date/Time: 6/26/25

Received by: Angelica Scuntaya
Date/Time: 2025/06/26 15:26

PLEASE RETURN ALL UNUSED EQUIPMENT

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at https://www.bvna.com/coc-terms-and-conditions

COC-1003 (06/21)

Cindy Vong 2025/06/27 08:24

Your Project #: 122170424.302
Your C.O.C. #: 57765

Attention: Dylan Hemmings

Stantec Consulting Ltd
300 Hagey Blvd
Suite 100
Waterloo, ON
CANADA N2L 0A4

Report Date: 2025/07/10
Report #: R8573060
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C576769
Received: 2025/06/26, 15:26

Sample Matrix: Air
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
BTEX Fractionation in Air (TO-15mod)	1	N/A	2025/07/04	BRL SOP-00304	EPA TO-15 m
Canister Pressure (TO-15)	1	N/A	2025/07/04	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (ug/m3)	1	N/A	2025/07/08	BRL SOP-00304	EPA TO-15 m
Volatile Organics in Air (TO-15) (1)	1	N/A	2025/07/04	BRL SOP-00304	EPA TO-15 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) Air sampling canisters have been cleaned in accordance with U.S. EPA Method TO15. At the end of the cleaning, evacuation, and pressurization cycles, one canister was selected and was pressurized with Zero Air. This canister was then analyzed via TO15 on a GC/MS. The canister must have been found to contain <0.2 ppbv concentration of all target analytes in order for the batch to have been considered clean. Each canister also underwent a leak check prior to shipment.

Please Note: SUMMA® canister samples will be retained by Bureau Veritas for a period of 5 calendar days or as contractually agreed from the date of this report, after which time they will be cleaned for reuse. If you require a longer sample storage period, please contact your service representative.

Your Project #: 122170424.302
Your C.O.C. #: 57765

Attention: Dylan Hemmings

Stantec Consulting Ltd
300 Hagey Blvd
Suite 100
Waterloo, ON
CANADA N2L 0A4

Report Date: 2025/07/10
Report #: R8573060
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C576769
Received: 2025/06/26, 15:26

Encryption Key



Bureau Veritas
10 Jul 2025 08:04:54

Please direct all questions regarding this Certificate of Analysis to:
Cristina (Maria) Bacchus, Project Manager
Email: maria.bacchus@bureauveritas.com
Phone# (905)817-5763

==========

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Bureau Veritas Job #: C576769
Report Date: 2025/07/10

Stantec Consulting Ltd
Client Project #: 122170424.302
Sampler Initials: TS

RESULTS OF ANALYSES OF AIR

Bureau Veritas ID		ASKC15	
Sampling Date		2025/06/26	
COC Number		57765	
	UNITS	**VP14-3**	**QC Batch**
Volatile Organics			
Pressure on Receipt	psig	(-5.0)	9964588
QC Batch = Quality Control Batch			

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Volatile Organics					
Dichlorodifluoromethane (FREON 12)	ppbv	0.46	0.48	0.20	9963268
1,2-Dichlorotetrafluoroethane	ppbv	<0.17	<0.17	0.17	9963268
Chloromethane	ppbv	<0.30	<0.30	0.30	9963268
Vinyl Chloride	ppbv	<0.10	<0.10	0.10	9963268
Chloroethane	ppbv	<0.30	<0.30	0.30	9963268
1,3-Butadiene	ppbv	<0.50	<0.50	0.50	9963268
Trichlorofluoromethane (FREON 11)	ppbv	0.21	0.22	0.20	9963268
Ethanol (ethyl alcohol)	ppbv	48.3	54.3	1.0	9963268
Trichlorotrifluoroethane	ppbv	1.41	1.57	0.15	9963268
2-propanol	ppbv	2.3	2.6	1.0	9963268
2-Propanone	ppbv	4.01	4.64	0.60	9963268
Methyl Ethyl Ketone (2-Butanone)	ppbv	<0.50	<0.50	0.50	9963268
Methyl Isobutyl Ketone	ppbv	<0.20	<0.20	0.20	9963268
Methyl Butyl Ketone (2-Hexanone)	ppbv	<1.0	<1.0	1.0	9963268
Methyl t-butyl ether (MTBE)	ppbv	<0.20	<0.20	0.20	9963268
Ethyl Acetate	ppbv	<1.0	<1.0	1.0	9963268
1,1-Dichloroethylene	ppbv	<0.10	<0.10	0.10	9963268
cis-1,2-Dichloroethylene	ppbv	1.12	1.22	0.10	9963268
trans-1,2-Dichloroethylene	ppbv	<0.10	<0.10	0.10	9963268
Methylene Chloride(Dichloromethane)	ppbv	<0.60	<0.60	0.60	9963268
Chloroform	ppbv	0.12	0.13	0.10	9963268
Carbon Tetrachloride	ppbv	0.12	0.11	0.10	9963268
1,1-Dichloroethane	ppbv	<0.10	<0.10	0.10	9963268
1,2-Dichloroethane	ppbv	<0.10	<0.10	0.10	9963268
Ethylene Dibromide	ppbv	<0.10	<0.10	0.10	9963268
1,1,1-Trichloroethane	ppbv	<0.10	<0.10	0.10	9963268
1,1,2-Trichloroethane	ppbv	<0.10	<0.10	0.10	9963268
1,1,2,2-Tetrachloroethane	ppbv	<0.10	<0.10	0.10	9963268
cis-1,3-Dichloropropene	ppbv	<0.10	<0.10	0.10	9963268
trans-1,3-Dichloropropene	ppbv	<0.10	<0.10	0.10	9963268
1,2-Dichloropropane	ppbv	<0.10	<0.10	0.10	9963268
Bromomethane	ppbv	<0.10	<0.10	0.10	9963268

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Bromoform	ppbv	<0.20	<0.20	0.20	9963268
Bromodichloromethane	ppbv	<0.20	<0.20	0.20	9963268
Dibromochloromethane	ppbv	<0.20	<0.20	0.20	9963268
Trichloroethylene	ppbv	4.93	4.89	0.10	9963268
Tetrachloroethylene	ppbv	10.1	10.1	0.10	9963268
Benzene	ppbv	0.12	0.11	0.10	9963268
Toluene	ppbv	0.38	0.36	0.10	9963268
Ethylbenzene	ppbv	<0.10	<0.10	0.10	9963268
p+m-Xylene	ppbv	<0.20	<0.20	0.20	9963268
o-Xylene	ppbv	<0.10	<0.10	0.10	9963268
Styrene	ppbv	<0.10	<0.10	0.10	9963268
4-ethyltoluene	ppbv	<0.50	<0.50	0.50	9963268
1,3,5-Trimethylbenzene	ppbv	<0.50	<0.50	0.50	9963268
1,2,4-Trimethylbenzene	ppbv	<0.50	<0.50	0.50	9963268
Chlorobenzene	ppbv	<0.10	<0.10	0.10	9963268
Benzyl chloride	ppbv	<0.50	<0.50	0.50	9963268
1,3-Dichlorobenzene	ppbv	<0.40	<0.40	0.40	9963268
1,4-Dichlorobenzene	ppbv	<0.10	<0.10	0.10	9963268
1,2-Dichlorobenzene	ppbv	<0.10	<0.10	0.10	9963268
1,2,4-Trichlorobenzene	ppbv	<0.50	<0.50	0.50	9963268
Hexachlorobutadiene	ppbv	<0.50	<0.50	0.50	9963268
Hexane	ppbv	<0.20	<0.20	0.20	9963268
Heptane	ppbv	<0.30	<0.30	0.30	9963268
Cyclohexane	ppbv	<0.20	<0.20	0.20	9963268
Tetrahydrofuran	ppbv	<0.40	<0.40	0.40	9963268
1,4-Dioxane	ppbv	<1.0	<1.0	1.0	9963268
Naphthalene	ppbv	<0.20	<0.20	0.20	9963268
Total Xylenes	ppbv	<0.30	<0.30	0.30	9963268
1,1,1,2-Tetrachloroethane	ppbv	<0.10	<0.10	0.10	9963268
Vinyl Bromide	ppbv	<0.20	<0.20	0.20	9963268
Propene	ppbv	<0.50	<0.50	0.50	9963268
2,2,4-Trimethylpentane	ppbv	<0.20	<0.20	0.20	9963268
Carbon Disulfide	ppbv	<0.50	<0.50	0.50	9963268

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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VOLATILE ORGANICS BY GC/MS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	**VP14-3**	**VP14-3 Lab-Dup**	**RDL**	**QC Batch**
Vinyl Acetate	ppbv	<0.20	<0.20	0.20	9963268
Surrogate Recovery (%)					
Bromochloromethane	%	105	93		9963268
D5-Chlorobenzene	%	102	100		9963268
Difluorobenzene	%	90	88		9963268

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Calculated Parameters					
Dichlorodifluoromethane (FREON 12)	ug/m3	2.27	2.38	0.99	9959302
1,2-Dichlorotetrafluoroethane	ug/m3	<1.2	<1.2	1.2	9959302
Chloromethane	ug/m3	<0.62	<0.62	0.62	9959302
Vinyl Chloride	ug/m3	<0.26	<0.26	0.26	9959302
Chloroethane	ug/m3	<0.79	<0.79	0.79	9959302
1,3-Butadiene	ug/m3	<1.1	<1.1	1.1	9959302
Trichlorofluoromethane (FREON 11)	ug/m3	1.2	1.2	1.1	9959302
Ethanol (ethyl alcohol)	ug/m3	91.0	102	1.9	9959302
Trichlorotrifluoroethane	ug/m3	10.8	12.0	1.2	9959302
2-propanol	ug/m3	5.6	6.4	2.5	9959302
2-Propanone	ug/m3	9.5	11.0	1.4	9959302
Methyl Ethyl Ketone (2-Butanone)	ug/m3	<1.5	<1.5	1.5	9959302
Methyl Isobutyl Ketone	ug/m3	<0.82	<0.82	0.82	9959302
Methyl Butyl Ketone (2-Hexanone)	ug/m3	<4.1	<4.1	4.1	9959302
Methyl t-butyl ether (MTBE)	ug/m3	<0.72	<0.72	0.72	9959302
Ethyl Acetate	ug/m3	<3.6	<3.6	3.6	9959302
1,1-Dichloroethylene	ug/m3	<0.40	<0.40	0.40	9959302
cis-1,2-Dichloroethylene	ug/m3	4.44	4.85	0.40	9959302
trans-1,2-Dichloroethylene	ug/m3	<0.40	<0.40	0.40	9959302
Methylene Chloride(Dichloromethane)	ug/m3	<2.1	<2.1	2.1	9959302
Chloroform	ug/m3	0.61	0.63	0.49	9959302
Carbon Tetrachloride	ug/m3	0.78	0.71	0.63	9959302
1,1-Dichloroethane	ug/m3	<0.40	<0.40	0.40	9959302
1,2-Dichloroethane	ug/m3	<0.40	<0.40	0.40	9959302
Ethylene Dibromide	ug/m3	<0.77	<0.77	0.77	9959302
1,1,1-Trichloroethane	ug/m3	<0.55	<0.55	0.55	9959302
1,1,2-Trichloroethane	ug/m3	<0.55	<0.55	0.55	9959302
1,1,2,2-Tetrachloroethane	ug/m3	<0.69	<0.69	0.69	9959302
cis-1,3-Dichloropropene	ug/m3	<0.45	<0.45	0.45	9959302
trans-1,3-Dichloropropene	ug/m3	<0.45	<0.45	0.45	9959302
1,2-Dichloropropane	ug/m3	<0.46	<0.46	0.46	9959302
Bromomethane	ug/m3	<0.39	<0.39	0.39	9959302

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Lab-Dup = Laboratory Initiated Duplicate

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CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Bromoform	ug/m3	<2.1	<2.1	2.1	9959302
Bromodichloromethane	ug/m3	<1.3	<1.3	1.3	9959302
Dibromochloromethane	ug/m3	<1.7	<1.7	1.7	9959302
Trichloroethylene	ug/m3	26.5	26.3	0.54	9959302
Tetrachloroethylene	ug/m3	68.6	68.3	0.68	9959302
Benzene	ug/m3	0.38	0.34	0.32	9959302
Toluene	ug/m3	1.41	1.35	0.38	9959302
Ethylbenzene	ug/m3	<0.43	<0.43	0.43	9959302
p+m-Xylene	ug/m3	<0.87	<0.87	0.87	9959302
o-Xylene	ug/m3	<0.43	<0.43	0.43	9959302
Styrene	ug/m3	<0.43	<0.43	0.43	9959302
4-ethyltoluene	ug/m3	<2.5	<2.5	2.5	9959302
1,3,5-Trimethylbenzene	ug/m3	<2.5	<2.5	2.5	9959302
1,2,4-Trimethylbenzene	ug/m3	<2.5	<2.5	2.5	9959302
Chlorobenzene	ug/m3	<0.46	<0.46	0.46	9959302
Benzyl chloride	ug/m3	<2.6	<2.6	2.6	9959302
1,3-Dichlorobenzene	ug/m3	<2.4	<2.4	2.4	9959302
1,4-Dichlorobenzene	ug/m3	<0.60	<0.60	0.60	9959302
1,2-Dichlorobenzene	ug/m3	<0.60	<0.60	0.60	9959302
1,2,4-Trichlorobenzene	ug/m3	<3.7	<3.7	3.7	9959302
Hexachlorobutadiene	ug/m3	<5.3	<5.3	5.3	9959302
Hexane	ug/m3	<0.70	<0.70	0.70	9959302
Heptane	ug/m3	<1.2	<1.2	1.2	9959302
Cyclohexane	ug/m3	<0.69	<0.69	0.69	9959302
Tetrahydrofuran	ug/m3	<1.2	<1.2	1.2	9959302
1,4-Dioxane	ug/m3	<3.6	<3.6	3.6	9959302
Naphthalene	ug/m3	<1.0	<1.0	1.0	9959302
Total Xylenes	ug/m3	<1.3	<1.3	1.3	9959302
1,1,1,2-Tetrachloroethane	ug/m3	<0.69	<0.69	0.69	9959302
Vinyl Bromide	ug/m3	<0.87	<0.87	0.87	9959302
Propene	ug/m3	<0.86	<0.86	0.86	9959302
2,2,4-Trimethylpentane	ug/m3	<0.93	<0.93	0.93	9959302
Carbon Disulfide	ug/m3	<1.6	<1.6	1.6	9959302

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

CALCULATED VOLATILE ORGANICS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	**VP14-3**	**VP14-3 Lab-Dup**	**RDL**	**QC Batch**
Vinyl Acetate	ug/m3	<0.70	<0.70	0.70	9959302

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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VOLATILE ORGANIC HYDROCARBONS BY GC/MS (AIR)

Bureau Veritas ID		ASKC15	ASKC15		
Sampling Date		2025/06/26	2025/06/26		
COC Number		57765	57765		
	UNITS	VP14-3	VP14-3 Lab-Dup	RDL	QC Batch
Volatile Organics					
Aliphatic >C5-C6	ug/m3	<5.0	<5.0	5.0	9964741
Aliphatic >C6-C8	ug/m3	<5.0	<5.0	5.0	9964741
Aliphatic >C8-C10	ug/m3	<5.0	<5.0	5.0	9964741
Aliphatic >C10-C12	ug/m3	<5.0	<5.0	5.0	9964741
Aliphatic >C12-C16	ug/m3	<5.0	<5.0	5.0	9964741
Aromatic >C7-C8 (TEX Excluded)	ug/m3	<5.0	<5.0	5.0	9964741
Aromatic >C8-C10	ug/m3	<5.0	<5.0	5.0	9964741
Aromatic >C10-C12	ug/m3	<5.0	<5.0	5.0	9964741
Aromatic >C12-C16	ug/m3	<5.0	<5.0	5.0	9964741
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	90	88		9964741
Bromochloromethane	%	105	93		9964741
D5-Chlorobenzene	%	102	100		9964741

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C576769
Report Date: 2025/07/10

Stantec Consulting Ltd
Client Project #: 122170424.302
Sampler Initials: TS

TEST SUMMARY

Bureau Veritas ID: ASKC15
Sample ID: VP14-3
Matrix: Air

Collected: 2025/06/26
Shipped:
Received: 2025/06/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9964741	N/A	2025/07/04	Pratima Patel
Canister Pressure (TO-15)	PRES	9964588	N/A	2025/07/04	Pratima Patel
Volatile Organics in Air (ug/m3)	GC/MS	9959302	N/A	2025/07/08	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9963268	N/A	2025/07/04	Pratima Patel

Bureau Veritas ID: ASKC15 Dup
Sample ID: VP14-3
Matrix: Air

Collected: 2025/06/26
Shipped:
Received: 2025/06/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
BTEX Fractionation in Air (TO-15mod)	GC/MS	9964741	N/A	2025/07/04	Pratima Patel
Volatile Organics in Air (ug/m3)	GC/MS	9959302	N/A	2025/07/10	Automated Statchk
Volatile Organics in Air (TO-15)	GC/MS	9963268	N/A	2025/07/04	Pratima Patel

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GENERAL COMMENTS

WS#9963268: Ethanol was less than 60% recovery in the reference standard. The continuing calibration standard was acceptable therefore there should be no effect on the data.

Sample ASKC15 [VP14-3] : Increased DL for 2-butanone due to interference.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9963268	Bromochloromethane	2025/07/04	101	60 - 140	118	%		
9963268	D5-Chlorobenzene	2025/07/04	103	60 - 140	115	%		
9963268	Difluorobenzene	2025/07/04	103	60 - 140	119	%		
9964741	1,4-Difluorobenzene	2025/07/04	103	60 - 140	119	%		
9964741	Bromochloromethane	2025/07/04	101	60 - 140	118	%		
9964741	D5-Chlorobenzene	2025/07/04	103	60 - 140	115	%		
9959302	1,1,1,2-Tetrachloroethane	2025/07/10					NC	25
9959302	1,1,1-Trichloroethane	2025/07/10					NC	25
9959302	1,1,2,2-Tetrachloroethane	2025/07/10					NC	25
9959302	1,1,2-Trichloroethane	2025/07/10					NC	25
9959302	1,1-Dichloroethane	2025/07/10					NC	25
9959302	1,1-Dichloroethylene	2025/07/10					NC	25
9959302	1,2,4-Trichlorobenzene	2025/07/10					NC	25
9959302	1,2,4-Trimethylbenzene	2025/07/10					NC	25
9959302	1,2-Dichlorobenzene	2025/07/10					NC	25
9959302	1,2-Dichloroethane	2025/07/10					NC	25
9959302	1,2-Dichloropropane	2025/07/10					NC	25
9959302	1,2-Dichlorotetrafluoroethane	2025/07/10					NC	25
9959302	1,3,5-Trimethylbenzene	2025/07/10					NC	25
9959302	1,3-Butadiene	2025/07/10					NC	25
9959302	1,3-Dichlorobenzene	2025/07/10					NC	25
9959302	1,4-Dichlorobenzene	2025/07/10					NC	25
9959302	1,4-Dioxane	2025/07/10					NC	25
9959302	2,2,4-Trimethylpentane	2025/07/10					NC	25
9959302	2-propanol	2025/07/10					12	25
9959302	2-Propanone	2025/07/10					14	25
9959302	4-ethyltoluene	2025/07/10					NC	25
9959302	Benzene	2025/07/10					12	25
9959302	Benzyl chloride	2025/07/10					NC	25
9959302	Bromodichloromethane	2025/07/10					NC	25
9959302	Bromoform	2025/07/10					NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9959302	Bromomethane	2025/07/10					NC	25
9959302	Carbon Disulfide	2025/07/10					NC	25
9959302	Carbon Tetrachloride	2025/07/10					9.9	25
9959302	Chlorobenzene	2025/07/10					NC	25
9959302	Chloroethane	2025/07/10					NC	25
9959302	Chloroform	2025/07/10					3.5	25
9959302	Chloromethane	2025/07/10					NC	25
9959302	cis-1,2-Dichloroethylene	2025/07/10					8.8	25
9959302	cis-1,3-Dichloropropene	2025/07/10					NC	25
9959302	Cyclohexane	2025/07/10					NC	25
9959302	Dibromochloromethane	2025/07/10					NC	25
9959302	Dichlorodifluoromethane (FREON 12)	2025/07/10					4.6	25
9959302	Ethanol (ethyl alcohol)	2025/07/10					12	25
9959302	Ethyl Acetate	2025/07/10					NC	25
9959302	Ethylbenzene	2025/07/10					NC	25
9959302	Ethylene Dibromide	2025/07/10					NC	25
9959302	Heptane	2025/07/10					NC	25
9959302	Hexachlorobutadiene	2025/07/10					NC	25
9959302	Hexane	2025/07/10					NC	25
9959302	Methyl Butyl Ketone (2-Hexanone)	2025/07/10					NC	25
9959302	Methyl Ethyl Ketone (2-Butanone)	2025/07/10					NC	25
9959302	Methyl Isobutyl Ketone	2025/07/10					NC	25
9959302	Methyl t-butyl ether (MTBE)	2025/07/10					NC	25
9959302	Methylene Chloride(Dichloromethane)	2025/07/10					NC	25
9959302	Naphthalene	2025/07/10					NC	25
9959302	o-Xylene	2025/07/10					NC	25
9959302	p+m-Xylene	2025/07/10					NC	25
9959302	Propene	2025/07/10					NC	25
9959302	Styrene	2025/07/10					NC	25
9959302	Tetrachloroethylene	2025/07/10					0.38	25
9959302	Tetrahydrofuran	2025/07/10					NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9959302	Toluene	2025/07/10					4.6	25
9959302	Total Xylenes	2025/07/10					NC	25
9959302	trans-1,2-Dichloroethylene	2025/07/10					NC	25
9959302	trans-1,3-Dichloropropene	2025/07/10					NC	25
9959302	Trichloroethylene	2025/07/10					0.88	25
9959302	Trichlorofluoromethane (FREON 11)	2025/07/10					4.4	25
9959302	Trichlorotrifluoroethane	2025/07/10					10	25
9959302	Vinyl Acetate	2025/07/10					NC	25
9959302	Vinyl Bromide	2025/07/10					NC	25
9959302	Vinyl Chloride	2025/07/10					NC	25
9963268	1,1,1,2-Tetrachloroethane	2025/07/04	122	70 - 130	<0.10	ppbv	NC	25
9963268	1,1,1-Trichloroethane	2025/07/04	107	70 - 130	<0.10	ppbv	NC	25
9963268	1,1,2,2-Tetrachloroethane	2025/07/04	97	70 - 130	<0.10	ppbv	NC	25
9963268	1,1,2-Trichloroethane	2025/07/04	104	70 - 130	<0.10	ppbv	NC	25
9963268	1,1-Dichloroethane	2025/07/04	101	70 - 130	<0.10	ppbv	NC	25
9963268	1,1-Dichloroethylene	2025/07/04	99	70 - 130	<0.10	ppbv	NC	25
9963268	1,2,4-Trichlorobenzene	2025/07/04	97	70 - 130	<0.50	ppbv	NC	25
9963268	1,2,4-Trimethylbenzene	2025/07/04	108	70 - 130	<0.50	ppbv	NC	25
9963268	1,2-Dichlorobenzene	2025/07/04	100	70 - 130	<0.10	ppbv	NC	25
9963268	1,2-Dichloroethane	2025/07/04	99	70 - 130	<0.10	ppbv	NC	25
9963268	1,2-Dichloropropane	2025/07/04	104	70 - 130	<0.10	ppbv	NC	25
9963268	1,2-Dichlorotetrafluoroethane	2025/07/04	87	70 - 130	<0.17	ppbv	NC	25
9963268	1,3,5-Trimethylbenzene	2025/07/04	107	70 - 130	<0.50	ppbv	NC	25
9963268	1,3-Butadiene	2025/07/04	93	70 - 130	<0.50	ppbv	NC	25
9963268	1,3-Dichlorobenzene	2025/07/04	102	70 - 130	<0.40	ppbv	NC	25
9963268	1,4-Dichlorobenzene	2025/07/04	98	70 - 130	<0.10	ppbv	NC	25
9963268	1,4-Dioxane	2025/07/04	114	70 - 130	<1.0	ppbv	NC	25
9963268	2,2,4-Trimethylpentane	2025/07/04	112	70 - 130	<0.20	ppbv	NC	25
9963268	2-propanol	2025/07/04	92	70 - 130	<1.0	ppbv	12	25
9963268	2-Propanone	2025/07/04	77	70 - 130	<0.60	ppbv	14	25
9963268	4-ethyltoluene	2025/07/04	112	70 - 130	<0.50	ppbv	NC	25

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QUALITY ASSURANCE REPORT(CONT'D)

			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9963268	Benzene	2025/07/04	106	70 - 130	<0.10	ppbv	12	25
9963268	Benzyl chloride	2025/07/04	111	70 - 130	<0.50	ppbv	NC	25
9963268	Bromodichloromethane	2025/07/04	111	70 - 130	<0.20	ppbv	NC	25
9963268	Bromoform	2025/07/04	107	70 - 130	<0.20	ppbv	NC	25
9963268	Bromomethane	2025/07/04	83	70 - 130	<0.10	ppbv	NC	25
9963268	Carbon Disulfide	2025/07/04	105	70 - 130	<0.50	ppbv	NC	25
9963268	Carbon Tetrachloride	2025/07/04	114	70 - 130	<0.10	ppbv	9.9	25
9963268	Chlorobenzene	2025/07/04	106	70 - 130	<0.10	ppbv	NC	25
9963268	Chloroethane	2025/07/04	88	70 - 130	<0.30	ppbv	NC	25
9963268	Chloroform	2025/07/04	103	70 - 130	<0.10	ppbv	3.5	25
9963268	Chloromethane	2025/07/04	85	70 - 130	<0.30	ppbv	NC	25
9963268	cis-1,2-Dichloroethylene	2025/07/04	102	70 - 130	<0.10	ppbv	8.8	25
9963268	cis-1,3-Dichloropropene	2025/07/04	107	70 - 130	<0.10	ppbv	NC	25
9963268	Cyclohexane	2025/07/04	113	70 - 130	<0.20	ppbv	NC	25
9963268	Dibromochloromethane	2025/07/04	115	70 - 130	<0.20	ppbv	NC	25
9963268	Dichlorodifluoromethane (FREON 12)	2025/07/04	96	70 - 130	<0.20	ppbv	4.6	25
9963268	Ethanol (ethyl alcohol)	2025/07/04	49 (1)	70 - 130	<1.0	ppbv	12	25
9963268	Ethyl Acetate	2025/07/04	96	70 - 130	<1.0	ppbv	NC	25
9963268	Ethylbenzene	2025/07/04	111	70 - 130	<0.10	ppbv	NC	25
9963268	Ethylene Dibromide	2025/07/04	106	70 - 130	<0.10	ppbv	NC	25
9963268	Heptane	2025/07/04	104	70 - 130	<0.30	ppbv	NC	25
9963268	Hexachlorobutadiene	2025/07/04	91	70 - 130	<0.50	ppbv	NC	25
9963268	Hexane	2025/07/04	103	70 - 130	<0.20	ppbv	NC	25
9963268	Methyl Butyl Ketone (2-Hexanone)	2025/07/04	105	70 - 130	<1.0	ppbv	NC	25
9963268	Methyl Ethyl Ketone (2-Butanone)	2025/07/04	100	70 - 130	<0.20	ppbv	NC	25
9963268	Methyl Isobutyl Ketone	2025/07/04	106	70 - 130	<0.20	ppbv	NC	25
9963268	Methyl t-butyl ether (MTBE)	2025/07/04	115	70 - 130	<0.20	ppbv	NC	25
9963268	Methylene Chloride(Dichloromethane)	2025/07/04	94	70 - 130	<0.60	ppbv	NC	25
9963268	Naphthalene	2025/07/04	94	70 - 130	<0.20	ppbv	NC	25
9963268	o-Xylene	2025/07/04	104	70 - 130	<0.10	ppbv	NC	25
9963268	p+m-Xylene	2025/07/04	112	70 - 130	<0.20	ppbv	NC	25

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			SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9963268	Propene	2025/07/04	96	70 - 130	<0.50	ppbv	NC	25
9963268	Styrene	2025/07/04	114	70 - 130	<0.10	ppbv	NC	25
9963268	Tetrachloroethylene	2025/07/04	109	70 - 130	<0.10	ppbv	0.38	25
9963268	Tetrahydrofuran	2025/07/04	101	70 - 130	<0.40	ppbv	NC	25
9963268	Toluene	2025/07/04	110	70 - 130	<0.10	ppbv	4.6	25
9963268	Total Xylenes	2025/07/04	109	70 - 130	<0.30	ppbv	NC	25
9963268	trans-1,2-Dichloroethylene	2025/07/04	104	70 - 130	<0.10	ppbv	NC	25
9963268	trans-1,3-Dichloropropene	2025/07/04	110	70 - 130	<0.10	ppbv	NC	25
9963268	Trichloroethylene	2025/07/04	110	70 - 130	<0.10	ppbv	0.88	25
9963268	Trichlorofluoromethane (FREON 11)	2025/07/04	93	70 - 130	<0.20	ppbv	4.4	25
9963268	Trichlorotrifluoroethane	2025/07/04	104	70 - 130	<0.15	ppbv	10	25
9963268	Vinyl Acetate	2025/07/04	102	70 - 130	<0.20	ppbv	NC	25
9963268	Vinyl Bromide	2025/07/04	110	70 - 130	<0.20	ppbv	NC	25
9963268	Vinyl Chloride	2025/07/04	88	70 - 130	<0.10	ppbv	NC	25
9964741	Aliphatic >C10-C12	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aliphatic >C12-C16	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aliphatic >C5-C6	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aliphatic >C6-C8	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aliphatic >C8-C10	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aromatic >C10-C12	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aromatic >C12-C16	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aromatic >C7-C8 (TEX Excluded)	2025/07/04			<5.0	ug/m3	NC	25
9964741	Aromatic >C8-C10	2025/07/04			<5.0	ug/m3	NC	25

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

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 (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).

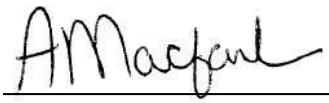
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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VALIDATION SIGNATURE PAGE

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



Anke Macfarlane, Laboratory Manager, VOC

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 Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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C 26-Jun-25 15:26
Julie Clement
C576769

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Summa™ Canister

57765

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INVOICE INFORMATION	REPORT INFORMATION
Company Name: STANTEC	Company Name: STANTEC C1V AIR-001
Contact Name: DYLAN HEMMINGS	Project Manager: DYLAN HEMMINGS
Address: 300 1331 CLYDE AVE	Address: 300 1331 CLYDE AVE OTTAWA, ON
E-mail:	E-mail:
Ph:	Ph:
Sampled by: TREVOR SAUNDERS	

ANALYSIS REQUESTED

Field Sample ID	Canister Serial #	Flow Regulator Serial #	Collection Date	START VACUUM (inches of Hg)	END VACUUM (inches of Hg)	SOIL VAPOUR	AMBIENT/INDOOR AIR	AMBIENT/COMMERCIAL/INDUSTRIAL	SUB-SLAB GAS	FULL LIST OF VOCs (reference TO15A)	BTEX/Aromatic/Aliphatic Hydrocarbon Fractions	BTEX/F1 (C6-C10) and F2 (C10-C16)	Selected VOC's - please specify	Other				CANISTERS NOT USED
VP14-3	SX11157	FX00116	6/26/25	-27.5	-9	X				X	X							

Received in Ottawa

TAT Requirement

- STD 10 Business day [X]
- Rush 5 Business day * [ ]
- Rush 2 Business day * [ ]
- Rush Other * [ ]

* need approval from Bureau Veritas

PROJECT INFORMATION

Project #: 122170424 · 302
Name:
PO #:
Bureau Veritas Quote #:
Bureau Veritas Contact:
Task Order/Line Item:

REPORTING REQUIREMENTS

EDD [ ]
Regulations: ON 153 [ ] ON 419 [ ] BC CSR [ ]
Other

Notes

1) please indicate on chain of custody if your samples are soil vapour or ambient air
2) please list all canisters on the chain of custody even if unused

PROJECT SPECIFIC COMMENTS

Client Signature:
Date/Time: 6/26/25

Received by: Angelica Santuyo JBT
Date/Time: 2025/06/26 15:26

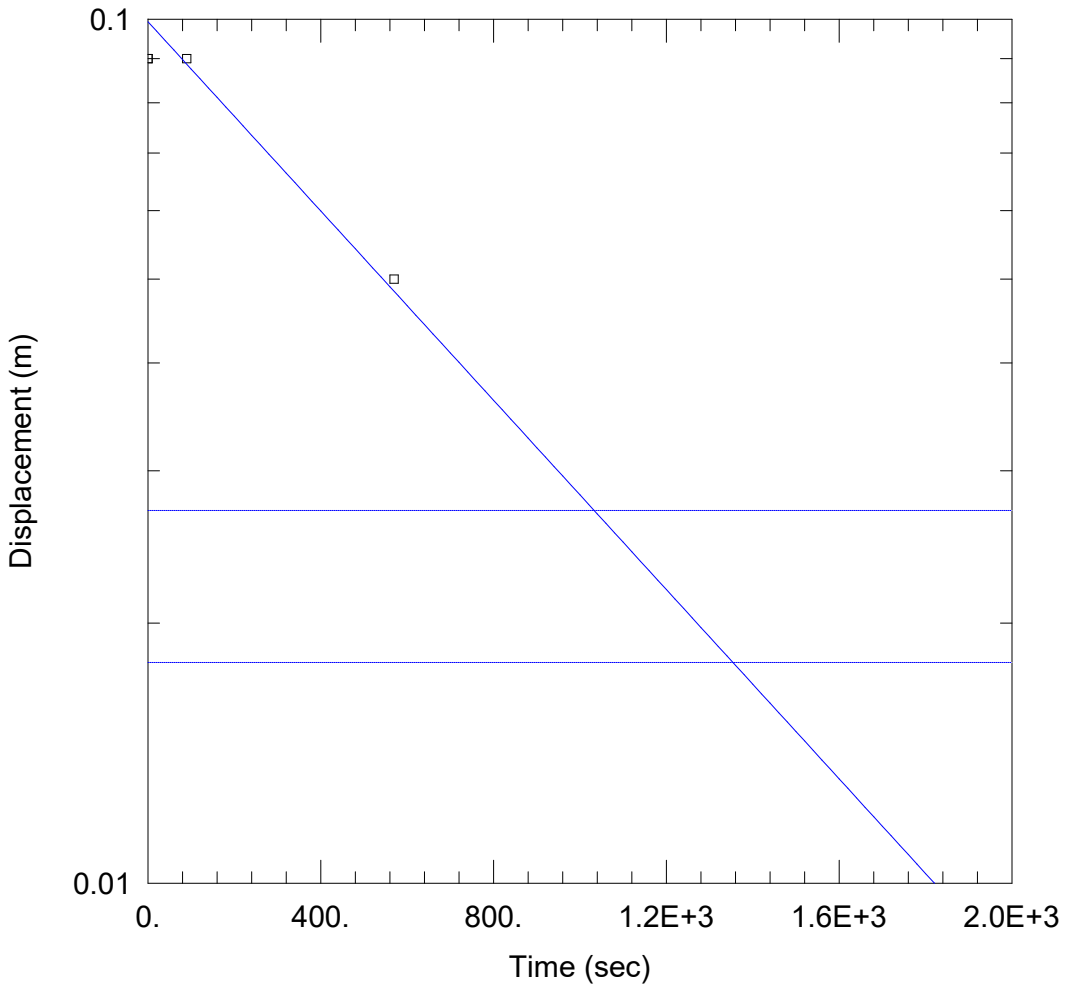
PLEASE RETURN ALL UNUSED EQUIPMENT

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at https://www.bvna.com/coc-terms-and-conditions

COC-1003 (06/21)

Cindy Vong 2025/06/27 08:24

Appendix E Hydraulic Conductivity Worksheets



MW14-1A FALLING HEAD TEST

Data Set: \...\MW14-1A Falling Head Test_ST_JK.aqt
Date: 06/03/25 Time: 13:04:03

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW14-1A
Test Date: April 29, 2025

AQUIFER DATA

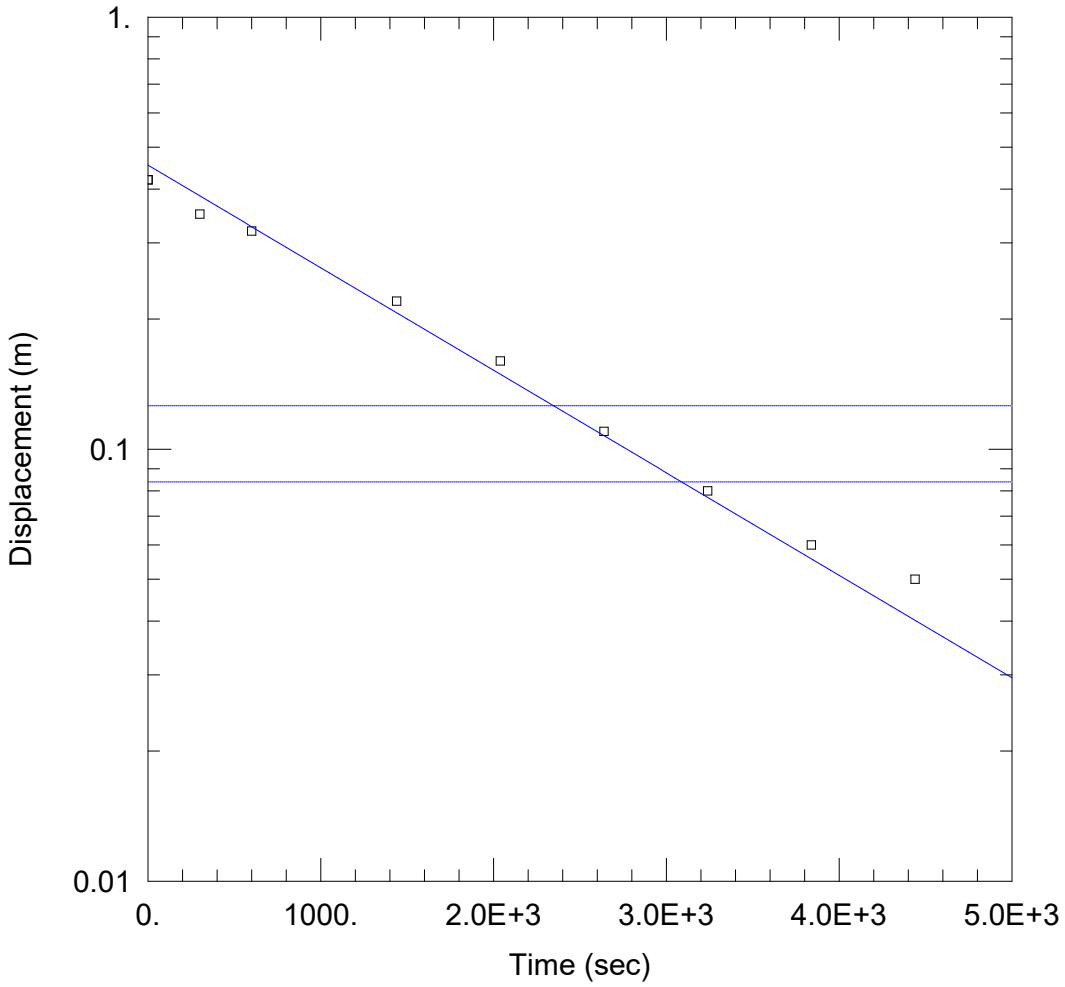
Saturated Thickness: 7.11 m
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW14-1A)

Initial Displacement: 0.09 m
Total Well Penetration Depth: 7.11 m
Casing Radius: 0.0191 m
Static Water Column Height: 7.11 m
Screen Length: 3.05 m
Well Radius: 0.049 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.0E-7 m/sec
y0 = 0.09931 m



MW14-1A RISING HEAD TEST

Data Set: \...\MW14-1A Rising Head Test_ST_JK.aqt
Date: 06/03/25 Time: 13:03:08

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW14-1A
Test Date: April 29, 2025

AQUIFER DATA

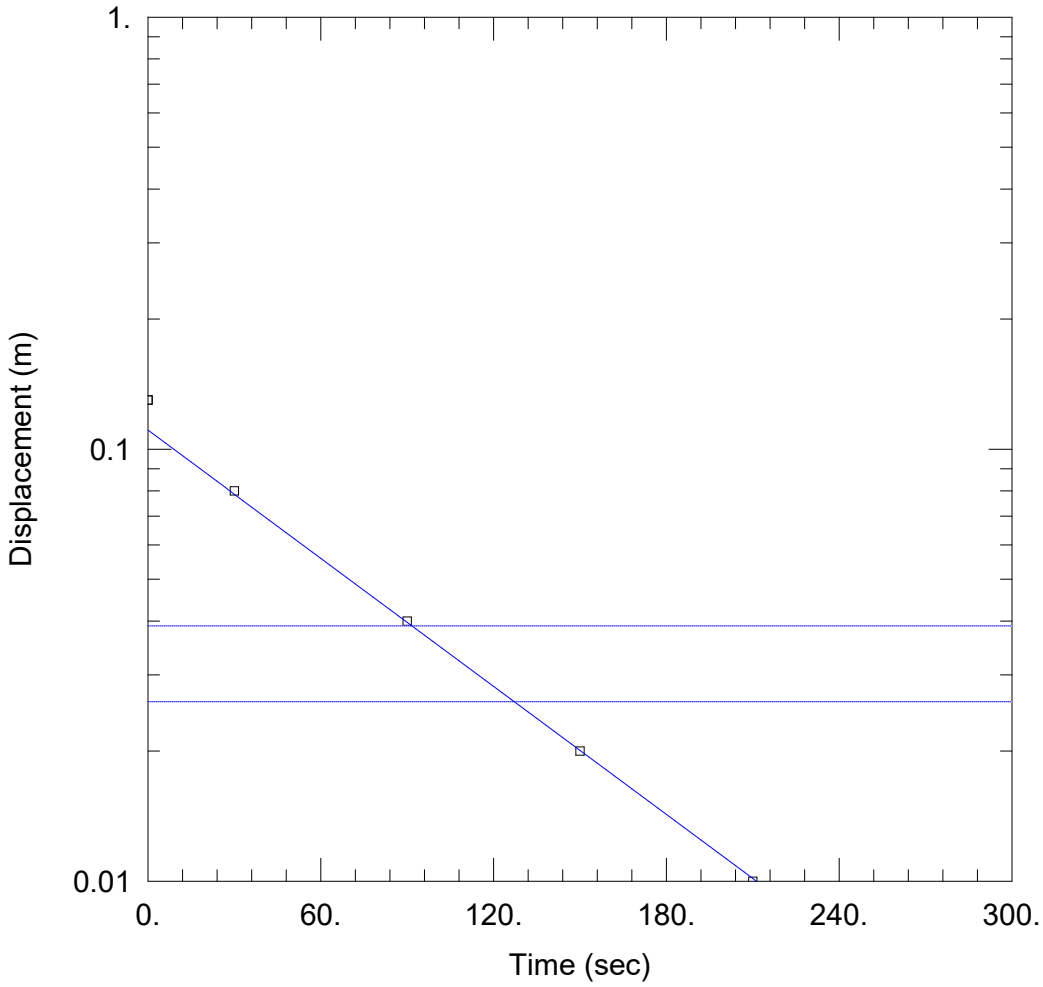
Saturated Thickness: 7.11 m Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW14-1A)

Initial Displacement: 0.42 m
Total Well Penetration Depth: 7.11 m
Casing Radius: 0.0191 m
Static Water Column Height: 7.11 m
Screen Length: 3.05 m
Well Radius: 0.049 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.3E-7 m/sec
y0 = 0.4542 m



MW14-1B RISING HEAD TEST

Data Set: \...\MW14-1B Rising Head Test_ST_JK.aqt
Date: 06/03/25 Time: 13:34:05

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW14-1B
Test Date: April 29, 2025

AQUIFER DATA

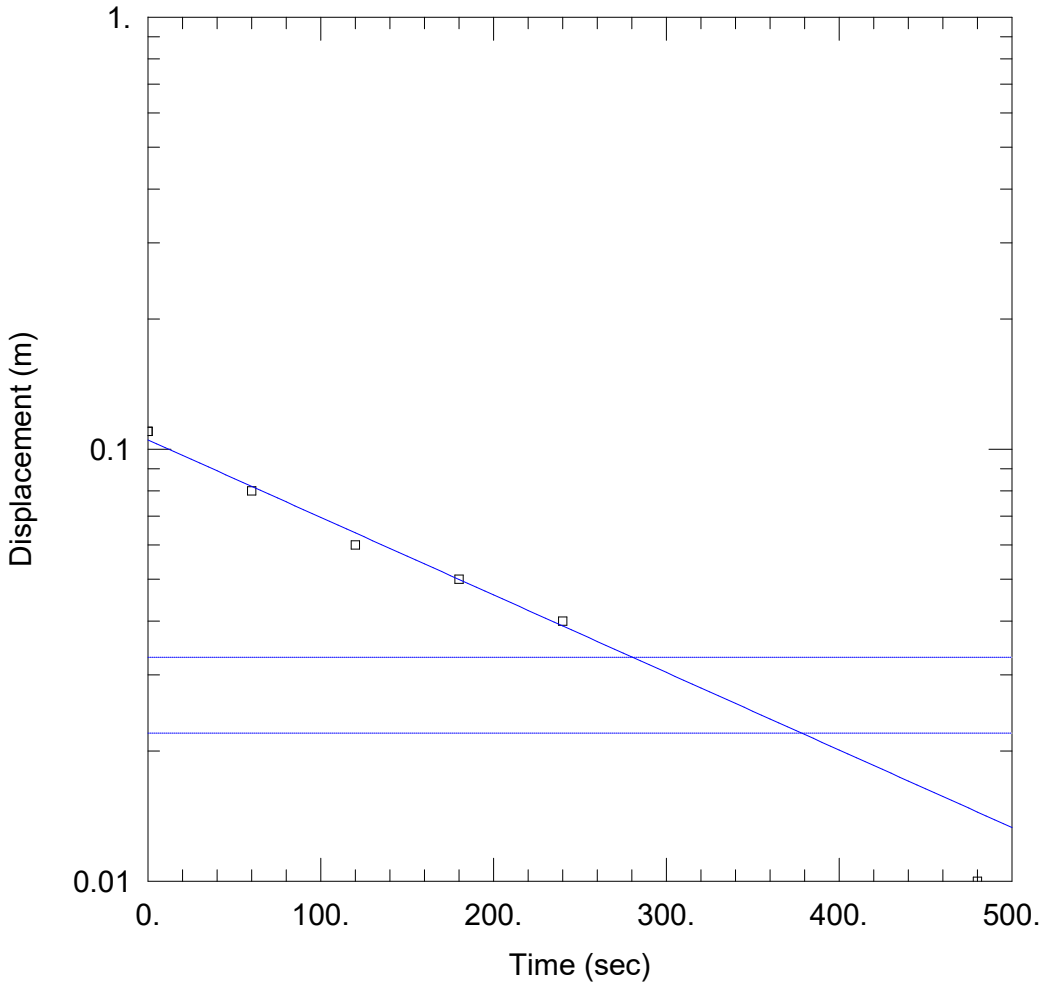
Saturated Thickness: 3.42 m
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW14-1B)

Initial Displacement: 0.13 m
Total Well Penetration Depth: 3.42 m
Casing Radius: 0.0191 m
Static Water Column Height: 3.42 m
Screen Length: 3.05 m
Well Radius: 0.049 m
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 6.4E-6 m/sec
y0 = 0.1106 m



MW19-12B RISING HEAD TEST 1

Data Set: \...\MW19-12B Rising Head Test 1_ST_JK.aqt
Date: 06/03/25 Time: 13:59:37

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW19-12B
Test Date: April 29, 2025

AQUIFER DATA

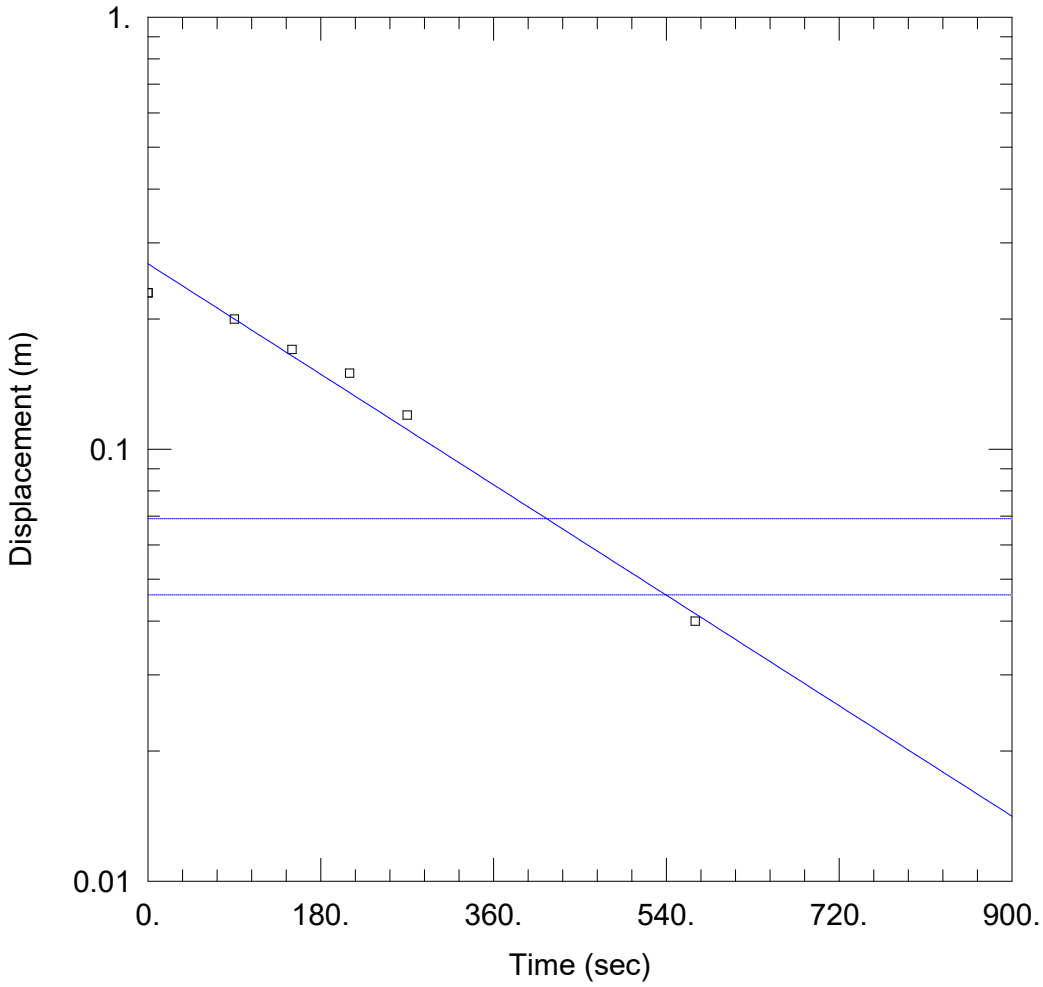
Saturated Thickness: 7.08 m Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW19-12B)

Initial Displacement: 0.11 m
Total Well Penetration Depth: 7.08 m
Casing Radius: 0.0127 m
Static Water Column Height: 7.08 m
Screen Length: 3.05 m
Well Radius: 0.38 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.4E-7 m/sec
y0 = 0.1051 m



MW19-12B RISING HEAD TEST 2

Data Set: \...\MW19-12B Rising Head Test 2_ST_JK.aqt
Date: 06/03/25 Time: 14:02:53

PROJECT INFORMATION

Company: Stantec
Project: 122170424
Location: 233 Armstrong Street, Ottawa
Test Well: MW19-12B
Test Date: April 29, 2025

AQUIFER DATA

Saturated Thickness: 7.08 m
Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW19-12B)

Initial Displacement: 0.23 m
Total Well Penetration Depth: 7.08 m
Casing Radius: 0.0127 m
Static Water Column Height: 7.08 m
Screen Length: 3.05 m
Well Radius: 0.38 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.9E-7 m/sec
y0 = 0.2685 m