SUPPLEMENTAL SITE INVESTIGATION REPORT

South Main Street Property
24, 28, and 32 South Main Street
Hartford, Wisconsin

WDNR BRRTS No. 02-67-220908

Prepared for:
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Stantec Project No. 193708879

Stantec

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CERTIFICATIONS

"I, Erin Gross, hereby certify that I am a hydrogeologist as that term is defined in section (s.) NR 712.03 (1), Wisconsin Administrative Code (WAC), am registered in accordance with the requirements of chapter (ch.) Geologists, Hydrologists and Soil Scientists (GHSS) 2, WAC, or licensed in accordance with the requirements of ch. GHSS 3, WAC, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, WAC."

Erin Gross, PG No. 1378-13 — Date: 10/13/2022

Sign-off Sheet

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QUALITY ASSURANCE REVIEW

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1.0 EXECUTIVE SUMMARY

Stantec Consulting Services Inc. (Stantec) prepared this Supplemental Site Investigation (SSI) report on behalf of Washington County (the "County"). The report documents field sampling and associated laboratory analyses performed on the 0.33-acre property located at 24, 28 and 32 South Main Street in Hartford, Wisconsin (the "Site"). The purpose of the SSI was to further evaluate current soil, groundwater, and vapor conditions related to the contamination previously identified as part of a Phase II Environmental Site Assessment (ESA) of the Site. The SSI scope of work was completed in accordance with a workplan prepared by Stantec and submitted to the Washington County Site Redevelopment Steering Committee (SRC) on January 25, 2022. Mr. John Feeney of WDNR was notified of the investigation and scope of work via email on April 5, 2022, and Mr. Feeney responded via email on the same day with no comments. The work was performed using Washington County's Brownfields Assessment Funding with a 20% match provided by the City of Hartford.

The Site consists of three contiguous parcels of land operating as a vacant paved parking lot. The Site was previously utilized for commercial purposes such as a dry cleaner, auto repair (with at least two gasoline underground storage tanks (USTs) located within South Main Street), a black smith, and a wagon shop. The South Main Street rights-of-way borders the Site to the west and commercial properties border the Site to the north, east, and south.

Between October 2019 and March 2020 Stantec conducted Phase II ESA to further assess recognized environmental concerns (RECs) identified as part of a Phase I ESA completed by Stantec in 2019 (Stantec, 2019). Phase II ESA activities included the completion of 13 soil borings and installation of seven temporary groundwater monitoring wells (Stantec, 2020). Soil and groundwater sample analytical results identified concentrations of chlorinated solvents (tetrachloroethylene [PCE], trichloroethylene [TCE], and cis-1.2-dichloroethene [CIS-1,2-DCE]) exceeding applicable WDNR standards in soil and groundwater on the 24 South Main Street parcel. In addition, polycyclic aromatic hydrocarbons (PAHs) were detected above the WDNR's soil and groundwater standards at the 28 South Main Street parcel.

In April 2022, Stantec completed additional site investigation activities which included the completion of five soil borings, three permanent groundwater monitoring wells, two piezometers, two sub-slab soil vapor points, and an indoor air sample. A fourth permanent groundwater monitoring well, MW-4, was proposed in the area of the former temporary monitoring well TW-6 but refusal was encountered approximately 6 feet below ground surface (ft bgs) on three attempts.

Based on the results of the supplemental investigation, the following conclusions and recommendations are made:

Soil - Previous soil sampling events detected various Resource Conservation and Recovery Act (RCRA) metals, PAHs, and volatile organic compounds (VOCs) at concentrations exceeding their applicable standards. PCE was the only constituent detected at a concentration exceeding its Chapter (ch.) NR 720 Wisconsin Administrative Code (WAC) residual contaminant level (RCL) for protection of groundwater (GW RCL) in the most recent soil samples analyzed. In addition, no VOCs were detected at concentrations exceeding direct contact standards in the most recent sampling event. Asphalt covers the entirety of the contaminated soil on the Site preventing direct contact with the underlying soils and reducing the potential for stormwater infiltration to mobilize the contaminants into groundwater. Further evaluation of soil quality off-site may be appropriate.

Groundwater – Select chlorinated volatile organic compounds (CVOCs) were detected in the groundwater samples analyzed at concentrations exceeding the ch. NR 140 WAC preventive action limit (PAL) and/or enforcement standard (ES). The impacts appear to potentially be migrating offsite to the north-northwest and may be associated with impacts detected adjacent to South Main Street and State Highway 60 as part of other site investigations. The concentrations of detected constituents appear to increase with depth. A sample from a deep piezometer/well completed at 25 ft bgs had concentrations up to 500 times the ES for PCE. Bedrock/refusal was encountered at approximately 25 ft bgs indicating impacts may be present in the underlying bedrock aquifer. Further offsite investigation is recommended to define the lateral and vertical extent of the CVOC plume.

Vapor and Indoor Air – PCE was the only constituent detected at a concentration exceeding the commercial vapor risk screening level (VRSL) in the sub-slab vapor samples analyzed in the basement of the neighboring commercial building located at 22 South Main Street. TCE and chloroform were detected at concentrations

exceeding their respective residential VRSLs. An indoor air sample was also collected from the basement of a neighboring commercial building at 22 South Main Street. PCE and TCE were not detected in concentrations exceeding their applicable vapor action levels (VALs); however, chloroform was detected in the indoor air sample at a concentration exceeding the residential VAL but below the commercial/indoor worker VRSL. Vapor intrusion appears to be a risk and further sub-slab soil vapor and indoor air investigation is recommended.

The identified contamination appears to be related to the historic use of the Site as a drycleaner and the presence of imported fill. Additional investigation per ch. NR 716 WAC requirements is recommended to further evaluate the extent of offsite CVOC vapor and groundwater contamination and assess appropriate future actions. It is also recommended that a copy of this report be submitted to the WDNR.

2.0 INTRODUCTION

Stantec prepared this SSI report on behalf of Washington County. The report documents field sampling and associated laboratory analyses performed on the 0.33-acre Property located at 24, 28 and 32 South Main Street in Hartford, Wisconsin. The purpose of the SSI was to further evaluate current soil, groundwater, and sub-slab vapor conditions related to the contamination identified as part of a Phase II ESA of the Property (Stantec, 2020). The SSI scope of work was completed in accordance with a workplan prepared by Stantec and submitted to the Washington County SRC on January 25, 2022 (Stantec, 2022). Mr. John Feeney of WDNR was notified of the investigation and scope of work via email on April 5, 2022, and Mr. Feeney responded via email on the same day with no comments. The work was performed using Washington County's Brownfields Assessment Funding with a 20% match provided by the City of Hartford.

2.1 SITE DESCRIPTION/BACKGROUND

The Site consists of three contiguous parcels situated along the eastern boundary of South Main Street in the northwest ¼ of the northwest ¼, Section 21, Township 10 North, Range 18 East in the City of Hartford, Wisconsin. The Site extends southwards from 24 South Main Street (parcel 2103023026) to 28 South Main Street (parcel 2103023027) and ends with 32 South Main Street (parcel 2103023028) at the southernmost point. The Site is bordered by commercial properties on all sides with a zoning classification of "General Business District" (Washington County Ascent Land Records Suite, 2022). The general Site location and local topography are illustrated on **Figure 1**.

The Site is currently a paved asphalt parking lot absent of buildings totaling approximately 0.33-acre of land. The Site was previously utilized for commercial purposes such as a dry cleaner, auto repair (with at least two gasoline USTs located within South Main Street), a black smith, and a wagon shop. The general layout of the Site, including the approximate property boundary locations, is illustrated on **Figure 2**.

Stantec conducted a Phase I ESA of the Site in 2019 which identified several RECs including historical dry cleaner, auto repair, black smith, and wagon shop operations on or adjoining the Site (Stantec, 2019). The results of other investigations completed in the area of the site were provided by the WDNR to Stantec as figures and tables for work conducted in 1998 by Montgomery Watson and 2014-2015 by TRC Companies Inc. Specific references and the full reports are not available. Chlorinated solvents were detected in groundwater samples collected adjacent to the site along South Main Street and near the intersection of South Main Street and State Highway 60 as part of those investigations.

Subsequently, Stantec performed Phase II ESA activities between October 2019 and March 2020 to further assess the identified RECs (Stantec, 2020). Phase II ESA activities included the completion of 13 soil borings and installation of seven temporary groundwater monitoring wells. Soil and groundwater sample analytical results identified elevated concentrations of chlorinated solvents (PCE, TCE, and CIS-1,2-DCE) exceeding applicable WDNR standards in soil and groundwater on the 24 South Main Street parcel. In addition, PAHs were detected above the WDNR's soil and groundwater standards at the 28 South Main Street parcel. The Phase I ESA and Phase II ESA work was performed using hazardous substances and petroleum brownfields funding awarded to Washington County by the United States Environmental Protection Agency (EPA) in 2017 as part of Coalition Community Wide Brownfields Assessment Grant No. BF 00E02304-0. The Site was assigned ACRES Numbers 239366, 239364, and 239362, for the parcels located at 24, 28 and 32 South Main Street, respectively.

Based on the results of the Phase II ESA, additional investigation activities were performed in 2022 to evaluate the source(s) and extent of release(s) and assess appropriate future actions. The methods and results of the SSI activities are detailed below in **Sections 3** and **5**, respectfully.

2.2 SITE HYDROGEOLOGIC SETTING

The Site is in an area that was previously covered by the Laurentide Ice Sheet during the Wisconsin Glaciation (Wisconsin Geological and Natural History Survey [WGNHS], 2011) resulting in topography that is moderately hilly. In general, the area is covered by greater than 50 feet of unconsolidated glacial till. The depth to bedrock is estimated to be between 50 to 100 ft bgs underlain by bedrock consisting of dolomitic limestone (Mudrey et al., 1982). However, based on review of previous investigations in the area, bedrock may be present at shallower depths. The shallow water table is often a subdued expression of surface topography. Shallow

groundwater generally flows from areas of groundwater recharge, such as hills and broad uplands, to areas of groundwater discharge, such as wetlands, rivers, and lakes. Based on the local surface topography and previous investigations, local shallow groundwater is expected to flow northwest toward the Rubicon River.

3.0 DESCRIPTION OF INVESTIGATION

During April and May 2022, Stantec completed SSI activities at the Site which included additional soil, groundwater, sub-slab soil vapor, and indoor air investigation. The locations of soil borings, monitoring wells, sub-slab vapor points, and indoor air sampling points completed as a part of this scope of work are illustrated on **Figure 2**. A comprehensive summary of the soil, groundwater, vapor, and indoor air investigation conducted at the Site follows in **Sections 3.1**, **3.2**, **3.3**, and **3.4**, respectively.

3.1 SOIL BORINGS AND SOIL SAMPLING

Between April 11 and 12, Probe Technologies, Incorporated (Probe Tech) advanced five soil borings, MW-1 through MW-3, PZ-1 and PZ-2, at the Site under the supervision of Stantec personnel. The soil borings were advanced from the ground surface to a maximum depth of 25 ft bgs. MW-1 through MW-3 were blind drilled using 4.25-inch inner diameter hollow stem auger drilling techniques and did not have soil samples collected from them due to samples collected from adjoining wells (PZ-1, PZ-2, and TW-1, respectively). Soil samples were collected continuously from PZ-1 and PZ-2 using direct-push dual-tube track-mounted Geoprobe® drilling techniques. Probe drilling rods and soil sampling equipment were clean when brought on site and were cleaned between each drill site. New disposable plastic “sleeve” liners were used for collection of each soil sample to minimize cross contamination of soil samples.

Soil samples were visually and physically examined by Stantec field geologists and observations made of the general lithology (percentages of gravel, sand, silt, and clay), visible layering, evidence of non-native fill/anthropogenic materials (with estimated percentages of these materials contained in the soil matrix), indications of chemical or other staining, odors, and other distinctive features. Portions of soil from approximately every two-foot interval were field screened for the presence of VOCs using a photoionization detector (PID) equipped with an 11.7 electronvolt lamp and calibrated to 100 parts per million as isobutylene. Field observations and PID readings are described on soil boring logs provided in **Appendix A**.

One soil sample was containerized from each borehole sampled and submitted for VOC laboratory analysis. Selection of soil samples for laboratory analysis was based upon depth, presence of fill materials, moisture content, historical data, and field screening readings. Soil samples selected for analysis were placed directly into laboratory-supplied containers, preserved as appropriate, and immediately placed in a cooler on ice for shipping to the analytical laboratory (Eurofins TestAmerica Laboratories, Inc. [TestAmerica], University Park, Illinois; State of Wisconsin Laboratory Certification Identification 999580010) under chain-of-custody protocol for chemical analysis of VOCs. A trip blank was also analyzed for VOCs. The complete laboratory analytical reports for soil sample analysis are presented in **Appendix B**. The analytical soil data is summarized on **Table 1** and discussed in **Section 5.2**. QA/QC data for soil analytical results is discussed in **Section 5.5**. The name for each soil sample incorporates the boring number and sample depth (in ft bgs).

The horizontal locations of the soil borings were surveyed by Stantec using a sub-meter global positioning satellite (GPS) survey unit. Soil cuttings generated during the investigation activities were containerized in 55-gallon drums and staged onsite to be disposed of at a later date. Following sampling, all soil borings were completed as a permanent groundwater piezometer as discussed in **Section 3.2**.

3.2 WELL INSTALLATION AND GROUNDWATER SAMPLING

Between April 11 and 14, 2022 Probe Tech, under the supervision of Stantec personnel, installed three permanent groundwater monitoring wells (MW-1 through MW-3) and two piezometers (PZ-1 and PZ-2) at the Site. A fourth permanent groundwater monitoring well, MW-4, was proposed in the area of the former temporary well, TW-6, but refusal was encountered approximately 6 ft bgs on three attempts due to large cobbles. The permanent groundwater monitoring wells (MW-1 through MW-3) were constructed by means of 4.25-inch hollow stem auger over drilling techniques. Upon completing the boreholes, a 0.01-inch slotted 10-foot screened schedule 40 polyvinyl chloride (PVC) 2-inch-diameter well was lowered into each borehole. The monitoring wells were installed at maximum depths ranging between 14.6 and 15.1 ft bgs such that the 10-foot screens were positioned to intersect the water table. The permanent piezometers (PZ-1 and PZ-2) were constructed by means of 4.25-inch hollow stem auger over drilling techniques. Upon completing the boreholes, a 0.01-inch slotted 5-foot screened schedule 40 PVC 2-inch-diameter well was lowered into each borehole.

The piezometers were installed at a maximum depth of 25 ft bgs such that 5-foot screens were positioned to be within the deeper groundwater stratigraphic unit.

The permanent groundwater monitoring wells and piezometers were constructed in accordance with ch. NR 141 WAC standards. When the wells were set, a washed silica sand pack was placed in the annular space from the bottom of the boring to a height of 1.5 to 2 feet above the top of the well screen. Bentonite chips were then placed in the annular space above the sand pack and allowed to hydrate in place. The PVC risers were sealed using an unvented expandable locking plug. The wells were completed with surface flush-mount covers consisting of a steel curb box with a bolt-down lid over the riser casing and secured with a neat cement seal. Upon completion of the well installations, Stantec personnel developed the wells using a disposable polyethylene bailer and/or peristaltic pump. Well construction and development forms are included in **Appendix C**.

In April 2022, Stantec personnel conducted a groundwater sampling event for the installed well network. Prior to sampling, Stantec personnel measured the static depths to water of the monitoring well network using an electronic water level sensor (accuracy to 0.01 feet). The groundwater elevation measurements are summarized on **Table 2**. After the water table elevations were measured, Stantec personnel purged the wells using a peristaltic pump and/or a disposable polyethylene bailer. After purging, groundwater samples were collected from the wells using the peristaltic pump and/or disposable polyethylene bailer and transferred into laboratory supplied containers. Samples to be analyzed for VOCs were poured directly into a laboratory-supplied sample jar containing a hydrochloric acid preservative. Samples to be analyzed for PAHs were collected in one-liter amber glass jars without preservative in a manner such that the amount of suspended sediment in the groundwater was minimized. Once filled, sample containers were immediately placed in a cooler on ice and shipped for analysis to TestAmerica (State of Wisconsin Laboratory Certification No. 999580010) under chain of custody for analysis. The complete laboratory analytical reports for groundwater sample analysis are presented in **Appendix B**. The analytical groundwater data is summarized on **Table 3** and discussed in **Section 5.3**. QA/QC data for groundwater analytical results is discussed in **Section 5.5**.

Stantec personnel surveyed the horizontal and vertical locations of the monitoring wells using a sub-meter GPS survey unit and level-loop surveying technology. Purge water generated during the well installation, development, and sampling activities was containerized in 55-gallon drums and staged onsite to be disposed of at a later date.

3.3 SUB-SLAB SOIL VAPOR POINT INSTALLATION AND VAPOR SAMPLING

Between April 12 and 13, 2022 Stantec personnel installed two sub-slab soil vapor points (VP-1 and VP-2) using a hammer drill from the basement of the commercial building at the neighboring 22 South Main Street property currently operating as The Pour House. A 5/8-inch diameter drill bit was used to fully penetrate the concrete floor and allow for VaporPin® installation. The VaporPin® was fitted with a stainless-steel sealable hose barb to allow for sample collection. After vapor point installation and prior to sampling, Stantec personnel performed two leak tests consisting of a “shut-in test” to measure if a leak exists between the connections of the sample probe and the sample container and a “water dam” to measure if a leak exists between the seal of the vapor point and concrete. The “shut-in” and “water dam” tests are discussed in further detail in below.

Step One – Shut-In Test
The shut-in test measured the airtightness of the fittings between the sample probe and the sample container. This process included the following steps:

1. A vacuum gage was connected to the sampling line between the soil vapor point and sample container (laboratory-supplied Summa canister).
2. Valves to the soil vapor point and Summa canister were shut and air was removed from the sampling line using a hand-pump inducing a vacuum in the line of greater than 50 inches of water (or, approximately 4 inches of mercury).
3. The vacuum reading was monitored for at least one minute to determine if vacuum remained steady. If the vacuum did not remain steady after one minute the connections were tightened and the shut-in test was repeated until a steady vacuum reading was observed.

Step Two – Water Dam Test
The water dam test is used to determine if the soil vapor point seal is preventing outside air from entering the soil vapor point. This process included the following steps:

1. A small enclosure (a short section of a 2-inch PVC pipe, for instance) was sealed to the floor around the sub-slab vapor probe and filled with water.
2. If the water placed in the casing maintains a constant level, the test confirms that no leaks are present in the vapor sample probe.

After successfully completing the two quality control checks, Stantec personnel collected sub-slab soil vapor samples using 6-liter Summa canisters provided by TestAmerica, each equipped with a 30-minute air flow controller (200 milliliters per minute [mL/min]). The soil vapor samples were shipped to TestAmerica in Knoxville, Tennessee (Wisconsin State Program certified, identification number 998044300) under chain-of-custody protocol to be analyzed for VOCs using EPA Method TO-15. After completion of sample collection, the hose barb was removed from each vapor point and replaced with a flush mounted cap, allowing all installed vapor points to remain in place flush with the concrete floor surface. The complete laboratory analytical reports for vapor sample analysis are presented in **Appendix B**. The analytical vapor data is summarized on **Table 4** and discussed in **Section 5.4**. QA/QC data for vapor analytical results is discussed in **Section 5.5**

3.4 INDOOR AIR SAMPLING

On April 13, 2022, Stantec personnel collected an indoor air sample (AA-1) from the basement of the neighboring commercial building at 22 South Main Street currently operating as The Pour House. The indoor air sample collection device (6-liter Summa canister with 8-hour flow controller for the commercial building) was positioned at a height considered to represent the normal breathing zone (approximately 3 to 5 feet above the basement floor). After the allotted sample collection time, the canister was sealed and collected for shipment to TestAmerica in Knoxville, Tennessee (Wisconsin State Program certified, identification number 998044300) under chain-of-custody protocol to be analyzed for VOCs using U.S. EPA Method TO-15. The complete laboratory analytical reports for indoor air sample analysis are presented in **Appendix B**. The analytical indoor air data is summarized on **Table 4** and discussed in **Section 5.4**. QA/QC data for indoor air analytical results is discussed in **Section 5.5**

4.0 APPLICABLE CLEAN-UP CRITERIA

Soil - Procedures for establishing soil clean-up standards applicable to sites in Wisconsin with documented soil contamination are specified in ch. NR 720 WAC. The most current revisions to ch. NR 720 WAC were completed during December 2018 (WDNR, 2018a) and will be used in the evaluation of the analytical results for soil samples. Soil clean-up standards depend in part on current and anticipated future land use. As discussed in **Section 3**, the Property is surrounded by commercial properties. Therefore, the non-industrial classification will be used to assess clean-up criteria for the Site.

As part of the revisions to ch. NR 720 WAC, WDNR adopted use of background threshold values (BTVs) for select metals in soil whose occurrence may be attributable in whole or in part to natural occurrence in Wisconsin soil. BTVs are "non-outlier trace element maximum levels in Wisconsin surface soils" as determined through a state-wide study (United States Geological Survey [USGS], 2011). BTVs were established for 16 metals including aluminum, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, strontium, vanadium, and zinc. Probably the most significant BTV is the value of 8.3 milligrams per kilogram (mg/kg) established for arsenic. This value is significant because the RCLs calculated for the direct contact and groundwater pathways are significantly lower than this value, which in the past resulted in sites with relatively low levels of naturally occurring arsenic significantly exceeding the clean-up levels. If measured levels of arsenic or the other metals for which BTVs have been established are below the BTVs, these levels can be attributed to natural occurrence without the need to perform a WDNR-approved site-specific study to determine background levels where no BTV have been established for. Four of the seven other metals detected in soil at the Site have established BTVs. The established BTVs for the other detected metals at the Site are 364 mg/kg for barium, 1.07 mg/kg for cadmium, 43.5 mg/kg for total chromium, and 51.6 mg/kg for total lead.

RCLs are numerical soil clean-up standards that are calculated for a minimum of two exposure pathways – direct contact by humans with exposed soil and leaching of contaminants from soil into groundwater. A variety of methods may be used to calculate RCLs, subject to WDNR approval. The approach used for the Site was to use an RCL spreadsheet developed by the WDNR's Remediation and Redevelopment Program staff for use by consultants. The spreadsheet (WDNR, 2013) is updated periodically by WDNR staff and utilizes toxicity information maintained on the EPA Regional Screening Level website: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. As toxicity data is updated periodically for different types of contaminants, the WDNR RCL spreadsheet is similarly updated. The spreadsheet revision used to identify applicable RCLs for the Site is the December 2018 Update (WDNR, 2018a).

Groundwater - Public health-related groundwater quality standards are set forth by ch. NR 140 WAC (WDNR, 2021). Standards are listed for substances of public health concern (defined as substances having carcinogenic, mutagenic, or teratogenic properties or interactive effects) and substances of public welfare concern (defined as having a negative aesthetic value but with little threat to human health). Two levels of standards are listed; the PAL and the ES. The ES represents a concentration above which action generally must be taken to improve the quality of groundwater. The PAL represents a lower concentration (usually 10 to 20 percent of the ES) above which groundwater quality should be monitored. PAL and ES values relevant to constituents evaluated in groundwater samples collected at the Site are summarized in **Table 3** and represent the values included in the ch. NR 140 WAC published in June 2021 (WDNR, 2021).

Vapor and Indoor Air- Stantec compared the sub-slab vapor analytical results to calculated screening levels for sub-slab vapor to indoor air in accordance with the guidelines presented in the WDNR guidance entitled "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin" dated December 2010 and updated January 2018 (WDNR, 2018b). The WDNR assigned indoor air VALs and VRSLs based on the EPA Air Screening Levels. The EPA provided updated regional screening level tables in May 2022. These May 2022 screening levels have been utilized for this evaluation. As discussed in **Section 3**, the Property is surrounded by commercial properties. Therefore, the small-commercial / indoor worker classification will be used to assess clean-up criteria for the Site. Applicable VRSLs for contaminants detected during sub-slab vapor sampling at the Site are included on **Table 4**.

5.0 INVESTIGATION FINDINGS

5.1 GEOLOGIC/HYDROGEOLOGIC CONDITIONS

Non-anthropogenic fill material encountered at the Property consisting of gravel and sand was observed to extend from the ground surface to a maximum depth of 10 ft bgs in boring TW-3 (Stantec, 2020). Anthropogenic fill material consisting of silty clay with coal and/or asphalt was encountered at the Site to a maximum depth of one ft bgs. Native soils consisting of silty clay, clay, gravel, and sand was encountered underlying the fill material to approximately 20 ft bgs. Limestone bedrock was encountered at approximately 20 ft bgs underlying the native soils. The characteristics of the soil at each boring location are detailed on the boring logs presented in **Appendix A**. Groundwater was generally encountered between approximately 6.58 and 7.81 ft bgs in wells installed at the Site and as measured to flow in a northwest direction. A water table elevation map is depicted on **Figure 3**.

5.2 SOIL QUALITY AND ANALYTICAL RESULTS

The approximate extent of soil contamination at the Site exceeding applicable RCLs identified to date is illustrated on **Figure 4**. Soil laboratory analytical reports and chain-of-custody forms are presented in **Appendix B**. Comprehensive analytical laboratory soil results to date are summarized on **Table 1**.

5.2.1 Phase II ESA Discussion (Stantec, 2020)

Arsenic was detected at concentrations exceeding ch. NR 720 WAC Industrial Direct Contact (IDC) RCL (ch. NR 720 WAC IDC RCL) and/or ch. NR 720 WAC non-industrial direct contact (NIDC) RCL (ch. NR 720 WAC NIDC RCL), but below the BTV. Lead and silver exceeding the ch. NR 720 WAC groundwater protection RCL are also present onsite, although lead concentrations were all below the BTV.

Various VOCs were detected in the soil samples during the investigation; however, none were reported at concentrations exceeding their respective ch. NR 720 WAC IDC RCL or ch. NR 720 WAC NIDC RCL. 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, PCE, and TCE were reported at concentrations exceeding their respective ch. NR 720 WAC groundwater protection RCL.

Various PAHs were reported at concentrations exceeding their respective ch. NR 720 WAC IDC RCL, ch. NR 720 WAC NIDC RCL and/or groundwater protection RCL. To assess the cumulative impact of the PAHs, particularly the cPAHs, a risk assessment using the WDNR's cPAH calculator was conducted on the soil samples where PAHs were detected. According to the analysis, only five soil samples failed the cumulative cPAHs risk assessment. The detections appear to be related to fill material located at the Property.

5.2.2 Supplemental Site Investigation Discussion

A chlorinated/solvent-like odor was noted in PZ-2 between 1.5 and 5.5 ft bgs. PID measurements for unsaturated soil ranged between 0.2 and 24.2 instrument units; the highest PID reading was noted between 2 and 4 ft bgs at soil boring PZ-2. The results of the PID screening are included in the soil boring logs presented in **Appendix A.** Soil contaminant concentrations were compared to the ch. NR 720 WAC GW RCLs, NIDC RCLs, and IDC RCLs.

PCE was detected at a concentration exceeding its ch. NR 720 WAC GW RCL in PZ-2 between 2 and 4 ft bgs. No other VOCs were detected at concentrations exceeding the laboratory limit of detection (LOD) at the other soil sample locations.

5.3 GROUNDWATER QUALITY AND ANALYTICAL RESULTS

The approximate extent of groundwater contamination at the Site exceeding applicable standards is illustrated on **Figure 5**. Groundwater laboratory analytical reports and chain-of-custody forms are presented in **Appendix B**. Comprehensive analytical laboratory groundwater results to date are summarized on **Table 3**.

5.3.1 Phase II ESA Discussion (Stantec, 2020)

Detected groundwater concentrations of benzo(a)pyrene, benzo(b)fluoranthene, and chrysene exceeded the ch. NR 140 WAC ES in samples collected from temporary wells TW-1 and TW-7. Given the relatively low

solubility of the detected constituents, it is possible that the detected concentrations are biased high due to the presence of colloidal material in the samples. Additionally, groundwater concentrations of PCE were detected at levels exceeding the ch. NR 140 WAC ES in samples from TW-5, located on the eastern portion of the 24 South Main Street parcel. Samples from temporary wells TW-2, TW-4, and TW-6 had groundwater concentrations of PCE above the ch. NR 140 WAC PAL.

5.3.2 Supplemental Site Investigation Discussion

No odors were noted in the groundwater samples collected. Groundwater contaminant concentrations were compared to the ch. NR140 WAC PAL and ES.

PAHs – No PAHs were detected exceeding the LOD in the groundwater samples analyzed (MW-3).

VOCs – PCE was detected at concentrations exceeding the ch. NR 140 WAC ES in all four groundwater samples analyzed for VOCs (MW-1, MW-2, PZ-1, and PZ-2). TCE was detected at a concentration exceeding the ch. NR 140 WAC ES in PZ-2. In addition, benzene, chloroform, methylene chloride, and TCE were detected at concentrations exceeding the PAL but below the ES in one or more of the samples analyzed. **Table A** below summarizes the exceedances.

Table A – Summary of VOC Exceedances in Groundwater

VOC constituent	*MW-1*	*MW-2*	*PZ-1*	*PZ-2*
Benzene	<0.15	<0.15	<0.15	1.3 J
Chloroform	<0.37	<0.37	<0.37	2.6 J B
Methylene Chloride	3.2 J	<1.6	4.0 J	<8.3
PCE	10	160	5	2800
TCE	0.92	1.1	<0.22	11

Red highlight = contaminant concentration exceeds the ch. NR 140 WAC ES; yellow highlight = contaminant concentration exceeds the ch. NR 140 WAC PAL; J = compound detected between the LOD and limit of quantification, B = compound was found in the blank and sample.

No other VOCs were detected at concentrations exceeding their respective PALs.

5.4 VAPOR AND INDOOR AIR ANALYTICAL RESULTS

No constituents were detected in the indoor air sample (AA-1) at concentrations exceeding their respective small-commercial/indoor worker VAL or VRSL. Chloroform was the only VOC detected exceeding the residential VAL in AA-1. Chloroform is a well-known lab contaminant (EPA, 2014), but it can also be present from chlorinated water and/or sewer gas (Vapor Pin®, 2022). Various other VOCs were detected in AA-1; however, the reported concentrations were below their respective residential and commercial VALs and VRSLs.

Soil vapor point VP-1 was reported to have PCE at a concentration exceeding the commercial VRSL and TCE/chloroform at concentrations exceeding their respective residential VRSLs. Various other VOCs were detected in VP-1 and VP-2; however, the reported concentrations were below their respective residential and commercial VALs and VRSLs. Vapor sample locations are depicted on **Figure 2**. Vapor sample laboratory analytical reports and chain-of-custody forms are presented in **Appendix B**. Analytical laboratory vapor results are summarized on **Table 4**.

5.5 QUALITY ASSURANCE / QUALITY CONTROL

Laboratory analysis was performed by TestAmerica in their University Park, Illinois (State of Wisconsin Laboratory Certification No. 999580010) and/or Knoxville, Tennessee (Wisconsin State Program certified, identification number 998044300) locations. The complete laboratory analytical reports are provided in **Appendix B** and their results regarding QA/QC during the most recent round of sampling is discussed below.

Soil - No concentrations of constituents on **Table 1** are qualified with laboratory flags during the most recent round of sampling. The concentrations of all VOCs in the trip blank were less than laboratory detection limits. Therefore, transport and handling of samples is not considered a possible source of bias in the data.

Groundwater - The concentrations of several constituents on **Table 3** are qualified with a "J" flag indicating the concentration is an estimate between the limit of detection and reporting limit during the most recent round of sampling. This is relevant in situations where the reported concentrations are relatively similar in value to applicable ch. NR 140 WAC groundwater standards and could impact whether the standards are exceeded. This does not appear to be true for any of the "J" flagged values. The chloroform concentration in PZ-2 is qualified with a "B" flag indicating the compound was found in the associated blank, as well as in the sample. This indicates possible/probable blank contamination, and the chloroform concentration is likely biased high. In addition, chloroform is a common laboratory contaminant (EPA, 2014). Several PAH concentrations reported on **Table 3** are qualified with a "*3" flag indicating the Internal Standard response or retention time was outside acceptance limits. None of the "*3" flag reported values are significant in that they do not exceed applicable ch. NR 140 WAC groundwater standards.

Vapor - The concentrations of several constituents on **Table 4** are qualified with a "J" flag indicating the concentration is an estimate between the limit of detection and reporting limit during the most recent round of sampling. This is relevant in situations where the reported concentrations are relatively similar in value to the applicable VAL and/or VRSL standards and could impact whether the standards are exceeded. This does not appear to be true for any of the "J" flagged values, except for chloroform and TCE detected in sub-slab sample VP-1 (Vapor Pin®, 2022). In addition, several constituent concentrations are qualified with a "B" flag indicating that the compounds were found in the associated blank, as well as in the sample. It indicates possible/probable blank contamination, and the reported values are likely biased high. None of the reported concentrations qualified with a "B" flag were reported above their applicable VAL or VRSL standards.

5.6 MIGRATION PATHWAYS AND POTENTIAL RECEPTORS

Stantec evaluated potential contaminant migration pathways at the Site and the findings are summarized below.

Direct Contact: No VOCs were detected at concentrations exceeding direct contact standards in the soil samples analyzed. Previous soil sampling events detected PAHs in near surface soils exceeding direct contact standards. The areas identified to have PAH concentrations exceeding direct contact standards are capped with asphalt and do not appear to currently pose a risk with respect to direct contact.

Soil Leaching to Groundwater: PCE was the only constituent detected at a concentration exceeding its GW RCL in the recent soil samples analyzed. Previous soil sampling events detected various RCRA metals, PAHs, and VOCs at concentrations exceeding the GW RCL. Asphalt covers the entirety of the contaminated soil on the Site so it is unlikely that stormwater infiltration would cause the contaminants to mobilize into groundwater.

Groundwater Ingestion: The Site and the surrounding area is served by City of Hartford community water system, not the groundwater located on Site.

Vapor Intrusion: PCE was the only constituent detected at a concentration exceeding the commercial VRSL in the sub-slab vapor samples analyzed. TCE and chloroform were detected at concentrations exceeding their respective residential VRSLs. PCE and TCE were not detected in the indoor air sample exceeding their applicable VALs; however, chloroform was detected in the indoor air sample at a concentration exceeding the residential VAL, but below the commercial/indoor worker VRSL. Vapor intrusion appears to be a risk and further sub-slab soil vapor and indoor air investigation is recommended.

Off-Site Groundwater Wells / Water Supply: No known water supply wells are present at the Site. Stantec conducted a search for nearby groundwater wells installed using the WDNR Well Construction Information System (WDNR, 2022). No groundwater wells or private or public water supply wells were identified within 1,200 feet of the Site. Due to the distance from the Site, it is unlikely that identified water supply wells will be affected by groundwater contamination at the Site. Based on the above information, the migration potential of contaminants associated with the Site to water supply wells appears to be very low.

Utilities: Available records for the area provided by the City of Hartford, show a stormwater utility along the northern Site boundary and extends toward South Main Street, where other underground utilities are present such as a gas line, water line, and underground electric. The backfill material associated with these, and

potentially other utilities, may have created a preferential path for contaminant movement. Further groundwater and vapor investigation offsite is recommended to assess the vertical and lateral extent of the identified contamination.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the supplemental investigation, the following conclusions and recommendations are made:

Soil - Previous soil sampling events detected various RCRA metals, PAHs, and VOCs at concentrations exceeding their applicable standards. PCE was the only constituent detected at a concentration exceeding its GW RCL in the most recent soil samples analyzed. In addition, no VOCs were detected at concentrations exceeding direct contact standards in the most recent sampling event. Asphalt covers the entirety of the contaminated soil on the Site preventing direct contact with the underlying soils and reducing the potential stormwater infiltration to mobilize the contaminants into groundwater. Further evaluation of soil quality off-site may be appropriate.

Groundwater – CVOCs were detected in the groundwater samples analyzed at concentrations exceeding the PAL and/or ES. The impacts appear to be potentially migrating offsite to the north-northwest and may be associated with impacts detected adjacent to South Main Street and State Highway 60 as part of other site investigations. The concentrations of detected constituents appear to increase with depth. A sample from a deep piezometer/well completed at 25 feet below grade had concentrations up to 500 times the ES for PCE. Bedrock/refusal was encountered at approximately 25 ft bgs indicating impacts may be present in the underlying bedrock aquifer. Further offsite investigation is recommended to define the lateral and vertical extent of the CVOC plume.

Vapor and Indoor Air –

PCE was the only constituent detected at a concentration exceeding the commercial VRSL in the sub-slab vapor samples analyzed in the basement of the neighboring commercial building located at 22 South Main Street. TCE and chloroform were detected at concentrations exceeding their respective residential VRSLs. An indoor air sample was also collected from the basement of a neighboring commercial building at 22 South Main Street. PCE and TCE were not detected in the indoor air sample exceeding their applicable VALs; however, chloroform was detected in the indoor air sample at a concentration exceeding the residential VAL but below the commercial/indoor worker VRSL. Vapor intrusion appears to be a risk and further sub-slab soil vapor and indoor air investigation are recommended.

The identified contamination appears to be related to the historic use of the Site as a drycleaner and the presence of imported fill. Additional investigation per ch. NR 716 WAC requirements is recommended to further evaluate the extent of offsite CVOC vapor and groundwater contamination and assess appropriate future actions. It is also recommended that a copy of this report be submitted to the WDNR.

7.0 DISCLAIMER AND LIMITATIONS

The conclusions in the Report are Stantec's professional opinion, as of the time of the Report, and concerning the scope described in the Report. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. The Report relates solely to the specific project for which Stantec was retained and the stated purpose for which the Report was prepared. The Report is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk. Stantec has assumed all information received from the City of Hartford, Washington County, and third parties in the preparation of the Report to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein. This Report is intended solely for use by Washington County and City of Hartford in accordance with Stantec's contract with Washington County. While the Report may be provided to applicable authorities having jurisdiction and others for whom Washington County is responsible, Stantec does not warrant the services to any third party. The Report may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.

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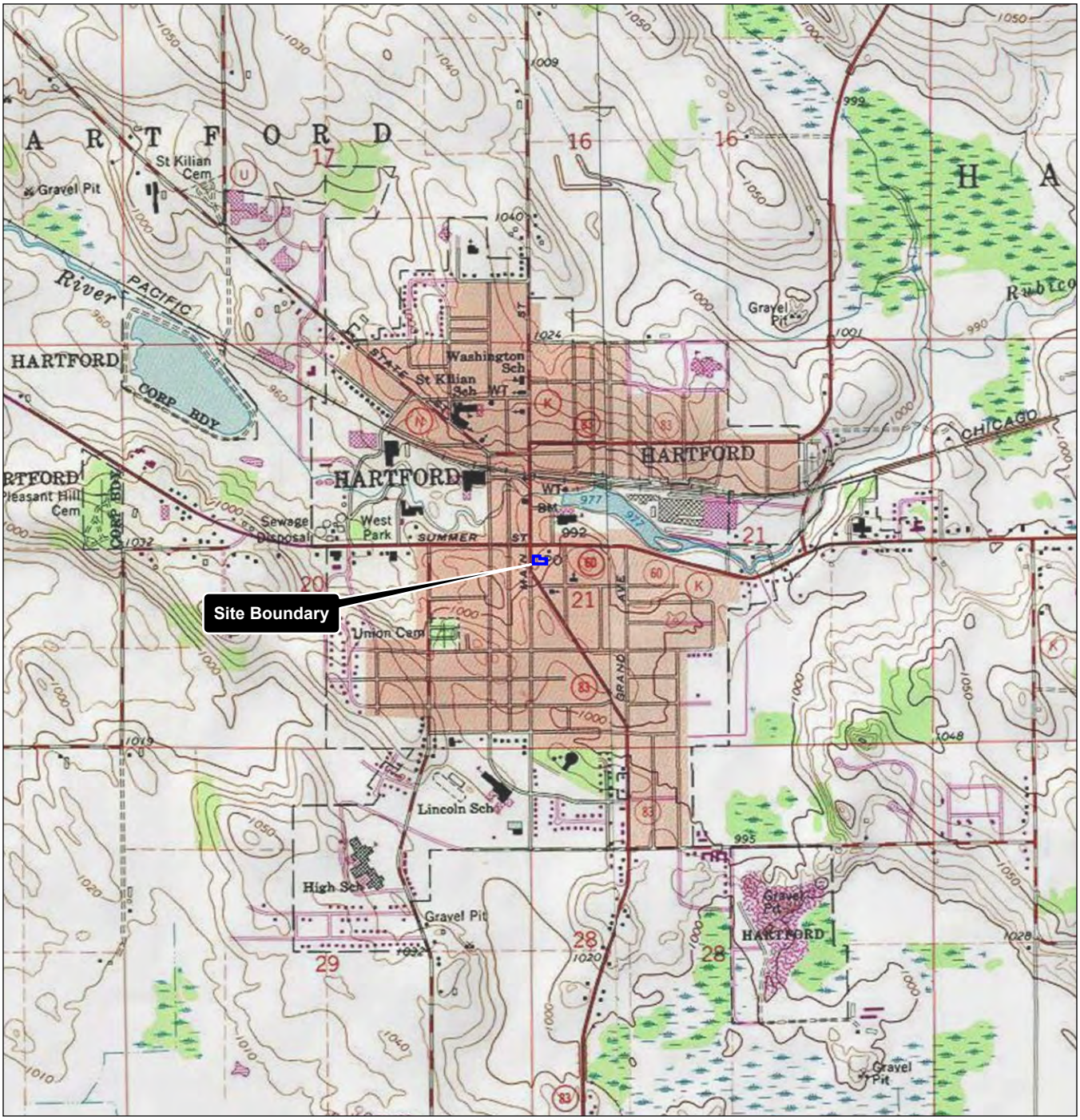
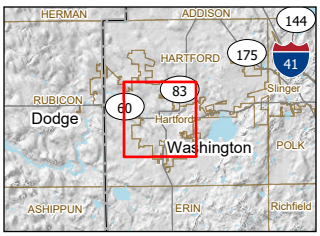
FIGURES





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Site Boundary

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Notes

1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Data Sources: Stantec, WDNR, WisDOT
3. Background: USGS 7.5' Topographic Quadrangles

Stantec

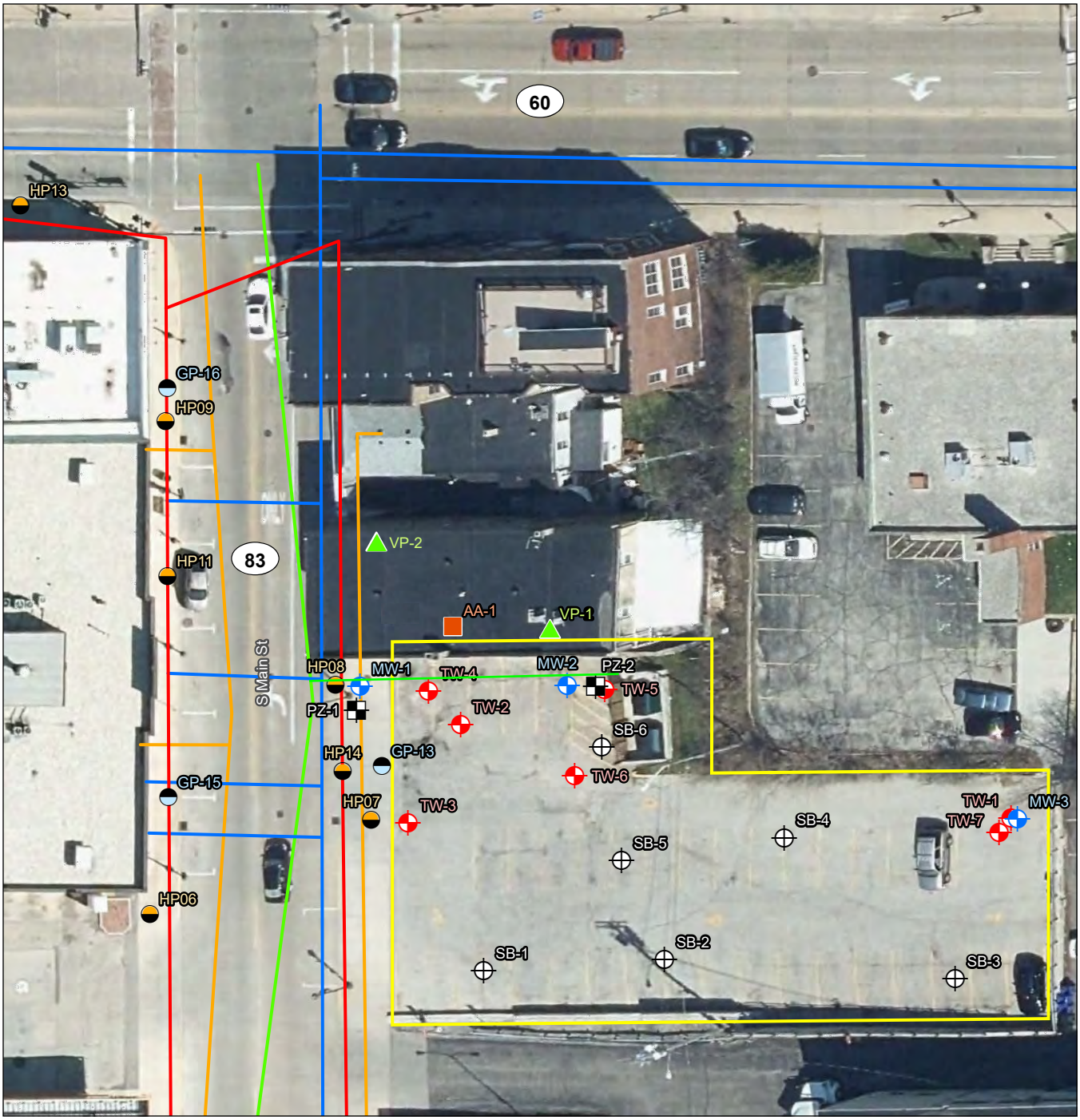
Project Location
T10N, R18E, S21
C. of Hartford, Washington Co., WI

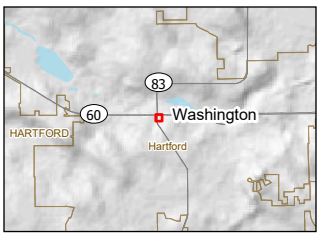
Prepared by AJS on 2022-05-11
TR by JS on 2022-05-11
IR by ENG on 2022-05-18

Client/Project 193708879
Washington County
South Main Street Property
Supplemental Site Investigation

Figure No.
1

Title
Site Location and Topography





Notes
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Data Sources: Stantec, SCO, WDNR, WisDOT
3. Orthophotography: WDNR WROC 2020

Legend

- Site Boundary
- Electric
- Water
- Gas
- Storm Sewer
- Monitoring Well Location
- Pizometer Location
- Borehole Location (Former August 2020 Phase II ESA)
- Temporary Well (Former August 2020 Phase II ESA)
- Borehole Location (Former 2014-2015 TRC Soil Investigation)
- Former 1998 Montgomery Watson Soil and Groundwater Investigation
- Indoor Air Sample Location
- Sub-Slab Soil Vapor Sample Location

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Project Location
T10N, R18E, S21
C. of Hartford, Washington Co., WI

Prepared by DBB on 2022-06-09
TR by JS on 2022-06-10
IR by RK on 2022-08-12

Client/Project 193708879
Washington County
South Main Street Property
Supplemental Site Investigation

Figure No.
2

Title
Site Layout and Sample Locations

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Notes
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Data Sources: Stantec, SCO, WDNR, WisDOT
3. Orthophotography: WDNR WROC 2020

Legend
- Site Boundary
- Groundwater Table Elevation Contour Line as measured on April 26, 2022
- Inferred Groundwater Table Elevation
- Groundwater Flow Direction
- Monitoring Well Location
- Pizometer Location

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Stantec

Project Location
T10N, R18E, S21
C. of Hartford, Washington Co., WI

Prepared by AJS on 2022-05-16
TR by JM on 2022-05-16
IR by ENG on 2022-05-18

Client/Project 193708879
Washington County
South Main Street Property
Supplemental Site Investigation

Figure No.
3

Title
Water Table Elevation Map, April 26, 2022

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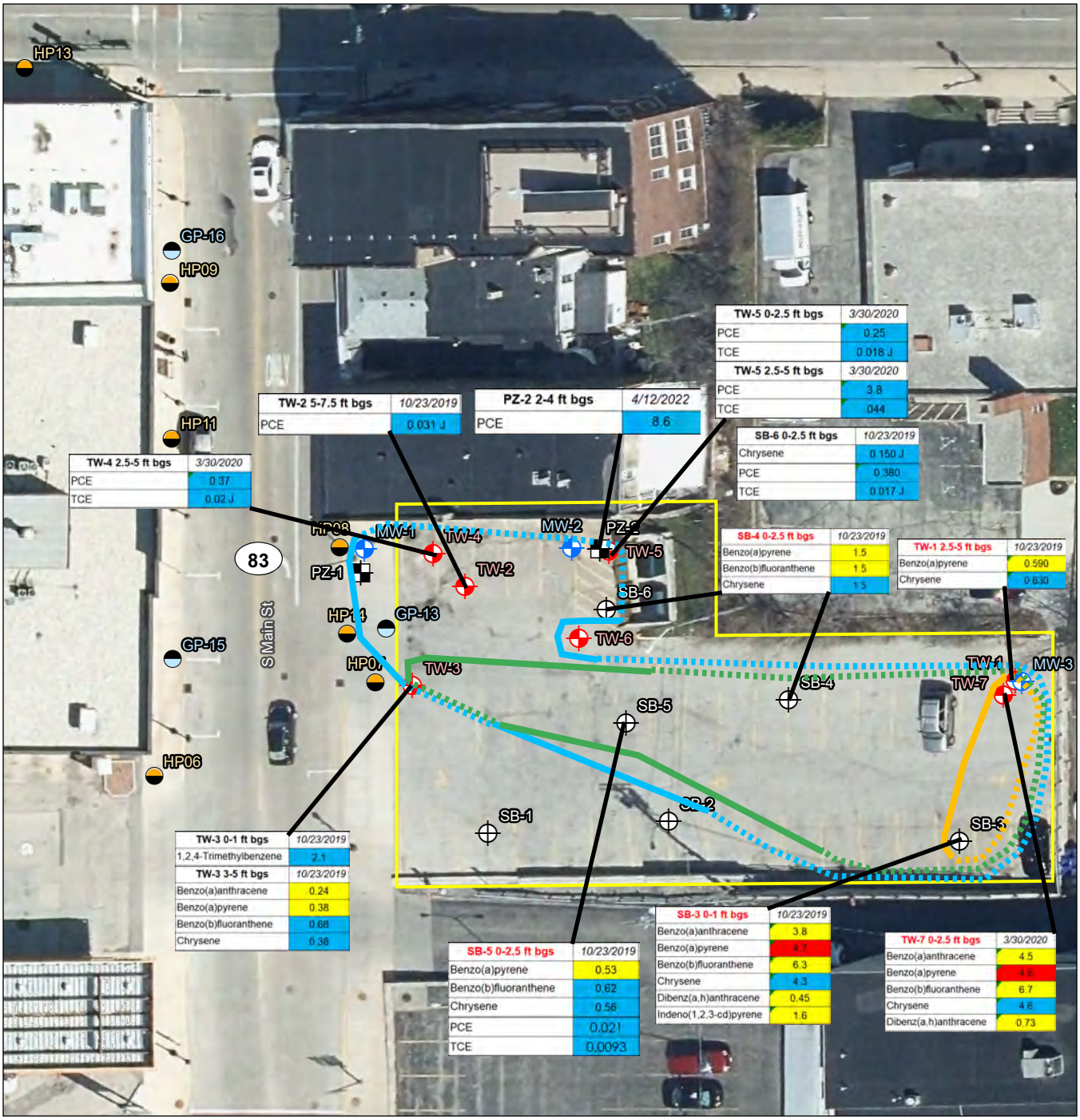

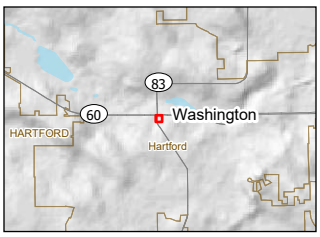

Legend

- Site Boundary
- General Extent of Soil Contamination Exceeding the NR720 GW RCL
- General Extent of Soil Contamination Exceeding the NR720 NIDC RCL
- General Extent of Soil Contamination Exceeding the NR720 IDC RCL
- Monitoring Well Location
- Pizometer Location
- Borehole Location (Former August 2020 Phase II ESA)
- Temporary Well (Former August 2020 Phase II ESA)
- Borehole Location (Former 2014-2015 TRC Soil Investigation)
- Former 1998 Montgomery Watson Soil and Groundwater Investigation

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N

Stantec

Project Location
T10N, R18E, S21
C. of Hartford, Washington Co., WI

Prepared by DBB on 2022-06-09
TR by JS on 2022-06-10
IR by RK on 2022-08-12

Client/Project 193708879
Washington County
South Main Street Property
Supplemental Site Investigation

Figure No.
4

Title
General Extent of PAH and VOC Soil Contamination

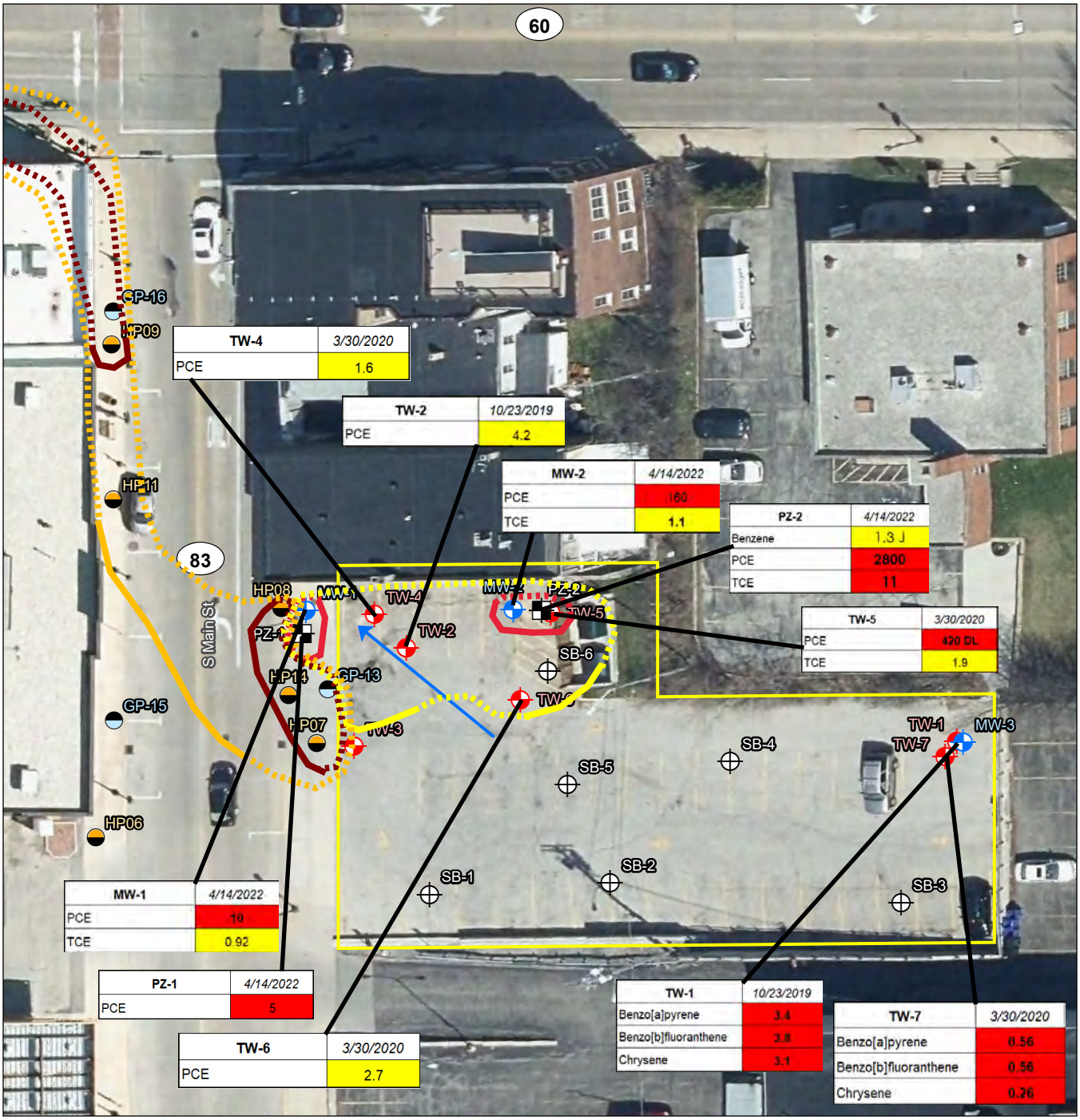
Notes
1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Data Sources: Stantec, SCO, WDNR, WisDOT
3. Orthophotography: WDNR WROC 2020

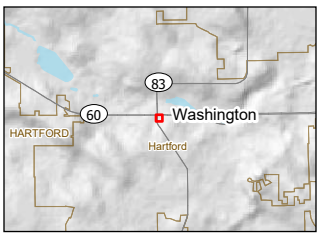
WAC: Wisconsin Administrative Code
RCL: residual contaminant level
Concentrations are reported in milligrams per kilogram

ch: chapter
PCE: tetrachloroethene
TCE: trichloroethene

VOC: Volatile Organic Compound
PAH: Polycyclic Aromatic Hydrocarbon
cPAH: Carcinogenic PAH
Red Sample ID: Failed cPAH calculation

GW: ch. NR 720 WAC Groundwater RCL
NIDC: ch. NR 720 WAC Non-Industrial Direct Contact RCL
IDC: ch. NR 720 WAC Industrial Direct Contact RCL





1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Data Sources: Stantec, SCO, WDNR, WisDOT
3. Orthophotography: WDNR WROC 2020

J: Compound detected between limit of detection and limit of quantification
DL: Compound was diluted during analysis
PCE: tetrachloroethene
TCE: trichloroethene
Concentrations are reported in micrograms per kilogram

Legend

- Site Boundary
- Groundwater Flow Direction
- General Extent of Groundwater Contamination Exceeding the NR140 ES
- General Extent of Groundwater Contamination Exceeding the NR140 PAL
- Monitoring Well Location
- Piezometer Location

ch.: Chapter
WAC: Wisconsin Administrative Code
PAL: ch. NR 140 WAC Preventive Action Limit
ES: ch. NR 140 WAC Enforcement Standard
PAH: polycyclic aromatic hydrocarbon
VOC: volatile organic compound

- Borehole Location (Former August 2020 Phase II ESA)
- Temporary Well (Former August 2020 Phase II ESA)
- Borehole Location (Former 2014-2015 TRC Soil Investigation)
- Former 1998 Montgomery Watson Soil and Groundwater Investigation
- Former General Extent of Groundwater Contamination Exceeding the NR140 ES (1998)
- Former General Extent of Groundwater Contamination Exceeding the NR140 PAL (1998)

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(At original document size of 8.5x11)
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N

Stantec

Project Location
T10N, R18E, S21
C. of Hartford, Washington Co., WI

Prepared by DBB on 2022-06-09
TR by JS on 2022-05-11
IR by ENG on 2022-05-18

Client/Project
Washington County
South Main Street Property
Supplemental Site Investigation

193708879

Figure No.
5

Title
General Extent of PAH and VOC Groundwater Contamination

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TABLES

Table 1 - Soil Summary Laboratory Detection Results
24, 28, and 32 South Main Street Property: Hartford, WI

Sample Location					SB-1	SB-2		SB-3		SB-4	SB-5	SB-6	TW-1		TW-2		TW-3		DUP-1 / TW-3	DUP-2 / TW-1	Trip Blank	TW-4		TW-5		TW-6		TW-7		Trip Blank	PZ-1	PZ-2	Trip Blank
Sample Date					10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	4/11/22	4/12/22	4/14/2022
Sample ID					SB1 0-2.5	SB-2 0-2.5	SB-2 2.5-5	SB-3 0-1	SB-3 5-7.5	SB-4 0-2.5	SB-5 0-2.5	SB-6 0-2.5	TW1 2.5-5	TW1 5 - 7.5	TW2 0-2.5	TW2 5-7.5	TW3 0-1	TW3 3-5	DUP-1	DUP-2	Trip Blank	TW4 0-2.5	TW4 2.5-5	TW5 0-2.5	TW5 2.5-5	TW6 0-2.5	TW6 2.5-5	TW7 0-2.5	TW7 5-7.5	Trip Blank	PZ-1 6-8	PZ-2 2-4	Trip Blank
Sample Depth					0 - 2.5 ft	0 - 2.5 ft	2.5 - 5 ft	0 - 1 ft	5 - 7.5 ft	0 - 2.5 ft	0 - 2.5 ft	0 - 2.5 ft	2.5 - 5	5 - 7.5	0 - 2.5 ft	5 - 7.5 ft	0 - 1 ft	3 - 5 ft	0 - 1 ft	2.5 - 5	(MeOH)	0-2.5	2.5-5	0-2.5	2.5-5	0-2.5	2.5-5	0-2.5	5-7.5	(MeOH)	6-8	2-4	(MeOH)
Sample Type and USCS Classification	Units	Wisconsin DC- NI RCL	Wisconsin DC- I RCL	Wisconsin GW RCL	FILL/GP	Fill/GP & CL	GP	Fill (non-anthropogenic) / SP	CL	FILL (ground asphalt) /SP	FILL (ground asphalt) /SP & GP	FILL (ground asphalt) /SP & GP	Fill (non-anthropogenic) / GP	FILL/GP	FILL/GP & CL	GP	FILL/GP	FILL(ground asphalt) / GP	FILL/GP	FILL/GP	N/A	FILL/SW & CH	SC	FILL/SW,SC	FILL/SC	FILL/SW	SC & GW	FILL/SW	SW	N/A	CL	CL	N/A
RCRA Metals (EPA Method 6010B & 7471A)																																
Arsenic	mg/kg	0.677 (8.3)	3.0 (8.3)	0.584 (8.3)	2.2	--	6.5	1.8	--	1.1	1.5	7.5	1.7	--	3.0	--	--	<0.35	--	1.8	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium	mg/kg	15,300 (364)	100,000 (364)	164.8 (364)	26 B	--	47 B	9.9 B	--	8.8 B	15 B	78 B	15 B	--	37	--	--	8.4 B	--	12 B	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	71.1 (1.07)	985 (1.07)	0.752 (1.07)	0.18 J,B	--	0.25 B	0.078 J,B	--	0.060 J,B	0.088 J,B	0.30 B	0.12 J,B	--	0.18	--	--	<0.037	--	0.099 J,B	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	100,000, 0.301 Cr VI (43.5)	100,000, 6.36 Cr VI (43.5)	360,000 (if no Cr VI)	9.7 B	--	11 B	5.8 B	--	4.3 B	6.7 B	16 B	5.5 B	--	9.5	--	--	3.8 B	--	9.8 B	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	400 (51.6)	800 (51.6)	27 (51.6)	3.9	--	8.4	9.0	--	8.9	5.6	26 ^	13	--	28	--	--	5.2	--	5.4	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg	391	5,840	0.52	<0.58	--	<0.61	<0.55	--	<0.53	<0.55	<0.59	<0.54	--	<0.67	--	--	<0.60	--	<0.57	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg	391	5,840	0.8491	1.5	--	4.6	0.93	--	0.74	1.3	4.6	1.0	--	1.6	--	--	0.50 J^B	--	0.84	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	3.13	3.13	0.208	<0.0056	--	0.017 J	<0.0052	--	<0.0050	<0.0055	0.016 J	0.010 J	--	0.071	--	--	0.0074 J	--	<0.0056	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (EPA Method 8270D)																																
1-Methylnaphthalene	mg/kg	17.6	72.7	n/v	<0.0085	--	<0.0091	<0.087	--	<0.083	<0.043	<0.046	0.028 J	--	<0.0093	--	--	<0.043	--	<0.0086	--	--	--	--	--	--	--	<0.081	<0.0083	--	--	--	--
2-Methylnaphthalene	mg/kg	239	3,010	n/v	<0.0064	--	<0.0068	<0.065	--	<0.063	<0.032	<0.035	0.020 J	--	<0.007	--	--	<0.032	--	<0.0065	--	--	--	--	--	--	--	0.061 J	<0.0063	--	--	--	--
Acenaphthene	mg/kg	3,590	45,200	n/v	<0.0063	--	<0.0067	<0.064	--	<0.061	<0.032	<0.034	<0.0064	--	<0.0069	--	--	<0.032	--	<0.0064	--	--	--	--	--	--	--	0.091 J	<0.0061	--	--	--	--
Acenaphthylene	mg/kg	n/v	n/v	n/v	<0.0046	--	<0.0049	2	--	0.25 J	0.2	<0.025	0.029 J	--	<0.005	--	--	<0.023	--	0.005 J	--	--	--	--	--	--	--	1.4	<0.0045	--	--	--	--
Anthracene	mg/kg	17,900	100,000	196.94	<0.0058	--	<0.0062	1.2	--	0.25 J	0.13 J	<0.032	0.260	--	<0.0064	--	--	0.089 J	--	0.01 J	--	--	--	--	--	--	--	1.2	<0.0057	--	--	--	--
Benzo(a)anthracene	mg/kg	1.14	20.8	n/v	0.021 J	--	<0.005	3.8	--	<0.046	<0.024	0.054 J	0.590	--	<0.0051	--	--	0.24	--	0.058	--	--	--	--	--	--	--	4.5	0.0058 J	--	--	--	--
Benzo(a)pyrene	mg/kg	0.115	2.11	0.470	0.031 J	--	0.011 J	4.7	--	1.5	0.53	0.110 J	0.590	--	0.014 J	--	--	0.38	--	0.06	--	--	--	--	--	--	--	4.8	<0.0066	--	--	--	--
Benzo(b)fluoranthene	mg/kg	1.15	21.1	0.478	0.025 J	--	0.013 J	6.3	--	1.5	0.62	0.120 J	0.680	--	0.013 J	--	--	0.68	--	0.063	--	--	--	--	--	--	--	6.7	<0.0073	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	n/v	n/v	n/v	0.019 J	--	<0.012	1.8	--	0.69	<0.057	0.150 J	0.350	--	<0.012	--	--	0.2	--	0.037	--	--	--	--	--	--	--	1.9	<0.011	--	--	--	--
Benzo(k)fluoranthene	mg/kg	11.5	211	n/v	0.027 J	--	<0.011	2.7	--	1.3	0.29	<0.056	0.240	--	<0.011	--	--	0.68	--	0.029 J	--	--	--	--	--	--	--	2.9	<0.010	--	--	--	--
Chrysene	mg/kg	115	2,110	0.144	0.031 J	--	<0.01	4.3	--	1.5	0.56	0.150 J	0.630	--	0.012 J	--	--	0.38	--	0.063	--	--	--	--	--	--	--	4.6	<0.0093	--	--	--	--
Dibenz(a,h)anthracene	mg/kg	0.115	2.11	n/v	<0.0067	--	<0.0072	0.45	--	<0.066	<0.034	<0.037	0.068	--	<0.0074	--	--	<0.034	--	0.01	--	--	--	--	--	--	--	0.73	<0.0066	--	--	--	--
Fluoranthene	mg/kg	2,390	30,100	88.877	0.038	--	0.015	5.4	--	1.9	0.57	0.140 J	1.4	--	0.016 J	--	--	0.49	--	0.11	--	--	--	--	--	--	--	7.5	0.16 J	--	--	--	--
Fluorene	mg/kg	2,390	30,100	14.829	<0.0049	--	<0.0052	<0.05	--	0.11 J	0.066 J	<0.027	0.067	--	<0.0054	--	--	<0.025	--	<0.005	--	--	--	--	--	--	--	0.42	<0.0048	--	--	--	--
Indeno(1,2,3-cd)pyrene	mg/kg	1.15	21.1	n/v	0.023 J	--	<0.0097	1.6	--	0.43	0.2	<0.049	0.320	--	0.011 J	--	--	0.17	--	0.04	--	--	--	--	--	--	--	1.4	<0.0088	--	--	--	--
Naphthalene	mg/kg	5.52	24.1	0.6582	<0.0054	--	<0.0057	<0.055	--	<0.053	<0.027	<0.029	0.055	--	<0.0059	--	--	<0.027	--	<0.0054	--	--	--	--	--	--	--	0.072 J	<0.0052	--	--	--	--
Phenanthrene	mg/kg	n/v	n/v	n/v	0.014 J	--	<0.0052	1.8	--	0.89	0.2	0.079 J	1.0	--	0.0099 J	--	--	0.27	--	0.076	--	--	--	--	--	--	--	3.9	0.014	--	--	--	--
Pyrene	mg/kg	1,790	22,600	54.546	0.033 J	--	0.014 J	5.5	--	5.6	0.68	0.150 J	1.1	--	0.019 J	--	--	0.49	--	0.096	--	--	--	--	--	--	--	7.3	0.015	--	--	--	--
Cumulative cPAHs Cancer Risk (DC)		5.0E-06	n/v	n/v	3.9E-07	--	1.9E-07	5.5E-05	--	1.5E-05	5.7E-06	1.5E-06	7.1E-06	--	2.1E-07	--	--	4.6E-06	--	7.5E-07	--	--	--	--	--	--	--	5.9E-05	1.3E-07	--	--	--	--
No. of Individual PAH RCL Exceedances DC		0	n/v	n/v	0	--	0	0	--	0	0	0	0	--	0	--	--	0	--	0	--	--	--	--	--	--	--	0	0	--	--	--	--
Cumulative Hazard Index DC		1.0	n/v	n/v	0.0017	--	0.0006	0.264	--	0.0843	0.0298	0.0062	0.0331	--	0.0008	--	--	0.0213	--	0.0034	--	--	--	--	--	--	--	0.2697	0.0004	--	--	--	--
Cumulative Cancer Risk		1.0E-05	n/v	n/v	3.9E-07	--	1.9E-07	5.5E-05	--	1.5E-05	5.7E-06	1.5E-06	7.1E-06	--	2.1E-07	--	--	4.6E-06	--	7.5E-07	--	--	--	--	--	--	--	5.9E-05	1.3E-07	--	--	--	--
Volatile Organic Compounds (EPA Method 8260B)																																
1,2,4-Trimethylbenzene	mg/kg	219	219	1.3787	<0.021	<0.022	--	--	<0.022	<0.018	0.02	<0.024	--	<0.02	--	<0.02	2.1	--	2.3	--	<0.018	<0.023	<0.026	<0.019	<0.024	<0.024	<0.021	--	--	<0.018	<0.024	<0.027	<0.017
1,2,3-Trichloropropane	mg/kg	0.0051	0.109	0.0513	<0.024	<0.025	--	--	<0.026	<0.021	<0.023	<0.028	--	<0.024	--	<0.023	<0.088	--	<0.085	--	0.41	<0.027	<0.03	<0.028	<0.03	<0.025	--	--	<0.029	<0.031	<0.021
1,3,5-Trimethylbenzene	mg/kg	219	219	1.3787	<0.022	<0.023	--	--	<0.023	<0.019	0.021	<0.025	--	<0.022	--	<0.021	1.2	--	1.4	--	<0.019	<0.025	<0.028	<0.021	<0.025	<0.027	<0.023	--	--	<0.019	<0.027	<0.028	<0.019
Methylene Chloride	mg/kg	61.8	1,150	0.0026	<0.095	<0.098	--	--	<0.099	<0.082	0.092	<0.11	--	<0.093	--	<0.089	0.53 J	--	0.47 J	--	<0.082	<.110^	<0.120^	<0.089^	<.110^	<0.12	<0.098^	--	--	<0.082^	<0.120	<0.120	<0.082
Naphthalene	mg/kg	5.52	24.1	0.6582	<0.02	<0.02	--	--	<0.02	0.061	0.054 J	<0.022	--	<0.019	--	<0.018	<0.071	--	<0.068	--	<0.017	<0.022	<0.024	<0.018	<0.022	<0.024	<0.02	--	--	<0.017	<0.024	<0.025	<0.017
n-Butylbenzene	mg/kg	108	108	n/v	<0.023	<0.023	--	--	<0.024	<0.02	0.022	<0.026	--	<0.022	--	<0.021	1.3	--	1.3	--	<0.019	<0.026^	<0.028^	<0.021^	<0.026^	<0.028^	<0.023^	--	--	<0.019	<0.028	<0.029	<0.019
N-Propylbenzene	mg/kg	264	264	n/v	<0.024	<0.025	--	--	<0.025	<0.021	0.023	<0.028	--	<0.024	--	<0.023	0.12 J	--	0.14 J	--	<0.021	<0.027	<0.03	<0.023	<0.028	<0.03	<0.025	--	--	<0.021	<0.029	<0.031	<0.021
p-Isopropyltoluene	mg/kg	162	162	n/v	<0.021	<0.022	--	--	<0.022	<0.018	0.02	<0.024	--	<0.021	--	<0.02	0.66	--	0.76	--	<0.018	<0.023	<0.026	<0.02	<0.024	<0.026	<0.022	--	--	<0.018	<0.026	<0.027	<0.018
sec-Butylbenzene	mg/kg	145	145	n/v	<0.023	<0.024	--	--	<0.024	<0.02	0.023	<0.027	--	<0.023	--	<0.022	0.29	--	0.31	--	<0.02	<0.026^	<0.029^	<0.022^	<0.027^	<0.028^	<0.024^	--	--	<0.02	<0.028	<0.030	<0.020
Tetrachloroethene (PCE)	mg/kg	33	145	0.0045	<0.022	<0.022	--	--	<0.023	<0.019	0.021	0.380	--	<0.021	--	0.031 J	<0.079	--	<0.078	--	<0.019	<0.024	0.37	0.26	3.8	<0.026	<0.022	--	--	<0.019	<0.026	8.6	<0.019
Toluene	mg/kg	818	818	1.1072	<0.0086	<0.0088	--	--	0.029	0.042	0.086	0.043	--	<0.0084	--	0.0092 J	0.033 J	--	0.04 J	--	<0.0074	<0.0095	<0.011	<0.008	<0.0098	<0.011	<0.0088	--	--	<0.0074	<0.010	<0.011	<0.0074
Trichloroethene (TCE)	mg/kg	1.3	8.41	0.0036	<0.0096	<0.0099	--	--	<0.01	<0.0083	0.0093	0.017 J	--	<0.0094	--	<0.009	<0.035	--	<0.034	--	<0.0082	<0.011	0.02 J	0.018 J	.044	<0.012	<0.0098	--	--	<0.0082^	<0.012	<0.012	<0.0082
Xylenes, Total	mg/kg	260	260	3.96	<0.013	<0.013	--	--	<0.013	<0.011	0.012	<0.015	--	<0.013	--	<0.012	0.32	--	0.47	--	<0.011	<0.014	<0.016	<0.012	<0.015	<0.016	<0.013	--	--	<0.011	<0.016	<0.016	<0.011

Notes:
WDNR soil RCL Summary table (December 2018) used to establish RCLs for GW protection and direct contact.
< x = compound not detected to a detection limit of x
DC-NI = WDNR Non-Industrial RCL for direct contact risk
DC - I = WDNR Industrial RCL for direct contact risk
GW RCL = WDNR RCL for protection of groundwater
n/v = no value established by WAC (Wis. Adm. Code) or WDNR Soil RCL Summary Table
MS and/or MSD = matrix spike and/or matrix spike duplicate
RCL = residual contaminant level
^ = instrument related QC is outside acceptance limits.
F2 = MS/MSD relative percent difference exceeds control limits
iui = instrument units as isobutylene
mg/kg = milligrams per kilogram
-- = not sampled
J = compound detected between limit of detection and limit of quantification
B = Compound was found in the blank and sample

xx Exceeds background threshold value (BTV)
(xx) Respective BTV value
x Passing cPAH calc (PAH concentrations don't indicate a DC risk)
x Failing cPAH calculation (PAH concentrations indicate a DC risk)
Less than laboratory detection level but exceeds WDNR RCL for Industrial direct contact
Less than laboratory detection level but exceeds WDNR RCL for Non-industrial direct contact
Less than laboratory detection level but exceeds WDNR RCL for Protection of Groundwater

Exceeds WDNR RCL for Non-industrial direct contact
Exceeds WDNR RCL for DC-NI but NOT the BTV
Exceeds WDNR RCL for industrial direct contact
Exceeds WDNR RCL for DC-I but NOT the BTV
Exceeds WDNR RCL for protection of groundwater
Exceeds WDNR GW RCL but NOT the BTV

TABLE 2 - Water Level Data, South Main Street, Hartford, Wisconsin

Well ID	Date Installed	Latitude (degrees)	Longitude (degrees)	Screen Interval (ft bgs)	Water Level Measurement Date	TOC elevation (ft amsl)[1]	DTW (ft bgs)	Groundwater Elevation (ft amsl)[1]
PZ-1	4/11/22	43.3173	-88.3788	19.5 - 24.5	4/26/22	981.25	6.94	974.31
MW-1	4/11/12	43.3173	-88.3788	4.6 - 14.6	4/26/22	981.29	7.07	974.22
PZ-2	4/12/22	43.2133	-88.3785	19.4 - 24.4	4/26/22	982.90	7.81	975.09
MW-2	4/12/22	43.2133	-88.3785	4.3 - 14.3	4/26/22	982.41	7.50	974.91
MW-3	4/14/22	43.3172	-88.3781	4.6 - 14.6	4/26/22	995.06	6.58	988.48

Notes:

1) Survey benchmark datum used was BM40 provided by the City of Hartford (SW21 map, plotted Jan 2020). The benchmark is the fire hydrant (northeast bolt) at the intersection of South Main Street and Kossuth. It is east/south of Main Street across from the Mobil Station. BM40 = 989.62

ID = Identification Number

TOC = top of casing

DTW = depth to water

ft bgs = feet below ground surface

ft amsl = feet above mean sea level

Table 3
Groundwater Summary Laboratory Detection Results
24, 28, and 32 South Main Street Property: Hartford, WI

Detected Constituents		NR 140, Wis. Adm. Code ES (µg/L)	NR 140, Wis. Adm. Code PAL (µg/L)	TW-1	TW-2	TW-3	DUP-3 / TW-3	Trip Blank	TW-4	DUP / TW-4	TW-5	TW-6	TW-7	Trip Blank	MW-1	PZ-1	MW-2	PZ-2	MW-3
				10/23/2019	10/23/2019	10/23/2019	10/23/2019	10/23/2019	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	3/30/2020	4/14/2022	4/14/2022	4/14/2022	4/14/2022	4/26/2022
				Concentrations (µg/L)															
Dissolved Metals	Arsenic	10	1.0	0.0019	0.0039	0.0013	0.0013	--	--	--	--	--	--	--	--	--	--	--	--
	Barium	2,000	400	0.051	0.096	0.17	0.16	--	--	--	--	--	--	--	--	--	--	--	--
	Chromium	100	10	0.012	0.0080	<0.0011	<0.0011	--	--	--	--	--	--	--	--	--	--	--	--
	Lead	15	1.5	0.0023	0.0030	0.0013	0.0010	--	--	--	--	--	--	--	--	--	--	--	--
	Selenium	50	10	0.0013 J	0.0017 J	0.0018 J	0.0020 J	--	--	--	--	--	--	--	--	--	--	--	--
PAHs	Benzo[a]anthracene	NE	NE	3.2	<0.049	<0.046	<0.047	--	--	--	--	--	0.3	--	--	--	--	--	<0.047
	Benzo[a]pyrene	0.2	0.02	3.4	<0.085	<0.081	<0.082	--	--	--	--	--	0.56	--	--	--	--	--	<0.082 *3
	Benzo[b]fluoranthene	0.2	0.02	3.8	<0.069	<0.066	<0.067	--	--	--	--	--	0.56	--	--	--	--	--	<0.067 *3
	Benzo[g,h,i]perylene	NE	NE	2.6 J	<0.32	<0.31	<0.31	--	--	--	--	--	<0.37	--	--	--	--	--	<0.31 *3
	Benzo[k]fluoranthene	NE	NE	2.2	<0.059	<0.052	<0.053	--	--	--	--	--	0.35	--	--	--	--	--	<0.053 *3
	Chrysene	0.2	0.02	3.1	<0.059	<0.056	<0.056	--	--	--	--	--	0.26	--	--	--	--	--	<0.056
	Dibenz(a,h)anthracene	NE	NE	<0.21	<0.044	<0.042	<0.042	--	--	--	--	--	0.16 J	--	--	--	--	--	<0.042 *3
	Fluoranthene	400	80	5.0	<0.39	<0.37	<0.38	--	--	--	--	--	0.52 J	--	--	--	--	--	<0.37
	Indeno[1,2,3-cd]pyrene	NE	NE	2.6	<0.064	<0.061	<0.062	--	--	--	--	--	0.34	--	--	--	--	--	<0.062 *3
	Phenanthrene	NE	NE	2.6 J	<0.26	<0.25	<0.25	--	--	--	--	--	0.36 J	--	--	--	--	--	<0.25
	Pyrene	250	50	4.5	<0.37	<0.35	<0.35	--	--	--	--	--	<0.42	--	--	--	--	--	<0.35
VOCs	1,2,4-Trimethylbenzene	480	96	0.63 J,B	0.63 J,B	0.68 J,B	0.68 J,B	<0.36	<0.36	<0.36	<0.36	<0.36	--	<0.36	<0.36	<0.36	<0.36	<1.8	--
	Benzene	5	0.5	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.16 J	<0.15	--	<0.15	<0.15	<0.15	<0.15	1.3 J	--
	Chloroform	6	0.6	<0.37	0.41 J	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	--	<0.37	<0.37	<0.37	<0.37	2.6 J B	--
	cis-1,2-Dichloroethene	70	7	<0.41	0.74 J	<0.41	<0.41	<0.41	<0.41	<0.41	2.1	<0.41	--	<0.41	<0.41	<0.41	<0.41	<2.0	--
	Ethylbenzene	700	140	--	--	--	--	--	--	--	--	--	--	--	<0.18	<0.18	<0.18	2.6	--
	Methylene Choride	5	0.5	--	--	--	--	--	--	--	--	--	--	--	3.2 J	4.0 J	<1.6	<8.3	--
	Naphthalene	100	10	<0.34	<0.34	0.63 J,B	0.75 J,B	<0.34	<0.34	<0.34	<0.34	<0.34	--	<0.34	<0.34	<0.34	<0.34	4.3 J	--
	n-Butylbenzene	NE	NE	<0.39	<0.39	0.50 J,B	0.59 J,B	<0.39	<0.39	<0.39	<0.39	<0.39	--	<0.39	<0.39	<0.39	<0.39	<1.9	--
	Styrene	100	10	<0.39	<0.39	0.46 J,B	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	--	<0.39	<0.39	<0.41	<0.39	<1.9	--
	Tetrachloroethene (PCE)	5	0.5	<0.37	4.2	<0.37	<0.37	<0.37	1.6	1.7	420 DL	2.7	--	<0.37	10	5	160	2800	--
	Toluene	800	160	0.79	0.26 J	<0.15	<0.15	<0.15	<0.15	<0.15	0.41 J	<0.15	--	<0.15	<0.15	<0.15	<0.15	<0.76	--
	Trichloroethene (TCE)	5	0.5	<0.16	0.41 J	<0.16	<0.16	<0.16	<0.16	<0.16	1.9	0.39 J	--	<0.16	0.92	<0.22	1.1	11	--

Notes: Wisconsin Department of Natural Resources (WDNR) NR 140 Wisconsin Administrative Code (WAC) Table 1 (June 2021) used to establish Public Health Groundwater Quality Standards.

<xxx = compound less than the laboratory deteciton limit
NE = not established by WAC
XXX = exceeds NR 140, WAC prevention action limit (PAL)
XXX = exceeds NR 140, WAC enforcement standard (ES)
XXX = below lab detection level but exceeds NR 140, WAC PAL
XXX = below lab detection level but exceeds NR 140, WAC ES
PAHs = polynuclear aromatic hydrocarbons
VOCs = volatile organic compounds
– = Not analyzed for constituent class
µg/L = micrograms per liter
J = Compound detected between limit of detection and limit of quantification
B = Compound was found in the blank and sample
DL = Compound was diluted during analysis
*3 = Internal Standard (ISTD) response or retention time outside acceptable limits

Table 4: Sub-Slab & Ambient Air Quality Laboratory Results, South Main Street Property, Hartford, Wisconsin

Sample Point	Water Dam Testing of Sampling Fittings** (Pass/Fail)	Date Sampled	Date Analyzed	Sample Location	Sample Duration (minutes)	Detected Volatile Organic Compounds (micrograms per cubic meter)																																		
						1,1,1,-Trichloroethane	1,1,2,2,-Tetrachloroethane	1,1,2-Trichloro- 1,2,2-trifluoroethane	1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane	2-Butanone (MEK)	Acetone	Benzene	Carbon disulfide	Carbon Terachloride	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Cyclohexane	Dichlorodifluoromethane	Ethylbenzene	Hexane	Isopropyl Alcohol	Methylene Chloride	m-Xylene & p-Xylene	o-Xylene	Styrene	Tetrachloroethene (PCE)	Tetrahydrofuran	Toluene	Trichloroethene (TCE)	Trichlorofluoromethane	Xylenes, Total
Residential VRSL (micrograms per cubic meter)				Sub-Slab (AF = 0.03)		173,333	16	173,333	600	2,100	7,000	37	140	2,100	NSL	87	187	173,333	NSL	120	24,333	157	40	3,133	NSL	210,000	3,333	367	24,333	7,000	21,000	3,333	3,333	33,333	1,400	70,000	173,333	70	NSL	3,333
Small-Commercial / Indoor Worker VRSL (micrograms per cubic meter)						733,333	70	733,333	2,567	8,667	29,333	157	600	8,667	NSL	367	833	733,333	NSL	533	103,333	667	177	13,000	NSL	866,667	14,667	1,633	103,333	29,333	86,667	14,667	14,667	146,667	6,000	293,333	733,333	293	NSL	14,667
Residential VAL (micrograms per cubic meter)				Ambient Air (AF = 1)		5,200	0.48	5,200	18	63	210	1.1	4.2	63	NSL	2.6	5.6	5,200	NSL	3.6	730	4.7	1.2	94	NSL	6,300	100	11	730	210	630	100	100	1,000	42	2,100	5,200	2.1	NSL	100
Small-Commercial / Indoor Worker VAL (micrograms per cubic meter)						22,000	2.1	22,000	77	260	880	4.7	18	260	NSL	11	25	22,000	NSL	16	3,100	20	5.3	390	NSL	26,000	440	49	3,100	880	2,600	440	440	4,400	180	8,800	22,000	8.8	NSL	440
AA-1	N/A	04/13/22	04/15/22	Ambient Air	582	0.44 J	0.44 J	0.52 J	0.61 J	1.2	1.1 J	0.40 J	0.70 J	0.86 J	0.33 J B	0.88 J B	0.35 J	3.1	47	0.48 J	0.30 J	0.43 J	1.2	2.1	0.68 J	0.71 J	4.6	1.0	0.65 J	11 J	1.7 J	2.0 J	1.3	0.45 J	20	0.66 J	2.1	0.37 J	2.2	3.3
VP-1	Pass	04/13/22	04/15/22	Basement floor sub-slab	64	<57	<35	<27	<16	<36	<68	<15	<17	<110	<35	<35	<39	<77	630 J	<15	<39	<29	47 J	<48	<14	<46	<25	28 J B	<32	<86	<170	<46	28 J B	<37	39,000	<77	<31	100 J	<23	27 J B
VP-2	Pass	04/13/22	04/15/22	Basement floor sub-slab	49	<3.9	<2.4	<1.8	<1.1	<2.5	<4.7	<1.0	<1.2	<7.9	2.4 J B	3.0 J B	<2.7	<5.3	<33	1.4 J	<2.7	<2.0	4.9 J	<3.3	<0.99	<3.2	3.5 J	1.7 J	<2.2	<5.9	<12	3.6 J	1.8 J	<2.6	260	<5.3	2.7 J	12	2.4 J	5.4 J

Note: Target Hazard Quotient (THQ) of 1 and Target Risk (TR) of 1E-05 per RR-800 (WDNR, February 2022)
AF = attenuation factor
NSL = no screening level assigned from USEPA Regional Screening Level (RSL) Table - February 2022
VAL = vapor action level
VRSL = vapor risk screening level
<x = analyte was not detected at a concentration greater than "x"
x = analyte meets or exceeds applicable residential air concentration
x = analyte meets or exceeds applicable commercial air concentration
J = analyte exceeds the limit of detection but is below the limit of quantification
B = compound was found in the blank and sample

All screening levels were determined based upon the guidance provided in the WDNR WI Vapor Quick Look-Up Table - Indoor Air Vapor Action Levels (WDNR, Feb. 2022) and Vapor Risk Screening Levels, (WDNR, Nov. 2021). The VAL and VRSLs were determined from the USEPA Regional Screening Level (RSL) Table - November 2021 per WDNR Publication RR-800 - Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin (WDNR, January 2018).

APPENDICES

APPENDIX A – SOIL BORING LOGS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
193708879 - S Main Street	S Main Street, Hartford, Wiscosnin	MW-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Dan Bendorf Probe Technologies, Inc.	4/11/2022	4/11/2022	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-1	Feet MSL	Feet MSL	4.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat 43° 31' 73.0"
Long 88° 37' 88.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
			Hartford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	BLIND DRILLED										
			1											
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Erin Gross	Stantec 12080 Corporate Parkway Suite 200 Mequon, Wisconsin 53092	(262) 241-4466 Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-1 Use only as an attachment to Form 4400-122.

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	BLIND DRILLED *(continued)*										
			14											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
193708879 - S Main Street	S Main Street, Hartford, Wiscosnin	MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Dan Bendorf Probe Technologies, Inc.	4/12/2022	4/12/2022	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-2	Feet MSL	Feet MSL	4.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat 43° 21' 33.0"
Long 88° 37' 85.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
			Hartford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	BLIND DRILLED										
			1											
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-2 Use only as an attachment to Form 4400-122.

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13 14	BLIND DRILLED *(continued)*										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
193708879 - S Main Street	S Main Street, Hartford, Wiscosnin	MW-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Dan Bendorf Probe Technologies, Inc.	4/14/2022	4/14/2022	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-3	Feet MSL	Feet MSL	4.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S/C/N
1/4 of 1/4 of Section , T N, R
Lat 43° 31' 72.0"
Long 88° 37' 81.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
			Hartford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	BLIND DRILLED										
			1											
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
			11											
			12											

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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-3 Use only as an attachment to Form 4400-122.

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			13	BLIND DRILLED *(continued)*										
			14											
			15											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
193708879 - S Main Street	S Main Street, Hartford, Wiscosnin	PZ-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Dan Bendorf Probe Technologies, Inc.	4/11/2022	4/11/2022	Geoprobe/Hollo Stem Auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		PZ-1	Feet MSL	Feet MSL	4.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R
Lat 43° 31' 73.0"
Long 88° 37' 88.0"
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
			Hartford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Fill and silty clay, some coal pieces, brown, moist, no odor				0.3						
			1	Silty clay, brown, moist, no odor	CL									
			2											
			3					0.2						
	48		4	Clay, some trace silt, no odor, moist, little angular gravel, medium to large, 5 yr 4/6 yellowish red										
	48		5					0.2						
			6		CL			0.4						
			7											
			8	Poor recovery, gravel, poorly graded, moist to wet, yellowish red, no odor										
	48		9											
	48		10		GP			0.6						
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Erin Gross	Stantec 12080 Corporate Parkway Suite 200 Mequon, Wisconsin 53092	(262) 241-4466 Fax:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number PZ-1 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 12		13	Gravel, well graded, wet, subangular to angular, no odor, 10 yr 5/6 yellowish brown	GW			0.5						
			14					0.3						
			15	Sand lense, poorly graded	SP									
	48 48		16	Poor recovery, gravel, poorly graded, moist to wet, yellowish red, no dor				0.5						
			17		GP									
			18					0.9						
			19	Sand, poorly graded, medium to fine, no odor, 10 yr 5/6 yellowish brown, some trace angular gravel	SP									
	48 48		20	Weathered limestone, refusal at 23 ft bgs				0.8						
			21		GP									
	48 36		22					0.9						
			23											

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
193708879 - S Main Street	S Main Street, Hartford, Wiscosnin	PZ-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Dan Bendorf Probe Technologies, Inc.	4/12/2022	4/12/2022	Geoprobe/Hollo Stem Auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		PZ-2	Feet MSL	Feet MSL	4.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒
State Plane N, E S / C / N
1/4 of 1/4 of Section , T N, R

Lat 43° 21' 33.0"
Long 88° 37' 85.0"

Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
			Hartford

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	Fill/sand, black ground asphalt, no odor, dry, well graded, 10 yr 5/8 yellowish brown										
			2	Gravelly sand, poorly graded, no odor, moist, angular	SP									
			3	Clay, low plasticity, little small to large gravel pieces, moist, chlorinated ordor, 7.5 yr 4/4 brown	CL			2.2						
	48 48		4	Gravelly sand, poorly graded, moist, angular, chlorinated odor, strong brown	SP			24.2						
			5											
			6	Gravel, poorly graded, dry, white, no odor	GP									
			7	Sand, poorly graded, medium to fine grained, trace small angular gravel, 2.5 yr 4/3 brown	SP			2.3						
	48 48		8	Sandy gravel, wet, moderately graded, chlorinated odor, 7.5 yr 5/6 strong brown	GP			0.5						
			9											
			10	Sand, saturated at 10 ft, trace to little silt, poorly graded, trace nedium angular gravel, chlorinated odor, 7.5 yr 5/6 brown	SP			0.4						
			11											
			12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
Erin Goss	Stantec 12080 Corporate Parkway Suite 200 Mequon, Wisconsin 53092	(262) 241-4466 Fax:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number PZ-2 Use only as an attachment to Form 4400-122. Page 2 of 2

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	48 48		13	Sandy gravel, saturated, sub angular, small to medium gravel, poorly graded, 7.5 yr 5/6 strong brown				0.3						
			14											
			15		GP			1.0						
	48 48		16											
			17					0.3						
			18	Gravelly sand, saturated, moderately graded, no dor, 7.5 yr 6/6 reddish yellow, refusual at 20 ft bgs										
			19		SP			0.4						
			20					3.7						

APPENDIX B – LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-215156-1
Client Project/Site: MEAN STREET PROPERTY - 193708879

For:
Stantec Consulting Corp.
12075 Corporate Pkwy, Suite 200
Mequon, Wisconsin 53092

Attn: Rick Binder

Authorized for release by:
4/22/2022 4:14:03 PM

Sandie Fredrick, Project Manager II
(920)261-1660
Sandra.Fredrick@et.eurofinsus.com

Table of Contents

Job ID: 500-215156-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-215156-1

Comments
No additional comments.

Receipt
The samples were received on 4/15/2022 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA
Methods TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by Eurofins TestAmerica Knoxville.

Method TO-15: The continuing calibration verification (CCV) associated with batch 140-60720 exhibited % difference of > 30% for the following analyte(s) Chloromethane, Hexachlorobutadiene and Isopropyl alcohol; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

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

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Client Sample ID: AA-1

Lab Sample ID: 500-215156-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.080	J	0.20	0.072	ppb v/v	1		TO-15	Total/NA
1,1,2,2-Tetrachloroethane	0.064	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.067	J	0.20	0.024	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.15	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.24		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,2-Dichlorobenzene	0.18	J	0.20	0.078	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethane	0.099	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
1,2-Dichloropropane	0.15	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.17	J	0.20	0.16	ppb v/v	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.055	J B	0.20	0.040	ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.15	J B	0.20	0.040	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.097	J	5.0	0.075	ppb v/v	1		TO-15	Total/NA
2-Butanone (MEK)	1.1		1.0	0.18	ppb v/v	1		TO-15	Total/NA
Acetone	20		5.0	1.4	ppb v/v	1		TO-15	Total/NA
Benzene	0.15	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.095	J	0.50	0.087	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.068	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Chloroform	0.25		0.20	0.036	ppb v/v	1		TO-15	Total/NA
Chloromethane	1.0		0.50	0.16	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.17	J	0.20	0.025	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.21	J	0.50	0.093	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.94		0.50	0.035	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.24		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Hexane	0.18	J	0.80	0.063	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	4.5	J	5.0	0.24	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.50	J	1.0	0.34	ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	0.46	J	0.80	0.073	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.30		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Styrene	0.10	J	0.20	0.060	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	3.0		0.20	0.029	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.22	J	5.0	0.18	ppb v/v	1		TO-15	Total/NA
Toluene	0.57		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.069	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.38		0.20	0.028	ppb v/v	1		TO-15	Total/NA
Xylenes, Total	0.76		0.40	0.038	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.44	J	1.1	0.39	ug/m3	1		TO-15	Total/NA
1,1,2,2-Tetrachloroethane	0.44	J	1.4	0.24	ug/m3	1		TO-15	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.52	J	1.5	0.18	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.61	J	0.81	0.11	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.2		0.98	0.25	ug/m3	1		TO-15	Total/NA
1,2-Dichlorobenzene	1.1	J	1.2	0.47	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethane	0.40	J	0.81	0.10	ug/m3	1		TO-15	Total/NA
1,2-Dichloropropane	0.70	J	0.92	0.12	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.86	J	0.98	0.79	ug/m3	1		TO-15	Total/NA
1,3-Dichlorobenzene	0.33	J B	1.2	0.24	ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.88	J B	1.2	0.24	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	0.35	J	18	0.27	ug/m3	1		TO-15	Total/NA
2-Butanone (MEK)	3.1		2.9	0.53	ug/m3	1		TO-15	Total/NA
Acetone	47		12	3.3	ug/m3	1		TO-15	Total/NA
Benzene	0.48	J	0.64	0.11	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: AA-1 (Continued)
Lab Sample ID: 500-215156-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.30	J	1.6	0.27	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.43	J	1.3	0.20	ug/m3	1		TO-15	Total/NA
Chloroform	1.2		0.98	0.18	ug/m3	1		TO-15	Total/NA
Chloromethane	2.1		1.0	0.33	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.68	J	0.79	0.099	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.71	J	1.7	0.32	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	4.6		2.5	0.17	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.0		0.87	0.14	ug/m3	1		TO-15	Total/NA
Hexane	0.65	J	2.8	0.22	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	11	J	12	0.59	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.7	J	3.5	1.2	ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	2.0	J	3.5	0.32	ug/m3	1		TO-15	Total/NA
o-Xylene	1.3		0.87	0.17	ug/m3	1		TO-15	Total/NA
Styrene	0.45	J	0.85	0.26	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	20		1.4	0.20	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	0.66	J	15	0.53	ug/m3	1		TO-15	Total/NA
Toluene	2.1		0.75	0.21	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.37	J	1.1	0.18	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.2		1.1	0.16	ug/m3	1		TO-15	Total/NA
Xylenes, Total	3.3		1.7	0.17	ug/m3	1		TO-15	Total/NA

Client Sample ID: VP-1
Lab Sample ID: 500-215156-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	260	J	730	200	ppb v/v	36.27		TO-15	Total/NA
Chloroform	9.7	J	29	5.2	ppb v/v	36.27		TO-15	Total/NA
Ethylbenzene	6.5	J B	29	4.8	ppb v/v	36.27		TO-15	Total/NA
o-Xylene	6.3	J B	29	5.5	ppb v/v	36.27		TO-15	Total/NA
Tetrachloroethene	5700		29	4.2	ppb v/v	36.27		TO-15	Total/NA
Trichloroethene	19	J	29	4.8	ppb v/v	36.27		TO-15	Total/NA
Xylenes, Total	6.3	J B	58	5.5	ppb v/v	36.27		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	630	J	1700	480	ug/m3	36.27		TO-15	Total/NA
Chloroform	47	J	140	26	ug/m3	36.27		TO-15	Total/NA
Ethylbenzene	28	J B	130	21	ug/m3	36.27		TO-15	Total/NA
o-Xylene	28	J B	130	24	ug/m3	36.27		TO-15	Total/NA
Tetrachloroethene	39000		200	29	ug/m3	36.27		TO-15	Total/NA
Trichloroethene	100	J	160	26	ug/m3	36.27		TO-15	Total/NA
Xylenes, Total	27	J B	250	24	ug/m3	36.27		TO-15	Total/NA

Client Sample ID: VP-2
Lab Sample ID: 500-215156-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.40	J B	2.0	0.40	ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.50	J B	2.0	0.40	ppb v/v	1		TO-15	Total/NA
Benzene	0.43	J	2.0	0.33	ppb v/v	1		TO-15	Total/NA
Chloroform	1.0	J	2.0	0.36	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.71	J	5.0	0.35	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.38	J	2.0	0.33	ppb v/v	1		TO-15	Total/NA
m-Xylene & p-Xylene	0.84	J	8.0	0.73	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.41	J	2.0	0.38	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	38		2.0	0.29	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: VP-2 (Continued)
Lab Sample ID: 500-215156-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.71	J	2.0	0.57	ppb v/v	1		TO-15	Total/NA
Trichloroethene	2.2		2.0	0.33	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.42	J	2.0	0.28	ppb v/v	1		TO-15	Total/NA
Xylenes, Total	1.3	J	4.0	0.38	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	2.4	J B	12	2.4	ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	3.0	J B	12	2.4	ug/m3	1		TO-15	Total/NA
Benzene	1.4	J	6.4	1.1	ug/m3	1		TO-15	Total/NA
Chloroform	4.9	J	9.8	1.8	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	3.5	J	25	1.7	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.7	J	8.7	1.4	ug/m3	1		TO-15	Total/NA
m-Xylene & p-Xylene	3.6	J	35	3.2	ug/m3	1		TO-15	Total/NA
o-Xylene	1.8	J	8.7	1.7	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	260		14	2.0	ug/m3	1		TO-15	Total/NA
Toluene	2.7	J	7.5	2.1	ug/m3	1		TO-15	Total/NA
Trichloroethene	12		11	1.8	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.4	J	11	1.6	ug/m3	1		TO-15	Total/NA
Xylenes, Total	5.4	J	17	1.7	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-215156-1	AA-1	Air	04/13/22 16:42	04/15/22 09:15	Air Canister (6-Liter) #34000201
500-215156-2	VP-1	Air	04/13/22 10:12	04/15/22 09:15	Air Canister (6-Liter) #34000105
500-215156-3	VP-2	Air	04/13/22 10:05	04/15/22 09:15	Air Canister (6-Liter) #34002027

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Client Sample ID: AA-1

Date Collected: 04/13/22 16:42
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.080**	**J**	0.20	0.072	ppb v/v			04/19/22 18:51	1
1,1,2,2-Tetrachloroethane	**0.064**	**J**	0.20	0.035	ppb v/v			04/19/22 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.067**	**J**	0.20	0.024	ppb v/v			04/19/22 18:51	1
1,1,2-Trichloroethane	<0.038		0.20	0.038	ppb v/v			04/19/22 18:51	1
1,1-Dichloroethane	**0.15**	**J**	0.20	0.027	ppb v/v			04/19/22 18:51	1
1,1-Dichloroethene	<0.032		0.20	0.032	ppb v/v			04/19/22 18:51	1
1,2,4-Trichlorobenzene	<0.089		2.0	0.089	ppb v/v			04/19/22 18:51	1
1,2,4-Trimethylbenzene	**0.24**		0.20	0.050	ppb v/v			04/19/22 18:51	1
1,2-Dibromoethane	<0.031		0.20	0.031	ppb v/v			04/19/22 18:51	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.030		0.20	0.030	ppb v/v			04/19/22 18:51	1
1,2-Dichlorobenzene	**0.18**	**J**	0.20	0.078	ppb v/v			04/19/22 18:51	1
1,2-Dichloroethane	**0.099**	**J**	0.20	0.025	ppb v/v			04/19/22 18:51	1
1,2-Dichloropropane	**0.15**	**J**	0.20	0.025	ppb v/v			04/19/22 18:51	1
1,3,5-Trimethylbenzene	**0.17**	**J**	0.20	0.16	ppb v/v			04/19/22 18:51	1
1,3-Dichlorobenzene	**0.055**	**J B**	0.20	0.040	ppb v/v			04/19/22 18:51	1
1,4-Dichlorobenzene	**0.15**	**J B**	0.20	0.040	ppb v/v			04/19/22 18:51	1
1,4-Dioxane	**0.097**	**J**	5.0	0.075	ppb v/v			04/19/22 18:51	1
2-Butanone (MEK)	**1.1**		1.0	0.18	ppb v/v			04/19/22 18:51	1
4-Methyl-2-pentanone (MIBK)	<0.14		0.50	0.14	ppb v/v			04/19/22 18:51	1
Acetone	**20**		5.0	1.4	ppb v/v			04/19/22 18:51	1
Benzene	**0.15**	**J**	0.20	0.033	ppb v/v			04/19/22 18:51	1
Benzyl chloride	<0.095		0.80	0.095	ppb v/v			04/19/22 18:51	1
Dichlorobromomethane	<0.044		0.20	0.044	ppb v/v			04/19/22 18:51	1
Bromoform	<0.066		0.20	0.066	ppb v/v			04/19/22 18:51	1
Bromomethane	<0.055		0.20	0.055	ppb v/v			04/19/22 18:51	1
Carbon disulfide	**0.095**	**J**	0.50	0.087	ppb v/v			04/19/22 18:51	1
Carbon tetrachloride	**0.068**	**J**	0.20	0.032	ppb v/v			04/19/22 18:51	1
Chlorobenzene	<0.056		0.20	0.056	ppb v/v			04/19/22 18:51	1
Chloroethane	<0.079		0.80	0.079	ppb v/v			04/19/22 18:51	1
Chloroform	**0.25**		0.20	0.036	ppb v/v			04/19/22 18:51	1
Chloromethane	**1.0**		0.50	0.16	ppb v/v			04/19/22 18:51	1
cis-1,2-Dichloroethene	**0.17**	**J**	0.20	0.025	ppb v/v			04/19/22 18:51	1
cis-1,3-Dichloropropene	<0.048		0.20	0.048	ppb v/v			04/19/22 18:51	1
Cyclohexane	**0.21**	**J**	0.50	0.093	ppb v/v			04/19/22 18:51	1
Dibromochloromethane	<0.034		0.20	0.034	ppb v/v			04/19/22 18:51	1
Dichlorodifluoromethane	**0.94**		0.50	0.035	ppb v/v			04/19/22 18:51	1
Ethylbenzene	**0.24**		0.20	0.033	ppb v/v			04/19/22 18:51	1
Hexachlorobutadiene	<0.080		0.20	0.080	ppb v/v			04/19/22 18:51	1
Hexane	**0.18**	**J**	0.80	0.063	ppb v/v			04/19/22 18:51	1
Isopropyl alcohol	**4.5**	**J**	5.0	0.24	ppb v/v			04/19/22 18:51	1
Isopropylbenzene	<0.043		0.80	0.043	ppb v/v			04/19/22 18:51	1
Methyl tert-butyl ether	<0.13		1.0	0.13	ppb v/v			04/19/22 18:51	1
Methylene Chloride	**0.50**	**J**	1.0	0.34	ppb v/v			04/19/22 18:51	1
m-Xylene & p-Xylene	**0.46**	**J**	0.80	0.073	ppb v/v			04/19/22 18:51	1
Naphthalene	<0.10		0.50	0.10	ppb v/v			04/19/22 18:51	1
o-Xylene	**0.30**		0.20	0.038	ppb v/v			04/19/22 18:51	1
Styrene	**0.10**	**J**	0.20	0.060	ppb v/v			04/19/22 18:51	1
Tetrachloroethene	**3.0**		0.20	0.029	ppb v/v			04/19/22 18:51	1
Tetrahydrofuran	**0.22**	**J**	5.0	0.18	ppb v/v			04/19/22 18:51	1

Client Sample ID: AA-1
Lab Sample ID: 500-215156-1

Date Collected: 04/13/22 16:42
Matrix: Air
Date Received: 04/15/22 09:15

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.57**		0.20	0.057	ppb v/v			04/19/22 18:51	1
trans-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			04/19/22 18:51	1
trans-1,3-Dichloropropene	<0.049		0.20	0.049	ppb v/v			04/19/22 18:51	1
Trichloroethene	**0.069**	**J**	0.20	0.033	ppb v/v			04/19/22 18:51	1
Trichlorofluoromethane	**0.38**		0.20	0.028	ppb v/v			04/19/22 18:51	1
Vinyl acetate	<0.070		5.0	0.070	ppb v/v			04/19/22 18:51	1
Vinyl bromide	<0.050		0.20	0.050	ppb v/v			04/19/22 18:51	1
Vinyl chloride	<0.065		0.20	0.065	ppb v/v			04/19/22 18:51	1
Xylenes, Total	**0.76**		0.40	0.038	ppb v/v			04/19/22 18:51	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.44**	**J**	1.1	0.39	ug/m3			04/19/22 18:51	1
1,1,2,2-Tetrachloroethane	**0.44**	**J**	1.4	0.24	ug/m3			04/19/22 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.52**	**J**	1.5	0.18	ug/m3			04/19/22 18:51	1
1,1,2-Trichloroethane	<0.21		1.1	0.21	ug/m3			04/19/22 18:51	1
1,1-Dichloroethane	**0.61**	**J**	0.81	0.11	ug/m3			04/19/22 18:51	1
1,1-Dichloroethene	<0.13		0.79	0.13	ug/m3			04/19/22 18:51	1
1,2,4-Trichlorobenzene	<0.66		15	0.66	ug/m3			04/19/22 18:51	1
1,2,4-Trimethylbenzene	**1.2**		0.98	0.25	ug/m3			04/19/22 18:51	1
1,2-Dibromoethane	<0.24		1.5	0.24	ug/m3			04/19/22 18:51	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.21		1.4	0.21	ug/m3			04/19/22 18:51	1
1,2-Dichlorobenzene	**1.1**	**J**	1.2	0.47	ug/m3			04/19/22 18:51	1
1,2-Dichloroethane	**0.40**	**J**	0.81	0.10	ug/m3			04/19/22 18:51	1
1,2-Dichloropropane	**0.70**	**J**	0.92	0.12	ug/m3			04/19/22 18:51	1
1,3,5-Trimethylbenzene	**0.86**	**J**	0.98	0.79	ug/m3			04/19/22 18:51	1
1,3-Dichlorobenzene	**0.33**	**J B**	1.2	0.24	ug/m3			04/19/22 18:51	1
1,4-Dichlorobenzene	**0.88**	**J B**	1.2	0.24	ug/m3			04/19/22 18:51	1
1,4-Dioxane	**0.35**	**J**	18	0.27	ug/m3			04/19/22 18:51	1
2-Butanone (MEK)	**3.1**		2.9	0.53	ug/m3			04/19/22 18:51	1
4-Methyl-2-pentanone (MIBK)	<0.57		2.0	0.57	ug/m3			04/19/22 18:51	1
Acetone	**47**		12	3.3	ug/m3			04/19/22 18:51	1
Benzene	**0.48**	**J**	0.64	0.11	ug/m3			04/19/22 18:51	1
Benzyl chloride	<0.49		4.1	0.49	ug/m3			04/19/22 18:51	1
Dichlorobromomethane	<0.29		1.3	0.29	ug/m3			04/19/22 18:51	1
Bromoform	<0.68		2.1	0.68	ug/m3			04/19/22 18:51	1
Bromomethane	<0.21		0.78	0.21	ug/m3			04/19/22 18:51	1
Carbon disulfide	**0.30**	**J**	1.6	0.27	ug/m3			04/19/22 18:51	1
Carbon tetrachloride	**0.43**	**J**	1.3	0.20	ug/m3			04/19/22 18:51	1
Chlorobenzene	<0.26		0.92	0.26	ug/m3			04/19/22 18:51	1
Chloroethane	<0.21		2.1	0.21	ug/m3			04/19/22 18:51	1
Chloroform	**1.2**		0.98	0.18	ug/m3			04/19/22 18:51	1
Chloromethane	**2.1**		1.0	0.33	ug/m3			04/19/22 18:51	1
cis-1,2-Dichloroethene	**0.68**	**J**	0.79	0.099	ug/m3			04/19/22 18:51	1
cis-1,3-Dichloropropene	<0.22		0.91	0.22	ug/m3			04/19/22 18:51	1
Cyclohexane	**0.71**	**J**	1.7	0.32	ug/m3			04/19/22 18:51	1
Dibromochloromethane	<0.29		1.7	0.29	ug/m3			04/19/22 18:51	1
Dichlorodifluoromethane	**4.6**		2.5	0.17	ug/m3			04/19/22 18:51	1
Ethylbenzene	**1.0**		0.87	0.14	ug/m3			04/19/22 18:51	1
Hexachlorobutadiene	<0.85		2.1	0.85	ug/m3			04/19/22 18:51	1

Client: Stantec Consulting Corp.
Job ID: 500-215156-1
Project/Site: MEAN STREET PROPERTY - 193708879

Client Sample ID: AA-1
Lab Sample ID: 500-215156-1
Date Collected: 04/13/22 16:42
Matrix: Air
Date Received: 04/15/22 09:15

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	**0.65**	**J**	2.8	0.22	ug/m3			04/19/22 18:51	1
Isopropyl alcohol	**11**	**J**	12	0.59	ug/m3			04/19/22 18:51	1
Isopropylbenzene	<0.21		3.9	0.21	ug/m3			04/19/22 18:51	1
Methyl tert-butyl ether	<0.47		3.6	0.47	ug/m3			04/19/22 18:51	1
Methylene Chloride	**1.7**	**J**	3.5	1.2	ug/m3			04/19/22 18:51	1
m-Xylene & p-Xylene	**2.0**	**J**	3.5	0.32	ug/m3			04/19/22 18:51	1
Naphthalene	<0.52		2.6	0.52	ug/m3			04/19/22 18:51	1
o-Xylene	**1.3**		0.87	0.17	ug/m3			04/19/22 18:51	1
Styrene	**0.45**	**J**	0.85	0.26	ug/m3			04/19/22 18:51	1
Tetrachloroethene	**20**		1.4	0.20	ug/m3			04/19/22 18:51	1
Tetrahydrofuran	**0.66**	**J**	15	0.53	ug/m3			04/19/22 18:51	1
Toluene	**2.1**		0.75	0.21	ug/m3			04/19/22 18:51	1
trans-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			04/19/22 18:51	1
trans-1,3-Dichloropropene	<0.22		0.91	0.22	ug/m3			04/19/22 18:51	1
Trichloroethene	**0.37**	**J**	1.1	0.18	ug/m3			04/19/22 18:51	1
Trichlorofluoromethane	**2.2**		1.1	0.16	ug/m3			04/19/22 18:51	1
Vinyl acetate	<0.25		18	0.25	ug/m3			04/19/22 18:51	1
Vinyl bromide	<0.22		0.87	0.22	ug/m3			04/19/22 18:51	1
Vinyl chloride	<0.17		0.51	0.17	ug/m3			04/19/22 18:51	1
Xylenes, Total	**3.3**		1.7	0.17	ug/m3			04/19/22 18:51	1

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Client Sample ID: VP-1
Date Collected: 04/13/22 10:12
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<10		29	10	ppb v/v			04/19/22 00:29	36.27
1,1,2,2-Tetrachloroethane	<5.1		29	5.1	ppb v/v			04/19/22 00:29	36.27
1,1,2-Trichloro-1,2,2-trifluoroethane	<3.5		29	3.5	ppb v/v			04/19/22 00:29	36.27
1,1,2-Trichloroethane	<5.5		29	5.5	ppb v/v			04/19/22 00:29	36.27
1,1-Dichloroethane	<3.9		29	3.9	ppb v/v			04/19/22 00:29	36.27
1,1-Dichloroethene	<4.6		29	4.6	ppb v/v			04/19/22 00:29	36.27
1,2,4-Trichlorobenzene	<13		290	13	ppb v/v			04/19/22 00:29	36.27
1,2,4-Trimethylbenzene	<7.3		29	7.3	ppb v/v			04/19/22 00:29	36.27
1,2-Dibromoethane	<4.5		29	4.5	ppb v/v			04/19/22 00:29	36.27
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<4.4		29	4.4	ppb v/v			04/19/22 00:29	36.27
1,2-Dichlorobenzene	<11		29	11	ppb v/v			04/19/22 00:29	36.27
1,2-Dichloroethane	<3.6		29	3.6	ppb v/v			04/19/22 00:29	36.27
1,2-Dichloropropane	<3.6		29	3.6	ppb v/v			04/19/22 00:29	36.27
1,3,5-Trimethylbenzene	<23		29	23	ppb v/v			04/19/22 00:29	36.27
1,3-Dichlorobenzene	<5.8		29	5.8	ppb v/v			04/19/22 00:29	36.27
1,4-Dichlorobenzene	<5.8		29	5.8	ppb v/v			04/19/22 00:29	36.27
1,4-Dioxane	<11		730	11	ppb v/v			04/19/22 00:29	36.27
2-Butanone (MEK)	<26		150	26	ppb v/v			04/19/22 00:29	36.27
4-Methyl-2-pentanone (MIBK)	<20		73	20	ppb v/v			04/19/22 00:29	36.27
Acetone	**260**	**J**	730	200	ppb v/v			04/19/22 00:29	36.27
Benzene	<4.8		29	4.8	ppb v/v			04/19/22 00:29	36.27
Benzyl chloride	<14		120	14	ppb v/v			04/19/22 00:29	36.27
Dichlorobromomethane	<6.4		29	6.4	ppb v/v			04/19/22 00:29	36.27
Bromoform	<9.6		29	9.6	ppb v/v			04/19/22 00:29	36.27
Bromomethane	<8.0		29	8.0	ppb v/v			04/19/22 00:29	36.27
Carbon disulfide	<13		73	13	ppb v/v			04/19/22 00:29	36.27
Carbon tetrachloride	<4.6		29	4.6	ppb v/v			04/19/22 00:29	36.27
Chlorobenzene	<8.1		29	8.1	ppb v/v			04/19/22 00:29	36.27
Chloroethane	<11		120	11	ppb v/v			04/19/22 00:29	36.27
Chloroform	**9.7**	**J**	29	5.2	ppb v/v			04/19/22 00:29	36.27
Chloromethane	<23		73	23	ppb v/v			04/19/22 00:29	36.27
cis-1,2-Dichloroethene	<3.6		29	3.6	ppb v/v			04/19/22 00:29	36.27
cis-1,3-Dichloropropene	<7.0		29	7.0	ppb v/v			04/19/22 00:29	36.27
Cyclohexane	<13		73	13	ppb v/v			04/19/22 00:29	36.27
Dibromochloromethane	<4.9		29	4.9	ppb v/v			04/19/22 00:29	36.27
Dichlorodifluoromethane	<5.1		73	5.1	ppb v/v			04/19/22 00:29	36.27
Ethylbenzene	**6.5**	**J B**	29	4.8	ppb v/v			04/19/22 00:29	36.27
Hexachlorobutadiene	<12		29	12	ppb v/v			04/19/22 00:29	36.27
Hexane	<9.1		120	9.1	ppb v/v			04/19/22 00:29	36.27
Isopropyl alcohol	<35		730	35	ppb v/v			04/19/22 00:29	36.27
Isopropylbenzene	<6.2		120	6.2	ppb v/v			04/19/22 00:29	36.27
Methyl tert-butyl ether	<19		150	19	ppb v/v			04/19/22 00:29	36.27
Methylene Chloride	<49		150	49	ppb v/v			04/19/22 00:29	36.27
m-Xylene & p-Xylene	<11		120	11	ppb v/v			04/19/22 00:29	36.27
Naphthalene	<15		73	15	ppb v/v			04/19/22 00:29	36.27
o-Xylene	**6.3**	**J B**	29	5.5	ppb v/v			04/19/22 00:29	36.27
Styrene	<8.7		29	8.7	ppb v/v			04/19/22 00:29	36.27
Tetrachloroethene	**5700**		29	4.2	ppb v/v			04/19/22 00:29	36.27
Tetrahydrofuran	<26		730	26	ppb v/v			04/19/22 00:29	36.27

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Client Sample ID: VP-1
Date Collected: 04/13/22 10:12
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<8.3		29	8.3	ppb v/v			04/19/22 00:29	36.27
trans-1,2-Dichloroethene	<4.8		29	4.8	ppb v/v			04/19/22 00:29	36.27
trans-1,3-Dichloropropene	<7.1		29	7.1	ppb v/v			04/19/22 00:29	36.27
Trichloroethene	**19**	**J**	29	4.8	ppb v/v			04/19/22 00:29	36.27
Trichlorofluoromethane	<4.1		29	4.1	ppb v/v			04/19/22 00:29	36.27
Vinyl acetate	<10		730	10	ppb v/v			04/19/22 00:29	36.27
Vinyl bromide	<7.3		29	7.3	ppb v/v			04/19/22 00:29	36.27
Vinyl chloride	<9.4		29	9.4	ppb v/v			04/19/22 00:29	36.27
Xylenes, Total	**6.3**	**J B**	58	5.5	ppb v/v			04/19/22 00:29	36.27

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<57		160	57	ug/m3			04/19/22 00:29	36.27
1,1,2,2-Tetrachloroethane	<35		200	35	ug/m3			04/19/22 00:29	36.27
1,1,2-Trichloro-1,2,2-trifluoroethane	<27		220	27	ug/m3			04/19/22 00:29	36.27
1,1,2-Trichloroethane	<30		160	30	ug/m3			04/19/22 00:29	36.27
1,1-Dichloroethane	<16		120	16	ug/m3			04/19/22 00:29	36.27
1,1-Dichloroethene	<18		120	18	ug/m3			04/19/22 00:29	36.27
1,2,4-Trichlorobenzene	<96		2200	96	ug/m3			04/19/22 00:29	36.27
1,2,4-Trimethylbenzene	<36		140	36	ug/m3			04/19/22 00:29	36.27
1,2-Dibromoethane	<35		220	35	ug/m3			04/19/22 00:29	36.27
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<30		200	30	ug/m3			04/19/22 00:29	36.27
1,2-Dichlorobenzene	<68		170	68	ug/m3			04/19/22 00:29	36.27
1,2-Dichloroethane	<15		120	15	ug/m3			04/19/22 00:29	36.27
1,2-Dichloropropane	<17		130	17	ug/m3			04/19/22 00:29	36.27
1,3,5-Trimethylbenzene	<110		140	110	ug/m3			04/19/22 00:29	36.27
1,3-Dichlorobenzene	<35		170	35	ug/m3			04/19/22 00:29	36.27
1,4-Dichlorobenzene	<35		170	35	ug/m3			04/19/22 00:29	36.27
1,4-Dioxane	<39		2600	39	ug/m3			04/19/22 00:29	36.27
2-Butanone (MEK)	<77		430	77	ug/m3			04/19/22 00:29	36.27
4-Methyl-2-pentanone (MIBK)	<83		300	83	ug/m3			04/19/22 00:29	36.27
Acetone	**630**	**J**	1700	480	ug/m3			04/19/22 00:29	36.27
Benzene	<15		93	15	ug/m3			04/19/22 00:29	36.27
Benzyl chloride	<71		600	71	ug/m3			04/19/22 00:29	36.27
Dichlorobromomethane	<43		190	43	ug/m3			04/19/22 00:29	36.27
Bromoform	<99		300	99	ug/m3			04/19/22 00:29	36.27
Bromomethane	<31		110	31	ug/m3			04/19/22 00:29	36.27
Carbon disulfide	<39		230	39	ug/m3			04/19/22 00:29	36.27
Carbon tetrachloride	<29		180	29	ug/m3			04/19/22 00:29	36.27
Chlorobenzene	<37		130	37	ug/m3			04/19/22 00:29	36.27
Chloroethane	<30		310	30	ug/m3			04/19/22 00:29	36.27
Chloroform	**47**	**J**	140	26	ug/m3			04/19/22 00:29	36.27
Chloromethane	<48		150	48	ug/m3			04/19/22 00:29	36.27
cis-1,2-Dichloroethene	<14		120	14	ug/m3			04/19/22 00:29	36.27
cis-1,3-Dichloropropene	<32		130	32	ug/m3			04/19/22 00:29	36.27
Cyclohexane	<46		250	46	ug/m3			04/19/22 00:29	36.27
Dibromochloromethane	<42		250	42	ug/m3			04/19/22 00:29	36.27
Dichlorodifluoromethane	<25		360	25	ug/m3			04/19/22 00:29	36.27
Ethylbenzene	**28**	**J B**	130	21	ug/m3			04/19/22 00:29	36.27
Hexachlorobutadiene	<120		310	120	ug/m3			04/19/22 00:29	36.27
Hexane	<32		410	32	ug/m3			04/19/22 00:29	36.27

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Client Sample ID: VP-1
Date Collected: 04/13/22 10:12
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	<86		1800	86	ug/m3			04/19/22 00:29	36.27
Isopropylbenzene	<31		570	31	ug/m3			04/19/22 00:29	36.27
Methyl tert-butyl ether	<68		520	68	ug/m3			04/19/22 00:29	36.27
Methylene Chloride	<170		500	170	ug/m3			04/19/22 00:29	36.27
m-Xylene & p-Xylene	<46		500	46	ug/m3			04/19/22 00:29	36.27
Naphthalene	<76		380	76	ug/m3			04/19/22 00:29	36.27
o-Xylene	**28**	**J B**	130	24	ug/m3			04/19/22 00:29	36.27
Styrene	<37		120	37	ug/m3			04/19/22 00:29	36.27
Tetrachloroethene	**39000**		200	29	ug/m3			04/19/22 00:29	36.27
Tetrahydrofuran	<77		2100	77	ug/m3			04/19/22 00:29	36.27
Toluene	<31		110	31	ug/m3			04/19/22 00:29	36.27
trans-1,2-Dichloroethene	<19		120	19	ug/m3			04/19/22 00:29	36.27
trans-1,3-Dichloropropene	<32		130	32	ug/m3			04/19/22 00:29	36.27
Trichloroethene	**100**	**J**	160	26	ug/m3			04/19/22 00:29	36.27
Trichlorofluoromethane	<23		160	23	ug/m3			04/19/22 00:29	36.27
Vinyl acetate	<36		2600	36	ug/m3			04/19/22 00:29	36.27
Vinyl bromide	<32		130	32	ug/m3			04/19/22 00:29	36.27
Vinyl chloride	<24		74	24	ug/m3			04/19/22 00:29	36.27
Xylenes, Total	**27**	**J B**	250	24	ug/m3			04/19/22 00:29	36.27

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Client Sample ID: VP-2
Date Collected: 04/13/22 10:05
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.72		2.0	0.72	ppb v/v			04/19/22 19:37	1
1,1,2,2-Tetrachloroethane	<0.35		2.0	0.35	ppb v/v			04/19/22 19:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.24		2.0	0.24	ppb v/v			04/19/22 19:37	1
1,1,2-Trichloroethane	<0.38		2.0	0.38	ppb v/v			04/19/22 19:37	1
1,1-Dichloroethane	<0.27		2.0	0.27	ppb v/v			04/19/22 19:37	1
1,1-Dichloroethene	<0.32		2.0	0.32	ppb v/v			04/19/22 19:37	1
1,2,4-Trichlorobenzene	<0.89		20	0.89	ppb v/v			04/19/22 19:37	1
1,2,4-Trimethylbenzene	<0.50		2.0	0.50	ppb v/v			04/19/22 19:37	1
1,2-Dibromoethane	<0.31		2.0	0.31	ppb v/v			04/19/22 19:37	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.30		2.0	0.30	ppb v/v			04/19/22 19:37	1
1,2-Dichlorobenzene	<0.78		2.0	0.78	ppb v/v			04/19/22 19:37	1
1,2-Dichloroethane	<0.25		2.0	0.25	ppb v/v			04/19/22 19:37	1
1,2-Dichloropropane	<0.25		2.0	0.25	ppb v/v			04/19/22 19:37	1
1,3,5-Trimethylbenzene	<1.6		2.0	1.6	ppb v/v			04/19/22 19:37	1
1,3-Dichlorobenzene	**0.40**	**J B**	2.0	0.40	ppb v/v			04/19/22 19:37	1
1,4-Dichlorobenzene	**0.50**	**J B**	2.0	0.40	ppb v/v			04/19/22 19:37	1
1,4-Dioxane	<0.75		50	0.75	ppb v/v			04/19/22 19:37	1
2-Butanone (MEK)	<1.8		10	1.8	ppb v/v			04/19/22 19:37	1
4-Methyl-2-pentanone (MIBK)	<1.4		5.0	1.4	ppb v/v			04/19/22 19:37	1
Acetone	<14		50	14	ppb v/v			04/19/22 19:37	1
Benzene	**0.43**	**J**	2.0	0.33	ppb v/v			04/19/22 19:37	1
Benzyl chloride	<0.95		8.0	0.95	ppb v/v			04/19/22 19:37	1
Dichlorobromomethane	<0.44		2.0	0.44	ppb v/v			04/19/22 19:37	1
Bromoform	<0.66		2.0	0.66	ppb v/v			04/19/22 19:37	1
Bromomethane	<0.55		2.0	0.55	ppb v/v			04/19/22 19:37	1
Carbon disulfide	<0.87		5.0	0.87	ppb v/v			04/19/22 19:37	1
Carbon tetrachloride	<0.32		2.0	0.32	ppb v/v			04/19/22 19:37	1
Chlorobenzene	<0.56		2.0	0.56	ppb v/v			04/19/22 19:37	1
Chloroethane	<0.79		8.0	0.79	ppb v/v			04/19/22 19:37	1
Chloroform	**1.0**	**J**	2.0	0.36	ppb v/v			04/19/22 19:37	1
Chloromethane	<1.6		5.0	1.6	ppb v/v			04/19/22 19:37	1
cis-1,2-Dichloroethene	<0.25		2.0	0.25	ppb v/v			04/19/22 19:37	1
cis-1,3-Dichloropropene	<0.48		2.0	0.48	ppb v/v			04/19/22 19:37	1
Cyclohexane	<0.93		5.0	0.93	ppb v/v			04/19/22 19:37	1
Dibromochloromethane	<0.34		2.0	0.34	ppb v/v			04/19/22 19:37	1
Dichlorodifluoromethane	**0.71**	**J**	5.0	0.35	ppb v/v			04/19/22 19:37	1
Ethylbenzene	**0.38**	**J**	2.0	0.33	ppb v/v			04/19/22 19:37	1
Hexachlorobutadiene	<0.80		2.0	0.80	ppb v/v			04/19/22 19:37	1
Hexane	<0.63		8.0	0.63	ppb v/v			04/19/22 19:37	1
Isopropyl alcohol	<2.4		50	2.4	ppb v/v			04/19/22 19:37	1
Isopropylbenzene	<0.43		8.0	0.43	ppb v/v			04/19/22 19:37	1
Methyl tert-butyl ether	<1.3		10	1.3	ppb v/v			04/19/22 19:37	1
Methylene Chloride	<3.4		10	3.4	ppb v/v			04/19/22 19:37	1
m-Xylene & p-Xylene	**0.84**	**J**	8.0	0.73	ppb v/v			04/19/22 19:37	1
Naphthalene	<1.0		5.0	1.0	ppb v/v			04/19/22 19:37	1
o-Xylene	**0.41**	**J**	2.0	0.38	ppb v/v			04/19/22 19:37	1
Styrene	<0.60		2.0	0.60	ppb v/v			04/19/22 19:37	1
Tetrachloroethene	**38**		2.0	0.29	ppb v/v			04/19/22 19:37	1
Tetrahydrofuran	<1.8		50	1.8	ppb v/v			04/19/22 19:37	1

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Client Sample ID: VP-2
Date Collected: 04/13/22 10:05
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.71**	**J**	2.0	0.57	ppb v/v			04/19/22 19:37	1
trans-1,2-Dichloroethene	<0.33		2.0	0.33	ppb v/v			04/19/22 19:37	1
trans-1,3-Dichloropropene	<0.49		2.0	0.49	ppb v/v			04/19/22 19:37	1
Trichloroethene	**2.2**		2.0	0.33	ppb v/v			04/19/22 19:37	1
Trichlorofluoromethane	**0.42**	**J**	2.0	0.28	ppb v/v			04/19/22 19:37	1
Vinyl acetate	<0.70		50	0.70	ppb v/v			04/19/22 19:37	1
Vinyl bromide	<0.50		2.0	0.50	ppb v/v			04/19/22 19:37	1
Vinyl chloride	<0.65		2.0	0.65	ppb v/v			04/19/22 19:37	1
Xylenes, Total	**1.3**	**J**	4.0	0.38	ppb v/v			04/19/22 19:37	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<3.9		11	3.9	ug/m3			04/19/22 19:37	1
1,1,2,2-Tetrachloroethane	<2.4		14	2.4	ug/m3			04/19/22 19:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.8		15	1.8	ug/m3			04/19/22 19:37	1
1,1,2-Trichloroethane	<2.1		11	2.1	ug/m3			04/19/22 19:37	1
1,1-Dichloroethane	<1.1		8.1	1.1	ug/m3			04/19/22 19:37	1
1,1-Dichloroethene	<1.3		7.9	1.3	ug/m3			04/19/22 19:37	1
1,2,4-Trichlorobenzene	<6.6		150	6.6	ug/m3			04/19/22 19:37	1
1,2,4-Trimethylbenzene	<2.5		9.8	2.5	ug/m3			04/19/22 19:37	1
1,2-Dibromoethane	<2.4		15	2.4	ug/m3			04/19/22 19:37	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<2.1		14	2.1	ug/m3			04/19/22 19:37	1
1,2-Dichlorobenzene	<4.7		12	4.7	ug/m3			04/19/22 19:37	1
1,2-Dichloroethane	<1.0		8.1	1.0	ug/m3			04/19/22 19:37	1
1,2-Dichloropropane	<1.2		9.2	1.2	ug/m3			04/19/22 19:37	1
1,3,5-Trimethylbenzene	<7.9		9.8	7.9	ug/m3			04/19/22 19:37	1
1,3-Dichlorobenzene	**2.4**	**J B**	12	2.4	ug/m3			04/19/22 19:37	1
1,4-Dichlorobenzene	**3.0**	**J B**	12	2.4	ug/m3			04/19/22 19:37	1
1,4-Dioxane	<2.7		180	2.7	ug/m3			04/19/22 19:37	1
2-Butanone (MEK)	<5.3		29	5.3	ug/m3			04/19/22 19:37	1
4-Methyl-2-pentanone (MIBK)	<5.7		20	5.7	ug/m3			04/19/22 19:37	1
Acetone	<33		120	33	ug/m3			04/19/22 19:37	1
Benzene	**1.4**	**J**	6.4	1.1	ug/m3			04/19/22 19:37	1
Benzyl chloride	<4.9		41	4.9	ug/m3			04/19/22 19:37	1
Dichlorobromomethane	<2.9		13	2.9	ug/m3			04/19/22 19:37	1
Bromoform	<6.8		21	6.8	ug/m3			04/19/22 19:37	1
Bromomethane	<2.1		7.8	2.1	ug/m3			04/19/22 19:37	1
Carbon disulfide	<2.7		16	2.7	ug/m3			04/19/22 19:37	1
Carbon tetrachloride	<2.0		13	2.0	ug/m3			04/19/22 19:37	1
Chlorobenzene	<2.6		9.2	2.6	ug/m3			04/19/22 19:37	1
Chloroethane	<2.1		21	2.1	ug/m3			04/19/22 19:37	1
Chloroform	**4.9**	**J**	9.8	1.8	ug/m3			04/19/22 19:37	1
Chloromethane	<3.3		10	3.3	ug/m3			04/19/22 19:37	1
cis-1,2-Dichloroethene	<0.99		7.9	0.99	ug/m3			04/19/22 19:37	1
cis-1,3-Dichloropropene	<2.2		9.1	2.2	ug/m3			04/19/22 19:37	1
Cyclohexane	<3.2		17	3.2	ug/m3			04/19/22 19:37	1
Dibromochloromethane	<2.9		17	2.9	ug/m3			04/19/22 19:37	1
Dichlorodifluoromethane	**3.5**	**J**	25	1.7	ug/m3			04/19/22 19:37	1
Ethylbenzene	**1.7**	**J**	8.7	1.4	ug/m3			04/19/22 19:37	1
Hexachlorobutadiene	<8.5		21	8.5	ug/m3			04/19/22 19:37	1
Hexane	<2.2		28	2.2	ug/m3			04/19/22 19:37	1

Client: Stantec Consulting Corp.
Job ID: 500-215156-1
Project/Site: MEAN STREET PROPERTY - 193708879

Client Sample ID: VP-2
Lab Sample ID: 500-215156-3
Date Collected: 04/13/22 10:05
Matrix: Air
Date Received: 04/15/22 09:15

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	<5.9		120	5.9	ug/m3			04/19/22 19:37	1
Isopropylbenzene	<2.1		39	2.1	ug/m3			04/19/22 19:37	1
Methyl tert-butyl ether	<4.7		36	4.7	ug/m3			04/19/22 19:37	1
Methylene Chloride	<12		35	12	ug/m3			04/19/22 19:37	1
m-Xylene & p-Xylene	**3.6**	**J**	35	3.2	ug/m3			04/19/22 19:37	1
Naphthalene	<5.2		26	5.2	ug/m3			04/19/22 19:37	1
o-Xylene	**1.8**	**J**	8.7	1.7	ug/m3			04/19/22 19:37	1
Styrene	<2.6		8.5	2.6	ug/m3			04/19/22 19:37	1
Tetrachloroethene	**260**		14	2.0	ug/m3			04/19/22 19:37	1
Tetrahydrofuran	<5.3		150	5.3	ug/m3			04/19/22 19:37	1
Toluene	**2.7**	**J**	7.5	2.1	ug/m3			04/19/22 19:37	1
trans-1,2-Dichloroethene	<1.3		7.9	1.3	ug/m3			04/19/22 19:37	1
trans-1,3-Dichloropropene	<2.2		9.1	2.2	ug/m3			04/19/22 19:37	1
Trichloroethene	**12**		11	1.8	ug/m3			04/19/22 19:37	1
Trichlorofluoromethane	**2.4**	**J**	11	1.6	ug/m3			04/19/22 19:37	1
Vinyl acetate	<2.5		180	2.5	ug/m3			04/19/22 19:37	1
Vinyl bromide	<2.2		8.7	2.2	ug/m3			04/19/22 19:37	1
Vinyl chloride	<1.7		5.1	1.7	ug/m3			04/19/22 19:37	1
Xylenes, Total	**5.4**	**J**	17	1.7	ug/m3			04/19/22 19:37	1

Definitions/Glossary

Client: Stantec Consulting Corp. Job ID: 500-215156-1
Project/Site: MEAN STREET PROPERTY - 193708879

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Air - GC/MS VOA

Analysis Batch: 60720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215156-2	VP-1	Total/NA	Air	TO-15	
MB 140-60720/5	Method Blank	Total/NA	Air	TO-15	
LCS 140-60720/1002	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 60762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215156-1	AA-1	Total/NA	Air	TO-15	
500-215156-3	VP-2	Total/NA	Air	TO-15	
MB 140-60762/5	Method Blank	Total/NA	Air	TO-15	
LCS 140-60762/1002	Lab Control Sample	Total/NA	Air	TO-15	

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 140-60720/5
Matrix: Air
Analysis Batch: 60720

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.072		0.20	0.072	ppb v/v			04/18/22 10:40	1
1,1,2,2-Tetrachloroethane	<0.035		0.20	0.035	ppb v/v			04/18/22 10:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.024		0.20	0.024	ppb v/v			04/18/22 10:40	1
1,1,2-Trichloroethane	<0.038		0.20	0.038	ppb v/v			04/18/22 10:40	1
1,1-Dichloroethane	<0.027		0.20	0.027	ppb v/v			04/18/22 10:40	1
1,1-Dichloroethene	<0.032		0.20	0.032	ppb v/v			04/18/22 10:40	1
1,2,4-Trichlorobenzene	<0.089		2.0	0.089	ppb v/v			04/18/22 10:40	1
1,2,4-Trimethylbenzene	<0.050		0.20	0.050	ppb v/v			04/18/22 10:40	1
1,2-Dibromoethane	0.0321	J	0.20	0.031	ppb v/v			04/18/22 10:40	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.030		0.20	0.030	ppb v/v			04/18/22 10:40	1
1,2-Dichlorobenzene	<0.078		0.20	0.078	ppb v/v			04/18/22 10:40	1
1,2-Dichloroethane	<0.025		0.20	0.025	ppb v/v			04/18/22 10:40	1
1,2-Dichloropropane	<0.025		0.20	0.025	ppb v/v			04/18/22 10:40	1
1,3,5-Trimethylbenzene	<0.16		0.20	0.16	ppb v/v			04/18/22 10:40	1
1,3-Dichlorobenzene	<0.040		0.20	0.040	ppb v/v			04/18/22 10:40	1
1,4-Dichlorobenzene	<0.040		0.20	0.040	ppb v/v			04/18/22 10:40	1
1,4-Dioxane	0.103	J	5.0	0.075	ppb v/v			04/18/22 10:40	1
2-Butanone (MEK)	<0.18		1.0	0.18	ppb v/v			04/18/22 10:40	1
4-Methyl-2-pentanone (MIBK)	<0.14		0.50	0.14	ppb v/v			04/18/22 10:40	1
Acetone	<1.4		5.0	1.4	ppb v/v			04/18/22 10:40	1
Benzene	<0.033		0.20	0.033	ppb v/v			04/18/22 10:40	1
Benzyl chloride	<0.095		0.80	0.095	ppb v/v			04/18/22 10:40	1
Dichlorobromomethane	<0.044		0.20	0.044	ppb v/v			04/18/22 10:40	1
Bromoform	<0.066		0.20	0.066	ppb v/v			04/18/22 10:40	1
Bromomethane	<0.055		0.20	0.055	ppb v/v			04/18/22 10:40	1
Carbon disulfide	<0.087		0.50	0.087	ppb v/v			04/18/22 10:40	1
Carbon tetrachloride	<0.032		0.20	0.032	ppb v/v			04/18/22 10:40	1
Chlorobenzene	0.0747	J	0.20	0.056	ppb v/v			04/18/22 10:40	1
Chloroethane	<0.079		0.80	0.079	ppb v/v			04/18/22 10:40	1
Chloroform	<0.036		0.20	0.036	ppb v/v			04/18/22 10:40	1
Chloromethane	<0.16		0.50	0.16	ppb v/v			04/18/22 10:40	1
cis-1,2-Dichloroethene	<0.025		0.20	0.025	ppb v/v			04/18/22 10:40	1
cis-1,3-Dichloropropene	<0.048		0.20	0.048	ppb v/v			04/18/22 10:40	1
Cyclohexane	<0.093		0.50	0.093	ppb v/v			04/18/22 10:40	1
Dibromochloromethane	<0.034		0.20	0.034	ppb v/v			04/18/22 10:40	1
Dichlorodifluoromethane	<0.035		0.50	0.035	ppb v/v			04/18/22 10:40	1
Ethylbenzene	0.0396	J	0.20	0.033	ppb v/v			04/18/22 10:40	1
Hexachlorobutadiene	<0.080		0.20	0.080	ppb v/v			04/18/22 10:40	1
Hexane	<0.063		0.80	0.063	ppb v/v			04/18/22 10:40	1
Isopropyl alcohol	<0.24		5.0	0.24	ppb v/v			04/18/22 10:40	1
Isopropylbenzene	<0.043		0.80	0.043	ppb v/v			04/18/22 10:40	1
Methyl tert-butyl ether	<0.13		1.0	0.13	ppb v/v			04/18/22 10:40	1
Methylene Chloride	<0.34		1.0	0.34	ppb v/v			04/18/22 10:40	1
m-Xylene & p-Xylene	<0.073		0.80	0.073	ppb v/v			04/18/22 10:40	1
Naphthalene	<0.10		0.50	0.10	ppb v/v			04/18/22 10:40	1
o-Xylene	0.0426	J	0.20	0.038	ppb v/v			04/18/22 10:40	1
Styrene	<0.060		0.20	0.060	ppb v/v			04/18/22 10:40	1
Tetrachloroethene	<0.029		0.20	0.029	ppb v/v			04/18/22 10:40	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-60720/5
Matrix: Air
Analysis Batch: 60720

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	<0.18		5.0	0.18	ppb v/v			04/18/22 10:40	1
Toluene	<0.057		0.20	0.057	ppb v/v			04/18/22 10:40	1
trans-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			04/18/22 10:40	1
trans-1,3-Dichloropropene	<0.049		0.20	0.049	ppb v/v			04/18/22 10:40	1
Trichloroethene	<0.033		0.20	0.033	ppb v/v			04/18/22 10:40	1
Trichlorofluoromethane	<0.028		0.20	0.028	ppb v/v			04/18/22 10:40	1
Vinyl acetate	<0.070		5.0	0.070	ppb v/v			04/18/22 10:40	1
Vinyl bromide	<0.050		0.20	0.050	ppb v/v			04/18/22 10:40	1
Vinyl chloride	<0.065		0.20	0.065	ppb v/v			04/18/22 10:40	1
Xylenes, Total	0.0426	J	0.40	0.038	ppb v/v			04/18/22 10:40	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.39		1.1	0.39	ug/m3			04/18/22 10:40	1
1,1,2,2-Tetrachloroethane	<0.24		1.4	0.24	ug/m3			04/18/22 10:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.18		1.5	0.18	ug/m3			04/18/22 10:40	1
1,1,2-Trichloroethane	<0.21		1.1	0.21	ug/m3			04/18/22 10:40	1
1,1-Dichloroethane	<0.11		0.81	0.11	ug/m3			04/18/22 10:40	1
1,1-Dichloroethene	<0.13		0.79	0.13	ug/m3			04/18/22 10:40	1
1,2,4-Trichlorobenzene	<0.66		15	0.66	ug/m3			04/18/22 10:40	1
1,2,4-Trimethylbenzene	<0.25		0.98	0.25	ug/m3			04/18/22 10:40	1
1,2-Dibromoethane	0.247	J	1.5	0.24	ug/m3			04/18/22 10:40	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.21		1.4	0.21	ug/m3			04/18/22 10:40	1
1,2-Dichlorobenzene	<0.47		1.2	0.47	ug/m3			04/18/22 10:40	1
1,2-Dichloroethane	<0.10		0.81	0.10	ug/m3			04/18/22 10:40	1
1,2-Dichloropropane	<0.12		0.92	0.12	ug/m3			04/18/22 10:40	1
1,3,5-Trimethylbenzene	<0.79		0.98	0.79	ug/m3			04/18/22 10:40	1
1,3-Dichlorobenzene	<0.24		1.2	0.24	ug/m3			04/18/22 10:40	1
1,4-Dichlorobenzene	<0.24		1.2	0.24	ug/m3			04/18/22 10:40	1
1,4-Dioxane	0.371	J	18	0.27	ug/m3			04/18/22 10:40	1
2-Butanone (MEK)	<0.53		2.9	0.53	ug/m3			04/18/22 10:40	1
4-Methyl-2-pentanone (MIBK)	<0.57		2.0	0.57	ug/m3			04/18/22 10:40	1
Acetone	<3.3		12	3.3	ug/m3			04/18/22 10:40	1
Benzene	<0.11		0.64	0.11	ug/m3			04/18/22 10:40	1
Benzyl chloride	<0.49		4.1	0.49	ug/m3			04/18/22 10:40	1
Dichlorobromomethane	<0.29		1.3	0.29	ug/m3			04/18/22 10:40	1
Bromoform	<0.68		2.1	0.68	ug/m3			04/18/22 10:40	1
Bromomethane	<0.21		0.78	0.21	ug/m3			04/18/22 10:40	1
Carbon disulfide	<0.27		1.6	0.27	ug/m3			04/18/22 10:40	1
Carbon tetrachloride	<0.20		1.3	0.20	ug/m3			04/18/22 10:40	1
Chlorobenzene	0.344	J	0.92	0.26	ug/m3			04/18/22 10:40	1
Chloroethane	<0.21		2.1	0.21	ug/m3			04/18/22 10:40	1
Chloroform	<0.18		0.98	0.18	ug/m3			04/18/22 10:40	1
Chloromethane	<0.33		1.0	0.33	ug/m3			04/18/22 10:40	1
cis-1,2-Dichloroethene	<0.099		0.79	0.099	ug/m3			04/18/22 10:40	1
cis-1,3-Dichloropropene	<0.22		0.91	0.22	ug/m3			04/18/22 10:40	1
Cyclohexane	<0.32		1.7	0.32	ug/m3			04/18/22 10:40	1
Dibromochloromethane	<0.29		1.7	0.29	ug/m3			04/18/22 10:40	1
Dichlorodifluoromethane	<0.17		2.5	0.17	ug/m3			04/18/22 10:40	1
Ethylbenzene	0.172	J	0.87	0.14	ug/m3			04/18/22 10:40	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-60720/5
Matrix: Air
Analysis Batch: 60720

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<0.85		2.1	0.85	ug/m3			04/18/22 10:40	1
Hexane	<0.22		2.8	0.22	ug/m3			04/18/22 10:40	1
Isopropyl alcohol	<0.59		12	0.59	ug/m3			04/18/22 10:40	1
Isopropylbenzene	<0.21		3.9	0.21	ug/m3			04/18/22 10:40	1
Methyl tert-butyl ether	<0.47		3.6	0.47	ug/m3			04/18/22 10:40	1
Methylene Chloride	<1.2		3.5	1.2	ug/m3			04/18/22 10:40	1
m-Xylene & p-Xylene	<0.32		3.5	0.32	ug/m3			04/18/22 10:40	1
Naphthalene	<0.52		2.6	0.52	ug/m3			04/18/22 10:40	1
o-Xylene	0.185	J	0.87	0.17	ug/m3			04/18/22 10:40	1
Styrene	<0.26		0.85	0.26	ug/m3			04/18/22 10:40	1
Tetrachloroethene	<0.20		1.4	0.20	ug/m3			04/18/22 10:40	1
Tetrahydrofuran	<0.53		15	0.53	ug/m3			04/18/22 10:40	1
Toluene	<0.21		0.75	0.21	ug/m3			04/18/22 10:40	1
trans-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			04/18/22 10:40	1
trans-1,3-Dichloropropene	<0.22		0.91	0.22	ug/m3			04/18/22 10:40	1
Trichloroethene	<0.18		1.1	0.18	ug/m3			04/18/22 10:40	1
Trichlorofluoromethane	<0.16		1.1	0.16	ug/m3			04/18/22 10:40	1
Vinyl acetate	<0.25		18	0.25	ug/m3			04/18/22 10:40	1
Vinyl bromide	<0.22		0.87	0.22	ug/m3			04/18/22 10:40	1
Vinyl chloride	<0.17		0.51	0.17	ug/m3			04/18/22 10:40	1
Xylenes, Total	0.185	J	1.7	0.17	ug/m3			04/18/22 10:40	1

Lab Sample ID: LCS 140-60720/1002
Matrix: Air
Analysis Batch: 60720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2.00	1.95		ppb v/v		97	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.26		ppb v/v		113	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.05		ppb v/v		103	70 - 130
1,1,2-Trichloroethane	2.00	2.06		ppb v/v		103	70 - 130
1,1-Dichloroethane	2.00	2.16		ppb v/v		108	70 - 130
1,1-Dichloroethene	2.00	2.04		ppb v/v		102	70 - 130
1,2,4-Trichlorobenzene	2.00	1.63		ppb v/v		82	60 - 140
1,2,4-Trimethylbenzene	2.00	2.00		ppb v/v		100	70 - 130
1,2-Dibromoethane	2.00	1.92		ppb v/v		96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.23		ppb v/v		112	60 - 140
1,2-Dichlorobenzene	2.00	2.15		ppb v/v		107	70 - 130
1,2-Dichloroethane	2.00	2.25		ppb v/v		113	70 - 130
1,2-Dichloropropane	2.00	1.91		ppb v/v		95	70 - 130
1,3,5-Trimethylbenzene	2.00	1.97		ppb v/v		98	70 - 130
1,3-Dichlorobenzene	2.00	2.01		ppb v/v		100	70 - 130
1,4-Dichlorobenzene	2.00	1.99		ppb v/v		100	70 - 130
1,4-Dioxane	2.00	1.77	J	ppb v/v		89	60 - 140
2-Butanone (MEK)	2.00	1.82		ppb v/v		91	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	2.16		ppb v/v		108	60 - 140
Acetone	6.00	7.07		ppb v/v		118	60 - 140

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-60720/1002
Matrix: Air
Analysis Batch: 60720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2.00	2.00		ppb v/v		100	70 - 130
Benzyl chloride	2.00	2.31		ppb v/v		115	70 - 130
Dichlorobromomethane	2.00	2.01		ppb v/v		101	70 - 130
Bromoform	2.00	1.78		ppb v/v		89	60 - 140
Bromomethane	2.00	2.00		ppb v/v		100	70 - 130
Carbon disulfide	2.00	2.16		ppb v/v		108	70 - 130
Carbon tetrachloride	2.00	1.88		ppb v/v		94	70 - 130
Chlorobenzene	2.00	1.88		ppb v/v		94	70 - 130
Chloroethane	2.00	1.89		ppb v/v		95	70 - 130
Chloroform	2.00	2.05		ppb v/v		102	70 - 130
Chloromethane	2.00	2.70		ppb v/v		135	60 - 140
cis-1,2-Dichloroethene	2.00	1.92		ppb v/v		96	70 - 130
cis-1,3-Dichloropropene	2.00	1.77		ppb v/v		89	70 - 130
Cyclohexane	2.00	1.68		ppb v/v		84	70 - 130
Dibromochloromethane	2.00	2.01		ppb v/v		101	70 - 130
Dichlorodifluoromethane	2.00	2.56		ppb v/v		128	60 - 140
Ethylbenzene	2.00	1.88		ppb v/v		94	70 - 130
Hexachlorobutadiene	2.00	1.33		ppb v/v		66	60 - 140
Hexane	2.00	2.06		ppb v/v		103	70 - 130
Isopropyl alcohol	6.00	7.92		ppb v/v		132	60 - 140
Isopropylbenzene	2.00	2.04		ppb v/v		102	70 - 130
Methyl tert-butyl ether	2.00	2.02		ppb v/v		101	60 - 140
Methylene Chloride	2.00	2.06		ppb v/v		103	70 - 130
m-Xylene & p-Xylene	4.00	3.88		ppb v/v		97	70 - 130
Naphthalene	2.00	1.87		ppb v/v		93	60 - 140
o-Xylene	2.00	1.94		ppb v/v		97	70 - 130
Styrene	2.00	2.03		ppb v/v		101	70 - 130
Tetrachloroethene	2.00	1.86		ppb v/v		93	70 - 130
Tetrahydrofuran	2.00	2.19		ppb v/v		110	60 - 140
Toluene	2.00	1.88		ppb v/v		94	70 - 130
trans-1,2-Dichloroethene	2.00	2.01		ppb v/v		101	70 - 130
trans-1,3-Dichloropropene	2.00	1.89		ppb v/v		95	70 - 130
Trichloroethene	2.00	1.85		ppb v/v		92	70 - 130
Trichlorofluoromethane	2.00	2.02		ppb v/v		101	60 - 140
Vinyl acetate	2.00	2.10		ppb v/v		105	60 - 140
Vinyl bromide	2.00	2.12		ppb v/v		106	60 - 140
Vinyl chloride	2.00	2.37		ppb v/v		119	70 - 130
Xylenes, Total	6.00	5.82		ppb v/v		97	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	11	10.6		ug/m3		97	70 - 130
1,1,2,2-Tetrachloroethane	14	15.5		ug/m3		113	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	15	15.7		ug/m3		103	70 - 130
1,1,2-Trichloroethane	11	11.2		ug/m3		103	70 - 130
1,1-Dichloroethane	8.1	8.72		ug/m3		108	70 - 130
1,1-Dichloroethene	7.9	8.08		ug/m3		102	70 - 130
1,2,4-Trichlorobenzene	15	12.1		ug/m3		82	60 - 140
1,2,4-Trimethylbenzene	9.8	9.85		ug/m3		100	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-60720/1002
Matrix: Air
Analysis Batch: 60720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	15	14.7		ug/m3		96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14	15.6		ug/m3		112	60 - 140
1,2-Dichlorobenzene	12	12.9		ug/m3		107	70 - 130
1,2-Dichloroethane	8.1	9.12		ug/m3		113	70 - 130
1,2-Dichloropropane	9.2	8.82		ug/m3		95	70 - 130
1,3,5-Trimethylbenzene	9.8	9.66		ug/m3		98	70 - 130
1,3-Dichlorobenzene	12	12.1		ug/m3		100	70 - 130
1,4-Dichlorobenzene	12	12.0		ug/m3		100	70 - 130
1,4-Dioxane	7.2	6.39	J	ug/m3		89	60 - 140
2-Butanone (MEK)	5.9	5.36		ug/m3		91	60 - 140
4-Methyl-2-pentanone (MIBK)	8.2	8.84		ug/m3		108	60 - 140
Acetone	14	16.8		ug/m3		118	60 - 140
Benzene	6.4	6.39		ug/m3		100	70 - 130
Benzyl chloride	10	12.0		ug/m3		115	70 - 130
Dichlorobromomethane	13	13.5		ug/m3		101	70 - 130
Bromoform	21	18.4		ug/m3		89	60 - 140
Bromomethane	7.8	7.76		ug/m3		100	70 - 130
Carbon disulfide	6.2	6.72		ug/m3		108	70 - 130
Carbon tetrachloride	13	11.8		ug/m3		94	70 - 130
Chlorobenzene	9.2	8.66		ug/m3		94	70 - 130
Chloroethane	5.3	5.00		ug/m3		95	70 - 130
Chloroform	9.8	10.0		ug/m3		102	70 - 130
Chloromethane	4.1	5.57		ug/m3		135	60 - 140
cis-1,2-Dichloroethene	7.9	7.63		ug/m3		96	70 - 130
cis-1,3-Dichloropropene	9.1	8.04		ug/m3		89	70 - 130
Cyclohexane	6.9	5.80		ug/m3		84	70 - 130
Dibromochloromethane	17	17.1		ug/m3		101	70 - 130
Dichlorodifluoromethane	9.9	12.7		ug/m3		128	60 - 140
Ethylbenzene	8.7	8.17		ug/m3		94	70 - 130
Hexachlorobutadiene	21	14.2		ug/m3		66	60 - 140
Hexane	7.0	7.26		ug/m3		103	70 - 130
Isopropyl alcohol	15	19.5		ug/m3		132	60 - 140
Isopropylbenzene	9.8	10.0		ug/m3		102	70 - 130
Methyl tert-butyl ether	7.2	7.29		ug/m3		101	60 - 140
Methylene Chloride	6.9	7.17		ug/m3		103	70 - 130
m-Xylene & p-Xylene	17	16.9		ug/m3		97	70 - 130
Naphthalene	10	9.79		ug/m3		93	60 - 140
o-Xylene	8.7	8.41		ug/m3		97	70 - 130
Styrene	8.5	8.64		ug/m3		101	70 - 130
Tetrachloroethene	14	12.6		ug/m3		93	70 - 130
Tetrahydrofuran	5.9	6.46		ug/m3		110	60 - 140
Toluene	7.5	7.08		ug/m3		94	70 - 130
trans-1,2-Dichloroethene	7.9	7.98		ug/m3		101	70 - 130
trans-1,3-Dichloropropene	9.1	8.58		ug/m3		95	70 - 130
Trichloroethene	11	9.93		ug/m3		92	70 - 130
Trichlorofluoromethane	11	11.4		ug/m3		101	60 - 140
Vinyl acetate	7.0	7.41		ug/m3		105	60 - 140
Vinyl bromide	8.7	9.26		ug/m3		106	60 - 140

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-60720/1002
Matrix: Air
Analysis Batch: 60720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	5.1	6.06		ug/m3		119	70 - 130
Xylenes, Total	26	25.3		ug/m3		97	70 - 130

Lab Sample ID: MB 140-60762/5
Matrix: Air
Analysis Batch: 60762

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.072		0.20	0.072	ppb v/v			04/19/22 11:13	1
1,1,2,2-Tetrachloroethane	<0.035		0.20	0.035	ppb v/v			04/19/22 11:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.024		0.20	0.024	ppb v/v			04/19/22 11:13	1
1,1,2-Trichloroethane	<0.038		0.20	0.038	ppb v/v			04/19/22 11:13	1
1,1-Dichloroethane	<0.027		0.20	0.027	ppb v/v			04/19/22 11:13	1
1,1-Dichloroethene	<0.032		0.20	0.032	ppb v/v			04/19/22 11:13	1
1,2,4-Trichlorobenzene	<0.089		2.0	0.089	ppb v/v			04/19/22 11:13	1
1,2,4-Trimethylbenzene	<0.050		0.20	0.050	ppb v/v			04/19/22 11:13	1
1,2-Dibromoethane	<0.031		0.20	0.031	ppb v/v			04/19/22 11:13	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.030		0.20	0.030	ppb v/v			04/19/22 11:13	1
1,2-Dichlorobenzene	<0.078		0.20	0.078	ppb v/v			04/19/22 11:13	1
1,2-Dichloroethane	<0.025		0.20	0.025	ppb v/v			04/19/22 11:13	1
1,2-Dichloropropane	<0.025		0.20	0.025	ppb v/v			04/19/22 11:13	1
1,3,5-Trimethylbenzene	<0.16		0.20	0.16	ppb v/v			04/19/22 11:13	1
1,3-Dichlorobenzene	0.0463	J	0.20	0.040	ppb v/v			04/19/22 11:13	1
1,4-Dichlorobenzene	0.0444	J	0.20	0.040	ppb v/v			04/19/22 11:13	1
1,4-Dioxane	<0.075		5.0	0.075	ppb v/v			04/19/22 11:13	1
2-Butanone (MEK)	<0.18		1.0	0.18	ppb v/v			04/19/22 11:13	1
4-Methyl-2-pentanone (MIBK)	<0.14		0.50	0.14	ppb v/v			04/19/22 11:13	1
Acetone	<1.4		5.0	1.4	ppb v/v			04/19/22 11:13	1
Benzene	<0.033		0.20	0.033	ppb v/v			04/19/22 11:13	1
Benzyl chloride	<0.095		0.80	0.095	ppb v/v			04/19/22 11:13	1
Dichlorobromomethane	<0.044		0.20	0.044	ppb v/v			04/19/22 11:13	1
Bromoform	<0.066		0.20	0.066	ppb v/v			04/19/22 11:13	1
Bromomethane	<0.055		0.20	0.055	ppb v/v			04/19/22 11:13	1
Carbon disulfide	<0.087		0.50	0.087	ppb v/v			04/19/22 11:13	1
Carbon tetrachloride	<0.032		0.20	0.032	ppb v/v			04/19/22 11:13	1
Chlorobenzene	<0.056		0.20	0.056	ppb v/v			04/19/22 11:13	1
Chloroethane	<0.079		0.80	0.079	ppb v/v			04/19/22 11:13	1
Chloroform	<0.036		0.20	0.036	ppb v/v			04/19/22 11:13	1
Chloromethane	<0.16		0.50	0.16	ppb v/v			04/19/22 11:13	1
cis-1,2-Dichloroethene	<0.025		0.20	0.025	ppb v/v			04/19/22 11:13	1
cis-1,3-Dichloropropene	<0.048		0.20	0.048	ppb v/v			04/19/22 11:13	1
Cyclohexane	<0.093		0.50	0.093	ppb v/v			04/19/22 11:13	1
Dibromochloromethane	<0.034		0.20	0.034	ppb v/v			04/19/22 11:13	1
Dichlorodifluoromethane	<0.035		0.50	0.035	ppb v/v			04/19/22 11:13	1
Ethylbenzene	<0.033		0.20	0.033	ppb v/v			04/19/22 11:13	1
Hexachlorobutadiene	<0.080		0.20	0.080	ppb v/v			04/19/22 11:13	1
Hexane	<0.063		0.80	0.063	ppb v/v			04/19/22 11:13	1
Isopropyl alcohol	<0.24		5.0	0.24	ppb v/v			04/19/22 11:13	1
Isopropylbenzene	<0.043		0.80	0.043	ppb v/v			04/19/22 11:13	1

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-60762/5
Matrix: Air
Analysis Batch: 60762

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<0.13		1.0	0.13	ppb v/v			04/19/22 11:13	1
Methylene Chloride	<0.34		1.0	0.34	ppb v/v			04/19/22 11:13	1
m-Xylene & p-Xylene	<0.073		0.80	0.073	ppb v/v			04/19/22 11:13	1
Naphthalene	<0.10		0.50	0.10	ppb v/v			04/19/22 11:13	1
o-Xylene	<0.038		0.20	0.038	ppb v/v			04/19/22 11:13	1
Styrene	<0.060		0.20	0.060	ppb v/v			04/19/22 11:13	1
Tetrachloroethene	<0.029		0.20	0.029	ppb v/v			04/19/22 11:13	1
Tetrahydrofuran	<0.18		5.0	0.18	ppb v/v			04/19/22 11:13	1
Toluene	<0.057		0.20	0.057	ppb v/v			04/19/22 11:13	1
trans-1,2-Dichloroethene	<0.033		0.20	0.033	ppb v/v			04/19/22 11:13	1
trans-1,3-Dichloropropene	<0.049		0.20	0.049	ppb v/v			04/19/22 11:13	1
Trichloroethene	<0.033		0.20	0.033	ppb v/v			04/19/22 11:13	1
Trichlorofluoromethane	<0.028		0.20	0.028	ppb v/v			04/19/22 11:13	1
Vinyl acetate	<0.070		5.0	0.070	ppb v/v			04/19/22 11:13	1
Vinyl bromide	<0.050		0.20	0.050	ppb v/v			04/19/22 11:13	1
Vinyl chloride	<0.065		0.20	0.065	ppb v/v			04/19/22 11:13	1
Xylenes, Total	<0.038		0.40	0.038	ppb v/v			04/19/22 11:13	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.39		1.1	0.39	ug/m3			04/19/22 11:13	1
1,1,2,2-Tetrachloroethane	<0.24		1.4	0.24	ug/m3			04/19/22 11:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.18		1.5	0.18	ug/m3			04/19/22 11:13	1
1,1,2-Trichloroethane	<0.21		1.1	0.21	ug/m3			04/19/22 11:13	1
1,1-Dichloroethane	<0.11		0.81	0.11	ug/m3			04/19/22 11:13	1
1,1-Dichloroethene	<0.13		0.79	0.13	ug/m3			04/19/22 11:13	1
1,2,4-Trichlorobenzene	<0.66		15	0.66	ug/m3			04/19/22 11:13	1
1,2,4-Trimethylbenzene	<0.25		0.98	0.25	ug/m3			04/19/22 11:13	1
1,2-Dibromoethane	<0.24		1.5	0.24	ug/m3			04/19/22 11:13	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.21		1.4	0.21	ug/m3			04/19/22 11:13	1
1,2-Dichlorobenzene	<0.47		1.2	0.47	ug/m3			04/19/22 11:13	1
1,2-Dichloroethane	<0.10		0.81	0.10	ug/m3			04/19/22 11:13	1
1,2-Dichloropropane	<0.12		0.92	0.12	ug/m3			04/19/22 11:13	1
1,3,5-Trimethylbenzene	<0.79		0.98	0.79	ug/m3			04/19/22 11:13	1
1,3-Dichlorobenzene	0.278	J	1.2	0.24	ug/m3			04/19/22 11:13	1
1,4-Dichlorobenzene	0.267	J	1.2	0.24	ug/m3			04/19/22 11:13	1
1,4-Dioxane	<0.27		18	0.27	ug/m3			04/19/22 11:13	1
2-Butanone (MEK)	<0.53		2.9	0.53	ug/m3			04/19/22 11:13	1
4-Methyl-2-pentanone (MIBK)	<0.57		2.0	0.57	ug/m3			04/19/22 11:13	1
Acetone	<3.3		12	3.3	ug/m3			04/19/22 11:13	1
Benzene	<0.11		0.64	0.11	ug/m3			04/19/22 11:13	1
Benzyl chloride	<0.49		4.1	0.49	ug/m3			04/19/22 11:13	1
Dichlorobromomethane	<0.29		1.3	0.29	ug/m3			04/19/22 11:13	1
Bromoform	<0.68		2.1	0.68	ug/m3			04/19/22 11:13	1
Bromomethane	<0.21		0.78	0.21	ug/m3			04/19/22 11:13	1
Carbon disulfide	<0.27		1.6	0.27	ug/m3			04/19/22 11:13	1
Carbon tetrachloride	<0.20		1.3	0.20	ug/m3			04/19/22 11:13	1
Chlorobenzene	<0.26		0.92	0.26	ug/m3			04/19/22 11:13	1
Chloroethane	<0.21		2.1	0.21	ug/m3			04/19/22 11:13	1
Chloroform	<0.18		0.98	0.18	ug/m3			04/19/22 11:13	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 140-60762/5
Matrix: Air
Analysis Batch: 60762

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<0.33		1.0	0.33	ug/m3			04/19/22 11:13	1
cis-1,2-Dichloroethene	<0.099		0.79	0.099	ug/m3			04/19/22 11:13	1
cis-1,3-Dichloropropene	<0.22		0.91	0.22	ug/m3			04/19/22 11:13	1
Cyclohexane	<0.32		1.7	0.32	ug/m3			04/19/22 11:13	1
Dibromochloromethane	<0.29		1.7	0.29	ug/m3			04/19/22 11:13	1
Dichlorodifluoromethane	<0.17		2.5	0.17	ug/m3			04/19/22 11:13	1
Ethylbenzene	<0.14		0.87	0.14	ug/m3			04/19/22 11:13	1
Hexachlorobutadiene	<0.85		2.1	0.85	ug/m3			04/19/22 11:13	1
Hexane	<0.22		2.8	0.22	ug/m3			04/19/22 11:13	1
Isopropyl alcohol	<0.59		12	0.59	ug/m3			04/19/22 11:13	1
Isopropylbenzene	<0.21		3.9	0.21	ug/m3			04/19/22 11:13	1
Methyl tert-butyl ether	<0.47		3.6	0.47	ug/m3			04/19/22 11:13	1
Methylene Chloride	<1.2		3.5	1.2	ug/m3			04/19/22 11:13	1
m-Xylene & p-Xylene	<0.32		3.5	0.32	ug/m3			04/19/22 11:13	1
Naphthalene	<0.52		2.6	0.52	ug/m3			04/19/22 11:13	1
o-Xylene	<0.17		0.87	0.17	ug/m3			04/19/22 11:13	1
Styrene	<0.26		0.85	0.26	ug/m3			04/19/22 11:13	1
Tetrachloroethene	<0.20		1.4	0.20	ug/m3			04/19/22 11:13	1
Tetrahydrofuran	<0.53		15	0.53	ug/m3			04/19/22 11:13	1
Toluene	<0.21		0.75	0.21	ug/m3			04/19/22 11:13	1
trans-1,2-Dichloroethene	<0.13		0.79	0.13	ug/m3			04/19/22 11:13	1
trans-1,3-Dichloropropene	<0.22		0.91	0.22	ug/m3			04/19/22 11:13	1
Trichloroethene	<0.18		1.1	0.18	ug/m3			04/19/22 11:13	1
Trichlorofluoromethane	<0.16		1.1	0.16	ug/m3			04/19/22 11:13	1
Vinyl acetate	<0.25		18	0.25	ug/m3			04/19/22 11:13	1
Vinyl bromide	<0.22		0.87	0.22	ug/m3			04/19/22 11:13	1
Vinyl chloride	<0.17		0.51	0.17	ug/m3			04/19/22 11:13	1
Xylenes, Total	<0.17		1.7	0.17	ug/m3			04/19/22 11:13	1

Lab Sample ID: LCS 140-60762/1002
Matrix: Air
Analysis Batch: 60762

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.60	1.42		ppb v/v		89	70 - 130
1,1,2,2-Tetrachloroethane	1.60	1.56		ppb v/v		98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	1.60	1.59		ppb v/v		99	70 - 130
1,1,2-Trichloroethane	1.60	1.55		ppb v/v		97	70 - 130
1,1-Dichloroethane	1.60	1.41		ppb v/v		88	70 - 130
1,1-Dichloroethene	1.60	1.48		ppb v/v		92	70 - 130
1,2,4-Trichlorobenzene	1.60	1.24		ppb v/v		77	60 - 140
1,2,4-Trimethylbenzene	1.60	1.59		ppb v/v		99	70 - 130
1,2-Dibromoethane	1.60	1.54		ppb v/v		96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	1.60	1.93		ppb v/v		121	60 - 140
1,2-Dichlorobenzene	1.60	1.59		ppb v/v		99	70 - 130
1,2-Dichloroethane	1.60	1.38		ppb v/v		86	70 - 130
1,2-Dichloropropane	1.60	1.48		ppb v/v		92	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-60762/1002
Matrix: Air
Analysis Batch: 60762

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	1.60	1.80		ppb v/v		113	70 - 130
1,3-Dichlorobenzene	1.60	1.57		ppb v/v		98	70 - 130
1,4-Dichlorobenzene	1.60	1.52		ppb v/v		95	70 - 130
1,4-Dioxane	1.60	1.37	J	ppb v/v		86	60 - 140
2-Butanone (MEK)	1.60	1.40		ppb v/v		88	60 - 140
4-Methyl-2-pentanone (MIBK)	1.60	1.32		ppb v/v		83	60 - 140
Acetone	1.60	1.80	J	ppb v/v		112	60 - 140
Benzene	1.60	1.53		ppb v/v		96	70 - 130
Benzyl chloride	1.60	1.50		ppb v/v		94	70 - 130
Dichlorobromomethane	1.60	1.52		ppb v/v		95	70 - 130
Bromoform	1.60	1.67		ppb v/v		104	60 - 140
Bromomethane	1.60	1.99		ppb v/v		124	70 - 130
Carbon disulfide	1.60	1.46		ppb v/v		91	70 - 130
Carbon tetrachloride	1.60	1.59		ppb v/v		99	70 - 130
Chlorobenzene	1.60	1.60		ppb v/v		100	70 - 130
Chloroethane	1.60	1.92		ppb v/v		120	70 - 130
Chloroform	1.60	1.44		ppb v/v		90	70 - 130
Chloromethane	1.60	1.93		ppb v/v		121	60 - 140
cis-1,2-Dichloroethene	1.60	1.49		ppb v/v		93	70 - 130
cis-1,3-Dichloropropene	1.60	1.50		ppb v/v		94	70 - 130
Cyclohexane	1.60	1.42		ppb v/v		89	70 - 130
Dibromochloromethane	1.60	1.68		ppb v/v		105	70 - 130
Dichlorodifluoromethane	1.60	1.63		ppb v/v		102	60 - 140
Ethylbenzene	1.60	1.43		ppb v/v		90	70 - 130
Hexachlorobutadiene	1.60	1.44		ppb v/v		90	60 - 140
Hexane	1.60	1.35		ppb v/v		84	70 - 130
Isopropyl alcohol	1.60	1.60	J	ppb v/v		100	60 - 140
Isopropylbenzene	1.60	1.59		ppb v/v		100	70 - 130
Methyl tert-butyl ether	1.60	1.40		ppb v/v		87	60 - 140
Methylene Chloride	1.60	1.43		ppb v/v		89	70 - 130
m-Xylene & p-Xylene	3.20	2.97		ppb v/v		93	70 - 130
Naphthalene	1.60	1.28		ppb v/v		80	60 - 140
o-Xylene	1.60	1.51		ppb v/v		94	70 - 130
Styrene	1.60	1.60		ppb v/v		100	70 - 130
Tetrachloroethene	1.60	1.54		ppb v/v		96	70 - 130
Tetrahydrofuran	1.60	1.32	J	ppb v/v		82	60 - 140
Toluene	1.60	1.48		ppb v/v		93	70 - 130
trans-1,2-Dichloroethene	1.60	1.47		ppb v/v		92	70 - 130
trans-1,3-Dichloropropene	1.60	1.45		ppb v/v		91	70 - 130
Trichloroethene	1.60	1.66		ppb v/v		104	70 - 130
Trichlorofluoromethane	1.60	1.51		ppb v/v		94	60 - 140
Vinyl acetate	1.60	1.12	J	ppb v/v		70	60 - 140
Vinyl bromide	1.60	1.72		ppb v/v		107	60 - 140
Vinyl chloride	1.60	2.03		ppb v/v		127	70 - 130
Xylenes, Total	4.80	4.48		ppb v/v		93	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	8.7	7.77		ug/m3		89	70 - 130
1,1,2,2-Tetrachloroethane	11	10.7		ug/m3		98	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-60762/1002
Matrix: Air
Analysis Batch: 60762

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	12	12.2		ug/m3		99	70 - 130
1,1,2-Trichloroethane	8.7	8.45		ug/m3		97	70 - 130
1,1-Dichloroethane	6.5	5.72		ug/m3		88	70 - 130
1,1-Dichloroethene	6.3	5.86		ug/m3		92	70 - 130
1,2,4-Trichlorobenzene	12	9.18		ug/m3		77	60 - 140
1,2,4-Trimethylbenzene	7.9	7.82		ug/m3		99	70 - 130
1,2-Dibromoethane	12	11.8		ug/m3		96	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	11	13.5		ug/m3		121	60 - 140
1,2-Dichlorobenzene	9.6	9.53		ug/m3		99	70 - 130
1,2-Dichloroethane	6.5	5.57		ug/m3		86	70 - 130
1,2-Dichloropropane	7.4	6.84		ug/m3		92	70 - 130
1,3,5-Trimethylbenzene	7.9	8.85		ug/m3		113	70 - 130
1,3-Dichlorobenzene	9.6	9.41		ug/m3		98	70 - 130
1,4-Dichlorobenzene	9.6	9.16		ug/m3		95	70 - 130
1,4-Dioxane	5.8	4.94	J	ug/m3		86	60 - 140
2-Butanone (MEK)	4.7	4.14		ug/m3		88	60 - 140
4-Methyl-2-pentanone (MIBK)	6.6	5.43		ug/m3		83	60 - 140
Acetone	3.8	4.27	J	ug/m3		112	60 - 140
Benzene	5.1	4.88		ug/m3		96	70 - 130
Benzyl chloride	8.3	7.77		ug/m3		94	70 - 130
Dichlorobromomethane	11	10.2		ug/m3		95	70 - 130
Bromoform	17	17.3		ug/m3		104	60 - 140
Bromomethane	6.2	7.72		ug/m3		124	70 - 130
Carbon disulfide	5.0	4.55		ug/m3		91	70 - 130
Carbon tetrachloride	10	9.97		ug/m3		99	70 - 130
Chlorobenzene	7.4	7.37		ug/m3		100	70 - 130
Chloroethane	4.2	5.07		ug/m3		120	70 - 130
Chloroform	7.8	7.05		ug/m3		90	70 - 130
Chloromethane	3.3	3.99		ug/m3		121	60 - 140
cis-1,2-Dichloroethene	6.3	5.91		ug/m3		93	70 - 130
cis-1,3-Dichloropropene	7.3	6.81		ug/m3		94	70 - 130
Cyclohexane	5.5	4.89		ug/m3		89	70 - 130
Dibromochloromethane	14	14.3		ug/m3		105	70 - 130
Dichlorodifluoromethane	7.9	8.05		ug/m3		102	60 - 140
Ethylbenzene	6.9	6.22		ug/m3		90	70 - 130
Hexachlorobutadiene	17	15.4		ug/m3		90	60 - 140
Hexane	5.6	4.75		ug/m3		84	70 - 130
Isopropyl alcohol	3.9	3.93	J	ug/m3		100	60 - 140
Isopropylbenzene	7.9	7.83		ug/m3		100	70 - 130
Methyl tert-butyl ether	5.8	5.03		ug/m3		87	60 - 140
Methylene Chloride	5.6	4.96		ug/m3		89	70 - 130
m-Xylene & p-Xylene	14	12.9		ug/m3		93	70 - 130
Naphthalene	8.4	6.72		ug/m3		80	60 - 140
o-Xylene	6.9	6.56		ug/m3		94	70 - 130
Styrene	6.8	6.82		ug/m3		100	70 - 130
Tetrachloroethene	11	10.5		ug/m3		96	70 - 130
Tetrahydrofuran	4.7	3.88	J	ug/m3		82	60 - 140

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 140-60762/1002
Matrix: Air
Analysis Batch: 60762

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	6.0	5.59		ug/m3		93	70 - 130
trans-1,2-Dichloroethene	6.3	5.84		ug/m3		92	70 - 130
trans-1,3-Dichloropropene	7.3	6.58		ug/m3		91	70 - 130
Trichloroethene	8.6	8.93		ug/m3		104	70 - 130
Trichlorofluoromethane	9.0	8.46		ug/m3		94	60 - 140
Vinyl acetate	5.6	3.93	J	ug/m3		70	60 - 140
Vinyl bromide	7.0	7.51		ug/m3		107	60 - 140
Vinyl chloride	4.1	5.19		ug/m3		127	70 - 130
Xylenes, Total	21	19.5		ug/m3		93	70 - 130

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job ID: 500-215156-1

Client Sample ID: AA-1
Date Collected: 04/13/22 16:42
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	60762	04/19/22 18:51	HMT	TAL KNX

Client Sample ID: VP-1
Date Collected: 04/13/22 10:12
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		36.27	60720	04/19/22 00:29	S1K	TAL KNX

Client Sample ID: VP-2
Date Collected: 04/13/22 10:05
Date Received: 04/15/22 09:15

Lab Sample ID: 500-215156-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	60762	04/19/22 19:37	HMT	TAL KNX

Laboratory References:

TAL KNX = Eurofins Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: Stantec Consulting Corp. Job ID: 500-215156-1
Project/Site: MEAN STREET PROPERTY - 193708879

Laboratory: Eurofins Knoxville

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998044300	08-31-22

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike

Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins | Environment Testing TestAmerica

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	Client Project Manager: Rick Binder	Samples Collected By: GNG	COC No:
Company Name: Stantec	Phone: 608 628 6278		1 of 1 COCs
Address: 12075 Corporate Pkwy, Ste 200	Email: erin.gross@stantec.com		TALS Project #:
City/State/Zip Mequon, WI	Site Contact: Erin Gross		For Lab Use Only:
Phone: 608 628 6278	Tel/Fax 608 628 6278		Walk-in Client:
FAX:	Analysis Turnaround Time		Lab Sampling:
Project Name: Mesa Street Property	Standard (Specific): Standard		Job / SDG No.:
Site/Location:	Rush (Specifiy):		(See below for Add'l Items)
P O # 1937088879			

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
AA-1	4/13/22	9:00	4/13/22	16:42	27	3	11239	34000201	X														
VP-1	4/13/22	9:08	4/13/22	10:12	28	5	10017	34000105	X														
VP-2	4/13/22	9:16	4/13/22	10:05	30	3	7470	34002027	X														

Temperature (Fahrenheit)			
Start	Interior	Ambient	63
Stop		63	

Pressure (inches of Hg)			
Start	Interior	Ambient	29.47
Stop		29.47	

No ambient
Custody seal intact
1 box to 04.15.22
Fed ex # 8166 9239 7250
3 cans 3 (w) flows

Special Instructions/QC Requirements & Comments:

Samples Shipped by: Erin Gross	Date / Time: 4/14/22, 15:00	Samples Received by: D. Bo 9:15 04.15.22
Samples Relinquished by:	Date / Time:	Received by:
Relinquished by:	Date / Time:	Received by:
Lab Use Only: Shipper Name:	Opened by:	Condition:

500-215156 Chain of Custody

ed 5/4/2020

4/22/2022

Loc: 500

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number: 215156

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Are the shipping containers intact?	✓			☐ Containers, Broken	
2. Were ambient air containers received intact?			✓	☑ Checked in lab	
3. The coolers/containers custody seal if present, is it intact?	✓			☐ Yes ☐ NA	
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			✓	☐ Cooler Out of Temp, Client Contacted, Proceed/Cancel ☐ Cooler Out of Temp, Same Day Receipt	
5. Were all of the sample containers received intact?	✓			☐ Containers, Broken	
6. Were samples received in appropriate containers?	✓			☐ Containers, Improper; Client Contacted; Proceed/Cancel	
7. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ COC & Samples Do Not Match ☐ COC Incorrect/Incomplete ☐ COC Not Received	
8. Were all of the samples listed on the COC received?	✓			☐ Sample Received, Not on COC ☐ Sample on COC, Not Received	
9. Is the date/time of sample collection noted?	✓			☐ COC; No Date/Time; Client Contacted	
10. Was the sampler identified on the COC?	✓			☐ Sampler Not Listed on COC	
11. Is the client and project name/# identified?	✓			☐ COC Incorrect/Incomplete	
12. Are tests/parameters listed for each sample?	✓			☐ COC No tests on COC	
13. Is the matrix of the samples noted?	✓			☐ COC Incorrect/Incomplete	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ COC Incorrect/Incomplete	
15. Were samples received within holding time?	✓			☐ Holding Time - Receipt	
16. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ pH Adjusted, pH Included (See box 16A) ☐ Incorrect Preservative	
17. Were VOA samples received without headspace?			✓	☐ Headspace (VOA only)	
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:_____			✓	☐ Residual Chlorine	
19. For 1613B water samples is pH<9?			✓	☐ If no, notify lab to adjust	
20. For rad samples was sample activity info. Provided?			✓	☐ Project missing info	

Labeling Verified by: **Date:**

pH test strip lot number:

	Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:		
Lot Number:		
Exp Date:		
Analyst:		
Date:		
Time:		

Project #: 50006565 PM Instructions: _____

Sample Receiving Associate: _____ Date: 04.15.22

QA026R32.doc, 062719

Eurofins Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date/Time: 4/15/22 1039

Analyst	Sample ID	Pressure @ Receipt (-in Hg or +psig)/initial pressurisation (if applicable)	Asset #	Cleaning Job	Cert Type	Size (L)	Comments
BRS	500-215156-a-1	-4.1	34000201	140-26183-a-14	B	6	
BRS	500-215156-a-2	-4.4	34000105	140-26183-a-10	B	6	
BRS	500-215156-a-3	-2.7	34002027	140-26183-a-5	B	6	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-26183-1

SDG No.:

Client Sample ID: 10032 | Lab Sample ID: 140-26183-1

Matrix: Air | Lab File ID: A26L26183.D

Analysis Method: TO 15 LL | Date Collected: 01/24/2022 09:25

Sample wt/vol: 500(mL) | Date Analyzed: 01/26/2022 22:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 58177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.080	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND	*-	0.080	
107-05-1	3-Chloroprene	ND		0.080	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	

FORM I TO 15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-26183-1

SDG No.:

Client Sample ID: 10032 | Lab Sample ID: 140-26183-1

Matrix: Air | Lab File ID: A26L26183.D

Analysis Method: TO 15 LL | Date Collected: 01/24/2022 09:25

Sample wt/vol: 500(mL) | Date Analyzed: 01/26/2022 22:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 58177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND	*+	0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Knoxville | Job No.: 140-26183-1

SDG No.:

Client Sample ID: 10032 | Lab Sample ID: 140-26183-1

Matrix: Air | Lab File ID: A26L26183.D

Analysis Method: TO 15 LL | Date Collected: 01/24/2022 09:25

Sample wt/vol: 500(mL) | Date Analyzed: 01/26/2022 22:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 58177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND	*-	0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND		0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Knoxville | Job No.: 140-26183-1

SDG No.:

Client Sample ID: 10032 | Lab Sample ID: 140-26183-1

Matrix: Air | Lab File ID: A26L26183.D

Analysis Method: TO 15 LL | Date Collected: 01/24/2022 09:25

Sample wt/vol: 500(mL) | Date Analyzed: 01/26/2022 22:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-5 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 58177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D
Lims ID: 140-26183-A-1
Client ID: 10032
Sample Type: Client
Inject. Date: 26-Jan-2022 22:01:30 ALS Bottle#: 8 Worklist Smp#: 20
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0022378-020
Misc. Info.: 10032
Operator ID: HMT Instrument ID: MG

Method: \\chromfs\Knoxville\ChromData\MG\20220124-22378.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 27-Jan-2022 13:03:13 Calib Date: 15-Dec-2021 07:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MG\20211214-21907.b\GL14LV07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1636

First Level Reviewer: khachitpongpanits Date: 27-Jan-2022 13:03:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.129	9.135	-0.006	89	443435	4.80	
* 2 1,4-Difluorobenzene	114	11.313	11.319	-0.006	96	2180904	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.015	16.021	-0.006	95	1670944	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.660	17.687	-0.027	87	1109181	4.62	
44 Chloroform	83	9.129	9.151	-0.022	29	4044	0.0142	
47 1,1,1-Trichloroethane	97	10.186	10.192	-0.006	87	12175	0.0411	
48 1,2-Dichloroethane	62	10.294	10.305	-0.011	61	5310	0.0260	
50 Benzene	78	10.774	10.785	-0.011	57	4907	0.0128	
59 Dibromomethane	93	12.106	12.117	-0.011	51	2511	0.0163	
68 1,1,2-Trichloroethane	83	14.123	14.139	-0.016	17	2370	0.0187	
72 Ethylene Dibromide	107	15.131	15.126	0.005	48	2321	0.0116	
75 Chlorobenzene	112	16.064	16.069	-0.005	1	5772	0.0182	
84 1,1,2,2-Tetrachloroethane	83	17.374	17.385	-0.011	55	5693	0.0179	
88 2-Chlorotoluene	126	18.215	18.243	-0.028	39	2763	0.0175	
97 1,3-Dichlorobenzene	146	19.116	19.132	-0.016	43	4582	0.0183	
99 1,4-Dichlorobenzene	146	19.208	19.219	-0.011	55	3217	0.0160	

QC Flag Legend
Processing Flags

Reagents:
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

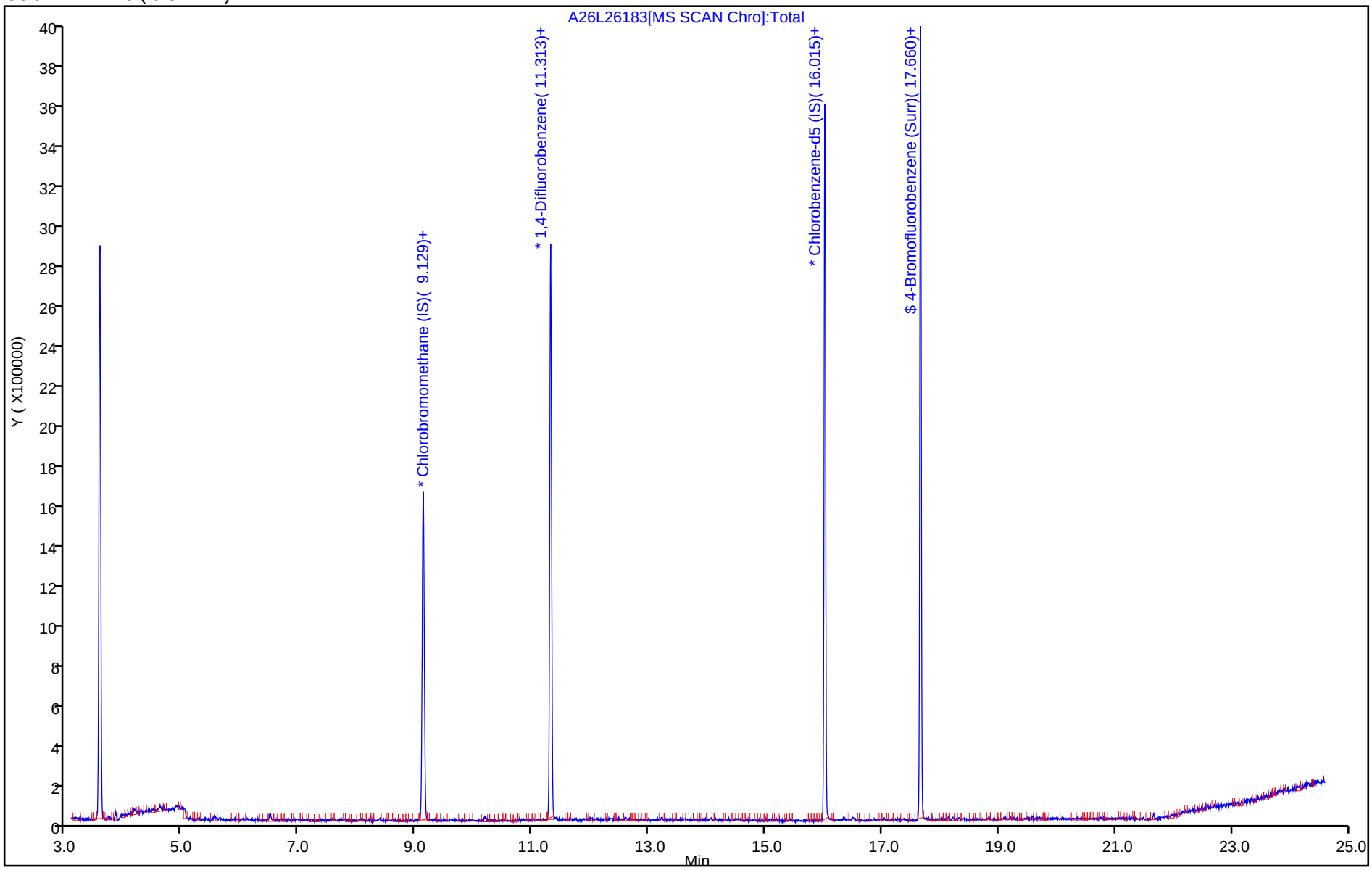
Report Date: 27-Jan-2022 13:03:13 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D

Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1	Worklist Smp#:	20
Client ID:	10032				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



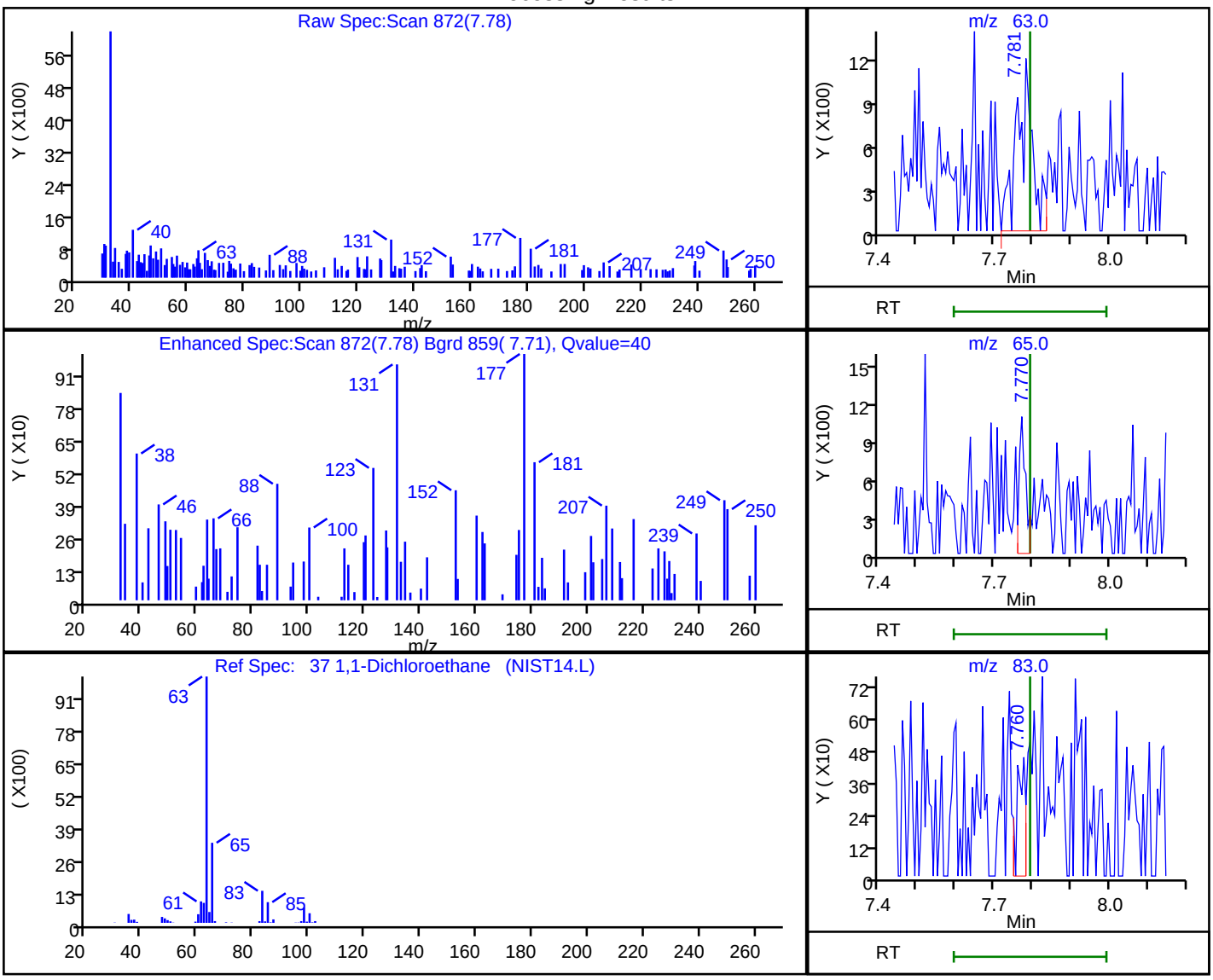
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

37 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
7.78	63.00	3337	0.013198
7.77	65.00	1249	
7.76	83.00	659	

Reviewer: khachitpongpanits, 27-Jan-2022 13:02:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

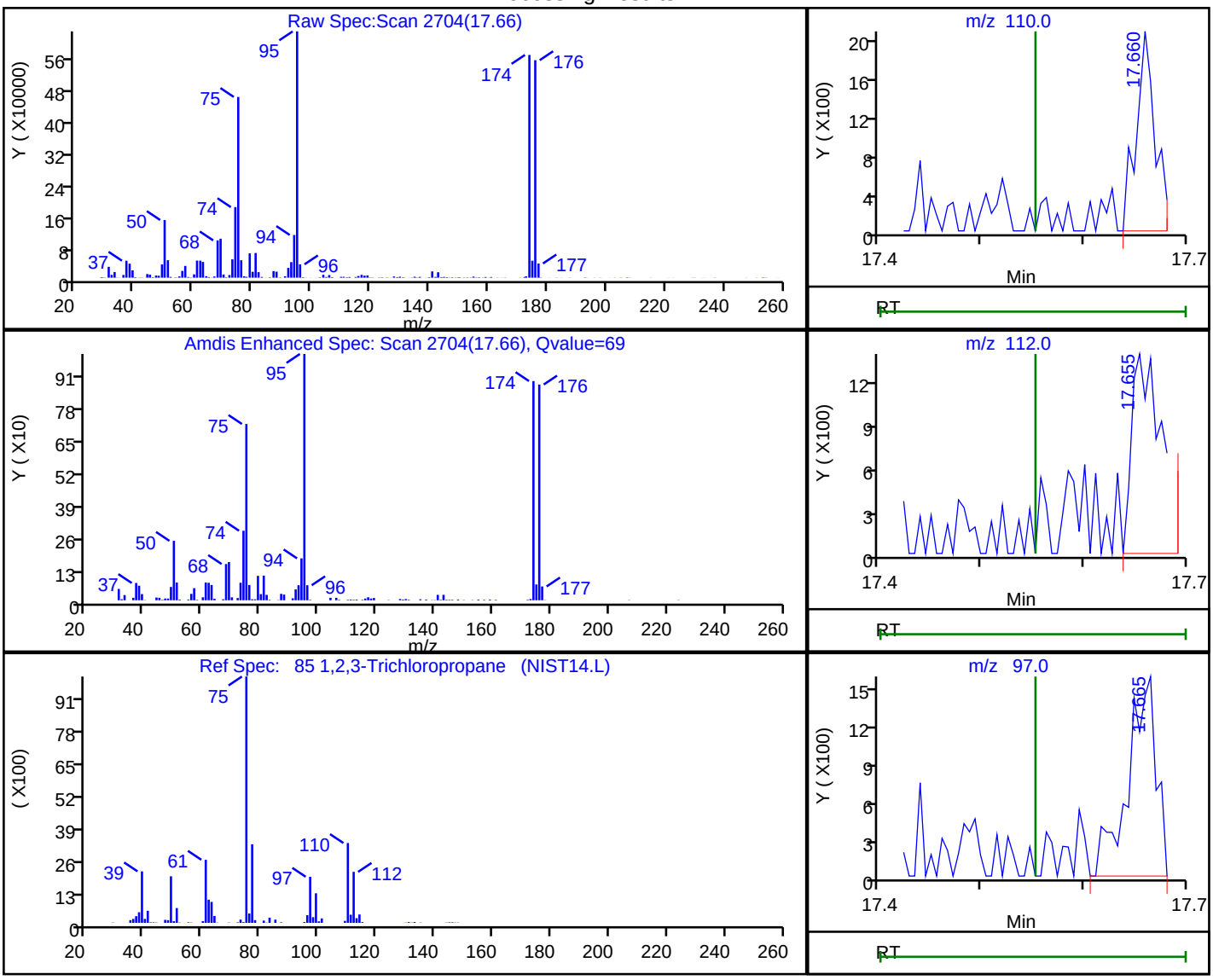
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

85 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
17.66	110.00	2643	0.031855
17.65	112.00	2728	
17.67	97.00	2902	

Reviewer: khachitpongpanits, 27-Jan-2022 13:03:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

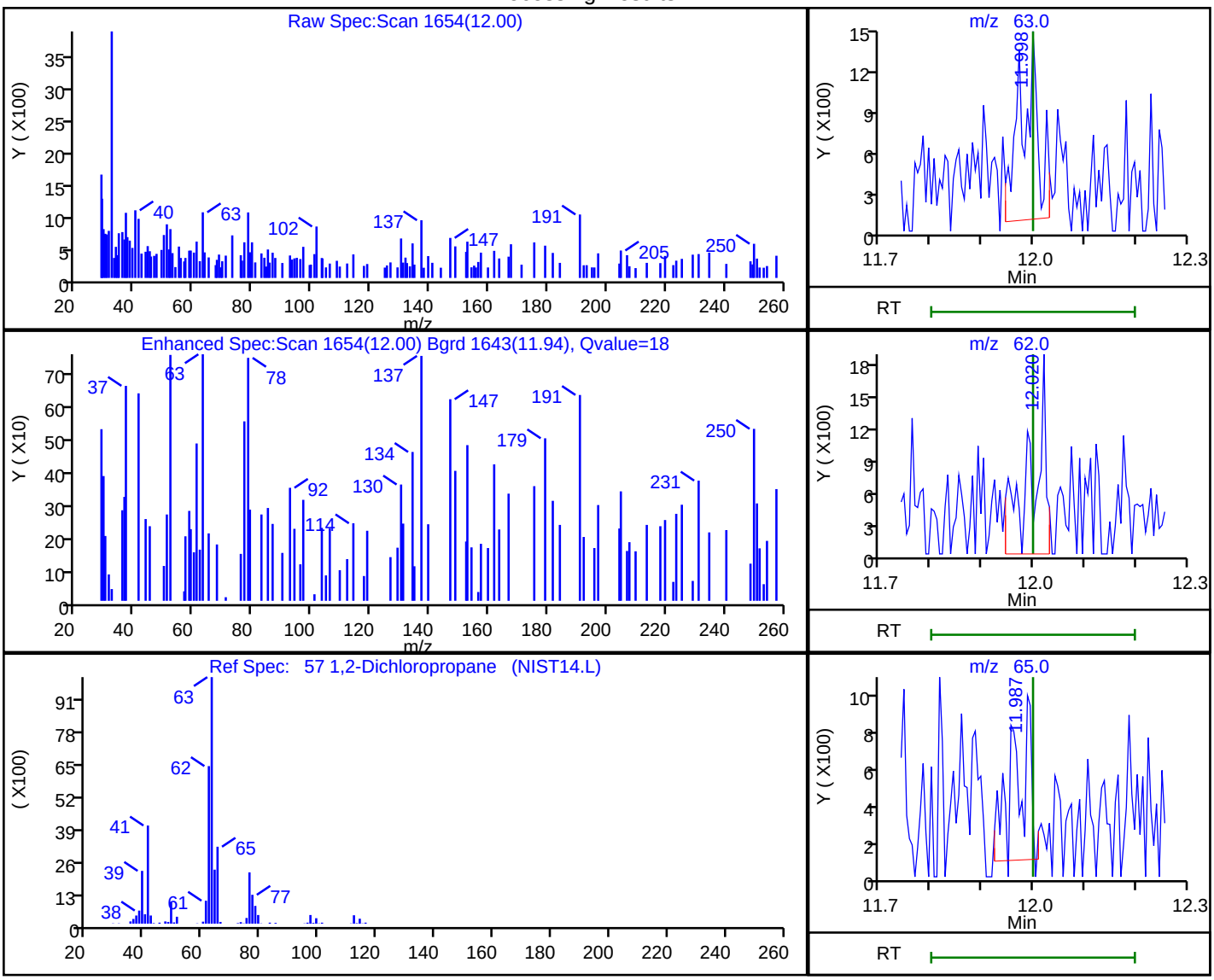
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

57 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
12.00	63.00	3168	0.020224
12.02	62.00	3492	
11.99	65.00	1957	

Reviewer: khachitpongpanits, 27-Jan-2022 13:02:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

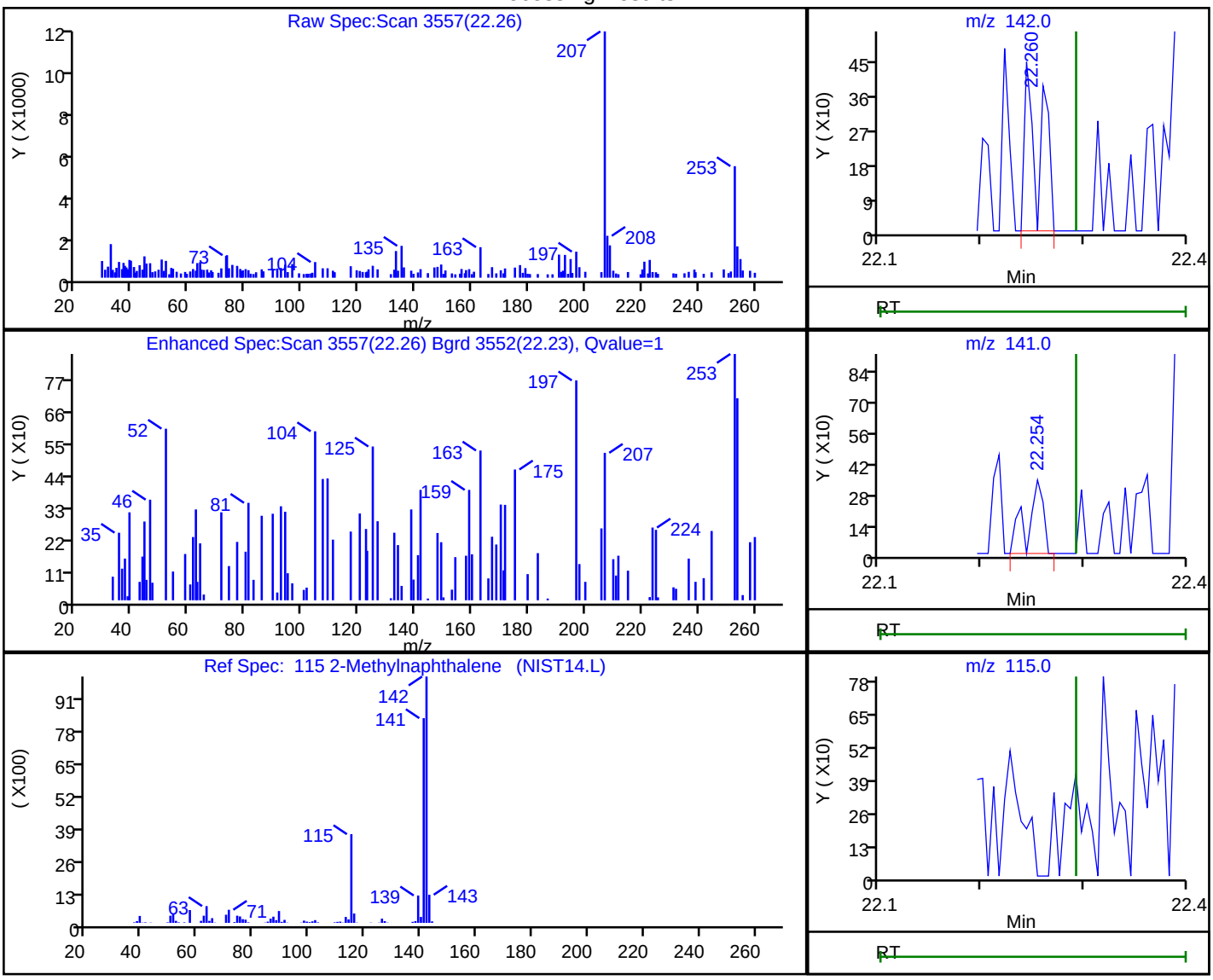
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

115 2-Methylnaphthalene, CAS: 91-57-6

Processing Results



RT	Mass	Response	Amount
22.26	142.00	461	0.011082
22.25	141.00	367	
22.29	115.00	0	

Reviewer: khachitpongpanits, 27-Jan-2022 13:03:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

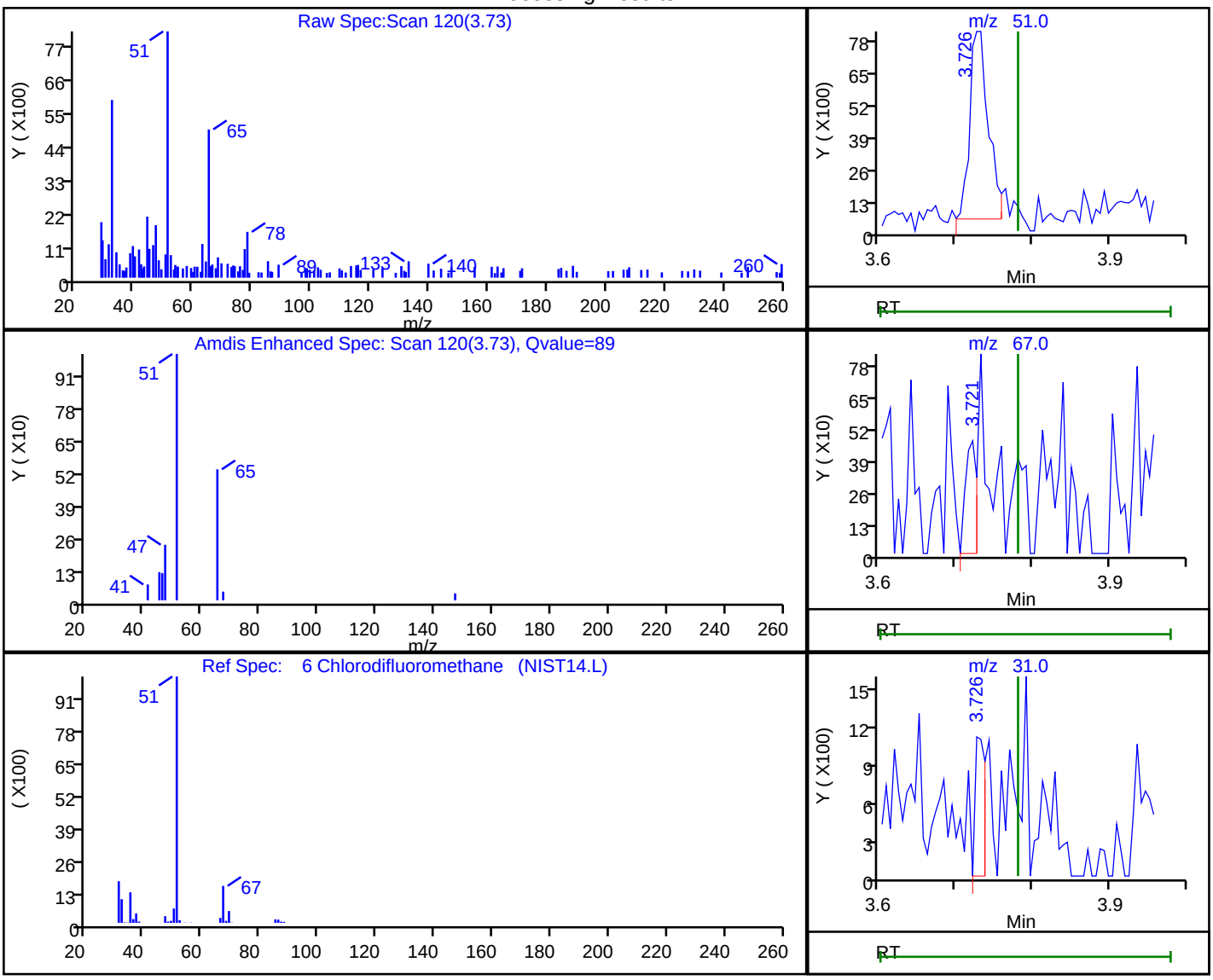
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
3.73	51.00	13034	0.059385
3.72	67.00	469	
3.73	31.00	1003	

Reviewer: khachitpongpanits, 27-Jan-2022 13:02:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

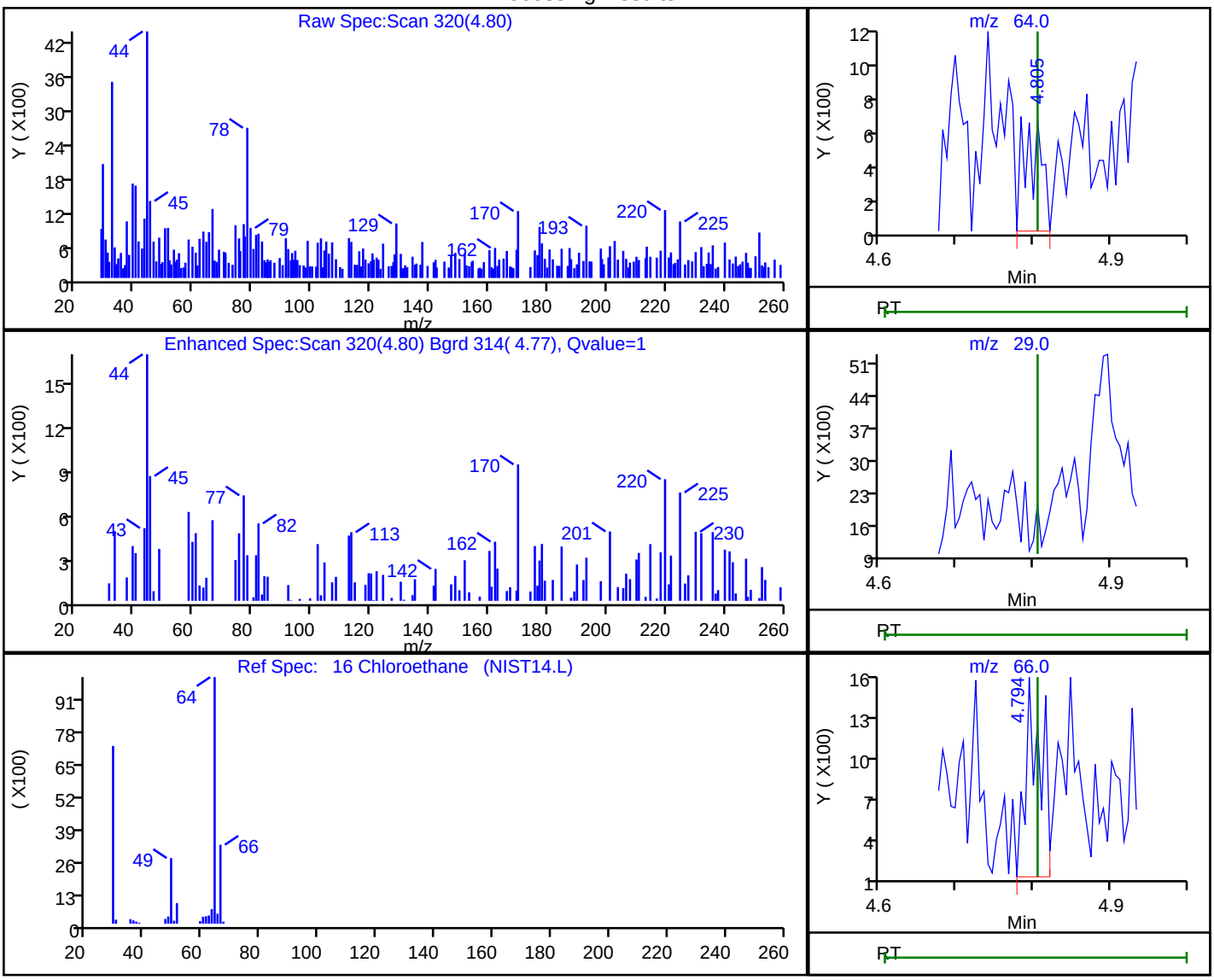
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
4.80	64.00	985	0.018481
4.80	29.00	0	
4.79	66.00	1866	

Reviewer: khachitpongpanits, 27-Jan-2022 13:02:31

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Knoxville

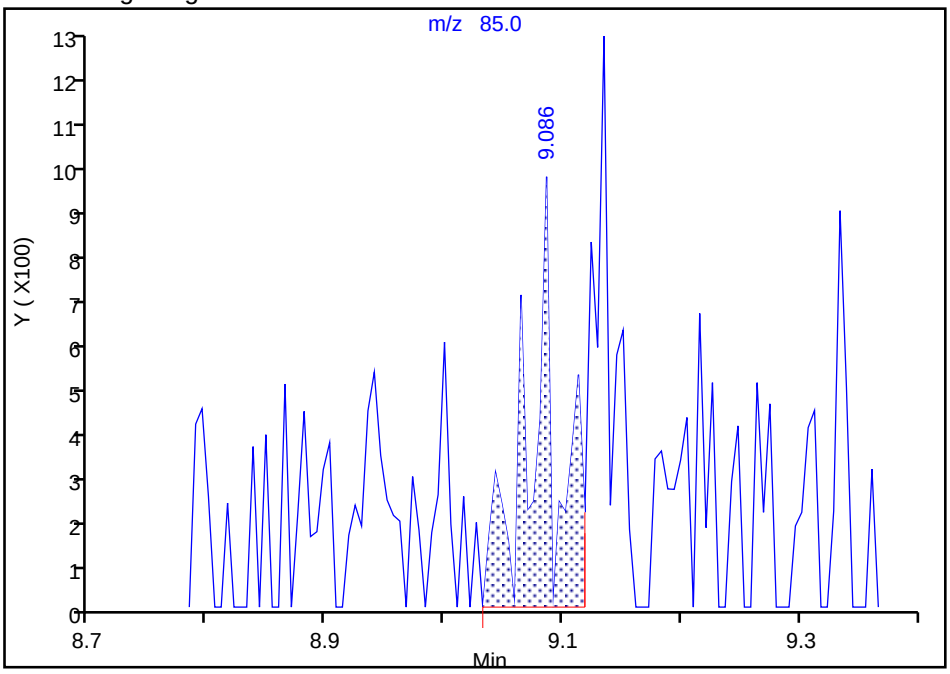
Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

44 Chloroform, CAS: 67-66-3

Signal: 2

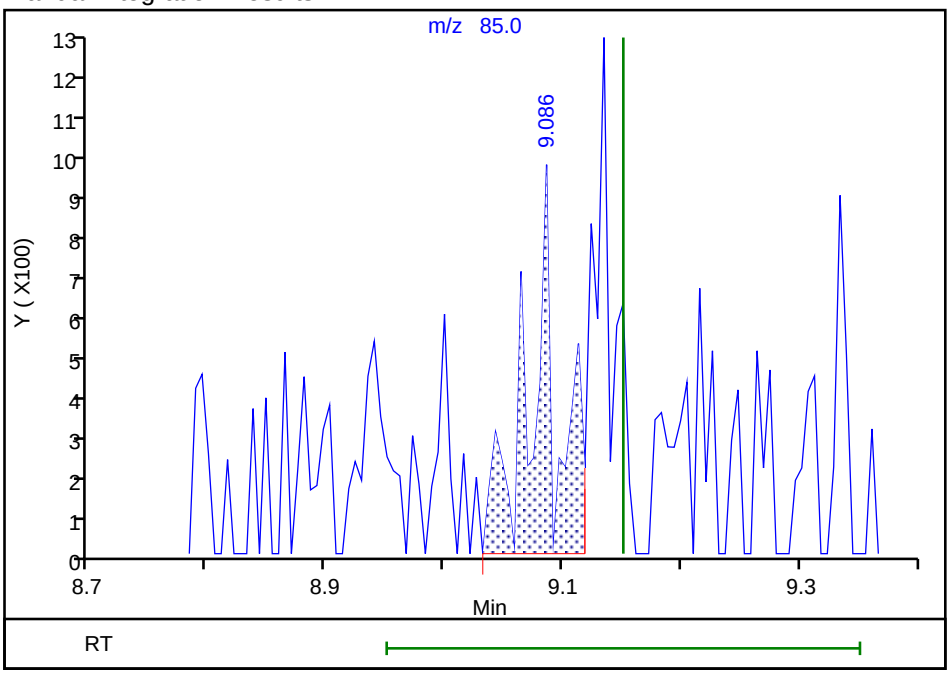
Processing Integration Results

RT: 9.09
Area: 1612
Amount: 0.014250
Amount Units: ppb v/v



Manual Integration Results

RT: 9.09
Area: 1612
Amount: 0.014250
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 27-Jan-2022 13:02:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Knoxville

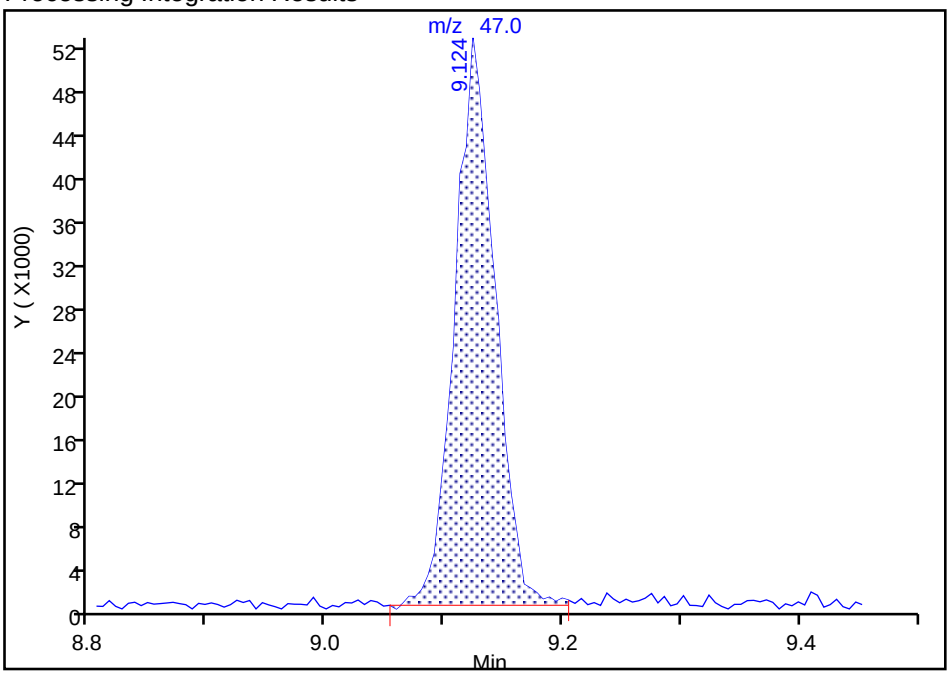
Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

44 Chloroform, CAS: 67-66-3

Signal: 3

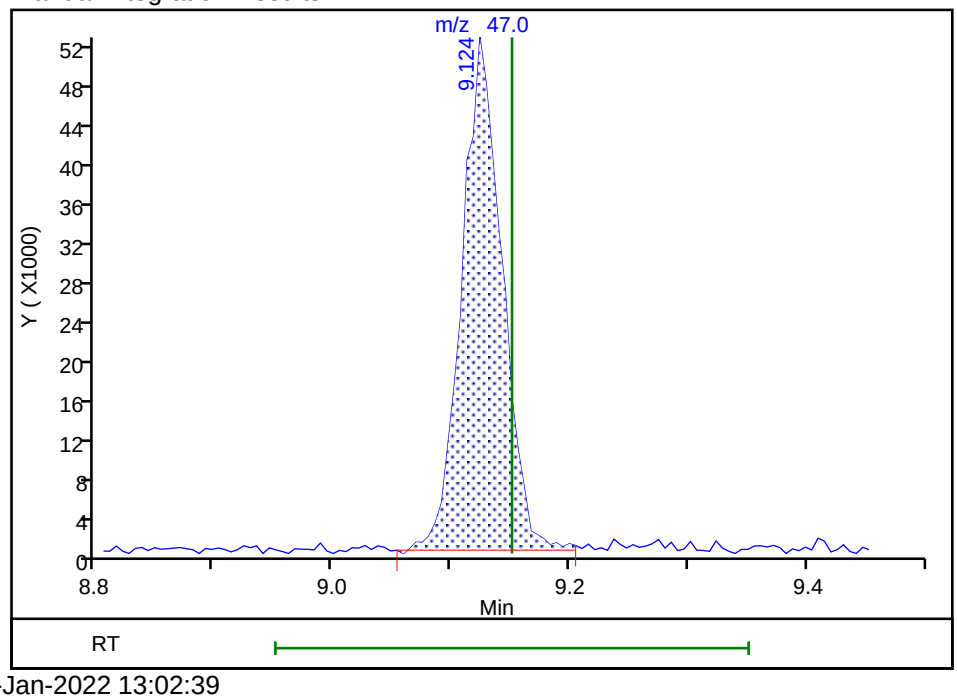
Processing Integration Results

RT: 9.12
Area: 122957
Amount: 0.014250
Amount Units: ppb v/v



Manual Integration Results

RT: 9.12
Area: 122957
Amount: 0.014250
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 27-Jan-2022 13:02:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

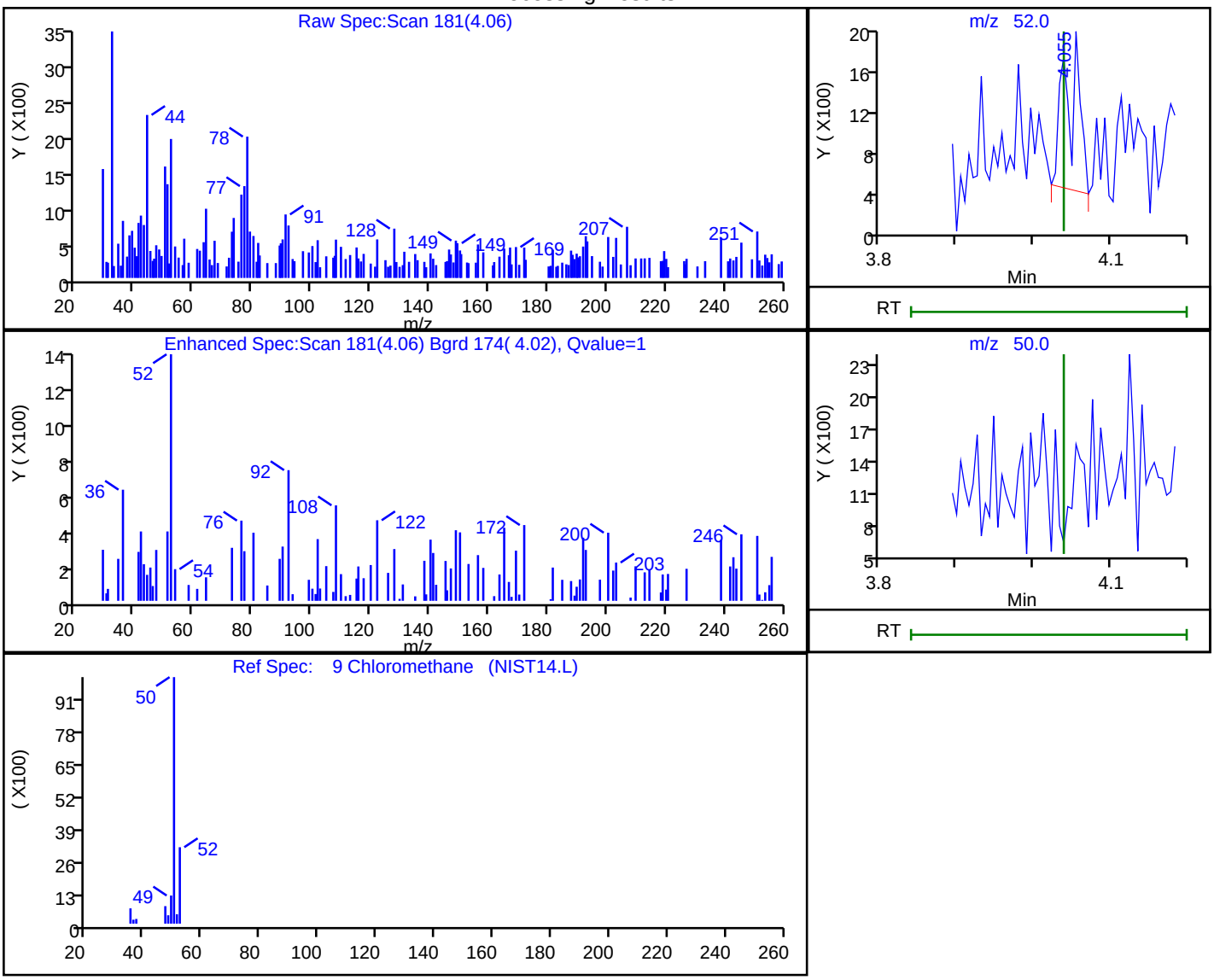
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
4.06	52.00	2083	0.068304
4.04	50.00	0	

Reviewer: khachitpongpanits, 27-Jan-2022 13:02:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

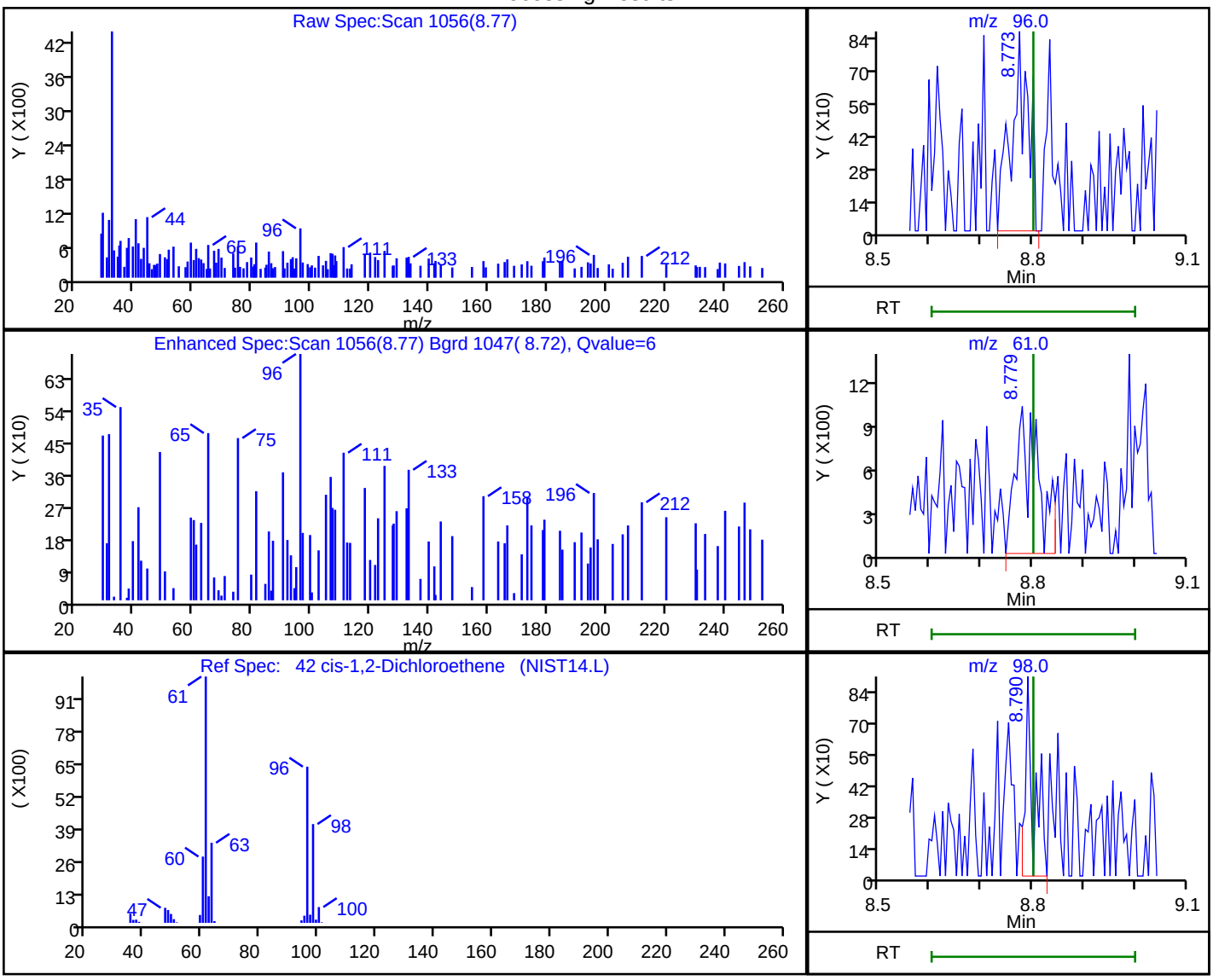
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

42 cis-1,2-Dichloroethene, CAS: 156-59-2

Processing Results



RT	Mass	Response	Amount
8.77	96.00	1946	0.014608
8.78	61.00	3038	
8.79	98.00	1060	

Reviewer: khachitpongpanits, 27-Jan-2022 13:02:37

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Knoxville

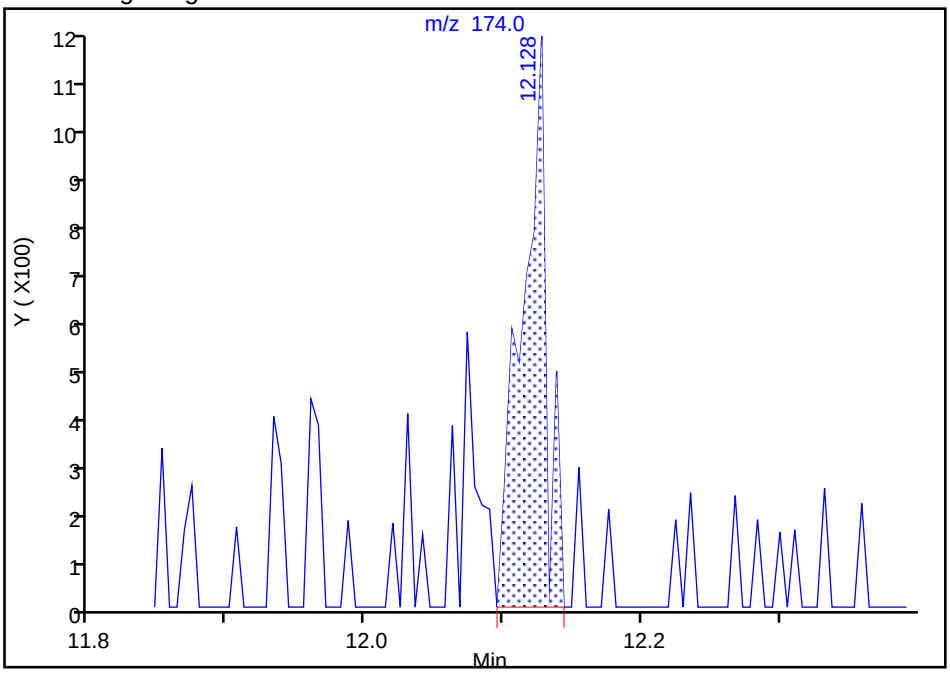
Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

59 Dibromomethane, CAS: 74-95-3

Signal: 2

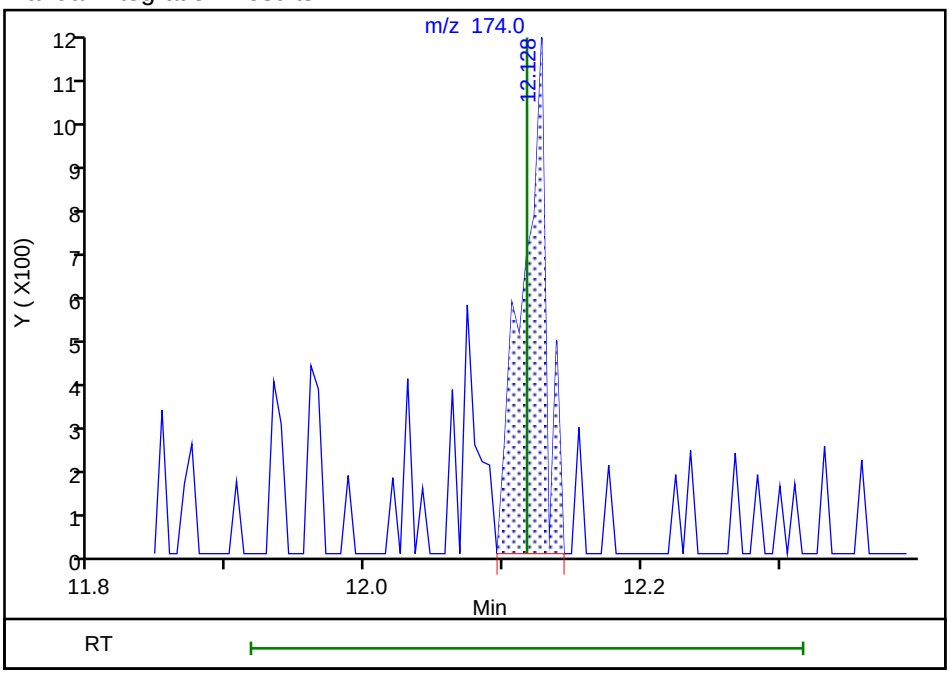
Processing Integration Results

RT: 12.13
Area: 1451
Amount: 0.016283
Amount Units: ppb v/v



Manual Integration Results

RT: 12.13
Area: 1451
Amount: 0.016283
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 27-Jan-2022 13:02:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Knoxville

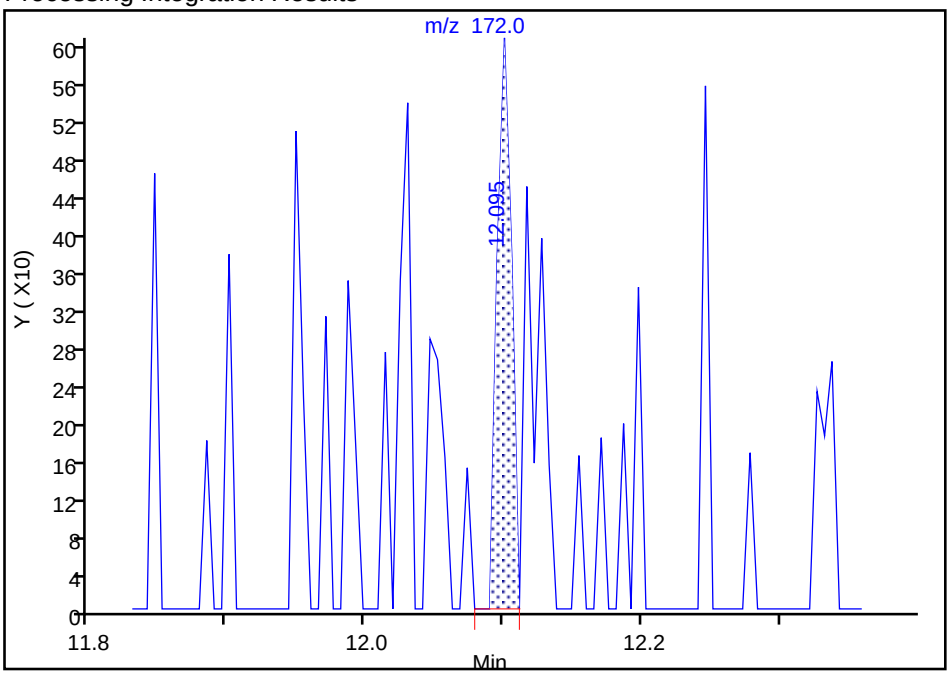
Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

59 Dibromomethane, CAS: 74-95-3

Signal: 3

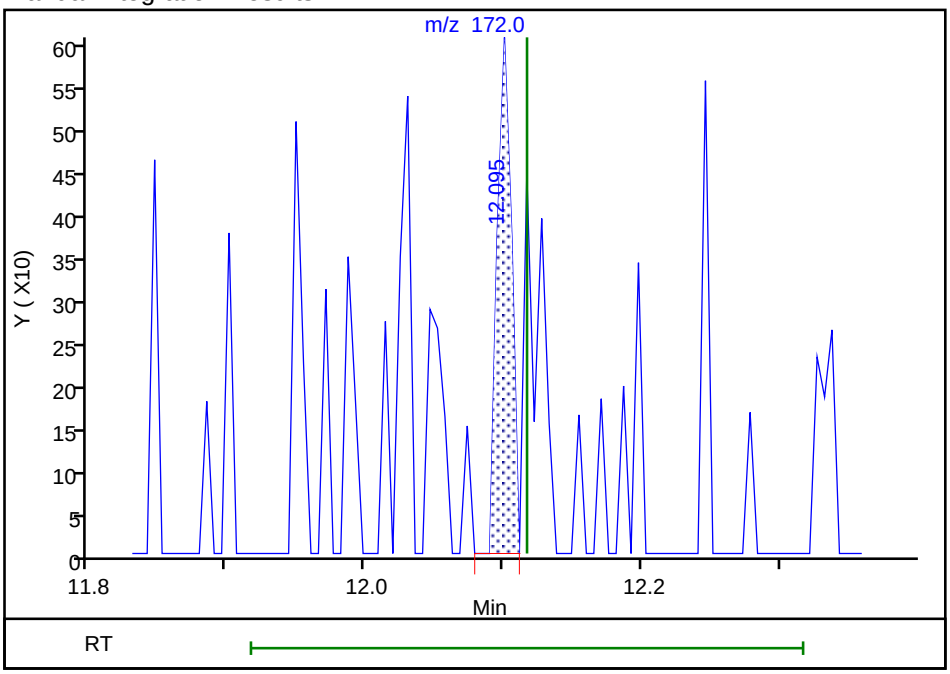
Processing Integration Results

RT: 12.10
Area: 437
Amount: 0.016283
Amount Units: ppb v/v



Manual Integration Results

RT: 12.10
Area: 437
Amount: 0.016283
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 27-Jan-2022 13:02:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

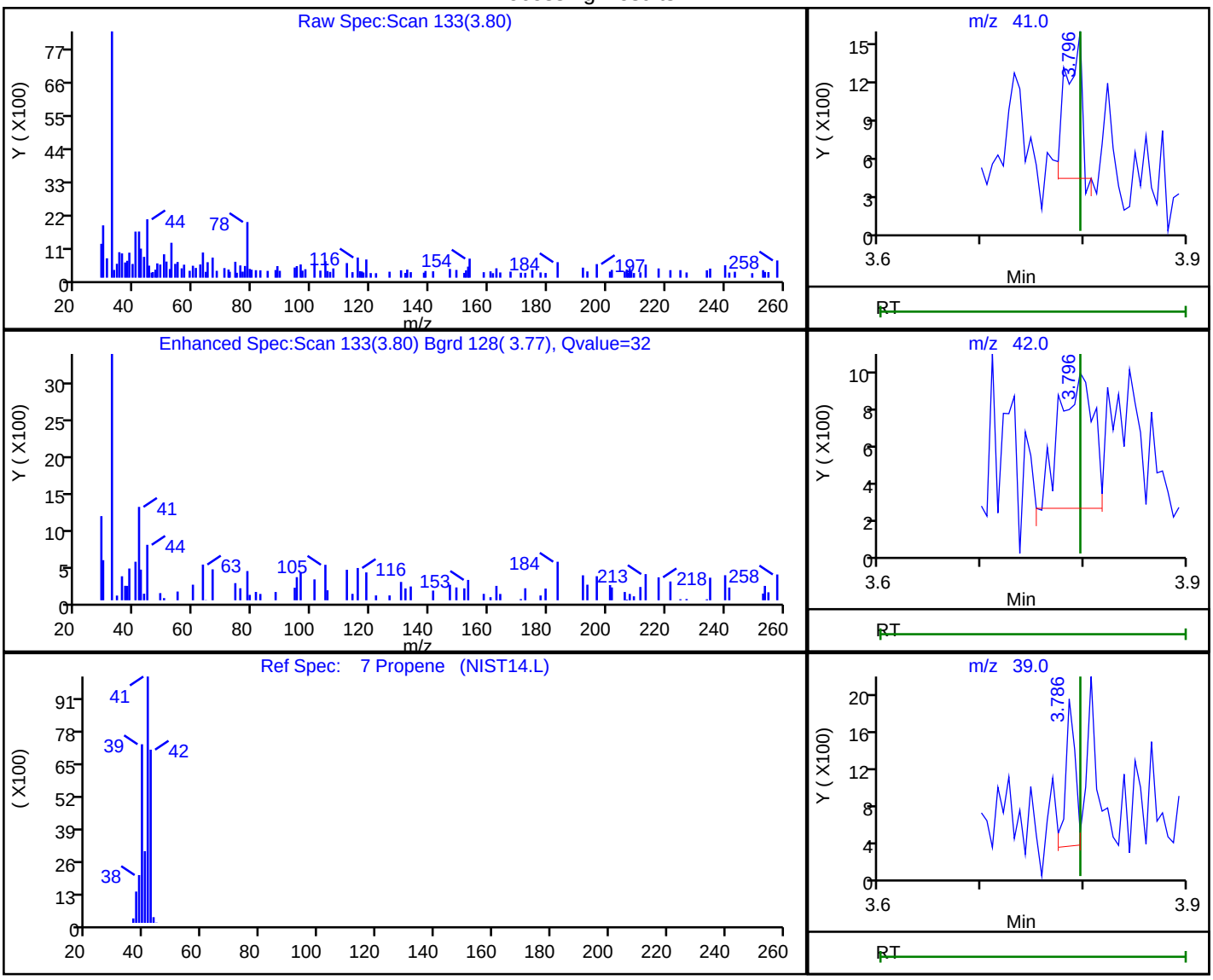
User Disabled Compound Report

Eurofins Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20220124-22378.b\A26L26183.D				
Injection Date:	26-Jan-2022 22:01:30	Instrument ID:	MG		
Lims ID:	140-26183-A-1	Lab Sample ID:	140-26183-1		
Client ID:	10032				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.80	41.00	1139	0.009871
3.80	42.00	1651	
3.79	39.00	1013	

Reviewer: khachitpongpanits, 27-Jan-2022 13:02:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: Stantec Consulting Corp.
Project/Site: MEAN STREET PROPERTY - 193708879

Job No.: 500-215156-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
500-215156-2	0	-4.6	0.85	0.00	28.8	2.96	0.00		3.50	3.50	G5	04/15/22 12:52	BRS
500-215156-2	0	0.0	1.00	0.00	33.3	3.27	0.00		3.27	11.42	G5	04/15/22 13:08	BRS
500-215156-2	0	0.0	1.00	0.00	32.0	3.18	0.00		3.18	36.27	G5	04/15/22 13:21	BRS

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-215176-1
Client Project/Site: South Main Street Prop - 193708879

For:
Stantec Consulting Corp.
12075 Corporate Pkwy, Suite 200
Mequon, Wisconsin 53092

Attn: Erin Gross

Sandra Fredrick

Authorized for release by:
4/29/2022 11:30:46 AM

Sandie Fredrick, Project Manager II
(920)261-1660
Sandra.Fredrick@et.eurofinsus.com

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Case Narrative

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Job ID: 500-215176-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-215176-1

Comments
No additional comments.

Receipt
The samples were received on 4/15/2022 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Client Sample ID: PZ-1 6-8 — Lab Sample ID: 500-215176-1

No Detections.

Client Sample ID: PZ-2 2-4 — Lab Sample ID: 500-215176-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8600		74	27	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 500-215176-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-215176-1	PZ-1 6-8	Solid	04/11/22 10:15	04/15/22 09:30
500-215176-2	PZ-2 2-4	Solid	04/12/22 08:50	04/15/22 09:30
500-215176-3	TRIP BLANK	Solid	04/12/22 00:00	04/15/22 09:30

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Client Sample ID: PZ-1 6-8
Date Collected: 04/11/22 10:15
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215176-1
Matrix: Solid
Percent Solids: 90.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,1,1-Trichloroethane	<27		71	27	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,1-Dichloroethane	<29		71	29	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,1-Dichloropropene	<21		71	21	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2,3-Trichlorobenzene	<33		71	33	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2,3-Trichloropropane	<29		140	29	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2,4-Trimethylbenzene	<25		71	25	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2-Dibromoethane	<27		71	27	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,3,5-Trimethylbenzene	<27		71	27	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
2,2-Dichloropropane	<32		71	32	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
2-Chlorotoluene	<22		71	22	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
4-Chlorotoluene	<25		71	25	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Benzene	<10		18	10	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Bromobenzene	<25		71	25	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Bromochloromethane	<30		71	30	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Dichlorobromomethane	<26		71	26	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Bromoform	<34		71	34	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Bromomethane	<57		210	57	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Carbon tetrachloride	<27		71	27	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Chlorobenzene	<27		71	27	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Chloroethane	<36		71	36	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Chloroform	<26		140	26	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Chloromethane	<23		71	23	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
cis-1,3-Dichloropropene	<30		71	30	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Dibromochloromethane	<35		71	35	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Dibromomethane	<19		71	19	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Dichlorodifluoromethane	<48		210	48	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Ethylbenzene	<13		18	13	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Isopropyl ether	<20		71	20	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Isopropylbenzene	<27		71	27	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Methylene Chloride	<120		360	120	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Naphthalene	<24		71	24	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
n-Butylbenzene	<28		71	28	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
N-Propylbenzene	<29		71	29	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
p-Isopropyltoluene	<26		71	26	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Client Sample ID: PZ-1 6-8
Date Collected: 04/11/22 10:15
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215176-1
Matrix: Solid
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<28		71	28	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Styrene	<27		71	27	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
tert-Butylbenzene	<28		71	28	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Tetrachloroethene	<26		71	26	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Toluene	<10		18	10	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Trichloroethene	<12		36	12	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Trichlorofluoromethane	<30		71	30	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Vinyl chloride	<19		71	19	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50
Xylenes, Total	<16		36	16	ug/Kg	☼	04/11/22 10:15	04/20/22 12:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*04/11/22 10:15*	*04/20/22 12:51*	*50*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*	*04/11/22 10:15*	*04/20/22 12:51*	*50*
Dibromofluoromethane (Surr)	*96*		*75 - 120*	*04/11/22 10:15*	*04/20/22 12:51*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/11/22 10:15*	*04/20/22 12:51*	*50*

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Client Sample ID: PZ-2 2-4
Date Collected: 04/12/22 08:50
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215176-2
Matrix: Solid
Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<34		74	34	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,1,1-Trichloroethane	<28		74	28	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,1,2,2-Tetrachloroethane	<30		74	30	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,1,2-Trichloroethane	<26		74	26	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,1-Dichloroethane	<30		74	30	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,1-Dichloroethene	<29		74	29	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,1-Dichloropropene	<22		74	22	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2,3-Trichlorobenzene	<34		74	34	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2,3-Trichloropropane	<31		150	31	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2,4-Trichlorobenzene	<25		74	25	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2,4-Trimethylbenzene	<27		74	27	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2-Dibromo-3-Chloropropane	<150		370	150	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2-Dibromoethane	<29		74	29	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2-Dichlorobenzene	<25		74	25	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2-Dichloroethane	<29		74	29	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,2-Dichloropropane	<32		74	32	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,3,5-Trimethylbenzene	<28		74	28	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,3-Dichlorobenzene	<30		74	30	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,3-Dichloropropane	<27		74	27	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
1,4-Dichlorobenzene	<27		74	27	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
2,2-Dichloropropane	<33		74	33	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
2-Chlorotoluene	<23		74	23	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
4-Chlorotoluene	<26		74	26	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Benzene	<11		19	11	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Bromobenzene	<26		74	26	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Bromochloromethane	<32		74	32	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Dichlorobromomethane	<28		74	28	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Bromoform	<36		74	36	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Bromomethane	<59		220	59	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Carbon tetrachloride	<28		74	28	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Chlorobenzene	<29		74	29	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Chloroethane	<37		74	37	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Chloroform	<27		150	27	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Chloromethane	<24		74	24	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
cis-1,2-Dichloroethene	<30		74	30	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
cis-1,3-Dichloropropene	<31		74	31	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Dibromochloromethane	<36		74	36	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Dibromomethane	<20		74	20	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Dichlorodifluoromethane	<50		220	50	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Ethylbenzene	<14		19	14	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Hexachlorobutadiene	<33		74	33	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Isopropyl ether	<20		74	20	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Isopropylbenzene	<28		74	28	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Methyl tert-butyl ether	<29		74	29	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Methylene Chloride	<120		370	120	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Naphthalene	<25		74	25	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
n-Butylbenzene	<29		74	29	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
N-Propylbenzene	<31		74	31	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
p-Isopropyltoluene	<27		74	27	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Client Sample ID: PZ-2 2-4
Date Collected: 04/12/22 08:50
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215176-2
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<30		74	30	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Styrene	<29		74	29	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
tert-Butylbenzene	<30		74	30	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Tetrachloroethene	**8600**		74	27	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Toluene	<11		19	11	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
trans-1,2-Dichloroethene	<26		74	26	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
trans-1,3-Dichloropropene	<27		74	27	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Trichloroethene	<12		37	12	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Trichlorofluoromethane	<32		74	32	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Vinyl chloride	<19		74	19	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50
Xylenes, Total	<16		37	16	ug/Kg	☼	04/12/22 08:50	04/20/22 13:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*04/12/22 08:50*	*04/20/22 13:14*	*50*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*	*04/12/22 08:50*	*04/20/22 13:14*	*50*
Dibromofluoromethane (Surr)	*94*		*75 - 120*	*04/12/22 08:50*	*04/20/22 13:14*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/12/22 08:50*	*04/20/22 13:14*	*50*

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Client Sample ID: TRIP BLANK
Date Collected: 04/12/22 00:00
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215176-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,1-Dichloroethane	<21		50	21	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,1-Dichloroethene	<20		50	20	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,1-Dichloropropene	<15		50	15	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2-Dibromoethane	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2-Dichloroethane	<20		50	20	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,2-Dichloropropane	<21		50	21	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,3-Dichloropropane	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
2,2-Dichloropropane	<22		50	22	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
2-Chlorotoluene	<16		50	16	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
4-Chlorotoluene	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Benzene	<7.3		13	7.3	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Bromobenzene	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Bromochloromethane	<21		50	21	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Dichlorobromomethane	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Bromoform	<24		50	24	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Bromomethane	<40		150	40	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Carbon tetrachloride	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Chlorobenzene	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Chloroethane	<25		50	25	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Chloroform	<19		100	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Chloromethane	<16		50	16	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Dibromochloromethane	<24		50	24	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Dibromomethane	<14		50	14	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Hexachlorobutadiene	<22		50	22	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Isopropyl ether	<14		50	14	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Isopropylbenzene	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Methylene Chloride	<82		250	82	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Naphthalene	<17		50	17	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
n-Butylbenzene	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
N-Propylbenzene	<21		50	21	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
p-Isopropyltoluene	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Client Sample ID: TRIP BLANK
Date Collected: 04/12/22 00:00
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215176-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		50	20	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Styrene	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
tert-Butylbenzene	<20		50	20	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Tetrachloroethene	<19		50	19	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Toluene	<7.4		13	7.4	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Trichloroethene	<8.2		25	8.2	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Trichlorofluoromethane	<21		50	21	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Vinyl chloride	<13		50	13	ug/Kg		04/12/22 00:00	04/20/22 12:28	50
Xylenes, Total	<11		25	11	ug/Kg		04/12/22 00:00	04/20/22 12:28	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*04/12/22 00:00*	*04/20/22 12:28*	*50*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*	*04/12/22 00:00*	*04/20/22 12:28*	*50*
Dibromofluoromethane (Surr)	*94*		*75 - 120*	*04/12/22 00:00*	*04/20/22 12:28*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/12/22 00:00*	*04/20/22 12:28*	*50*

Definitions/Glossary

Client: Stantec Consulting Corp. Job ID: 500-215176-1
Project/Site: South Main Street Prop - 193708879

Qualifiers

GC/MS VOA

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

Glossary

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

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

GC/MS VOA

Prep Batch: 652061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215176-1	PZ-1 6-8	Total/NA	Solid	5035	
500-215176-2	PZ-2 2-4	Total/NA	Solid	5035	
500-215176-3	TRIP BLANK	Total/NA	Solid	5035	
LB 500-652061/21-A	Method Blank	Total/NA	Solid	5035	
LCS 500-652061/22-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 652322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-652061/21-A	Method Blank	Total/NA	Solid	8260B	652061
MB 500-652322/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-652061/22-A	Lab Control Sample	Total/NA	Solid	8260B	652061
LCS 500-652322/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 652515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215176-1	PZ-1 6-8	Total/NA	Solid	8260B	652061
500-215176-2	PZ-2 2-4	Total/NA	Solid	8260B	652061
500-215176-3	TRIP BLANK	Total/NA	Solid	8260B	652061
MB 500-652515/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-652515/5	Lab Control Sample	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 652379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215176-1	PZ-1 6-8	Total/NA	Solid	Moisture	
500-215176-2	PZ-2 2-4	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-215176-1	PZ-1 6-8	83	86	96	94
500-215176-2	PZ-2 2-4	83	84	94	95
500-215176-3	TRIP BLANK	83	86	94	94
LB 500-652061/21-A	Method Blank	99	90	101	99
LCS 500-652061/22-A	Lab Control Sample	108	96	105	98
LCS 500-652322/4	Lab Control Sample	101	94	102	99
LCS 500-652515/5	Lab Control Sample	77	90	91	98
MB 500-652322/6	Method Blank	104	93	104	98
MB 500-652515/7	Method Blank	81	89	95	96

Surrogate Legend

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

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB 500-652061/21-A
Matrix: Solid
Analysis Batch: 652322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652061

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,1-Dichloroethane	<21		50	21	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,1-Dichloroethene	<20		50	20	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,1-Dichloropropene	<15		50	15	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2-Dibromoethane	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2-Dichloroethane	<20		50	20	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,2-Dichloropropane	<21		50	21	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,3-Dichloropropane	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
2,2-Dichloropropane	<22		50	22	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
2-Chlorotoluene	<16		50	16	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
4-Chlorotoluene	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Benzene	<7.3		13	7.3	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Bromobenzene	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Bromochloromethane	<21		50	21	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Dichlorobromomethane	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Bromoform	<24		50	24	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Bromomethane	<40		150	40	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Carbon tetrachloride	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Chlorobenzene	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Chloroethane	<25		50	25	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Chloroform	<19		100	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Chloromethane	<16		50	16	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Dibromochloromethane	<24		50	24	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Dibromomethane	<14		50	14	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Hexachlorobutadiene	<22		50	22	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Isopropyl ether	<14		50	14	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Isopropylbenzene	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Methylene Chloride	<82		250	82	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Naphthalene	24.9	J	50	17	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
n-Butylbenzene	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
N-Propylbenzene	<21		50	21	ug/Kg		04/17/22 16:55	04/19/22 15:27	50

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

Lab Sample ID: LB 500-652061/21-A
Matrix: Solid
Analysis Batch: 652322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 652061

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
sec-Butylbenzene	<20		50	20	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Styrene	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
tert-Butylbenzene	<20		50	20	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Tetrachloroethene	<19		50	19	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Toluene	<7.4		13	7.4	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Trichloroethene	<8.2		25	8.2	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Trichlorofluoromethane	<21		50	21	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Vinyl chloride	<13		50	13	ug/Kg		04/17/22 16:55	04/19/22 15:27	50
Xylenes, Total	<11		25	11	ug/Kg		04/17/22 16:55	04/19/22 15:27	50

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*	*04/17/22 16:55*	*04/19/22 15:27*	*50*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*	*04/17/22 16:55*	*04/19/22 15:27*	*50*
Dibromofluoromethane (Surr)	*101*		*75 - 120*	*04/17/22 16:55*	*04/19/22 15:27*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*04/17/22 16:55*	*04/19/22 15:27*	*50*

Lab Sample ID: LCS 500-652061/22-A
Matrix: Solid
Analysis Batch: 652322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2560		ug/Kg		102	70 - 125
1,1,1-Trichloroethane	2500	2750		ug/Kg		110	70 - 125
1,1,2,2-Tetrachloroethane	2500	2450		ug/Kg		98	62 - 140
1,1,2-Trichloroethane	2500	2610		ug/Kg		104	71 - 130
1,1-Dichloroethane	2500	2590		ug/Kg		104	70 - 125
1,1-Dichloroethene	2500	2640		ug/Kg		105	67 - 122
1,1-Dichloropropene	2500	2590		ug/Kg		103	70 - 121
1,2,3-Trichlorobenzene	2500	2800		ug/Kg		112	51 - 145
1,2,3-Trichloropropane	2500	2530		ug/Kg		101	50 - 133
1,2,4-Trichlorobenzene	2500	2770		ug/Kg		111	57 - 137
1,2,4-Trimethylbenzene	2500	2600		ug/Kg		104	70 - 123
1,2-Dibromo-3-Chloropropane	2500	2530		ug/Kg		101	56 - 123
1,2-Dibromoethane	2500	2410		ug/Kg		96	70 - 125
1,2-Dichlorobenzene	2500	2630		ug/Kg		105	70 - 125
1,2-Dichloroethane	2500	2800		ug/Kg		112	68 - 127
1,2-Dichloropropane	2500	2510		ug/Kg		101	67 - 130
1,3,5-Trimethylbenzene	2500	2540		ug/Kg		102	70 - 123
1,3-Dichlorobenzene	2500	2560		ug/Kg		102	70 - 125
1,3-Dichloropropane	2500	2540		ug/Kg		102	62 - 136
1,4-Dichlorobenzene	2500	2530		ug/Kg		101	70 - 120
2,2-Dichloropropane	2500	2490		ug/Kg		99	58 - 139
2-Chlorotoluene	2500	2660		ug/Kg		106	70 - 125
4-Chlorotoluene	2500	2660		ug/Kg		107	68 - 124
Benzene	2500	2720		ug/Kg		109	70 - 120

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

Lab Sample ID: LCS 500-652061/22-A
Matrix: Solid
Analysis Batch: 652322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 652061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	2500	2730		ug/Kg		109	70 - 122
Bromochloromethane	2500	2700		ug/Kg		108	65 - 122
Dichlorobromomethane	2500	2700		ug/Kg		108	69 - 120
Bromoform	2500	2800		ug/Kg		112	56 - 132
Bromomethane	2500	2200		ug/Kg		88	40 - 152
Carbon tetrachloride	2500	2820		ug/Kg		113	59 - 133
Chlorobenzene	2500	2580		ug/Kg		103	70 - 120
Chloroethane	2500	2340		ug/Kg		94	48 - 136
Chloroform	2500	2680		ug/Kg		107	70 - 120
Chloromethane	2500	1970		ug/Kg		79	56 - 152
cis-1,2-Dichloroethene	2500	2680		ug/Kg		107	70 - 125
cis-1,3-Dichloropropene	2500	2490		ug/Kg		100	64 - 127
Dibromochloromethane	2500	2660		ug/Kg		106	68 - 125
Dibromomethane	2500	2790		ug/Kg		112	70 - 120
Dichlorodifluoromethane	2500	1460		ug/Kg		58	40 - 159
Ethylbenzene	2500	2310		ug/Kg		93	70 - 123
Hexachlorobutadiene	2500	3050		ug/Kg		122	51 - 150
Isopropylbenzene	2500	2580		ug/Kg		103	70 - 126
Methyl tert-butyl ether	2500	2630		ug/Kg		105	55 - 123
Methylene Chloride	2500	2820		ug/Kg		113	69 - 125
Naphthalene	2500	2430		ug/Kg		97	53 - 144
n-Butylbenzene	2500	2600		ug/Kg		104	68 - 125
N-Propylbenzene	2500	2640		ug/Kg		106	69 - 127
p-Isopropyltoluene	2500	2460		ug/Kg		99	70 - 125
sec-Butylbenzene	2500	2570		ug/Kg		103	70 - 123
Styrene	2500	2570		ug/Kg		103	70 - 120
tert-Butylbenzene	2500	2540		ug/Kg		102	70 - 121
Tetrachloroethene	2500	2760		ug/Kg		110	70 - 128
Toluene	2500	2560		ug/Kg		103	70 - 125
trans-1,2-Dichloroethene	2500	2640		ug/Kg		106	70 - 125
trans-1,3-Dichloropropene	2500	2380		ug/Kg		95	62 - 128
Trichloroethene	2500	2620		ug/Kg		105	70 - 125
Trichlorofluoromethane	2500	2700		ug/Kg		108	55 - 128
Vinyl chloride	2500	2000		ug/Kg		80	64 - 126
Xylenes, Total	5000	5200		ug/Kg		104	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane (Surr)	*105*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: MB 500-652322/6
Matrix: Solid
Analysis Batch: 652322

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			04/19/22 11:14	1

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

Lab Sample ID: MB 500-652322/6
Matrix: Solid
Analysis Batch: 652322

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			04/19/22 11:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			04/19/22 11:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			04/19/22 11:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			04/19/22 11:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			04/19/22 11:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			04/19/22 11:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			04/19/22 11:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			04/19/22 11:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			04/19/22 11:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			04/19/22 11:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			04/19/22 11:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			04/19/22 11:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			04/19/22 11:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			04/19/22 11:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			04/19/22 11:14	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			04/19/22 11:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			04/19/22 11:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			04/19/22 11:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			04/19/22 11:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			04/19/22 11:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			04/19/22 11:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			04/19/22 11:14	1
Benzene	<0.15		0.25	0.15	ug/Kg			04/19/22 11:14	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			04/19/22 11:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			04/19/22 11:14	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/Kg			04/19/22 11:14	1
Bromoform	<0.48		1.0	0.48	ug/Kg			04/19/22 11:14	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			04/19/22 11:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			04/19/22 11:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			04/19/22 11:14	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			04/19/22 11:14	1
Chloroform	<0.37		2.0	0.37	ug/Kg			04/19/22 11:14	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			04/19/22 11:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			04/19/22 11:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			04/19/22 11:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			04/19/22 11:14	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			04/19/22 11:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			04/19/22 11:14	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			04/19/22 11:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			04/19/22 11:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			04/19/22 11:14	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			04/19/22 11:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			04/19/22 11:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			04/19/22 11:14	1
Naphthalene	0.367	J	1.0	0.33	ug/Kg			04/19/22 11:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			04/19/22 11:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			04/19/22 11:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			04/19/22 11:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			04/19/22 11:14	1

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

Lab Sample ID: MB 500-652322/6
Matrix: Solid
Analysis Batch: 652322

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.39		1.0	0.39	ug/Kg			04/19/22 11:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			04/19/22 11:14	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			04/19/22 11:14	1
Toluene	<0.15		0.25	0.15	ug/Kg			04/19/22 11:14	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			04/19/22 11:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			04/19/22 11:14	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			04/19/22 11:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			04/19/22 11:14	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			04/19/22 11:14	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			04/19/22 11:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*04/19/22 11:14*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*04/19/22 11:14*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*04/19/22 11:14*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*04/19/22 11:14*	*1*

Lab Sample ID: LCS 500-652322/4
Matrix: Solid
Analysis Batch: 652322

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	48.0		ug/Kg		96	70 - 125
1,1,1-Trichloroethane	50.0	54.5		ug/Kg		109	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.1		ug/Kg		86	62 - 140
1,1,2-Trichloroethane	50.0	46.3		ug/Kg		93	71 - 130
1,1-Dichloroethane	50.0	47.5		ug/Kg		95	70 - 125
1,1-Dichloroethene	50.0	52.3		ug/Kg		105	67 - 122
1,1-Dichloropropene	50.0	51.5		ug/Kg		103	70 - 121
1,2,3-Trichlorobenzene	50.0	47.5		ug/Kg		95	51 - 145
1,2,3-Trichloropropane	50.0	44.6		ug/Kg		89	50 - 133
1,2,4-Trichlorobenzene	50.0	49.7		ug/Kg		99	57 - 137
1,2,4-Trimethylbenzene	50.0	47.5		ug/Kg		95	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	42.3		ug/Kg		85	56 - 123
1,2-Dibromoethane	50.0	42.8		ug/Kg		86	70 - 125
1,2-Dichlorobenzene	50.0	46.8		ug/Kg		94	70 - 125
1,2-Dichloroethane	50.0	48.2		ug/Kg		96	68 - 127
1,2-Dichloropropane	50.0	44.8		ug/Kg		90	67 - 130
1,3,5-Trimethylbenzene	50.0	48.0		ug/Kg		96	70 - 123
1,3-Dichlorobenzene	50.0	46.7		ug/Kg		93	70 - 125
1,3-Dichloropropane	50.0	45.9		ug/Kg		92	62 - 136
1,4-Dichlorobenzene	50.0	46.7		ug/Kg		93	70 - 120
2,2-Dichloropropane	50.0	48.7		ug/Kg		97	58 - 139
2-Chlorotoluene	50.0	49.7		ug/Kg		99	70 - 125
4-Chlorotoluene	50.0	49.4		ug/Kg		99	68 - 124
Benzene	50.0	49.2		ug/Kg		98	70 - 120
Bromobenzene	50.0	49.4		ug/Kg		99	70 - 122
Bromochloromethane	50.0	48.3		ug/Kg		97	65 - 122

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

Lab Sample ID: LCS 500-652322/4
Matrix: Solid
Analysis Batch: 652322

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	50.0	48.6		ug/Kg		97	69 - 120
Bromoform	50.0	50.2		ug/Kg		100	56 - 132
Bromomethane	50.0	53.5		ug/Kg		107	40 - 152
Carbon tetrachloride	50.0	55.8		ug/Kg		112	59 - 133
Chlorobenzene	50.0	47.9		ug/Kg		96	70 - 120
Chloroethane	50.0	57.9		ug/Kg		116	48 - 136
Chloroform	50.0	46.8		ug/Kg		94	70 - 120
Chloromethane	50.0	42.7		ug/Kg		85	56 - 152
cis-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	70 - 125
cis-1,3-Dichloropropene	50.0	47.2		ug/Kg		94	64 - 127
Dibromochloromethane	50.0	46.5		ug/Kg		93	68 - 125
Dibromomethane	50.0	47.6		ug/Kg		95	70 - 120
Dichlorodifluoromethane	50.0	50.6		ug/Kg		101	40 - 159
Ethylbenzene	50.0	44.3		ug/Kg		89	70 - 123
Hexachlorobutadiene	50.0	50.1		ug/Kg		100	51 - 150
Isopropylbenzene	50.0	48.6		ug/Kg		97	70 - 126
Methyl tert-butyl ether	50.0	45.4		ug/Kg		91	55 - 123
Methylene Chloride	50.0	47.7		ug/Kg		95	69 - 125
Naphthalene	50.0	41.9		ug/Kg		84	53 - 144
n-Butylbenzene	50.0	47.1		ug/Kg		94	68 - 125
N-Propylbenzene	50.0	50.2		ug/Kg		100	69 - 127
p-Isopropyltoluene	50.0	45.4		ug/Kg		91	70 - 125
sec-Butylbenzene	50.0	47.9		ug/Kg		96	70 - 123
Styrene	50.0	47.3		ug/Kg		95	70 - 120
tert-Butylbenzene	50.0	45.9		ug/Kg		92	70 - 121
Tetrachloroethene	50.0	53.5		ug/Kg		107	70 - 128
Toluene	50.0	47.8		ug/Kg		96	70 - 125
trans-1,2-Dichloroethene	50.0	51.3		ug/Kg		103	70 - 125
trans-1,3-Dichloropropene	50.0	44.6		ug/Kg		89	62 - 128
Trichloroethene	50.0	47.3		ug/Kg		95	70 - 125
Trichlorofluoromethane	50.0	56.0		ug/Kg		112	55 - 128
Vinyl chloride	50.0	46.4		ug/Kg		93	64 - 126
Xylenes, Total	100	97.7		ug/Kg		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Sample ID: MB 500-652515/7
Matrix: Solid
Analysis Batch: 652515

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			04/20/22 12:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			04/20/22 12:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			04/20/22 12:04	1

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

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

Lab Sample ID: MB 500-652515/7
Matrix: Solid
Analysis Batch: 652515

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			04/20/22 12:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			04/20/22 12:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			04/20/22 12:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			04/20/22 12:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			04/20/22 12:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			04/20/22 12:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			04/20/22 12:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			04/20/22 12:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			04/20/22 12:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			04/20/22 12:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			04/20/22 12:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			04/20/22 12:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			04/20/22 12:04	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			04/20/22 12:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			04/20/22 12:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			04/20/22 12:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			04/20/22 12:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			04/20/22 12:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			04/20/22 12:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			04/20/22 12:04	1
Benzene	<0.15		0.25	0.15	ug/Kg			04/20/22 12:04	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			04/20/22 12:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			04/20/22 12:04	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/Kg			04/20/22 12:04	1
Bromoform	<0.48		1.0	0.48	ug/Kg			04/20/22 12:04	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			04/20/22 12:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			04/20/22 12:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			04/20/22 12:04	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			04/20/22 12:04	1
Chloroform	<0.37		2.0	0.37	ug/Kg			04/20/22 12:04	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			04/20/22 12:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			04/20/22 12:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			04/20/22 12:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			04/20/22 12:04	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			04/20/22 12:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			04/20/22 12:04	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			04/20/22 12:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			04/20/22 12:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			04/20/22 12:04	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			04/20/22 12:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			04/20/22 12:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			04/20/22 12:04	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			04/20/22 12:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			04/20/22 12:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			04/20/22 12:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			04/20/22 12:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			04/20/22 12:04	1
Styrene	<0.39		1.0	0.39	ug/Kg			04/20/22 12:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			04/20/22 12:04	1

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

Lab Sample ID: MB 500-652515/7
Matrix: Solid
Analysis Batch: 652515

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			04/20/22 12:04	1
Toluene	<0.15		0.25	0.15	ug/Kg			04/20/22 12:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			04/20/22 12:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			04/20/22 12:04	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			04/20/22 12:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			04/20/22 12:04	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			04/20/22 12:04	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			04/20/22 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*		*04/20/22 12:04*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*04/20/22 12:04*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 120*		*04/20/22 12:04*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*04/20/22 12:04*	*1*

Lab Sample ID: LCS 500-652515/5
Matrix: Solid
Analysis Batch: 652515

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	50.2		ug/Kg		100	70 - 125
1,1,1-Trichloroethane	50.0	43.6		ug/Kg		87	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/Kg		94	62 - 140
1,1,2-Trichloroethane	50.0	46.4		ug/Kg		93	71 - 130
1,1-Dichloroethane	50.0	50.6		ug/Kg		101	70 - 125
1,1-Dichloroethene	50.0	49.6		ug/Kg		99	67 - 122
1,1-Dichloropropene	50.0	46.6		ug/Kg		93	70 - 121
1,2,3-Trichlorobenzene	50.0	54.9		ug/Kg		110	51 - 145
1,2,3-Trichloropropane	50.0	46.6		ug/Kg		93	50 - 133
1,2,4-Trichlorobenzene	50.0	50.7		ug/Kg		101	57 - 137
1,2,4-Trimethylbenzene	50.0	50.8		ug/Kg		102	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	38.3		ug/Kg		77	56 - 123
1,2-Dibromoethane	50.0	44.2		ug/Kg		88	70 - 125
1,2-Dichlorobenzene	50.0	51.5		ug/Kg		103	70 - 125
1,2-Dichloroethane	50.0	44.5		ug/Kg		89	68 - 127
1,2-Dichloropropane	50.0	51.0		ug/Kg		102	67 - 130
1,3,5-Trimethylbenzene	50.0	51.8		ug/Kg		104	70 - 123
1,3-Dichlorobenzene	50.0	52.8		ug/Kg		106	70 - 125
1,3-Dichloropropane	50.0	42.6		ug/Kg		85	62 - 136
1,4-Dichlorobenzene	50.0	51.1		ug/Kg		102	70 - 120
2,2-Dichloropropane	50.0	38.5		ug/Kg		77	58 - 139
2-Chlorotoluene	50.0	50.7		ug/Kg		101	70 - 125
4-Chlorotoluene	50.0	47.8		ug/Kg		96	68 - 124
Benzene	50.0	48.3		ug/Kg		97	70 - 120
Bromobenzene	50.0	52.6		ug/Kg		105	70 - 122
Bromochloromethane	50.0	47.6		ug/Kg		95	65 - 122
Dichlorobromomethane	50.0	41.8		ug/Kg		84	69 - 120
Bromoform	50.0	43.1		ug/Kg		86	56 - 132

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

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

Lab Sample ID: LCS 500-652515/5
Matrix: Solid
Analysis Batch: 652515

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	50.0	44.4		ug/Kg		89	40 - 152
Carbon tetrachloride	50.0	43.8		ug/Kg		88	59 - 133
Chlorobenzene	50.0	51.3		ug/Kg		103	70 - 120
Chloroethane	50.0	43.2		ug/Kg		86	48 - 136
Chloroform	50.0	41.6		ug/Kg		83	70 - 120
Chloromethane	50.0	63.9		ug/Kg		128	56 - 152
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	70 - 125
cis-1,3-Dichloropropene	50.0	43.7		ug/Kg		87	64 - 127
Dibromochloromethane	50.0	45.1		ug/Kg		90	68 - 125
Dibromomethane	50.0	43.8		ug/Kg		88	70 - 120
Dichlorodifluoromethane	50.0	38.9		ug/Kg		78	40 - 159
Ethylbenzene	50.0	48.8		ug/Kg		98	70 - 123
Hexachlorobutadiene	50.0	50.9		ug/Kg		102	51 - 150
Isopropylbenzene	50.0	55.9		ug/Kg		112	70 - 126
Methyl tert-butyl ether	50.0	35.1		ug/Kg		70	55 - 123
Methylene Chloride	50.0	47.4		ug/Kg		95	69 - 125
Naphthalene	50.0	54.9		ug/Kg		110	53 - 144
n-Butylbenzene	50.0	52.9		ug/Kg		106	68 - 125
N-Propylbenzene	50.0	53.5		ug/Kg		107	69 - 127
p-Isopropyltoluene	50.0	54.4		ug/Kg		109	70 - 125
sec-Butylbenzene	50.0	55.3		ug/Kg		111	70 - 123
Styrene	50.0	48.1		ug/Kg		96	70 - 120
tert-Butylbenzene	50.0	57.0		ug/Kg		114	70 - 121
Tetrachloroethene	50.0	54.0		ug/Kg		108	70 - 128
Toluene	50.0	53.7		ug/Kg		107	70 - 125
trans-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	70 - 125
trans-1,3-Dichloropropene	50.0	38.0		ug/Kg		76	62 - 128
Trichloroethene	50.0	55.7		ug/Kg		111	70 - 125
Trichlorofluoromethane	50.0	39.5		ug/Kg		79	55 - 128
Vinyl chloride	50.0	49.0		ug/Kg		98	64 - 126
Xylenes, Total	100	90.6		ug/Kg		91	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*77*		*75 - 126*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane (Surr)	*91*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215176-1

Client Sample ID: PZ-1 6-8
Lab Sample ID: 500-215176-1
Date Collected: 04/11/22 10:15
Matrix: Solid
Date Received: 04/15/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	652379	04/19/22 10:49	LWN	TAL CHI

Client Sample ID: PZ-1 6-8
Lab Sample ID: 500-215176-1
Date Collected: 04/11/22 10:15
Matrix: Solid
Date Received: 04/15/22 09:30
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			652061	04/11/22 10:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	652515	04/20/22 12:51	STW	TAL CHI

Client Sample ID: PZ-2 2-4
Lab Sample ID: 500-215176-2
Date Collected: 04/12/22 08:50
Matrix: Solid
Date Received: 04/15/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	652379	04/19/22 10:49	LWN	TAL CHI

Client Sample ID: PZ-2 2-4
Lab Sample ID: 500-215176-2
Date Collected: 04/12/22 08:50
Matrix: Solid
Date Received: 04/15/22 09:30
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			652061	04/12/22 08:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	652515	04/20/22 13:14	STW	TAL CHI

Client Sample ID: TRIP BLANK
Lab Sample ID: 500-215176-3
Date Collected: 04/12/22 00:00
Matrix: Solid
Date Received: 04/15/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			652061	04/12/22 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	652515	04/20/22 12:28	STW	TAL CHI

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corp. Job ID: 500-215176-1
Project/Site: South Main Street Prop - 193708879

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

500-215176 COC

Client Information	Sampler: ENG / MSE	Lab PM: Fredrick Sandee		COC No: 500-98568-43262 1
Client Contact: Erin Gross	Phone: 608 628 6278	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 1 of 2
Company: Stantec Consulting Corp	PWSID:	Analysis Requested		Job #: 500-215176
Address: 12075 Corporate Pkwy Suite 200	Due Date Requested: Standard			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
City: Mequon	TAT Requested (days): Standard			
State, Zip: WI 53092	Compliance Project: Δ Yes Δ No			
Phone: 608 628 6278	PO #: ~~Add project number here~~ 1937008879			Other:
Email: erin.gross@stantec.com	WO #:			
Project Name: South Main Street Properties	Project #: 50006565			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B VOC	8260B VOC	8270D PAH	Total Number of containers	Special Instructions/Note
			Preservation Code:				X	A	N		
1 PZ-1 6-8	4/11/22	10:15	C	Solid	N	N	X				
2 PZ-2 2-4	4/12/22	0850	C	Solid	N	N	X				
3 TRIP Blank				Solid							
				Solid							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							
				Water							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx		
Relinquished by: Erin Gross	Date/Time: 04/14/2022, 1500	Company: Stantec	Received by: [signature]	Date/Time: 4/15/22 0930	Company: EETA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No: | Cooler Temperature(s) °C and Other Remarks: (10 → 1.1)

Ver 06/08/2021

4/29/2022

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-215176-1

Login Number: 215176
List Number: 1
Creator: James, Jeff A

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-215180-1
Client Project/Site: South Main Street Prop - 193708879

For:
Stantec Consulting Corp.
12075 Corporate Pkwy, Suite 200
Mequon, Wisconsin 53092

Attn: Erin Gross

Authorized for release by:
4/29/2022 4:30:26 PM

Sandie Fredrick, Project Manager II
(920)261-1660
Sandra.Fredrick@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Job ID: 500-215180-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-215180-1

Comments
No additional comments.

Receipt
The samples were received on 4/15/2022 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
Method 8260B: Methylene Chloride is a known laboratory contaminant; therefore all low level detects for this compound should be suspected as lab contamination: PZ-1 (500-215180-1), MW-1 (500-215180-2), PZ-2 (500-215180-3) and MW-2 (500-215180-4)

Method 8260B: The method blank assoicated with the analytical batch 653427 contained Naphthalene above the method detection limit but below the reporting limit. The method blank assoicated with the analytical batch 653568 contained Chloroform above the method detection limit but below the reporting limit. The associated samples were flagged with a "B" flag to denote the presence in the method blank and posssible lab contamination.

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

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: PZ-1 — Lab Sample ID: 500-215180-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.0	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	5.0		1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 500-215180-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.2	J	5.0	1.6	ug/L	1		8260B	Total/NA
Tetrachloroethene	10		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	0.92		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: PZ-2 — Lab Sample ID: 500-215180-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3	J	2.5	0.73	ug/L	5		8260B	Total/NA
Chloroform	2.6	J B	10	1.9	ug/L	5		8260B	Total/NA
Ethylbenzene	2.6		2.5	0.92	ug/L	5		8260B	Total/NA
Naphthalene	4.3	J	5.0	1.7	ug/L	5		8260B	Total/NA
Trichloroethene	11		2.5	0.82	ug/L	5		8260B	Total/NA
Tetrachloroethene - DL	2800		20	7.4	ug/L	20		8260B	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 500-215180-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	160		1.0	0.37	ug/L	1		8260B	Total/NA
Trichloroethene	1.1		0.50	0.16	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

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

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-215180-1	PZ-1	Water	04/14/22 10:00	04/15/22 09:30
500-215180-2	MW-1	Water	04/14/22 09:00	04/15/22 09:30
500-215180-3	PZ-2	Water	04/14/22 10:25	04/15/22 09:30
500-215180-4	MW-2	Water	04/14/22 09:35	04/15/22 09:30

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: PZ-1
Date Collected: 04/14/22 10:00
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/26/22 17:15	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/26/22 17:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/26/22 17:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/26/22 17:15	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/26/22 17:15	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/26/22 17:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/26/22 17:15	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/26/22 17:15	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/26/22 17:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/26/22 17:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/26/22 17:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/26/22 17:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/26/22 17:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/26/22 17:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/26/22 17:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/26/22 17:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/26/22 17:15	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/26/22 17:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/26/22 17:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/26/22 17:15	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/26/22 17:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/26/22 17:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/26/22 17:15	1
Benzene	<0.15		0.50	0.15	ug/L			04/26/22 17:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/26/22 17:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/26/22 17:15	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/26/22 17:15	1
Bromoform	<0.48		1.0	0.48	ug/L			04/26/22 17:15	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/26/22 17:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/26/22 17:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/26/22 17:15	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/26/22 17:15	1
Chloroform	<0.37		2.0	0.37	ug/L			04/26/22 17:15	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/26/22 17:15	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/26/22 17:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/26/22 17:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/26/22 17:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/26/22 17:15	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/26/22 17:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/26/22 17:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/26/22 17:15	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/26/22 17:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/26/22 17:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/26/22 17:15	1
Methylene Chloride	**4.0**	**J**	5.0	1.6	ug/L			04/26/22 17:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/26/22 17:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/26/22 17:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/26/22 17:15	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/26/22 17:15	1

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: PZ-1
Date Collected: 04/14/22 10:00
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/26/22 17:15	1
Styrene	<0.39		1.0	0.39	ug/L			04/26/22 17:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/26/22 17:15	1
Tetrachloroethene	**5.0**		1.0	0.37	ug/L			04/26/22 17:15	1
Toluene	<0.15		0.50	0.15	ug/L			04/26/22 17:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/26/22 17:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/26/22 17:15	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/26/22 17:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/26/22 17:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/26/22 17:15	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/26/22 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*04/26/22 17:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*04/26/22 17:15*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*04/26/22 17:15*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*04/26/22 17:15*	*1*

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: MW-1
Date Collected: 04/14/22 09:00
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/26/22 17:38	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/26/22 17:38	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/26/22 17:38	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/26/22 17:38	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/26/22 17:38	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/26/22 17:38	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/26/22 17:38	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/26/22 17:38	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/26/22 17:38	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/26/22 17:38	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/26/22 17:38	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/26/22 17:38	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/26/22 17:38	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/26/22 17:38	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/26/22 17:38	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/26/22 17:38	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/26/22 17:38	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/26/22 17:38	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/26/22 17:38	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/26/22 17:38	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/26/22 17:38	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/26/22 17:38	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/26/22 17:38	1
Benzene	<0.15		0.50	0.15	ug/L			04/26/22 17:38	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/26/22 17:38	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/26/22 17:38	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/26/22 17:38	1
Bromoform	<0.48		1.0	0.48	ug/L			04/26/22 17:38	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/26/22 17:38	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/26/22 17:38	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/26/22 17:38	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/26/22 17:38	1
Chloroform	<0.37		2.0	0.37	ug/L			04/26/22 17:38	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/26/22 17:38	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/26/22 17:38	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/26/22 17:38	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/26/22 17:38	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/26/22 17:38	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/26/22 17:38	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/26/22 17:38	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/26/22 17:38	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/26/22 17:38	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/26/22 17:38	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/26/22 17:38	1
Methylene Chloride	**3.2**	**J**	5.0	1.6	ug/L			04/26/22 17:38	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/26/22 17:38	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/26/22 17:38	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/26/22 17:38	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/26/22 17:38	1

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: MW-1
Date Collected: 04/14/22 09:00
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/26/22 17:38	1
Styrene	<0.39		1.0	0.39	ug/L			04/26/22 17:38	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/26/22 17:38	1
Tetrachloroethene	**10**		1.0	0.37	ug/L			04/26/22 17:38	1
Toluene	<0.15		0.50	0.15	ug/L			04/26/22 17:38	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/26/22 17:38	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/26/22 17:38	1
Trichloroethene	**0.92**		0.50	0.16	ug/L			04/26/22 17:38	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/26/22 17:38	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/26/22 17:38	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/26/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*04/26/22 17:38*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*04/26/22 17:38*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*04/26/22 17:38*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*04/26/22 17:38*	*1*

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: PZ-2
Date Collected: 04/14/22 10:25
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.3		5.0	2.3	ug/L			04/27/22 20:49	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			04/27/22 20:49	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			04/27/22 20:49	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			04/27/22 20:49	5
1,1-Dichloroethane	<2.1		5.0	2.1	ug/L			04/27/22 20:49	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			04/27/22 20:49	5
1,1-Dichloropropene	<1.5		5.0	1.5	ug/L			04/27/22 20:49	5
1,2,3-Trichlorobenzene	<2.3		5.0	2.3	ug/L			04/27/22 20:49	5
1,2,3-Trichloropropane	<2.1		10	2.1	ug/L			04/27/22 20:49	5
1,2,4-Trichlorobenzene	<1.7		5.0	1.7	ug/L			04/27/22 20:49	5
1,2,4-Trimethylbenzene	<1.8		5.0	1.8	ug/L			04/27/22 20:49	5
1,2-Dibromo-3-Chloropropane	<10		25	10	ug/L			04/27/22 20:49	5
1,2-Dibromoethane	<1.9		5.0	1.9	ug/L			04/27/22 20:49	5
1,2-Dichlorobenzene	<1.7		5.0	1.7	ug/L			04/27/22 20:49	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			04/27/22 20:49	5
1,2-Dichloropropane	<2.1		5.0	2.1	ug/L			04/27/22 20:49	5
1,3,5-Trimethylbenzene	<1.3		5.0	1.3	ug/L			04/27/22 20:49	5
1,3-Dichlorobenzene	<2.0		5.0	2.0	ug/L			04/27/22 20:49	5
1,3-Dichloropropane	<1.8		5.0	1.8	ug/L			04/27/22 20:49	5
1,4-Dichlorobenzene	<1.8		5.0	1.8	ug/L			04/27/22 20:49	5
2,2-Dichloropropane	<2.2		5.0	2.2	ug/L			04/27/22 20:49	5
2-Chlorotoluene	<1.6		5.0	1.6	ug/L			04/27/22 20:49	5
4-Chlorotoluene	<1.7		5.0	1.7	ug/L			04/27/22 20:49	5
Benzene	**1.3**	**J**	2.5	0.73	ug/L			04/27/22 20:49	5
Bromobenzene	<1.8		5.0	1.8	ug/L			04/27/22 20:49	5
Bromochloromethane	<2.1		5.0	2.1	ug/L			04/27/22 20:49	5
Dichlorobromomethane	<1.9		5.0	1.9	ug/L			04/27/22 20:49	5
Bromoform	<2.4		5.0	2.4	ug/L			04/27/22 20:49	5
Bromomethane	<4.0		15	4.0	ug/L			04/27/22 20:49	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			04/27/22 20:49	5
Chlorobenzene	<1.9		5.0	1.9	ug/L			04/27/22 20:49	5
Chloroethane	<2.5		5.0	2.5	ug/L			04/27/22 20:49	5
Chloroform	**2.6**	**J B**	10	1.9	ug/L			04/27/22 20:49	5
Chloromethane	<1.6		5.0	1.6	ug/L			04/27/22 20:49	5
cis-1,2-Dichloroethene	<2.0		5.0	2.0	ug/L			04/27/22 20:49	5
cis-1,3-Dichloropropene	<2.1		5.0	2.1	ug/L			04/27/22 20:49	5
Dibromochloromethane	<2.4		5.0	2.4	ug/L			04/27/22 20:49	5
Dibromomethane	<1.4		5.0	1.4	ug/L			04/27/22 20:49	5
Dichlorodifluoromethane	<3.4		15	3.4	ug/L			04/27/22 20:49	5
Ethylbenzene	**2.6**		2.5	0.92	ug/L			04/27/22 20:49	5
Hexachlorobutadiene	<2.2		5.0	2.2	ug/L			04/27/22 20:49	5
Isopropyl ether	<1.4		5.0	1.4	ug/L			04/27/22 20:49	5
Isopropylbenzene	<1.9		5.0	1.9	ug/L			04/27/22 20:49	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			04/27/22 20:49	5
Methylene Chloride	<8.2		25	8.2	ug/L			04/27/22 20:49	5
Naphthalene	**4.3**	**J**	5.0	1.7	ug/L			04/27/22 20:49	5
n-Butylbenzene	<1.9		5.0	1.9	ug/L			04/27/22 20:49	5
N-Propylbenzene	<2.1		5.0	2.1	ug/L			04/27/22 20:49	5
p-Isopropyltoluene	<1.8		5.0	1.8	ug/L			04/27/22 20:49	5

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: PZ-2
Date Collected: 04/14/22 10:25
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<2.0		5.0	2.0	ug/L			04/27/22 20:49	5
Styrene	<1.9		5.0	1.9	ug/L			04/27/22 20:49	5
tert-Butylbenzene	<2.0		5.0	2.0	ug/L			04/27/22 20:49	5
Toluene	<0.76		2.5	0.76	ug/L			04/27/22 20:49	5
trans-1,2-Dichloroethene	<1.7		5.0	1.7	ug/L			04/27/22 20:49	5
trans-1,3-Dichloropropene	<1.8		5.0	1.8	ug/L			04/27/22 20:49	5
Trichloroethene	**11**		2.5	0.82	ug/L			04/27/22 20:49	5
Trichlorofluoromethane	<2.1		5.0	2.1	ug/L			04/27/22 20:49	5
Vinyl chloride	<1.0		5.0	1.0	ug/L			04/27/22 20:49	5
Xylenes, Total	<1.1		5.0	1.1	ug/L			04/27/22 20:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*04/27/22 20:49*	*5*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*04/27/22 20:49*	*5*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*04/27/22 20:49*	*5*
Toluene-d8 (Surr)	*106*		*75 - 120*		*04/27/22 20:49*	*5*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**2800**		20	7.4	ug/L			04/26/22 18:00	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*04/26/22 18:00*	*20*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*04/26/22 18:00*	*20*
Dibromofluoromethane (Surr)	*107*		*75 - 120*		*04/26/22 18:00*	*20*
Toluene-d8 (Surr)	*102*		*75 - 120*		*04/26/22 18:00*	*20*

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: MW-2
Date Collected: 04/14/22 09:35
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/26/22 18:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/26/22 18:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/26/22 18:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/26/22 18:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/26/22 18:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/26/22 18:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/26/22 18:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/26/22 18:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/26/22 18:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/26/22 18:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/26/22 18:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/26/22 18:46	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/26/22 18:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/26/22 18:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/26/22 18:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/26/22 18:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/26/22 18:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/26/22 18:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/26/22 18:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/26/22 18:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/26/22 18:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/26/22 18:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/26/22 18:46	1
Benzene	<0.15		0.50	0.15	ug/L			04/26/22 18:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/26/22 18:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/26/22 18:46	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/26/22 18:46	1
Bromoform	<0.48		1.0	0.48	ug/L			04/26/22 18:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/26/22 18:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/26/22 18:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/26/22 18:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/26/22 18:46	1
Chloroform	<0.37		2.0	0.37	ug/L			04/26/22 18:46	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/26/22 18:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/26/22 18:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/26/22 18:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/26/22 18:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/26/22 18:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/26/22 18:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/26/22 18:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/26/22 18:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/26/22 18:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/26/22 18:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/26/22 18:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/26/22 18:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/26/22 18:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/26/22 18:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/26/22 18:46	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/26/22 18:46	1

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: MW-2
Date Collected: 04/14/22 09:35
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/26/22 18:46	1
Styrene	<0.39		1.0	0.39	ug/L			04/26/22 18:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/26/22 18:46	1
Tetrachloroethene	**160**		1.0	0.37	ug/L			04/26/22 18:46	1
Toluene	<0.15		0.50	0.15	ug/L			04/26/22 18:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/26/22 18:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/26/22 18:46	1
Trichloroethene	**1.1**		0.50	0.16	ug/L			04/26/22 18:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/26/22 18:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/26/22 18:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/26/22 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*04/26/22 18:46*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*04/26/22 18:46*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*04/26/22 18:46*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*04/26/22 18:46*	*1*

Definitions/Glossary

Client: Stantec Consulting Corp. Job ID: 500-215180-1
Project/Site: South Main Street Prop - 193708879

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

GC/MS VOA

Analysis Batch: 653427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215180-1	PZ-1	Total/NA	Water	8260B	
500-215180-2	MW-1	Total/NA	Water	8260B	
500-215180-3 - DL	PZ-2	Total/NA	Water	8260B	
500-215180-4	MW-2	Total/NA	Water	8260B	
MB 500-653427/6	Method Blank	Total/NA	Water	8260B	
LCS 500-653427/4	Lab Control Sample	Total/NA	Water	8260B	
500-215180-1 MS	PZ-1	Total/NA	Water	8260B	
500-215180-1 MSD	PZ-1	Total/NA	Water	8260B	

Analysis Batch: 653568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215180-3	PZ-2	Total/NA	Water	8260B	
MB 500-653568/7	Method Blank	Total/NA	Water	8260B	
LCS 500-653568/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-215180-1	PZ-1	111	93	106	101
500-215180-1 MS	PZ-1	111	99	105	101
500-215180-1 MSD	PZ-1	110	94	107	100
500-215180-2	MW-1	108	96	102	103
500-215180-3 - DL	PZ-2	115	95	107	102
500-215180-3	PZ-2	115	102	108	106
500-215180-4	MW-2	113	94	106	102
LCS 500-653427/4	Lab Control Sample	108	95	102	104
LCS 500-653568/5	Lab Control Sample	115	100	112	106
MB 500-653427/6	Method Blank	114	93	109	102
MB 500-653568/7	Method Blank	116	100	110	106

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-653427/6
Matrix: Water
Analysis Batch: 653427

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/26/22 11:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/26/22 11:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/26/22 11:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/26/22 11:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/26/22 11:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/26/22 11:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/26/22 11:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/26/22 11:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/26/22 11:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/26/22 11:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/26/22 11:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/26/22 11:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/26/22 11:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/26/22 11:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/26/22 11:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/26/22 11:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/26/22 11:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/26/22 11:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/26/22 11:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/26/22 11:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/26/22 11:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/26/22 11:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/26/22 11:06	1
Benzene	<0.15		0.50	0.15	ug/L			04/26/22 11:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/26/22 11:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/26/22 11:06	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/26/22 11:06	1
Bromoform	<0.48		1.0	0.48	ug/L			04/26/22 11:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/26/22 11:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/26/22 11:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/26/22 11:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/26/22 11:06	1
Chloroform	<0.37		2.0	0.37	ug/L			04/26/22 11:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/26/22 11:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/26/22 11:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/26/22 11:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/26/22 11:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/26/22 11:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/26/22 11:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/26/22 11:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/26/22 11:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/26/22 11:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/26/22 11:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/26/22 11:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/26/22 11:06	1
Naphthalene	0.380	J	1.0	0.34	ug/L			04/26/22 11:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/26/22 11:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/26/22 11:06	1

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

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

Lab Sample ID: MB 500-653427/6
Matrix: Water
Analysis Batch: 653427

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/26/22 11:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/26/22 11:06	1
Styrene	<0.39		1.0	0.39	ug/L			04/26/22 11:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/26/22 11:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/26/22 11:06	1
Toluene	<0.15		0.50	0.15	ug/L			04/26/22 11:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/26/22 11:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/26/22 11:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/26/22 11:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/26/22 11:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/26/22 11:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/26/22 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*		*04/26/22 11:06*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*04/26/22 11:06*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 120*		*04/26/22 11:06*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*04/26/22 11:06*	*1*

Lab Sample ID: LCS 500-653427/4
Matrix: Water
Analysis Batch: 653427

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	46.6		ug/L		93	70 - 125
1,1,1-Trichloroethane	50.0	54.0		ug/L		108	70 - 125
1,1,2,2-Tetrachloroethane	50.0	37.3		ug/L		75	62 - 140
1,1,2-Trichloroethane	50.0	42.4		ug/L		85	71 - 130
1,1-Dichloroethane	50.0	45.2		ug/L		90	70 - 125
1,1-Dichloroethene	50.0	48.5		ug/L		97	67 - 122
1,1-Dichloropropene	50.0	49.1		ug/L		98	70 - 121
1,2,3-Trichlorobenzene	50.0	47.2		ug/L		94	51 - 145
1,2,3-Trichloropropane	50.0	40.8		ug/L		82	50 - 133
1,2,4-Trichlorobenzene	50.0	48.4		ug/L		97	57 - 137
1,2,4-Trimethylbenzene	50.0	47.1		ug/L		94	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	44.0		ug/L		88	56 - 123
1,2-Dibromoethane	50.0	38.6		ug/L		77	70 - 125
1,2-Dichlorobenzene	50.0	44.5		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	49.3		ug/L		99	68 - 127
1,2-Dichloropropane	50.0	42.1		ug/L		84	67 - 130
1,3,5-Trimethylbenzene	50.0	48.0		ug/L		96	70 - 123
1,3-Dichlorobenzene	50.0	45.3		ug/L		91	70 - 125
1,3-Dichloropropane	50.0	41.9		ug/L		84	62 - 136
1,4-Dichlorobenzene	50.0	45.0		ug/L		90	70 - 120
2,2-Dichloropropane	50.0	50.4		ug/L		101	58 - 139
2-Chlorotoluene	50.0	49.0		ug/L		98	70 - 125
4-Chlorotoluene	50.0	48.8		ug/L		98	68 - 124
Benzene	50.0	45.2		ug/L		90	70 - 120

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

Lab Sample ID: LCS 500-653427/4
Matrix: Water
Analysis Batch: 653427

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	50.0	45.6		ug/L		91	70 - 122
Bromochloromethane	50.0	44.3		ug/L		89	65 - 122
Dichlorobromomethane	50.0	45.7		ug/L		91	69 - 120
Bromoform	50.0	45.1		ug/L		90	56 - 132
Bromomethane	50.0	44.4		ug/L		89	40 - 152
Carbon tetrachloride	50.0	56.1		ug/L		112	59 - 133
Chlorobenzene	50.0	47.1		ug/L		94	70 - 120
Chloroethane	50.0	43.4		ug/L		87	48 - 136
Chloroform	50.0	44.9		ug/L		90	70 - 120
Chloromethane	50.0	35.0		ug/L		70	56 - 152
cis-1,2-Dichloroethene	50.0	43.6		ug/L		87	70 - 125
cis-1,3-Dichloropropene	50.0	43.9		ug/L		88	64 - 127
Dibromochloromethane	50.0	44.0		ug/L		88	68 - 125
Dibromomethane	50.0	43.8		ug/L		88	70 - 120
Dichlorodifluoromethane	50.0	37.0		ug/L		74	40 - 159
Ethylbenzene	50.0	42.2		ug/L		84	70 - 123
Hexachlorobutadiene	50.0	57.6		ug/L		115	51 - 150
Isopropylbenzene	50.0	48.0		ug/L		96	70 - 126
Methyl tert-butyl ether	50.0	42.2		ug/L		84	55 - 123
Methylene Chloride	50.0	44.4		ug/L		89	69 - 125
Naphthalene	50.0	37.4		ug/L		75	53 - 144
n-Butylbenzene	50.0	51.0		ug/L		102	68 - 125
N-Propylbenzene	50.0	50.2		ug/L		100	69 - 127
p-Isopropyltoluene	50.0	47.2		ug/L		94	70 - 125
sec-Butylbenzene	50.0	49.2		ug/L		98	70 - 123
Styrene	50.0	45.8		ug/L		92	70 - 120
tert-Butylbenzene	50.0	47.5		ug/L		95	70 - 121
Tetrachloroethene	50.0	54.0		ug/L		108	70 - 128
Toluene	50.0	45.6		ug/L		91	70 - 125
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	42.6		ug/L		85	62 - 128
Trichloroethene	50.0	44.8		ug/L		90	70 - 125
Trichlorofluoromethane	50.0	60.0		ug/L		120	55 - 128
Vinyl chloride	50.0	43.4		ug/L		87	64 - 126
Xylenes, Total	100	96.0		ug/L		96	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: 500-215180-1 MS
Matrix: Water
Analysis Batch: 653427

Client Sample ID: PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	45.4		ug/L		91	70 - 125

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

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

Lab Sample ID: 500-215180-1 MS
Matrix: Water
Analysis Batch: 653427

Client Sample ID: PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<0.38		50.0	51.9		ug/L		104	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	42.8		ug/L		86	62 - 140
1,1,2-Trichloroethane	<0.35		50.0	46.2		ug/L		92	71 - 130
1,1-Dichloroethane	<0.41		50.0	47.6		ug/L		95	70 - 125
1,1-Dichloroethene	<0.39		50.0	49.6		ug/L		99	67 - 122
1,1-Dichloropropene	<0.30		50.0	49.9		ug/L		100	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	47.9		ug/L		96	51 - 145
1,2,3-Trichloropropane	<0.41		50.0	45.0		ug/L		90	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	48.6		ug/L		97	57 - 137
1,2,4-Trimethylbenzene	<0.36		50.0	47.9		ug/L		96	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0		50.0	46.4		ug/L		93	56 - 123
1,2-Dibromoethane	<0.39		50.0	42.1		ug/L		84	70 - 125
1,2-Dichlorobenzene	<0.33		50.0	46.5		ug/L		93	70 - 125
1,2-Dichloroethane	<0.39		50.0	51.5		ug/L		103	68 - 127
1,2-Dichloropropane	<0.43		50.0	44.8		ug/L		90	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	48.1		ug/L		96	70 - 123
1,3-Dichlorobenzene	<0.40		50.0	45.8		ug/L		92	70 - 125
1,3-Dichloropropane	<0.36		50.0	45.6		ug/L		91	62 - 136
1,4-Dichlorobenzene	<0.36		50.0	45.7		ug/L		91	70 - 120
2,2-Dichloropropane	<0.44		50.0	46.9		ug/L		94	58 - 139
2-Chlorotoluene	<0.31		50.0	49.6		ug/L		99	70 - 125
4-Chlorotoluene	<0.35		50.0	49.1		ug/L		98	68 - 124
Benzene	<0.15		50.0	47.6		ug/L		95	70 - 120
Bromobenzene	<0.36		50.0	48.2		ug/L		96	70 - 122
Bromochloromethane	<0.43		50.0	46.7		ug/L		93	65 - 122
Dichlorobromomethane	<0.37		50.0	48.9		ug/L		98	69 - 120
Bromoform	<0.48		50.0	46.2		ug/L		92	56 - 132
Bromomethane	<0.80		50.0	44.6		ug/L		89	40 - 152
Carbon tetrachloride	<0.38		50.0	53.7		ug/L		107	59 - 133
Chlorobenzene	<0.39		50.0	47.0		ug/L		94	70 - 120
Chloroethane	<0.51		50.0	44.6		ug/L		89	48 - 136
Chloroform	<0.37		50.0	47.8		ug/L		96	70 - 120
Chloromethane	<0.32		50.0	36.3		ug/L		73	56 - 152
cis-1,2-Dichloroethene	<0.41		50.0	46.9		ug/L		94	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	45.1		ug/L		90	64 - 127
Dibromochloromethane	<0.49		50.0	45.6		ug/L		91	68 - 125
Dibromomethane	<0.27		50.0	48.1		ug/L		96	70 - 120
Dichlorodifluoromethane	<0.67		50.0	29.8		ug/L		60	40 - 159
Ethylbenzene	<0.18		50.0	42.6		ug/L		85	70 - 123
Hexachlorobutadiene	<0.45		50.0	57.8		ug/L		116	51 - 150
Isopropylbenzene	<0.39		50.0	48.7		ug/L		97	70 - 126
Methyl tert-butyl ether	<0.39		50.0	47.0		ug/L		94	55 - 123
Methylene Chloride	4.0	J	50.0	49.6		ug/L		91	69 - 125
Naphthalene	<0.34		50.0	40.9		ug/L		82	53 - 144
n-Butylbenzene	<0.39		50.0	50.1		ug/L		100	68 - 125
N-Propylbenzene	<0.41		50.0	50.1		ug/L		100	69 - 127
p-Isopropyltoluene	<0.36		50.0	47.5		ug/L		95	70 - 125
sec-Butylbenzene	<0.40		50.0	49.6		ug/L		99	70 - 123
Styrene	<0.39		50.0	45.8		ug/L		92	70 - 120

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

Lab Sample ID: 500-215180-1 MS
Matrix: Water
Analysis Batch: 653427

Client Sample ID: PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	<0.40		50.0	47.4		ug/L		95	70 - 121
Tetrachloroethene	5.0		50.0	56.0		ug/L		102	70 - 128
Toluene	<0.15		50.0	47.1		ug/L		94	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	47.8		ug/L		96	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	44.1		ug/L		88	62 - 128
Trichloroethene	<0.16		50.0	45.7		ug/L		91	70 - 125
Trichlorofluoromethane	<0.43		50.0	56.5		ug/L		113	55 - 128
Vinyl chloride	<0.20		50.0	41.7		ug/L		83	64 - 126
Xylenes, Total	<0.22		100	95.0		ug/L		95	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*
Dibromofluoromethane (Surr)	*105*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: 500-215180-1 MSD
Matrix: Water
Analysis Batch: 653427

Client Sample ID: PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	44.6		ug/L		89	70 - 125	2	20
1,1,1-Trichloroethane	<0.38		50.0	48.4		ug/L		97	70 - 125	7	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	40.8		ug/L		82	62 - 140	5	20
1,1,2-Trichloroethane	<0.35		50.0	45.1		ug/L		90	71 - 130	2	20
1,1-Dichloroethane	<0.41		50.0	45.4		ug/L		91	70 - 125	5	20
1,1-Dichloroethene	<0.39		50.0	47.4		ug/L		95	67 - 122	4	20
1,1-Dichloropropene	<0.30		50.0	46.8		ug/L		94	70 - 121	6	20
1,2,3-Trichlorobenzene	<0.46		50.0	47.9		ug/L		96	51 - 145	0	20
1,2,3-Trichloropropane	<0.41		50.0	39.4		ug/L		79	50 - 133	13	20
1,2,4-Trichlorobenzene	<0.34		50.0	47.8		ug/L		96	57 - 137	2	20
1,2,4-Trimethylbenzene	<0.36		50.0	44.9		ug/L		90	70 - 123	6	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	47.3		ug/L		95	56 - 123	2	20
1,2-Dibromoethane	<0.39		50.0	39.1		ug/L		78	70 - 125	7	20
1,2-Dichlorobenzene	<0.33		50.0	44.6		ug/L		89	70 - 125	4	20
1,2-Dichloroethane	<0.39		50.0	50.9		ug/L		102	68 - 127	1	20
1,2-Dichloropropane	<0.43		50.0	43.0		ug/L		86	67 - 130	4	20
1,3,5-Trimethylbenzene	<0.25		50.0	44.6		ug/L		89	70 - 123	8	20
1,3-Dichlorobenzene	<0.40		50.0	43.9		ug/L		88	70 - 125	4	20
1,3-Dichloropropane	<0.36		50.0	43.7		ug/L		87	62 - 136	4	20
1,4-Dichlorobenzene	<0.36		50.0	44.1		ug/L		88	70 - 120	4	20
2,2-Dichloropropane	<0.44		50.0	45.2		ug/L		90	58 - 139	4	20
2-Chlorotoluene	<0.31		50.0	46.6		ug/L		93	70 - 125	6	20
4-Chlorotoluene	<0.35		50.0	46.5		ug/L		93	68 - 124	5	20
Benzene	<0.15		50.0	46.1		ug/L		92	70 - 120	3	20
Bromobenzene	<0.36		50.0	45.8		ug/L		92	70 - 122	5	20
Bromochloromethane	<0.43		50.0	46.0		ug/L		92	65 - 122	2	20
Dichlorobromomethane	<0.37		50.0	46.7		ug/L		93	69 - 120	5	20

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

Lab Sample ID: 500-215180-1 MSD
Matrix: Water
Analysis Batch: 653427

Client Sample ID: PZ-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	<0.48		50.0	45.4		ug/L		91	56 - 132	2	20
Bromomethane	<0.80		50.0	39.6		ug/L		79	40 - 152	12	20
Carbon tetrachloride	<0.38		50.0	50.6		ug/L		101	59 - 133	6	20
Chlorobenzene	<0.39		50.0	45.0		ug/L		90	70 - 120	4	20
Chloroethane	<0.51		50.0	41.9		ug/L		84	48 - 136	6	20
Chloroform	<0.37		50.0	45.8		ug/L		92	70 - 120	4	20
Chloromethane	<0.32		50.0	34.4		ug/L		69	56 - 152	5	20
cis-1,2-Dichloroethene	<0.41		50.0	46.2		ug/L		92	70 - 125	1	20
cis-1,3-Dichloropropene	<0.42		50.0	41.9		ug/L		84	64 - 127	7	20
Dibromochloromethane	<0.49		50.0	44.0		ug/L		88	68 - 125	4	20
Dibromomethane	<0.27		50.0	46.4		ug/L		93	70 - 120	4	20
Dichlorodifluoromethane	<0.67		50.0	27.1		ug/L		54	40 - 159	10	20
Ethylbenzene	<0.18		50.0	40.3		ug/L		81	70 - 123	5	20
Hexachlorobutadiene	<0.45		50.0	52.6		ug/L		105	51 - 150	9	20
Isopropylbenzene	<0.39		50.0	44.6		ug/L		89	70 - 126	9	20
Methyl tert-butyl ether	<0.39		50.0	44.6		ug/L		89	55 - 123	5	20
Methylene Chloride	4.0	J	50.0	49.0		ug/L		90	69 - 125	1	20
Naphthalene	<0.34		50.0	41.4		ug/L		83	53 - 144	1	20
n-Butylbenzene	<0.39		50.0	45.9		ug/L		92	68 - 125	9	20
N-Propylbenzene	<0.41		50.0	46.5		ug/L		93	69 - 127	7	20
p-Isopropyltoluene	<0.36		50.0	43.4		ug/L		87	70 - 125	9	20
sec-Butylbenzene	<0.40		50.0	45.1		ug/L		90	70 - 123	9	20
Styrene	<0.39		50.0	43.9		ug/L		88	70 - 120	4	20
tert-Butylbenzene	<0.40		50.0	44.3		ug/L		89	70 - 121	7	20
Tetrachloroethene	5.0		50.0	51.3		ug/L		93	70 - 128	9	20
Toluene	<0.15		50.0	44.0		ug/L		88	70 - 125	7	20
trans-1,2-Dichloroethene	<0.35		50.0	46.0		ug/L		92	70 - 125	4	20
trans-1,3-Dichloropropene	<0.36		50.0	42.0		ug/L		84	62 - 128	5	20
Trichloroethene	<0.16		50.0	42.2		ug/L		84	70 - 125	8	20
Trichlorofluoromethane	<0.43		50.0	50.3		ug/L		101	55 - 128	12	20
Vinyl chloride	<0.20		50.0	38.1		ug/L		76	64 - 126	9	20
Xylenes, Total	<0.22		100	91.0		ug/L		91	70 - 125	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*107*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Sample ID: MB 500-653568/7
Matrix: Water
Analysis Batch: 653568

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/27/22 12:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/27/22 12:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/27/22 12:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/27/22 12:05	1

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

Lab Sample ID: MB 500-653568/7
Matrix: Water
Analysis Batch: 653568

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/27/22 12:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/27/22 12:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/27/22 12:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/27/22 12:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/27/22 12:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/27/22 12:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/27/22 12:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/27/22 12:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/27/22 12:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/27/22 12:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/27/22 12:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/27/22 12:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/27/22 12:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/27/22 12:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/27/22 12:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/27/22 12:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/27/22 12:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/27/22 12:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/27/22 12:05	1
Benzene	<0.15		0.50	0.15	ug/L			04/27/22 12:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/27/22 12:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/27/22 12:05	1
Dichlorobromomethane	<0.37		1.0	0.37	ug/L			04/27/22 12:05	1
Bromoform	<0.48		1.0	0.48	ug/L			04/27/22 12:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/27/22 12:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/27/22 12:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/27/22 12:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/27/22 12:05	1
Chloroform	0.577	J	2.0	0.37	ug/L			04/27/22 12:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/27/22 12:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/27/22 12:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/27/22 12:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/27/22 12:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/27/22 12:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/27/22 12:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/27/22 12:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/27/22 12:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/27/22 12:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/27/22 12:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/27/22 12:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/27/22 12:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/27/22 12:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/27/22 12:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/27/22 12:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/27/22 12:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/27/22 12:05	1
Styrene	<0.39		1.0	0.39	ug/L			04/27/22 12:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/27/22 12:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/27/22 12:05	1

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

Lab Sample ID: MB 500-653568/7
Matrix: Water
Analysis Batch: 653568

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.15		0.50	0.15	ug/L			04/27/22 12:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/27/22 12:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/27/22 12:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/27/22 12:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/27/22 12:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/27/22 12:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/27/22 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 126*		*04/27/22 12:05*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*		*04/27/22 12:05*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 120*		*04/27/22 12:05*	*1*
Toluene-d8 (Surr)	*106*		*75 - 120*		*04/27/22 12:05*	*1*

Lab Sample ID: LCS 500-653568/5
Matrix: Water
Analysis Batch: 653568

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	46.3		ug/L		93	70 - 125
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	70 - 125
1,1,2,2-Tetrachloroethane	50.0	48.2		ug/L		96	62 - 140
1,1,2-Trichloroethane	50.0	46.7		ug/L		93	71 - 130
1,1-Dichloroethane	50.0	45.2		ug/L		90	70 - 125
1,1-Dichloroethene	50.0	44.5		ug/L		89	67 - 122
1,1-Dichloropropene	50.0	46.0		ug/L		92	70 - 121
1,2,3-Trichlorobenzene	50.0	49.4		ug/L		99	51 - 145
1,2,3-Trichloropropane	50.0	48.5		ug/L		97	50 - 133
1,2,4-Trichlorobenzene	50.0	46.4		ug/L		93	57 - 137
1,2,4-Trimethylbenzene	50.0	46.6		ug/L		93	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	46.2		ug/L		92	56 - 123
1,2-Dibromoethane	50.0	48.6		ug/L		97	70 - 125
1,2-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 125
1,2-Dichloroethane	50.0	47.2		ug/L		94	68 - 127
1,2-Dichloropropane	50.0	41.6		ug/L		83	67 - 130
1,3,5-Trimethylbenzene	50.0	46.7		ug/L		93	70 - 123
1,3-Dichlorobenzene	50.0	45.5		ug/L		91	70 - 125
1,3-Dichloropropane	50.0	45.8		ug/L		92	62 - 136
1,4-Dichlorobenzene	50.0	44.5		ug/L		89	70 - 120
2,2-Dichloropropane	50.0	47.9		ug/L		96	58 - 139
2-Chlorotoluene	50.0	44.3		ug/L		89	70 - 125
4-Chlorotoluene	50.0	44.0		ug/L		88	68 - 124
Benzene	50.0	45.8		ug/L		92	70 - 120
Bromobenzene	50.0	46.1		ug/L		92	70 - 122
Bromochloromethane	50.0	50.8		ug/L		102	65 - 122
Dichlorobromomethane	50.0	45.3		ug/L		91	69 - 120
Bromoform	50.0	42.9		ug/L		86	56 - 132
Bromomethane	50.0	58.2		ug/L		116	40 - 152

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

Lab Sample ID: LCS 500-653568/5
Matrix: Water
Analysis Batch: 653568

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	47.3		ug/L		95	59 - 133
Chlorobenzene	50.0	45.1		ug/L		90	70 - 120
Chloroethane	50.0	49.6		ug/L		99	48 - 136
Chloroform	50.0	50.6		ug/L		101	70 - 120
Chloromethane	50.0	41.7		ug/L		83	56 - 152
cis-1,2-Dichloroethene	50.0	47.1		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	43.5		ug/L		87	64 - 127
Dibromochloromethane	50.0	46.3		ug/L		93	68 - 125
Dibromomethane	50.0	46.1		ug/L		92	70 - 120
Dichlorodifluoromethane	50.0	45.5		ug/L		91	40 - 159
Ethylbenzene	50.0	45.1		ug/L		90	70 - 123
Hexachlorobutadiene	50.0	42.6		ug/L		85	51 - 150
Isopropylbenzene	50.0	46.7		ug/L		93	70 - 126
Methyl tert-butyl ether	50.0	49.8		ug/L		100	55 - 123
Methylene Chloride	50.0	49.8		ug/L		100	69 - 125
Naphthalene	50.0	49.7		ug/L		99	53 - 144
n-Butylbenzene	50.0	45.8		ug/L		92	68 - 125
N-Propylbenzene	50.0	45.5		ug/L		91	69 - 127
p-Isopropyltoluene	50.0	46.3		ug/L		93	70 - 125
sec-Butylbenzene	50.0	46.7		ug/L		93	70 - 123
Styrene	50.0	46.3		ug/L		93	70 - 120
tert-Butylbenzene	50.0	45.6		ug/L		91	70 - 121
Tetrachloroethene	50.0	44.2		ug/L		88	70 - 128
Toluene	50.0	44.1		ug/L		88	70 - 125
trans-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	44.6		ug/L		89	62 - 128
Trichloroethene	50.0	45.8		ug/L		92	70 - 125
Trichlorofluoromethane	50.0	48.7		ug/L		97	55 - 128
Vinyl chloride	50.0	47.1		ug/L		94	64 - 126
Xylenes, Total	100	87.4		ug/L		87	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane (Surr)	*112*		*75 - 120*
Toluene-d8 (Surr)	*106*		*75 - 120*

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: South Main Street Prop - 193708879

Job ID: 500-215180-1

Client Sample ID: PZ-1
Date Collected: 04/14/22 10:00
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	653427	04/26/22 17:15	PSP	TAL CHI

Client Sample ID: MW-1
Date Collected: 04/14/22 09:00
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	653427	04/26/22 17:38	PSP	TAL CHI

Client Sample ID: PZ-2
Date Collected: 04/14/22 10:25
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	653568	04/27/22 20:49	STW	TAL CHI
Total/NA	Analysis	8260B	DL	20	653427	04/26/22 18:00	PSP	TAL CHI

Client Sample ID: MW-2
Date Collected: 04/14/22 09:35
Date Received: 04/15/22 09:30

Lab Sample ID: 500-215180-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	653427	04/26/22 18:46	PSP	TAL CHI

Laboratory References:
TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corp. Job ID: 500-215180-1
Project/Site: South Main Street Prop - 193708879

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

Eurofins Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax. 708-534-5211

Chain of Custody Record

Environment Testing America

Client Information	Sampler: ENG/MSE	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	500-215180 COC 32 2
Client Contact: Erin Gross	Phone: 608-628-6278	E-Mail: sandra fredrick@eurofinset com	State of Origin: WI	Page: Page 2 of 2
Company: Stantec Consulting Corp	PWSID	Analysis Requested		Job #: 500-215180
Address: 12075 Corporate Pkwy Suite 200	Due Date Requested: Standard			Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify); Other:
City: Mequon	TAT Requested (days): Standard			
State, Zip: WI 53092	Compliance Project: Δ Yes Δ No			
Phone: 608-628-6278	PO #: Add project number here			
Email: erin gross@stantec.com	WO #:			
Project Name: South Main Street Properties	Project #: 50006565			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - VOC	8260B - VOC	8270D - PAH	Total Number of containers	Special Instructions/Note
			Preservation Code:		N	N		A	N		
1 PZ-1	04/14/22	1000	G	Water	N	N		X			
2 MW-1	0900 ↔ 04/14/22		G	Water	N	N		X			
3 PZ-2	04/14/22	1025	G	Water	N	N		X			
4 MW-2	04/14/22	0935	G	Water	N	N		X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: FedEx

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Erin Gross	04/14/2022, 1500	Stantec		4/15-22 0930	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 1.0 → 1.1

Ver 06/08/2021

4/29/2022

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-215180-1

Login Number: 215180
List Number: 1
Creator: James, Jeff A

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-215673-1
Client Project/Site: South Main Street - 193708879

For:
Stantec Consulting Corp.
12075 Corporate Pkwy, Suite 200
Mequon, Wisconsin 53092

Attn: Erin Gross

Authorized for release by:
5/5/2022 10:13:51 AM

Sandie Fredrick, Project Manager II
(920)261-1660
Sandra.Fredrick@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

Job ID: 500-215673-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-215673-1

Comments
No additional comments.

Receipt
The sample was received on 4/27/2022 10:20 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 500-653950 was outside the method criteria for the following analyte(s): Benzo[a]pyrene, Benzo[g,h,i]perylene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 500-653718 and analytical batch 500-653950 recovered outside control limits for the following analytes: 2-Methylnaphthalene, Naphthalene and 1-Methylnaphthalene.

Method 8270D: The following MB contained one base surrogate outside acceptance limits: (MB 500-653718/1-A). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method 8270D: Perylene-d12 Internal standard (ISTD) response for the following sample was outside of acceptance limits: MW-3 (500-215673-1). Analytes associated to this internal standard were non-detect limit; therefore, re-analysis was not performed.

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

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

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

Client Sample ID: MW-3

Lab Sample ID: 500-215673-1

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI

Protocol References:

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

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-215673-1	MW-3	Water	04/26/22 08:00	04/27/22 10:20

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

Client Sample ID: MW-3
Date Collected: 04/26/22 08:00
Date Received: 04/27/22 10:20

Lab Sample ID: 500-215673-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25	*1	1.7	0.25	ug/L		04/27/22 15:59	04/29/22 22:15	1
2-Methylnaphthalene	<0.054	*1	1.7	0.054	ug/L		04/27/22 15:59	04/29/22 22:15	1
Acenaphthene	<0.26		0.83	0.26	ug/L		04/27/22 15:59	04/29/22 22:15	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		04/27/22 15:59	04/29/22 22:15	1
Anthracene	<0.28		0.83	0.28	ug/L		04/27/22 15:59	04/29/22 22:15	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		04/27/22 15:59	04/29/22 22:15	1
Benzo[a]pyrene	<0.082	*3	0.17	0.082	ug/L		04/27/22 15:59	04/29/22 22:15	1
Benzo[b]fluoranthene	<0.067	*3	0.17	0.067	ug/L		04/27/22 15:59	04/29/22 22:15	1
Benzo[g,h,i]perylene	<0.31	*3	0.83	0.31	ug/L		04/27/22 15:59	04/29/22 22:15	1
Benzo[k]fluoranthene	<0.053	*3	0.17	0.053	ug/L		04/27/22 15:59	04/29/22 22:15	1
Chrysene	<0.056		0.17	0.056	ug/L		04/27/22 15:59	04/29/22 22:15	1
Dibenz(a,h)anthracene	<0.042	*3	0.25	0.042	ug/L		04/27/22 15:59	04/29/22 22:15	1
Fluoranthene	<0.37		0.83	0.37	ug/L		04/27/22 15:59	04/29/22 22:15	1
Fluorene	<0.20		0.83	0.20	ug/L		04/27/22 15:59	04/29/22 22:15	1
Indeno[1,2,3-cd]pyrene	<0.062	*3	0.17	0.062	ug/L		04/27/22 15:59	04/29/22 22:15	1
Naphthalene	<0.26	*1	0.83	0.26	ug/L		04/27/22 15:59	04/29/22 22:15	1
Phenanthrene	<0.25		0.83	0.25	ug/L		04/27/22 15:59	04/29/22 22:15	1
Pyrene	<0.35		0.83	0.35	ug/L		04/27/22 15:59	04/29/22 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*46*		*34 - 110*	*04/27/22 15:59*	*04/29/22 22:15*	*1*
Nitrobenzene-d5 (Surr)	*39*		*36 - 120*	*04/27/22 15:59*	*04/29/22 22:15*	*1*
Terphenyl-d14 (Surr)	*103*		*40 - 145*	*04/27/22 15:59*	*04/29/22 22:15*	*1*

Definitions/Glossary

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
*3	ISTD response or retention time outside acceptable limits.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

GC/MS Semi VOA

Prep Batch: 653718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215673-1	MW-3	Total/NA	Water	3510C	
MB 500-653718/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-653718/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-653718/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 653950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-653718/1-A	Method Blank	Total/NA	Water	8270D	653718
LCS 500-653718/2-A	Lab Control Sample	Total/NA	Water	8270D	653718
LCSD 500-653718/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	653718

Analysis Batch: 654009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215673-1	MW-3	Total/NA	Water	8270D	653718

Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(34-110)	(36-120)	(40-145)
500-215673-1	MW-3	46	39	103
LCS 500-653718/2-A	Lab Control Sample	76	75	103
LCSD 500-653718/3-A	Lab Control Sample Dup	83	74	108
MB 500-653718/1-A	Method Blank	109	89	154 S1+

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-653718/1-A
Matrix: Water
Analysis Batch: 653950

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		04/27/22 15:59	04/29/22 12:19	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		04/27/22 15:59	04/29/22 12:19	1
Acenaphthene	<0.25		0.80	0.25	ug/L		04/27/22 15:59	04/29/22 12:19	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		04/27/22 15:59	04/29/22 12:19	1
Anthracene	<0.27		0.80	0.27	ug/L		04/27/22 15:59	04/29/22 12:19	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		04/27/22 15:59	04/29/22 12:19	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		04/27/22 15:59	04/29/22 12:19	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		04/27/22 15:59	04/29/22 12:19	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		04/27/22 15:59	04/29/22 12:19	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		04/27/22 15:59	04/29/22 12:19	1
Chrysene	<0.055		0.16	0.055	ug/L		04/27/22 15:59	04/29/22 12:19	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		04/27/22 15:59	04/29/22 12:19	1
Fluoranthene	<0.36		0.80	0.36	ug/L		04/27/22 15:59	04/29/22 12:19	1
Fluorene	<0.20		0.80	0.20	ug/L		04/27/22 15:59	04/29/22 12:19	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		04/27/22 15:59	04/29/22 12:19	1
Naphthalene	<0.25		0.80	0.25	ug/L		04/27/22 15:59	04/29/22 12:19	1
Phenanthrene	<0.24		0.80	0.24	ug/L		04/27/22 15:59	04/29/22 12:19	1
Pyrene	<0.34		0.80	0.34	ug/L		04/27/22 15:59	04/29/22 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*109*		*34 - 110*	*04/27/22 15:59*	*04/29/22 12:19*	*1*
Nitrobenzene-d5 (Surr)	*89*		*36 - 120*	*04/27/22 15:59*	*04/29/22 12:19*	*1*
Terphenyl-d14 (Surr)	*154*	*S1+*	*40 - 145*	*04/27/22 15:59*	*04/29/22 12:19*	*1*

Lab Sample ID: LCS 500-653718/2-A
Matrix: Water
Analysis Batch: 653950

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	32.0	19.8		ug/L		62	38 - 110
2-Methylnaphthalene	32.0	19.7		ug/L		61	34 - 110
Acenaphthene	32.0	22.7		ug/L		71	46 - 110
Acenaphthylene	32.0	24.9		ug/L		78	47 - 113
Anthracene	32.0	30.4		ug/L		95	67 - 118
Benzo[a]anthracene	32.0	29.8		ug/L		93	70 - 126
Benzo[a]pyrene	32.0	31.9		ug/L		100	70 - 135
Benzo[b]fluoranthene	32.0	28.2		ug/L		88	69 - 136
Benzo[g,h,i]perylene	32.0	31.1		ug/L		97	70 - 135
Benzo[k]fluoranthene	32.0	31.0		ug/L		97	70 - 133
Chrysene	32.0	30.1		ug/L		94	68 - 129
Dibenz(a,h)anthracene	32.0	31.7		ug/L		99	70 - 134
Fluoranthene	32.0	30.6		ug/L		96	68 - 126
Fluorene	32.0	25.0		ug/L		78	53 - 120
Indeno[1,2,3-cd]pyrene	32.0	34.6		ug/L		108	65 - 133
Naphthalene	32.0	20.1		ug/L		63	36 - 110
Phenanthrene	32.0	29.4		ug/L		92	65 - 120
Pyrene	32.0	29.5		ug/L		92	70 - 126

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-653718/2-A
Matrix: Water
Analysis Batch: 653950

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653718

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	76		34 - 110
Nitrobenzene-d5 (Surr)	75		36 - 120
Terphenyl-d14 (Surr)	103		40 - 145

Lab Sample ID: LCSD 500-653718/3-A
Matrix: Water
Analysis Batch: 653950

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 653718

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			32.0	15.7	*1	ug/L		49	38 - 110	23	20
2-Methylnaphthalene			32.0	15.4	*1	ug/L		48	34 - 110	24	20
Acenaphthene			32.0	21.3		ug/L		67	46 - 110	6	20
Acenaphthylene			32.0	23.5		ug/L		73	47 - 113	6	20
Anthracene			32.0	31.4		ug/L		98	67 - 118	3	20
Benzo[a]anthracene			32.0	32.3		ug/L		101	70 - 126	8	20
Benzo[a]pyrene			32.0	34.6		ug/L		108	70 - 135	8	20
Benzo[b]fluoranthene			32.0	30.7		ug/L		96	69 - 136	8	20
Benzo[g,h,i]perylene			32.0	33.0		ug/L		103	70 - 135	6	20
Benzo[k]fluoranthene			32.0	32.9		ug/L		103	70 - 133	6	20
Chrysene			32.0	32.8		ug/L		102	68 - 129	8	20
Dibenz(a,h)anthracene			32.0	33.3		ug/L		104	70 - 134	5	20
Fluoranthene			32.0	32.5		ug/L		101	68 - 126	6	20
Fluorene			32.0	25.2		ug/L		79	53 - 120	1	20
Indeno[1,2,3-cd]pyrene			32.0	37.3		ug/L		117	65 - 133	7	20
Naphthalene			32.0	16.2	*1	ug/L		51	36 - 110	21	20
Phenanthrene			32.0	30.7		ug/L		96	65 - 120	4	20
Pyrene			32.0	31.5		ug/L		98	70 - 126	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	83		34 - 110
Nitrobenzene-d5 (Surr)	74		36 - 120
Terphenyl-d14 (Surr)	108		40 - 145

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: South Main Street - 193708879

Job ID: 500-215673-1

Client Sample ID: MW-3
Date Collected: 04/26/22 08:00
Date Received: 04/27/22 10:20

Lab Sample ID: 500-215673-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			653718	04/27/22 15:59	DAK	TAL CHI
Total/NA	Analysis	8270D		1	654009	04/29/22 22:15	JSB	TAL CHI

Laboratory References:

TAL CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Stantec Consulting Corp.
Job ID: 500-215673-1
Project/Site: South Main Street - 193708879

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-22

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: ENG	Lab PM: ~~Knapp, Jim D~~ Sandie Fredrick	Carrier Tracking No(s):	COC No: 500-77051-35758 1
Client Contact: Erin Gross	Phone: 608 628 6278	E-Mail: sandra.fredrick@et eurofinsus.com ~~jim.knapp@testamericainc.com~~		Page: Page 1 of ~~4~~ 1
Company: Stantec Consulting Corp				Job #: 500-215673
Address: 12075 Corporate Pkwy Suite 200	Due Date Requested: Standard			
City: Mequon	TAT Requested (days): Standard			
State Zip: WI 53092				
Phone: 608 628 6278	PO #: ~~19370e709~~ 193708879			
Email: erin.gross@stantec.com	WO #:			
Project Name: ~~139 N West Ave~~ South Main Street	Project #: ~~500T6904~~			
Site:	SSOW#:			

500-215673 COC

Analysis Requested

Preservation Codes

A HCL	M Hexane		
B NaOH	N None		
C Zn Acetate	O AsNaO2		
D Nitric Acid	P Na2O4S		
E NaHSO4	Q Na2SO3		
F MeOH	R Na2S2O3		
G Amchlor	S H2SO4		
H Ascorbic Acid	T TSP Dodecahydrate		
I Ice	U Acetone		
J DI Water	V MCAA		
K EDTA	W pH 4-5		
L EDA	Z other (specify)		

Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PAH	Total Number of containers	Special Instructions/Note
			Preservation Code				N		
1 MW-3	4/26/22	8:00	G	~~Solid~~ Water	N	N	X		
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					
				Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Erin Gross	4/26/22, 13:45	Stantec	Paula Buckley	4/27/22 1020	EEDA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		3.6 → 2.0

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 500-215673-1

Login Number: 215673
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C – WELL CONSTRUCTION AND WELL DEVELOPMENT FORMS

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
South Main Street Property	Washington	PZ-1
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	67	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other peristaltic	☒ ___

3. Time spent developing well 125 min.

4. Depth of well (from top of well casisng) 24.5 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing N/A gal.

7. Volume of water removed from well 11.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added N/A

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.14 ft.	_____ ft.
Date	b. 04/12/2022 (m m d d y y y y)	04/12/2022 (m m d d y y y y)
Time	c. 09:35 ☒ a.m. ☐ p.m.	11:40 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	N/A inches	N/A inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) tan	Clear ☒ 20 Turbid ☐ 25 (Describe) some sediment on the bottom that could not be removed

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	N/A mg/l	_____ mg/l
15. COD	N/A mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Erin Last Name: Gross
Firm: Stantec

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: John Last Name: Griffin
Facility/Firm: City of Hartford
Street: 109 N. Main St
City/State/Zip: Hartford, WI 53027

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Erin G
Print Name: Erin Gross
Firm: Stantec

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: South Main Street Property	Local Grid Location of Well ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	Well Name: PZ-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 31' 73" Long. -88° 37' 88" or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 04 / 11 / 2022 (m m d d y y y y)
Type of Well Well Code ____ / ____	Section Location of Waste/Source NW 1/4 of SW 1/4 of Sec. 21, T. 10 N, R. 18 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Erin Cross, Stantec
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ MSL

B. Well casing, top elevation 981.25 ft. MSL

C. Land surface elevation 982.10 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☒ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☒ Yes ☐ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☒ Geoprobe

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required): N/A

E. Bentonite seal, top _____ ft. MSL or 0 ft.

F. Fine sand, top _____ ft. MSL or 19.0 ft.

G. Filter pack, top _____ ft. MSL or 19.5 ft.

H. Screen joint, top _____ ft. MSL or 19.5 ft.

I. Well bottom _____ ft. MSL or 24.5 ft.

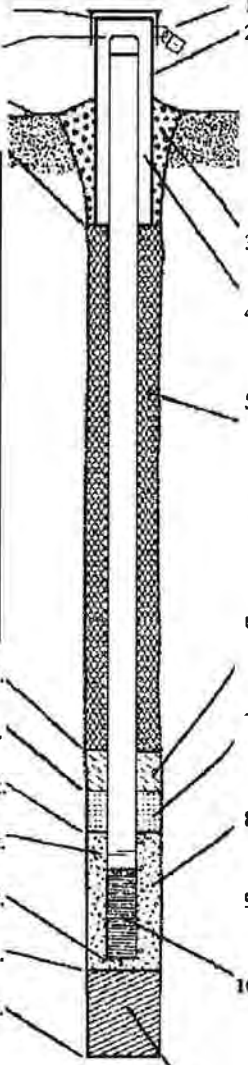
J. Filter pack, bottom _____ ft. MSL or 24.5 ft.

K. Borehole, bottom _____ ft. MSL or 25.0 ft.

L. Borehole, diameter 4.25 in.

M. O.D. well casing 2.5 in.

N. I.D. well casing 2 in.



1. Cap and lock? ☒ Yes

2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: _____ ft.
c. Material: SCH 40 PVC — Steel ☐ 04; Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: 3/8 Chip — Bentonite ☒ 30; Concrete ☐ 01; Other ☐

4. Material between well casing and protective pipe: 3/8 Chip — Bentonite ☒ 30; Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. #15
b. Volume added 1/3 bag

8. Filter pack material: Manufacturer, product name & mesh size
a. #40
b. Volume added 3 bags

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ _____

10. Screen material: PVC SCH 40
a. Screen type: Factory cut ☐ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer _____
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter pack): #15 Sand — None ☐ 14; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Erin M Firm: Stantec

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
South Main Street Property	Washington	PZ-2
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	67	_____ / ___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other peristaltic	☒ ___

3. Time spent developing well __30 min.

4. Depth of well (from top of well casisng) __24.4 ft.

5. Inside diameter of well __2.00 in.

6. Volume of water in filter pack and well casing __N/A gal.

7. Volume of water removed from well __5.0 gal.

8. Volume of water added (if any) __N/A gal.

9. Source of water added N/A

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __8.01 ft.	____.__ ft.
Date	b. 04/13/2022 (m m d d y y y y)	04/13/2022 (m m d d y y y y)
Time	c. 08:10 ☒ a.m. ☐ p.m.	08:40 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	unknown inches	__.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	__N/A.__ mg/l	____.__ mg/l
15. COD	____N/A.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Erin Last Name: Gross
Firm: Stantec

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: John Last Name: Griffin
Facility/Firm: City of Hartford
Street: 109 N. Main St
City/State/Zip: Hartford WI 53027

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Erin Gross
Print Name: Erin Gross
Firm: Stantec

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: South Main Street Property	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: PZ-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 21' 33" Long. -88° 37' 8.5" or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 04/12/2022 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 21 T. 10 N, R. 18 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Erin Gross / Stantec
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation 982.90 ft. MSL

C. Land surface elevation 983.34 ft. MSL

D. Surface seal, bottom ____ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
GP ☒ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☒ Yes ☐ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☐ ____
Geoprobe

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ____

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top ____ ft. MSL or 0 ft.

F. Fine sand, top ____ ft. MSL or 18.9 ft.

G. Filter pack, top ____ ft. MSL or 19.4 ft.

H. Screen joint, top ____ ft. MSL or 19.4 ft.

I. Well bottom ____ ft. MSL or 24.4 ft.

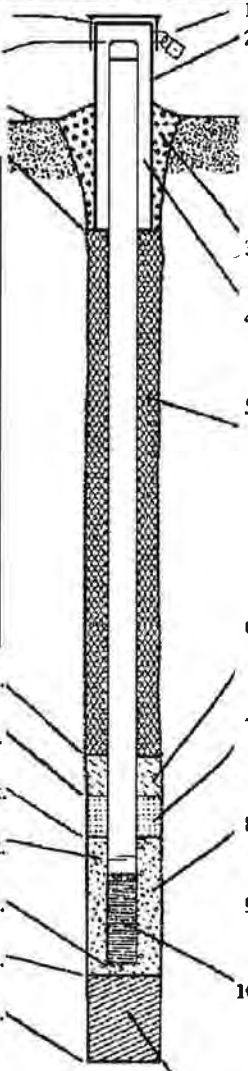
J. Filter pack, bottom ____ ft. MSL or 24.4 ft.

K. Borehole, bottom ____ ft. MSL or 24.9 ft.

L. Borehole, diameter 4.25 in.

M. O.D. well casing 2.5 in.

N. I.D. well casing 2 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: ____ ft.
c. Material: SCH 40 PVC — Steel ☐ 04 / Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____

3. Surface seal: 3/8 chip — Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ____

4. Material between well casing and protective pipe:
3/8 chip — Bentonite ☒ 30 / Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. #15
b. Volume added 1/3 bag

8. Filter pack material: Manufacturer, product name & mesh size
a. #40
b. Volume added 3 bags

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ____

10. Screen material: PVC SCH 40
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ____
b. Manufacturer ____
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter pack): #15 Sand — None ☐ 14 / Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Erin Gross | Firm: Stantec

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
South main Street Property	Washington	MW-1
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well ID Number**
	67	_____	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other peristaltic	☒ ___

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 14.6 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing unknown gal.

7. Volume of water removed from well 5.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added N/A

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.22 ft.	____.__ ft.
Date	b. 04/11/2022 (m m d d y y y y)	04/11/2022 (m m d d y y y y)
Time	c. 11:15 ☒ a.m. ☐ p.m.	12:00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	N/A inches	N/A inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	N/A mg/l	N/A mg/l
15. COD	N/A mg/l	N/A mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Erin Last Name: Gross
Firm: Stantec

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: John Last Name: Griffin
Facility/Firm: City of Hartford
Street: 109 N. Main St.
City/State/Zip: Hartford, WI,

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Erin Gross
Print Name: Erin Gross
Firm: Stantec

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: South Main Street Property	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. 43° 31' 73" Long. -88° 37' 88" or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 04/11/2022 (m m d d y y y y)
Type of Well: Well Code ____/____	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 21 T. 10 N, R. 18 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Erin Cross / Stantec
Distance from Waste/Source _____ ft.	Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 981.29 ft. MSL
C. Land surface elevation 982.14 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☒ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

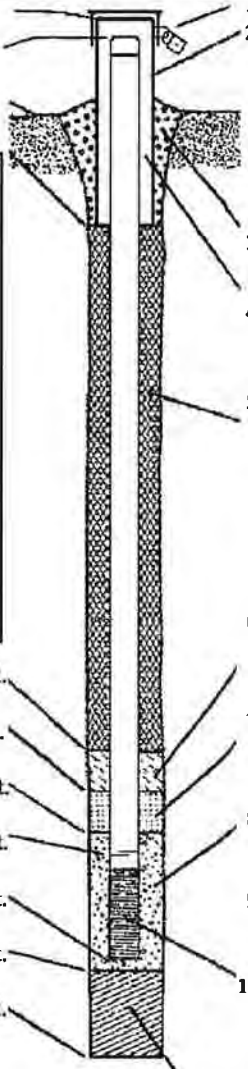
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Geoprobe Other ☒ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 0 ft.
F. Fine sand, top _____ ft. MSL or 3.6 ft.
G. Filter pack, top _____ ft. MSL or 4.1 ft.
H. Screen joint, top _____ ft. MSL or 4.1 ft.
I. Well bottom _____ ft. MSL or 14.1 ft.
J. Filter pack, bottom _____ ft. MSL or 14.1 ft.
K. Borehole, bottom _____ ft. MSL or 14.6 ft.
L. Borehole, diameter 4.25 in.
M. O.D. well casing 2.5 in.
N. I.D. well casing 2 in.



1. Cap and lock? ☒ Yes
2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: ____ ft.
c. Material: SCH 40 PVC Steel ☐ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: 3/8 Chip Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ____
4. Material between well casing and protective pipe: 3/8 Chip Bentonite ☒ 30 Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. #15
b. Volume added 1/3 bag
8. Filter pack material: Manufacturer, product name & mesh size
a. #40
b. Volume added 6 bags
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: PVC SCH 40
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer _____
c. Slot size: 0.10 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): #15 Sand None ☐ 14 Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Erin M Firm: Stantec

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
South Main Street Property	Washington	MW-2
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	67	_____ / ___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other peristaltic	☒

3. Time spent developing well 40 min.

4. Depth of well (from top of well casisng) 143 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing N/A gal.

7. Volume of water removed from well 5.0 gal.

8. Volume of water added (if any) N/A gal.

9. Source of water added N/A

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 7.66 ft.	____.__ ft.
Date	b. 04/13/2022 (m m d d y y y y)	04/13/2022 (m m d d y y y y)
Time	c. 10:05 ☒ a.m. ☐ p.m.	10:45 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	N/A inches	____.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids N/A mg/l ____.__ mg/l

15. COD N/A mg/l ____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Erin Last Name: Gross
Firm: Stantec

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: John Last Name: Griffin
Facility/Firm: City of Hartford
Street: 109 N. Main St.
City/State/Zip: Hartford, WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Erin Gross
Print Name: Erin Gross
Firm: Stantec

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

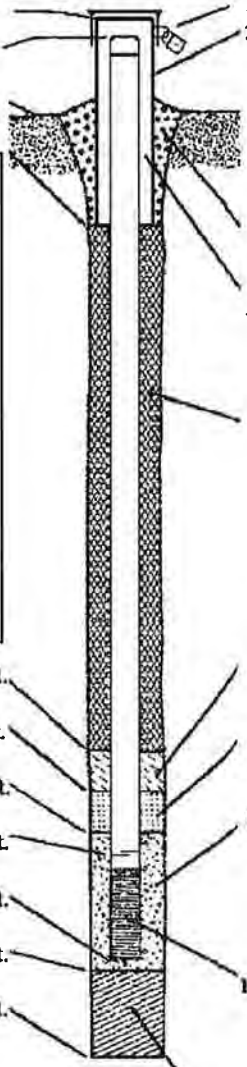
Facility/Project Name: South Main Street Property
Facility License, Permit or Monitoring No.:
Facility ID: _____
Type of Well — Well Code _____ / _____
Distance from Waste/Source _____ ft. | Enf. Stds. Apply ☐

Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.
Local Grid Origin ☐ (estimated: ☐) or Well Location ☐
Lat. 43° 21' 33" Long. 88° 37' 85" or
St. Plane _____ ft. N, _____ ft. E. S/C/N
Section Location of Waste/Source
NW 1/4 of SW 1/4 of Sec. 21 T. 10 N. R. 18 ☒E ☐W
Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known
Gov. Lot Number: _____

Well Name: MW-2
Wis. Unique Well No.: _____ DNR Well ID No.: _____
Date Well Installed: 04/12/2022 (m m d d y y y y)
Well Installed By: Name (first, last) and Firm
Erin Gross
Stantec

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation 982.41 ft. MSL
C. Land surface elevation 983.34 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☒ GM ☐ GC ☐ GW ☒ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐
13. Sieve analysis performed? ☐ Yes ☒ No
14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Geoprobe Other ☒ ____
15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe N/A
17. Source of water (attach analysis, if required):



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 2 in.
b. Length: _____ ft.
c. Material: SCH 40 PVC — Steel ☐ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: 3/8 chip — Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ____
4. Material between well casing and protective pipe: 3/8 chip — Bentonite ☒ 30 Other ☐ ____
5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. #15
b. Volume added 1/3 bag mix
8. Filter pack material: Manufacturer, product name & mesh size
a. #40
b. Volume added 6 bags mix
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: PVC SCH 40
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer _____
c. Slot size: 0.10 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): #15 Sand — None ☐ 14 Other ☐ ____

E. Bentonite seal, top _____ ft. MSL or 0 ft.
F. Fine sand, top _____ ft. MSL or 3.8 ft.
G. Filter pack, top _____ ft. MSL or 4.3 ft.
H. Screen joint, top _____ ft. MSL or 4.3 ft.
I. Well bottom _____ ft. MSL or 14.3 ft.
J. Filter pack, bottom _____ ft. MSL or 14.3 ft.
K. Borehole, bottom _____ ft. MSL or 14.8 ft.
L. Borehole, diameter 4.25 in.
M. O.D. well casing 2.5 in.
N. I.D. well casing 2 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Erin Gross Firm: Stantec

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
South Main Street Property	Washington	MW-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	67	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other peristaltic	☒ ___

3. Time spent developing well 20 min.

4. Depth of well (from top of well casisng) 14.6 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing N/A gal.

7. Volume of water removed from well 1.5 gal.

8. Volume of water added (if any) N/A gal.

9. Source of water added N/A

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 13.66 ft.	____.__ ft.
Date	b. 04/14/2022 (m m d d y y y y)	04/14/2022 (m m d d y y y y)
Time	c. 10:55 ☒ a.m. ☐ p.m.	11:15 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	unknown inches	__.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe) slightly turbid

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	N/A mg/l	____.__ mg/l
15. COD	N/A mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Erin Last Name: Gross
Firm: Stantec

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: John Last Name: Griffin
Facility/Firm: City of Hartford
Street: 109 N. State St.
City/State/Zip: Hartford WI

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Erin Gross
Print Name: Erin Gross
Firm: Stantec

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: South Main Street Property
Facility License, Permit or Monitoring No.:
Facility ID: _____
Type of Well — Well Code ____/____
Distance from Waste/Source ____ ft. | Enf. Stds. Apply ☐

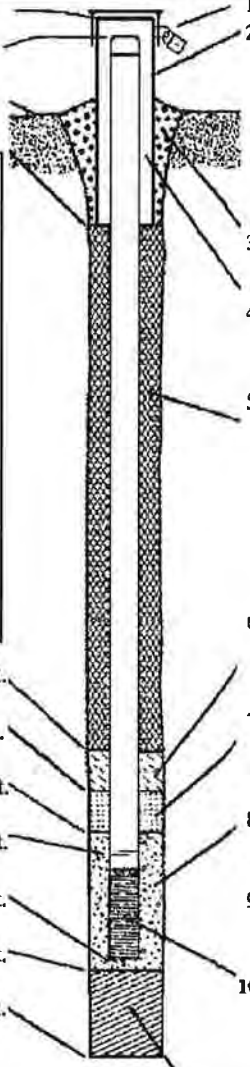
Local Grid Location of Well ☐ N. ____ ft. ☐ S. ____ ft. ☐ E. ☐ W.
Local Grid Origin ☐ (estimated: ☐) or Well Location ☒
Lat. 43° 31' 72" Long. -88° 37' 81" or
St. Plane ____ ft. N, ____ ft. E. S/C/N
Section Location of Waste/Source
NW 1/4 of SW 1/4 of Sec. 21 T. 10 N, R. 18 ☒ E ☐ W
Location of Well Relative to Waste/Source: u ☒ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known
Gov. Lot Number: _____

Well Name: MW-3
Wis. Unique Well No.: _____ DNR Well ID No.: _____
Date Well Installed: 8/14/2022 (m m d d y y y y)
Well Installed By: Name (first, last) and Firm: Erin Gross / Stantec

A. Protective pipe, top elevation _____ MSL
B. Well casing, top elevation 995.06 ft. MSL
C. Land surface elevation 995.91 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☒ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CH ☐
Bedrock ☐
13. Sieve analysis performed? ☐ Yes ☒ No
14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger ☒ 41 Other ☒ Geoprobe
15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe _____
17. Source of water (attach analysis, if required): N/A

E. Bentonite seal, top _____ ft. MSL or 0 ft.
F. Fine sand, top _____ ft. MSL or 4.1 ft.
G. Filter pack, top _____ ft. MSL or 4.6 ft.
H. Screen joint, top _____ ft. MSL or 4.6 ft.
I. Well bottom _____ ft. MSL or 14.6 ft.
J. Filter pack, bottom _____ ft. MSL or 14.6 ft.
K. Borehole, bottom _____ ft. MSL or 15.1 ft.
L. Borehole, diameter 4.25 in.
M. O.D. well casing 2.5 in.
N. I.D. well casing 2 in.



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If yes, describe: _____
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4. Material between well casing and protective pipe: 3/8 chip — Bentonite ☒ 30 Other ☐
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b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. #15
b. Volume added 1/3 bag
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a. #40
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b. Manufacturer _____
c. Slot size: 0.10 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): #15 — None ☐ 14 Other ☐

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