PERIODIC REVIEW REPORT

BROWNFIELD CLEANUP PROGRAM
WARD STREET SITE (SITE NO. C828117) and
8-28 WARD STREET (SITE NO. C828136)

December 15, 2021

Prepared on behalf of:

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1.0 INTRODUCTION AND OVERVIEW

Stantec Consulting Services Inc. (Stantec) has prepared this Periodic Review Report (PRR) and the attached Institutional Control/Engineering Control (IC/EC) forms (Appendix A) to summarize Site Management (SM) activities at the contiguous Ward Street and 8-28 Ward Street Brownfield Cleanup Program sites (the Sites) for the period November 15, 2020 to November 15, 2021.

The PRR was prepared on behalf of Germanow-Simon Corporation (Germanow-Simon), the owner of the Sites, to fulfill the PRR requirements of the Brownfield Cleanup Program (BCP) of the New York State Department of Environmental Conservation (NYSDEC or Department). The Ward Street Site is identified by NYSDEC as BCP Site No. C828117. The 8-28 Ward Street Site is identified as BCP Site No. C828136.

The Sites are located in the City of Rochester, Monroe County, New York along the north side of Ward Street between the intersection of Ward Street with St. Paul Street on the southwest and Emmett Street on the northeast. A map showing the locations of the Sites is presented on Figure 1.

1.1 SUMMARY OF SITE CONTAMINATION AND REMEDIAL HISTORY

Germanow-Simon and the Department agreed to pursue a program of environmental investigation and cleanup activities at the Sites to address past releases of industrial and dry-cleaning solvents and petroleum products that resulted in subsurface contamination by volatile organic compounds (VOCs). The BCP activities led to the implementation of a Multi-Phase Vacuum Extraction (MPVE) cleanup system for the Sites. MPVE is a contaminant remediation technology that uses a vacuum pump and extraction wells to simultaneously remove VOCs from subsurface soils, soil vapor and groundwater. The layout of the former MPVE system is provided in Figure 2 (Well Locations).

Construction, installation, and commissioning events of the MPVE system at the Ward Street Site were completed in October 2006. The 8-28 Ward Street Site component of the MPVE system was added in October 2008. With NYSDEC approval, the MPVE system was shut down on February 22, 2011 and has not been restarted since that time. At that time, the previously installed sub-slab depressurization system (SSDS) beneath the Building B Annex Area was reactivated (as it had been during previous sampling or MPVE maintenance-related shut-down periods).

In accordance with the NYSDEC-approved *Remedial Program Supplement, Enhanced Reductive Dechlorination Work Plan*, dated March 2011 (Stantec, 2011) and NYSDEC's November 14, 2011 approval letter, an *in-situ* bioremediation groundwater polishing program was initiated in November/December 2011. This was followed by a supplemental injection program for Enhanced Reductive Dechlorination (ERD), which was proposed in correspondence dated October 2012, approved by NYSDEC on November 6, 2012, and conducted in November 2012. The results of that event were summarized in Stantec's December 21, 2012 *Enhanced Reductive Dechlorination Supplemental Injection Program Summary Repor*t.

Because groundwater in the former Lilac Laundry area was found to meet the Department's groundwater quality standards (refer to *Ward Street Site Semi-Annual Progress Report #8, Ward Street Site (Site #C828117) and 8-28 Ward Street Site (Site #C828136), Rochester, New York* (Stantec, February 2011), and in preparation for site improvements, and with NYSDEC approval, the following wells were

decommissioned in October 2011 at the Ward Street Site: MW-3, -5, -9, -9R, -20, -21, -32, -213, -214, -215, -216, -217, -218, and -219. In addition, since no significant groundwater impacts were present on the 8-28 Ward Street Site, and in preparation for site improvements, and with NYSDEC approval, the following wells were decommissioned in October 2011 at the 8-28 Ward Street Site: GQ1/MW-1, GQ2/MW-2, GQ4/MW-4, GQ8/MW-5, MW-19, -45, -46, -46R, and -47.

The results of the groundwater sampling event conducted in October 2013 indicated that significant dissolved-phase VOC reduction had occurred within the treatment area. Based on this observed reduction since the commencement of remedial measures, and the continued success of the ERD process, it was proposed in the 2015 PRR to: (1) discontinue the ERD groundwater treatment program; (2) reduce the number of wells that are monitored; (3) reduce the number of analytes that are monitored; and (4) reduce the frequency of monitoring. The PRR proposed that an annual groundwater sampling event be performed involving wells MW-16, -16R, -23, -23R, -105, -207R with analysis for VOCs by USEPA Method 8260 and total organic carbon (TOC) by USEPA Method 5310. This revised sampling and analysis approach was accepted in the NYSDEC February 4, 2016 letter to Germanow-Simon; a copy of the letter was included in Appendix B of the 2016 PRR.

The results of the annual groundwater sampling event completed in June 2015 showed that anaerobic and reducing geochemical conditions had been maintained at the wells sampled. Results at wells MW-16 and -23R indicated that the “parent” compounds tetrachloroethylene (PCE) and trichloroethylene (TCE) were below detection limits. Concentrations of daughter products at MW-16 had increased, suggesting that degradation was progressing but was incomplete. The only contaminant of concern detected at MW-23R was cis-dichloroethylene (cis-DCE) and the concentration was below the groundwater standard for that compound. Decreased concentrations were observed for all contaminants of concern at MW-105. However, increases in contaminants of concern were observed at MW-16R, -23, and -207R. After discussion with NYSDEC, it was proposed to complete another round of groundwater monitoring at these six wells in the spring of 2016 to assess the progress of the ERD process.

The groundwater parameters measured in the field during the March 2016 sampling event indicated that anaerobic and reducing geochemical conditions had been maintained or improved since 2015 at all sampled wells. This indicated that the ERD injection performed in November 2012 continued to promote an environment suitable for the breakdown of chlorinated VOCs. Measured groundwater parameters are provided on Table 2. The VOC data (Table 1) indicated that ERD continued under, and downgradient from, the Building B Annex shipping/receiving area. Low and decreasing concentrations of parent VOC compounds, PCE and TCE, were observed in MW-105; and only ‘daughter’ products, cis- and trans-1,2-Dichloroethene (DCE) and vinyl chloride (VC), were observed downgradient at wells MW-16 and -16R. VOC concentrations at downgradient well MW-207R remained generally similar to those observed during the previous round of groundwater sampling in June 2015 with only “daughter” VOC compounds detected.

In 2016, favorable conditions at the 8-28 Ward Street Site were maintained within the bedrock zone as VOC concentrations were at or below laboratory detection limits for all compounds at MW-23R. The results from MW-23, however, showed increases in PCE and TCE concentrations compared to levels observed prior to the initial injection activities. The increases in the concentrations of parent compounds were indicative of additional residual source material that had not been effectively treated by past remedial efforts in the area of MW-23. The groundwater results were forwarded to the Department on April 14, 2016 (Appendix B of the 2016 PRR).

Following discussion with the Department, Stantec performed a two-day Geoprobe investigation (May 23-24, 2016) to investigate the potential source and extent of impacted soil in the vicinity of MW-23 which was contributing to the groundwater results. The investigation was summarized in the 2016 PRR; based on the results, Stantec recommended performing an on-Site remedial excavation of source material. This remedial approach would be supplemented with the placement in the excavation of sodium lactate as an electron-donor to further facilitate the breakdown of residual contamination in groundwater within, and downgradient of the source area. The results of the soil boring program and the recommended remedial approach were proposed to the Department both in correspondence dated October 27, 2016 and the December 15, 2016 PRR. Included as a part of the remedial approach set forth in the 2016 PRR, the next groundwater monitoring event was proposed to be completed three months after completion of the excavation program.

As detailed in the December 2017 PRR, a relatively small, supplemental excavation of TCE-impacted source-area soils was performed in October 2017 on the southern boundary of the 8-28 Ward Street site, immediately north of Ward Street. An application of sodium lactate was placed in the excavation prior to backfill to facilitate *in situ* bioremediation via ERD of residual groundwater impacts. Due to the timing of the excavation program, and the commitment to conduct the next groundwater monitoring event three months after completion of the excavation program, no groundwater monitoring was performed in 2017. Instead, it was performed in January 2018 with a second annual round occurring in October 2018.

The January and October 2018 groundwater monitoring results indicated PCE concentrations decreased in MW-23, with the October results dropping to their lowest level since 2013, while MW-23R remained essentially non-detect. In the other wells, variation in VOC levels were noted; however, the concentrations of the parent VOCs TCE and PCE remained generally low to non-detect, and the presence of daughter compounds cis-1,2-DCE and VC were indicative that ERD continued to occur.

Monitoring results from the next year's event demonstrated that some of the VOCs present in each sampled well decreased between October 2018 and October 2019. Any increases in VOC concentrations observed were relatively small in magnitude and these concentrations remained well below any historic highs. No significant "spikes" were observed, and the high concentration of PCE in well MW-23 observed in 2016 had returned to normal low levels. Given the favorable results, Stantec proposed that: (1) groundwater monitoring be modified to a bi-annual frequency; and (2) monitoring well MW-23R be removed from the sampling list. Both requests were approved by NYSDEC through acceptance of the 2019 and 2020 PRRs, respectively. Pertaining to the removal of MW-23R, NYSDEC stipulated that water levels, dissolved oxygen, and oxidation-reduction potential continue to be monitored during the bi-annual event.

1.2 SITE MANAGEMENT REQUIREMENTS

Site Management activities were implemented in accordance with the Department-approved SMPs for each Site. The SMPs for the Sites include the following required Institutional and Engineering Controls (ICs/ECs):

- Use of the Sites for commercial and industrial purposes is allowed as long as the following long-term controls are employed:
    - The MPVE system is operated in accordance with a Department-approved Operation, Maintenance & Monitoring (OM&M) plan until remedial requirements are achieved to the satisfaction of the Department. *(Note: this is no longer required; see below)*

  - An SSDS constructed in conjunction with the MPVE system is operated continuously in the Building B Annex Area to mitigate the potential for soil vapor intrusion (SVI) when the MPVE system is shut down.
  - Impervious surfaces covering specific areas of the Sites (building floor slabs and parking lot pavements) are maintained.
  - NYSDEC approval must be obtained in advance for activities which breach impervious surfaces or disturb soils in those same areas of the Sites, and those activities must be performed in accordance with the SMPs.
  - NYSDEC approval must be obtained in advance for use of groundwater for any purpose at the Sites.
- The Sites may not be used for purposes with a higher level of use than the commercial and industrial purposes described above.
- An environmental easement granted to the Department must be maintained on the property deeds and any subsequent instrument of land conveyance, lease, license, or other instruments granting rights of use of the Sites. At the request of the NYSDEC, the separate environmental easement mapping for the two sites was combined into a single Environmental Easement map dated August 1, 2012.
- Annually (or as otherwise directed by the Department), Germanow-Simon must certify to the Department the continued presence and effectiveness of the controls described above.

The MPVE system OM&M Plan for the Sites specified a program of maintenance activities and provided for monthly system performance monitoring, periodic groundwater monitoring, and annual indoor/outdoor air testing. Indoor air testing was previously conducted in the Building B Annex and Building B along with outdoor testing to obtain background conditions; however, due to NYSDEC's approval in 2014 to forego this testing, it is no longer conducted. The OM&M Plan specifies periodic reporting on OM&M activities, monitoring results and remedial progress. However, with NYSDEC approval, the MPVE system was shut down on February 22, 2011 and it has not been operated since. The system was subsequently decommissioned. Therefore, OM&M activities related to the MPVE system have not been required since it was shut down. The SSDS was commissioned on February 22, 2011 and has operated continuously since. The facility manager has confirmed its continued proper operation.

Due to building expansion/renovation and site improvement activities at the Sites during the September 15, 2011 to September 15, 2012 reporting period, the SMPs for both Sites were revised. Revised versions of these documents were submitted to the NYSDEC along with the PRR for that reporting period.

In the Fall of 2021, Germanow-Simon began coordinating for the proposed construction of a 10,500+/- sq. ft. building addition which will straddle the boundaries of the Ward Street (C828136) and 8-28 Ward Street (C828117) BCP sites. As a result of the proposed building location straddling two parcels, the City of Rochester has requested a proposed re-subdivision which will change the Sites' SBL numbers and lot alignments. Once this re-subdivision is completed, the Certificates of Completion and the Environmental Easement will need to be modified to reflect these changes. The 2012 SMPs will be revised and submitted to the Department to reflect Site conditions once construction is complete. See Section 4.0 for a description of the Site Management activities related to the new building construction.

1.3 EFFECTIVENESS OF THE REMEDIAL PROGRAM

The IC/ECs required under the SM program remained in place and were effective.

1.4 COMPLIANCE

Compliance with the SMPs for both Sites was maintained throughout the reporting period. On October 6, 2021, Stantec inspected the Site and made the following observations:

- The SSDS system power indicating light was operating as intended. No power outages occurred during this reporting period that may have affected the SSDS system were noted by the owner. Following the annual 2021 Site inspection, Stantec recommended that a new fan be installed given the age of the system. The fan was replaced by Germanow-Simon on October 11th.
- The Site cover materials (building floor slabs, asphalt pavement, concrete sidewalks and landscaped perimeter areas) are in excellent condition and are well-maintained. No areas of disturbed or degraded site cover were observed during the annual 2021 Site inspection. In preparation for the new building construction, and with Department approval, the asphalt parking lot was saw cut on October 28, 2021, in four locations to accommodate conducting test pits for the purpose of collecting fill material samples for laboratory analysis to allow for waste profile approval prior to the start of construction. The saw cut asphalt was replaced following completion of the test pits. See Section 4.0 for a description of planned breaches to the Site Cover relating to the new building construction.

1.5 RECOMMENDATIONS

As noted in Section 1.2, the SMPs for both Sites were revised in 2012 and are planned to be updated in 2022 following the new building construction. It is recommended that the requirements specified within the updated SMPs continue to be fulfilled. It is also recommended that a vacuum monitoring alarm be mounted adjacent to the power panel. The vacuum tube for the alarm would be attached to the suction pipe just below the fan.

2.0 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

It was recommended in the 2019 PRR to decrease groundwater sampling frequency to every two years. After review, NYSDEC approved the bi-annual sampling on February 27, 2020. As such, no groundwater monitoring occurred during the 2020 reporting period.

The bi-annual monitoring event was performed on October 5, 2021. NYSDEC was notified in advance (see email, Appendix B). The following five wells were sampled: MW-16, 16R, -23, -105, and -207R. As with previous sampling events, low-flow sampling methodology was employed. It was recommended in the 2020 PRR to remove monitoring well MW-23R from the sampling program given that VOCs have been below groundwater standards during each sampling event since 2015. MW-23R was gauged for a record of static water level. The dissolved oxygen and oxidation-reduction potential were also monitored during the event, as required by NYSDEC in its 2020 PRR acceptance letter conditionally approving the removal of MW-23R from the sampling program. Stantec's approach to the geochemical monitoring at this well was accepted by NYSDEC (see email, Appendix B).

The analytical results are summarized on Table 1, along with historical results since 2011 for these six wells (including MW-23R). The analytical results are compared to NYSDEC TOGS 1.1.1 *New York State Ambient Water Quality Standards and Guidance Values* (SGVs) for Class GA groundwater. Table 2 provides a summary of the field parameters measured in groundwater during the sampling events. Figures 3A through 3F present time-series plots of individual VOC concentrations for these six wells (including MW-23R). The laboratory report is presented in Appendix C.

The following observations are made relative to groundwater levels and quality, based on the results of the 2021 sampling event:

- Groundwater levels were slightly lower (between 0.5 and 0.8 ft) as compared to the October 2019 gauging data. This is consistent with a comparison of annual precipitation records given the record-breaking annual precipitation recorded in 2019.
- Field parameters measured during the October 2021 sampling event continue to indicate anaerobic and reducing conditions in groundwater, with dissolved oxygen (DO) levels below 0.4 mg/L and negative oxidation/reduction potential (ORP) levels.
- In general, CVOC concentrations have continued to improve, or remained stable, with some daughter compounds showing significant concentration decreases since the last sampling event. The concentrations of PCE and TCE have been non-detect or only slightly exceed the SGV (except TCE at MW-105) and levels have decreased or remained stable around the SGV for several years. The daughter compound concentrations have also declined (except cis-1,2-DCE at MW-105). A summary of the COC concentrations (in µg/L) is presented in the table below, and further discussion of apparent trends at each monitoring well follows.

Well / COC	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	VC
MW-16	7.04	ND	169	ND	270
MW-16R	ND	7.59	53.2	ND	45.8
MW-23	ND	ND	14.5	ND	15.7
MW-105	4.69	21.7	321	ND	59.2
MW-207R	ND	ND	300	ND	465

ND = non-detect.

- Wells MW-23 (overburden) and MW-23R (bedrock) are located in close proximity to the excavation (and associated sodium lactate application) performed in 2017. Data from the October 2021 sampling event continued to demonstrate improvement in the COC concentrations at MW-23 with PCE and TCE declining to levels below laboratory detection limits. Both cis-1,2-DCE and VC exhibited large decreases in concentration, and trans-1,2-DCE continued to be non-detect. These results continue to indicate the source excavation and lactate placement performed in late 2017 have had a positive effect on groundwater quality in this area.

  VOCs in well MW-23R had been below groundwater standards and essentially remained at non-detect levels since 2015. As such, sampling was not performed at this well based on the 2020 PRR recommendations, which were approved by NYSDEC.

- Bedrock well MW-16R, located on the southern edge of the remedial area, exhibited large decreases in the concentrations of TCE, cis-1,2-DCE, and VC since 2019. Consistent with previous sampling rounds, PCE and trans-1,2-DCE were not detected above laboratory quantitation limits.

  Overburden well MW-16, located adjacent to MW-16R, also exhibited large decreases in concentrations of cis-1,2-DCE and VC since 2019. The concentration of PCE only slightly exceeded the SGV, and TCE and trans-1,2-DCE remain below reporting limits.

- Although MW-105 continues to exhibit detections of PCE, TCE, cis-1,2-DCE, and VC, levels have remained relatively consistent over the past five sampling events. Concentrations of daughter product cis-1,2-DCE has increased over the past three sampling events but no other increases are noted and the present concentration remains well below the historical maximum concentrations. Furthermore, the concentration of PCE remains below the SGV and trans-1,2-DCE was not detected above laboratory quantitation limits in 2021.

- Well MW-207R (the easternmost well location in these sampling events) continued to exhibit decreasing concentrations of cis-1,2-DCE and VC since 2018. Since 2019, the concentration of both daughter products decreased by approximately 60%. Trans-1,2-DCE, TCE, and PCE were not detected above laboratory quantitation limits. PCE and TCE have not been detected at this location since 2013.

Overall, the groundwater monitoring data are consistent with, or improved from, the results of previous sampling events and indicate that groundwater conditions are stable or improving at the monitoring wells.

3.0 COMPLIANCE WITH IC/EC REQUIREMENTS AND THE OM&M PLAN

During the reporting period, compliance with the required ICs and ECs was maintained.

- Use of the Sites has been limited to the industrial manufacturing and support activities conducted by the Germanow-Simon Corporation and its affiliated enterprises. There has been no change in Site use or operations.
- In accordance with NYSDEC approval, the MPVE system was operated until February 22, 2011, at which time it was shut down indefinitely. The MVPE system was decommissioned, cleaned out, and disconnected from the sewer during the 2014 reporting period.
- The sub-slab depressurization system (SSDS) constructed in conjunction with the MPVE system has continuously operated since February 2011 in the Building B Annex Area to mitigate the potential for soil vapor intrusion (SVI).
- No groundwater use has occurred at the Sites.
- The environmental easement granted to the Department has been maintained on the property deeds and any subsequent instrument of land conveyance, lease, license, or other instruments granting rights of use of the Sites.

Signed and stamped forms certifying the continued presence and effectiveness of the ICs and ECs described above are presented in Appendix A.

The MPVE system OM&M Plan for the Sites specifies a program of maintenance activities, provides for monthly system performance monitoring and periodic groundwater monitoring, and annual indoor/outdoor air testing. The OM&M Plan specifies periodic reporting on OM&M activities, monitoring results and remedial progress. However, because the MPVE system was shut down permanently in 2011, activities or certification related to this specific EC have not been required since then.

Sampling results from February 22, 2013 indicated that the SSDS system, which has been operating continuously since the MPVE system was shut down, continued to successfully mitigate potential SVI at the Building B Annex. Based on these results and discussion with and subsequent approval by NYSDEC, annual indoor and outdoor air sampling was discontinued in 2015.

Following the annual 2021 Site inspection, Stantec recommended that a new fan be installed given the age of the system. The fan was replaced by Germanow-Simon on October 11th (see photo below).

4.0 NEW BUILDING CONSTRUCTION

As stated earlier, in the Fall of 2021, Germanow-Simon began coordinating for the proposed construction of a 10,500+/- sq. ft. building addition which will straddle the boundaries of the Ward Street (C828136) and 8-28 Ward Street (C828117) BCP sites. The new building will house the manufacture of optical components for a COVID-19 antibody testing platform. This section summarizes the Site Management activities conducted, and/or proposed, relating to the new building construction through the end of the reporting period (November 15th). Note that formal ground-breaking associated with the new building construction was not initiated prior to November 15th. As such, Site Management activities performed for the actual construction side of the new building will be incorporated into the 2022 PRR along with any other Site Management activities occurring after November 15th.

Stantec's environmental staff will be providing full-time observation of sub-surface activities pursuant to the SMPs for the two sites. As noted below, Stantec is also assisting the design team with the sub-slab piping network to provide soil vapor mitigation should subsequent testing confirm that an active system is needed. Past investigations in this portion of the Sites have not revealed evidence of VOC impacts in this area.

The following is a summary of pertinent Site Management activities, data, correspondence, and deliverables related to the new building construction.

1. **Change of Site Use Form and Building Permit-Environmental Easement Review Form.** Both forms, along with a series of supporting documents for the proposed construction, were submitted to the Department on October 29th. Approval was received on November 4th. Copies of the NYSDEC correspondence are included in Appendix B.
2. **Test Pit Program.** A test pit program was conducted on October 21st to pre-characterize the excavation material to facilitate approval of a waste profile for offsite disposal. Stantec was onsite to collect soil samples and to conduct CAMP. No unusual or unexpected observations of fill conditions were noted; and no air monitoring exceedances were recorded. NYSDEC was notified before and after the program (see copy, Appendix B). The laboratory analytical report is included herein as Appendix C.
3. **Waste Profile**. Following pre-excavation characterization sampling, waste profile #124616NY was submitted online to Waste Management on November 12th for offsite disposal of the urban fill and other excavation fill material generated during new building construction at High Acres Landfill. Tracking of the offsite disposal volumes under the final approved waste profile *(approved after the reporting period of November 19th)* will be conducted during excavation and reported in the 2022 PRR.
4. **SSDS Design.** The Institutional Controls imposed on the Site include the requirement to evaluate for potential soil vapor intrusion (SVI) in any new buildings and mitigate as necessary. On behalf of Germanow-Simon and their Contractor (the Nichols Team), Stantec designed the sub-slab piping layout and associated details for the proposed new building *(submitted after the reporting period on November 17th)*. Based on previous discussions between Stantec and NYSDEC, the plan is to stub the piping at the floor slab. Once the building is sufficiently constructed, SVI testing will be conducted to determine if an active SSDS will be required, all of which will be incorporated in the 2022 PRR.

5.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

No changes to the program are proposed at this time and the next PRR will be submitted in December 2022. Following construction of the new building, and update to the SMPs, it is anticipated that a request for bi-annual Periodic Review Reporting will be requested to align with the bi-annual groundwater monitoring requirement.

TABLES

Table 1
Summary of Volatile Organic Compounds in Groundwater – September 2011 to October 2021
PERIODIC REVIEW REPORT, WARD STREET SITES
GERMANOW-SIMON CORPORATION
ROCHESTER, NY

Sample Location			MW16															
Sample Date			27-Sep-11	3-Feb-12	2-Mar-12	5-Jun-12	5-Sep-12	23-Jan-13	11-Apr-13	3-Jul-13	9-Oct-13	9-Oct-13	17-Jun-15	9-Mar-16	10-Jan-18	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID			WSR-MW-16-GW-18	WSR-MW-16-GW-19	WSR-MW-16-GW-20	WSR-MW-16-GW-21	WSR-MW-16-GW-22	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	828-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	MW-16	WSR-MW-16-GW	MW-16
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			P11-4090	12:0472	12:0936	12:2364	12:3668	13:0353	131259	132490	133891	133926	152493	160970	180096	184937	194958	214498
Laboratory Sample ID			14083	12:0472-06	12:0936-02	12:2364-06	12:3668-05	130353-05	131259-05	132490-06	133891-05	133926-05	152493-03	160970-03	180096-02	184937-04	194958-02	214498-02
Sample Type	Units	TOGS																
Volatile Organic Compounds																		
Acetone	µg/L	50[B]	***500 U***	***500 U***	***500 U***	***500 U***	***500 U***	10 U	10.0 U	10.0 U	-	13.6 J	10.0 U	10.0 U	25.0 U	50.0 U	25.0 U	25.0 U
Benzene	µg/L	1[A]	***35.0 U***	***35.0 U***	***35.0 U***	***35.0 U***	***35.0 U***	0.70 U	0.700 U	0.700 U	-	1 U	1.00 U	1.00 U	***2.50 U***	***5.00 U***	***2.50 U***	***2.50 UL***
Bromobenzene	µg/L	5-[A]	-	-	-	-	-	5.0 U	5.00 U	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[B]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	10.0 U	5.00 U	5.00 UL
Bromoform (Tribromomethane)	µg/L	50[B]	***250 U***	***250 U***	***250 U***	***250 U***	***250 U***	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	12.5 U	25.0 U	12.5 U	12.5 U
Bromomethane (Methyl bromide)	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Butylbenzene, n-	µg/L	5-[A]	***250 U***	***100 U***	***100 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5-[A]	***250 U***	***100 U***	***100 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5-[A]	***250 U***	***100 U***	***100 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[B]	***250 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	10.0 U	5.00 U	5.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Chlorobromomethane	µg/L	5-[A]	***250 U***	***250 U***	***250 U***	***250 U***	-	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	***12.5 U***	***25.0 U***	***12.5 U***	***12.5 U***
Chloroethane (Ethyl Chloride)	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	500 U	10 U	10.0 U	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Chloromethane	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Cyclohexane	µg/L	n/v	500 U	500 U	500 U	500 U	-	10 U	10.0 U	10.0 U	-	10.0 U	10.0 U	10.0 U	25.0 U	50.0 U	25.0 U	25.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[A]	***500 U***	***500 U***	***500 U***	***500 U***	-	***10 U***	***10.0 U***	***10.0 U***	-	***10.0 U***	***10.0 U***	***10.0 U***	***25.0 U***	***50.0 U***	***25.0 U***	***25.0 U***
Dibromochloromethane	µg/L	50[B]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	10.0 U	5.00 U	5.00 U
Dichlorobenzene, 1,2-	µg/L	3[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 U***
Dichlorobenzene, 1,3-	µg/L	3[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 U***
Dichlorobenzene, 1,4-	µg/L	3[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 U***
Dichlorodifluoromethane (Freon 12)	µg/L	5-[A]	***250 U***	***100 U***	***100 U***	***100 U***	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Dichloroethane, 1,1-	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Dichloroethane, 1,2-	µg/L	0.6[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	***2.0 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 U***
Dichloroethene, 1,1-	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Dichloroethene, cis-1,2-	µg/L	5-[A]	**1,790[A]**	**8,600[A]**	**2,770[A]**	**2,720[A]**	**772[A]**	**8.3[A]**	**23.6[A]**	**9.39[A]**	-	2.89	**165[A]**	**118[A]**	**256[A]**	**391[A]**	**295[A]**	**169[A]**
Dichloroethene, trans-1,2-	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	**24.3[A]**	4.89	-	**13.3[A]**	**8.33[A]**	2.43	4.40 J	***10.0 U***	3.69 J	5.00 U
Dichloropropane, 1,2-	µg/L	1[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	-	-	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 UL***
Dichloropropane, 1,3-	µg/L	5-[A]	-	-	-	-	-	2.0 U	2.00 U	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5-[A]	-	-	-	-	-	2.0 U	2.00 U	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4[B][A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	-	-	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4[B][A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	***2.0 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 U***
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	20 U	20.0 U	20.0 U	-	R	20.0 U	20.0 U	50.0 U	100 U	50.0 U	25.0 U
Ethylbenzene	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[A]	***100 U***	***100 U***	***100 U***	***100 U***	-	***2.0 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[B]	***250 U***	***250 U***	***250 U***	***250 U***	***250 U***	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	12.5 U	25.0 U	12.5 U	12.5 U
Isopropylbenzene	µg/L	5-[A]	***250 U***	***100 U***	***100 U***	***100 U***	-	-	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Isopropyltoluene, p- (Cymene)	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	100 U	100 U	100 U	100 U	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	10.0 U	5.00 U	5.00 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[B]	***500 U***	***500 U***	***500 U***	***500 U***	***500 U***	33	10.0 U	10.0 U	-	9.98 J	10.0 U	10.0 U	25.0 U	50.0 U	25.0 U	25.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	250 U	250 U	250 U	250 U	250 U	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	12.5 U	25.0 U	12.5 U	12.5 U
Methyl tert-butyl ether (MTBE)	µg/L	10[B]	***100 U***	***100 U***	***100 U***	***100 U***	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	10.0 U	5.00 U	5.00 U
Methylcyclohexane	µg/L	n/v	100 U	100 U	100 U	100 U	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	10.0 U	5.00 U	5.00 U
Methylene Chloride (Dichloromethane)	µg/L	5-[A]	***250 U***	***250 U***	***250 U***	***250 U***	***250 U***	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	***12.5 U***	***25.0 U***	***12.5 U***	***12.5 U***
Naphthalene	µg/L	10[A]	***250 U***	***250 U***	***250 U***	***250 U***	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5-[A]	***250 U***	***100 U***	***100 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5-[A]	***250 U***	***250 U***	***250 U***	***250 U***	***250 U***	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	***12.5 U***	***25.0 U***	***12.5 U***	***12.5 U***
Tetrachloroethane, 1,1,2,2-	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Tetrachloroethene (PCE)	µg/L	5-[A]	**2,390[A]**	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	**7.04 L[A]**
Toluene	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Trichlorobenzene, 1,2,3-	µg/L	5-[A]	***250 U***	***250 U***	***250 U***	***250 U***	-	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	***12.5 U***	***25.0 U***	***12.5 U***	***12.5 U***
Trichlorobenzene, 1,2,4-	µg/L	5-[A]	***250 U***	***250 U***	***250 U***	***250 U***	-	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	***12.5 U***	***25.0 U***	***12.5 U***	***12.5 U***
Trichloroethane, 1,1,1-	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Trichloroethane, 1,1,2-	µg/L	1[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	***2.0 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***5.00 U***	***10.0 U***	***5.00 U***	***5.00 U***
Trichloroethene (TCE)	µg/L	5-[A]	**1,140[A]**	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Trimethylbenzene, 1,2,4-	µg/L	5-[A]	***250 U***	***100 U***	***100 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5-[A]	***250 U***	***100 U***	***100 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	-	250 U	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[A]	***100 U***	***100 U***	**183[A]**	**945[A]**	**879[A]**	**13[A]**	**81.8[A]**	**6.65[A]**	-	**3.52[A]**	**140[A]**	**135[A]**	**365[A]**	**914[A]**	**430[A]**	**270[A]**
Xylene, m & p-	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Xylene, o-	µg/L	5-[A]	***100 U***	***100 U***	***100 U***	***100 U***	***100 U***	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	5.00 U	***10.0 U***	5.00 U	5.00 U
Total VOC	µg/L	n/v	5,320	8,600	2,953	3,665	1,651	54.3	129.7	20.93	-	43.29	313.33	255.43	625.4	1,305	728.69	446.04
Miscellaneous Parameters																		
Arsenic	mg/L	0.025[A]	0.010 U	**0.048[A]**	0.013	0.024	-	-	**0.0432[A]**	-	-	-	-	-	-	-	-	-
Iron	mg/L	0.3.[A]	**3.42[A]**	**20.8[A]**	**2.35[A]**	**19.3[A]**	-	-	**16.9 L[A]**	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.3.[A]	0.294	0.117	0.155	0.109	-	-	0.218 L	-	-	-	-	-	-	-	-	-
Sodium	mg/L	20[A]	**1,270[A]**	**1,250[A]**	**407[A]**	**1,280[A]**	**2,290[A]**	**2,000[A]**	**1,160[A]**	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	n/v	5.2	122	8.5	8.9	20.5	750	144	92.0	41.0	-	15	10.8	12.6	2.5	5.5	6.9

See notes on last page.

Table 1
Summary of Volatile Organic Compounds in Groundwater – September 2011 to October 2021
PERIODIC REVIEW REPORT, WARD STREET SITES
GERMANOW-SIMON CORPORATION
ROCHESTER, NY

Sample Location			MW16R																	
Sample Date			28-Sep-11	5-Jan-12	3-Feb-12	1-Mar-12	1-Mar-12	5-Jun-12	5-Sep-12	23-Jan-13	11-Apr-13	3-Jul-13	9-Oct-13	9-Oct-13	18-Jun-15	9-Mar-16	10-Jan-18	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID			WSR-MW-16R-GW-18	WSR-MW-16R-GW-19	WSR-MW-16R-GW-20	WSR-MW-16R-GW-21	WSR-MW-DUP-GW-21	WSR-MW-16R-GW-22	WSR-MW-16R-GW-23	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	828-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	MW-16R	WSR-MW-16R-GW	MW-16R
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			P11-4106	P12-0069	12:0472	12:0906	12:0906	12:2364	12:3668	13:0353	131259	132490	133891	133926	152493	160970	180096	184937	194958	214498
Laboratory Sample ID			14149	12:0069-02	12:0472-07	12:0906-05	12:0906-06 Field Duplicate	12:2364-05	12:3668-04	130353-04	131259-04	132490-05	133891-04	133926-04	152493-05	160970-04	180096-03	184937-03	194958-03	214498-03
Sample Type	Units	TOGS																		
Volatile Organic Compounds																				
Acetone	µg/L	50[B]	50.0 U	25.0 U	***500 U***	***100 U***	***100 U***	***500 U***	***500 U***	***250 U***	***100 U***	***100 U***	-	***100 U***	***100 U***	***250 U***	***250 U***	***250 U***	***250 U***	7.93 JB
Benzene	µg/L	1[A]	***3.50 U***	***1.75 U***	***35.0 U***	***7.00 U***	***7.00 U***	***35.0 U***	***35.0 U***	***18 U***	***7.00 U***	***7.00 U***	-	***10 U***	***10.0 U***	***25.0 U***	***25.0 U***	***25.0 U***	***25.0 U***	1.00 U
Bromobenzene	µg/L	5--[A]	-	-	-	-	-	-	-	***130 U***	***50.0 U***	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[B]	10.0 U	5.00 U	***100 U***	20.0 U	20.0 U	***100 U***	***100 U***	50 U	20.0 U	20.0 U	-	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[B]	25.0 U	12.5 U	***250 U***	50.0 U	50.0 U	***250 U***	***250 U***	***130 U***	50.0 U	50.0 U	-	50.0 U	50.0 U	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Bromomethane (Methyl bromide)	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Butylbenzene, n-	µg/L	5--[A]	***25.0 U***	***12.5 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[A]	***25.0 U***	***12.5 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[A]	***25.0 U***	***12.5 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[B]	25.0 U	12.5 U	***100 U***	20.0 U	20.0 U	***100 U***	***100 U***	50 U	20.0 U	20.0 U	-	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Chlorobromomethane	µg/L	5--[A]	***25.0 U***	***12.5 U***	***250 U***	***50.0 U***	***50.0 U***	***250 U***	-	***130 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	-	500 U	250 U	100 U	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Chloromethane	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Cyclohexane	µg/L	n/v	50.0 U	25.0 U	500 U	100 U	100 U	500 U	-	250 U	100 U	100 U	-	100 U	100 U	250 U	250 U	250 U	250 U	10.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[A]	***50.0 U***	***25.0 U***	***500 U***	***100 U***	***100 U***	***500 U***	-	***250 U***	***100 U***	***100 U***	-	***100 U***	***100 U***	***250 U***	***250 U***	***250 U***	***250 U***	***10.0 U***
Dibromochloromethane	µg/L	50[B]	10.0 U	5.00 U	***100 U***	20.0 U	20.0 U	***100 U***	***100 U***	50 U	20.0 U	20.0 U	-	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5--[A]	***25.0 U***	***12.5 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichloroethane, 1,1-	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichloroethene, cis-1,2-	µg/L	5--[A]	**1,150[A]**	**110[A]**	**3,810[A]**	**2,260[A]**	**2,360[A]**	**2,630[A]**	**1,410[A]**	**1,000[A]**	**841[A]**	**664[A]**	-	**77.7[A]**	**1,520[A]**	**1,610[A]**	**3,330[A]**	**1,080[A]**	**1,420[A]**	**53.2[A]**
Dichloroethene, trans-1,2-	µg/L	5--[A]	**10.6[A]**	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	**36.0[A]**	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichloropropane, 1,2-	µg/L	1[A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	-	-	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Dichloropropane, 1,3-	µg/L	5--[A]	-	-	-	-	-	-	-	***50 U***	***20.0 U***	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5--[A]	-	-	-	-	-	-	-	***50 U***	***20.0 U***	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4[B][A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	-	-	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4[B][A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	500 U	200 U	200 U	-	R	200 U	500 U	500 U	500 U	500 U	10.0 U
Ethylbenzene	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[B]	25.0 U	12.5 U	***250 U***	50.0 U	50.0 U	***250 U***	***250 U***	***130 U***	50.0 U	50.0 U	-	50.0 U	50.0 U	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Isopropylbenzene	µg/L	5--[A]	***25.0 U***	***12.5 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	-	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Isopropyltoluene, p- (Cymene)	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	10.0 U	5.00 U	100 U	20.0 U	20.0 U	100 U	-	50 U	20.0 U	20.0 U	-	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[B]	50.0 U	25.0 U	***500 U***	***100 U***	***100 U***	***500 U***	***500 U***	***250 U***	***100 U***	***100 U***	-	***100 UJ***	***100 U***	***250 U***	***250 U***	***250 U***	***250 U***	10.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	25.0 U	12.5 U	250 U	50.0 U	50.0 U	250 U	250 U	130 U	50.0 U	50.0 U	-	50.0 U	50.0 U	125 U	125 U	125 U	125 U	5.00 U
Methyl tert-butyl ether (MTBE)	µg/L	10[B]	10.0 U	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Methylcyclohexane	µg/L	n/v	10.0 U	5.00 U	100 U	20.0 U	20.0 U	100 U	-	50 U	20.0 U	20.0 U	-	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5--[A]	***25.0 U***	***12.5 U***	***250 U***	***50.0 U***	***50.0 U***	***250 U***	***250 U***	***130 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Naphthalene	µg/L	10[A]	***25.0 U***	***12.5 U***	***250 U***	***50.0 U***	***50.0 U***	***250 U***	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[A]	***25.0 U***	***12.5 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5--[A]	***25.0 U***	***12.5 U***	***250 U***	***50.0 U***	***50.0 U***	***250 U***	***250 U***	***130 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Tetrachloroethene (PCE)	µg/L	5--[A]	**832[A]**	**299[A]**	***100 U***	**65.4[A]**	**64.4[A]**	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	**694[A]**	***50.0 U***	**99.7[A]**	***50.0 U***	**45.1 J[A]**	2.00 U
Toluene	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5--[A]	***25.0 U***	***12.5 U***	***250 U***	***50.0 U***	***50.0 U***	***250 U***	-	***130 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5--[A]	***25.0 U***	***12.5 U***	***250 U***	***50.0 U***	***50.0 U***	***250 U***	-	***130 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Trichloroethane, 1,1,1-	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[A]	***10.0 U***	***5.00 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5--[A]	**651[A]**	**57.1[A]**	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	**167[A]**	***20.0 U***	-	***20.0 U***	**350[A]**	***50.0 U***	**204[A]**	***50.0 U***	**53.1[A]**	**7.59[A]**
Trichlorofluoromethane (Freon 11)	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Trimethylbenzene, 1,2,4-	µg/L	5--[A]	***25.0 U***	***12.5 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[A]	***25.0 U***	***12.5 U***	***100 U***	***20.0 U***	***20.0 U***	***100 U***	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	-	250 U	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[A]	**23.3[A]**	***5.00 U***	**717[A]**	**997[A]**	**1,030[A]**	**1,060[A]**	**790[A]**	**1,100[A]**	**558[A]**	**1,040[A]**	-	**33.1[A]**	**537[A]**	**961[A]**	**1,130[A]**	**973[A]**	**634[A]**	**45.8[A]**
Xylene, m & p-	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Xylene, o-	µg/L	5--[A]	***10.0 U***	5.00 U	***100 U***	***20.0 U***	***20.0 U***	***100 U***	***100 U***	***50 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Total VOC	µg/L	n/v	2,666.9	466.1	4,527	3,322.4	3,454.4	3,690	2,200	2,100	1,566	1,704	-	110.8	3,137	2,571	4,763.7	2,053	2,152.2	114.52
Miscellaneous Parameters																				
Arsenic	mg/L	0.025[A]	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	-	-	0.0100 U	-	-	-	-	-	-	-	-	-
Iron	mg/L	0.3[A]	**1.81[A]**	0.100 U	**0.381[A]**	**1.00[A]**	**1.05[A]**	**2.68[A]**	-	-	0.144 L	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.3[A]	0.068	0.015 U	0.072	0.287	0.242	0.109	-	-	0.146 L	-	-	-	-	-	-	-	-	-
Sodium	mg/L	20[A]	**461[A]**	**675[A]**	**1,070[A]**	**590[A]**	**598[A]**	**659[A]**	**758[A]**	**820[A]**	**340[A]**	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	n/v	4.3	4.4	5.7	3.9	5.7	4.2	16.2	230	49.6	42.0	11.0	-	3.9	10.3	5.49	3.5	1.0	11.6

See notes on last page.

Table 1
Summary of Volatile Organic Compounds in Groundwater – September 2011 to October 2021
PERIODIC REVIEW REPORT, WARD STREET SITES
GERMANOW-SIMON CORPORATION
ROCHESTER, NY

Sample Location																						
Sample Date			28-Sep-11	5-Jan-12	6-Feb-12	2-Mar-12	5-Jun-12	5-Jun-12	6-Sep-12	24-Jan-13	MW23 10-Apr-13	5-Jul-13	10-Oct-13	10-Oct-13	10-Oct-13	17-Jun-15	9-Mar-16	10-Jan-18	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID			WSR-MW-23-GW-7	828-MW-23-GW-8	828-MW-23-GW-9	828-MW-23-GW-10	828-MW-23-GW-11	828-MW-DUP-GW-11	828-MW-23-GW-12	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-DUP-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	MW-23	828-MW-23-GW	MW-23
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			P11-4106	P12-0069	12:0488	12:0936	12:2364	12:2364-03	12:3694	13:0365	131242	132505	133909	133925	133925-03	152493	160970	180096	184937	194958	214498
Laboratory Sample ID			14150	12:0069-06	12:0488-02	12:0936-05	12:2364-02	Field Duplicate	12:3694-05	130365-05	131242-02	132505-03	133909-01	133925-02	Field Duplicate	152493-02	160970-01	180096-05	184937-01	194958-05	214498-04
Sample Type	Units	TOGS																			
Volatile Organic Compounds																					
Acetone	µg/L	50[B]	***100 U***	***500 U***	***500 U***	***500 U***	***1,000 U***	***1,000 U***	***1,000 U***	***1,000 U***	***100 U***	***100 U***	-	***100 U***	***100 U***	***100 U***	***250 U***	***250 U***	***250 U***	***250 U***	10.0 U
Benzene	µg/L	1[A]	***7.00 U***	***35.0 U***	***35.0 U***	***35.0 U***	***70.0 U***	***70.0 U***	***70.0 U***	***70 U***	***7.00 U***	***7.00 U***	-	***10 U***	***10 U***	***10.0 U***	***25.0 U***	***25.0 U***	***25.0 U***	***25.0 U***	1.00 UL
Bromobenzene	µg/L	5[A]	-	-	-	-	-	-	-	***500 U***	***50.0 U***	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[B]	20.0 U	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	20.0 U	20.0 U	-	20.0 U	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 UL
Bromoform (Tribromomethane)	µg/L	50[B]	50.0 U	***250 U***	***250 U***	***250 U***	***500 U***	***500 U***	***500 U***	***500 U***	50.0 U	50.0 U	-	50.0 U	50.0 U	50.0 U	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Bromomethane (Methyl bromide)	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Butylbenzene, n-	µg/L	5[A]	***50.0 U***	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5[A]	***50.0 U***	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5[A]	***50.0 U***	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[B]	50.0 U	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	20.0 U	20.0 U	-	20.0 U	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Chlorobromomethane	µg/L	5[A]	***50.0 U***	***250 U***	***250 U***	***250 U***	***500 U***	***500 U***	-	***500 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	-	1,000 U	1,000 U	100 U	-	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Chloromethane	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Cyclohexane	µg/L	n/v	100 U	500 U	500 U	500 U	1,000 U	1,000 U	-	1,000 U	100 U	100 U	-	100 U	100 U	100 U	250 U	250 U	250 U	250 U	10.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[A]	***100 U***	***500 U***	***500 U***	***500 U***	***1,000 U***	***1,000 U***	-	***1,000 U***	***100 U***	***100 U***	-	***100 U***	***100 U***	***100 U***	***250 U***	***250 U***	***250 U***	***250 U***	***10.0 U***
Dibromochloromethane	µg/L	50[B]	20.0 U	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	20.0 U	20.0 U	-	20.0 U	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5[A]	***50.0 U***	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichloroethane, 1,1-	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichloroethene, cis-1,2-	µg/L	5[A]	***20.0 U***	***100 U***	**4,130[A]**	**10,900[A]**	**5,120[A]**	**5,240[A]**	**3,940[A]**	**8,900[A]**	**242[A]**	**862[A]**	-	**86.8 J[A]**	**142 J[A]**	**1,040[A]**	**1,110[A]**	**2,540[A]**	**1,020[A]**	**1,170[A]**	**14.5[A]**
Dichloroethene, trans-1,2-	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Dichloropropane, 1,2-	µg/L	1[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	-	-	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Dichloropropane, 1,3-	µg/L	5[A]	-	-	-	-	-	-	-	***200 U***	***20.0 U***	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5[A]	-	-	-	-	-	-	-	***200 U***	***20.0 U***	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4[B][A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	-	-	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4[B][A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	2,000 U	200 U	200 U	-	R	R	200 U	500 U	500 U	500 U	500 U	10.0 U
Ethylbenzene	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[B]	50.0 U	***250 U***	***250 U***	***250 U***	***500 U***	***500 U***	***500 U***	***500 U***	50.0 U	50.0 U	-	50.0 U	50.0 U	50.0 U	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Isopropylbenzene	µg/L	5[A]	***50.0 U***	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	-	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Isopropyltoluene, p- (Cymene)	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	20.0 U	100 U	100 U	100 U	200 U	200 U	-	200 U	20.0 U	20.0 U	-	20.0 U	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[B]	***100 U***	***500 U***	***500 U***	***500 U***	***1,000 U***	***1,000 U***	***1,000 U***	***1,000 U***	***100 U***	***100 U***	-	***100 UJ***	***100 UJ***	***100 U***	***250 U***	***250 U***	***250 U***	***250 U***	10.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	50.0 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	50.0 U	50.0 U	-	50.0 U	50.0 U	50.0 U	125 U	125 U	125 U	125 U	5.00 U
Methyl tert-butyl ether (MTBE)	µg/L	10[B]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Methylcyclohexane	µg/L	n/v	20.0 U	100 U	100 U	100 U	200 U	200 U	-	200 U	20.0 U	20.0 U	-	20.0 U	20.0 U	20.0 U	50.0 U	50.0 U	50.0 U	50.0 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5[A]	***50.0 U***	***250 U***	***250 U***	***250 U***	***500 U***	***500 U***	***500 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U		
Naphthalene	µg/L	10[A]	***50.0 U***	***250 U***	***250 U***	***250 U***	***500 U***	***500 U***	-	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5[A]	***50.0 U***	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5[A]	***50.0 U***	***250 U***	***250 U***	***250 U***	***500 U***	***500 U***	***500 U***	***500 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Tetrachloroethene (PCE)	µg/L	5[A]	**2,240[A]**	**4,010[A]**	**2,500[A]**	**107[A]**	**1,150[A]**	**1,130[A]**	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	**663[A]**	**4,810[A]**	**3,200[A]**	**404[A]**	**83.3[A]**	2.00 U
Toluene	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5[A]	***50.0 U***	***250 U***	***250 U***	***250 U***	***500 U***	***500 U***	-	***500 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5[A]	***50.0 U***	***250 U***	***250 U***	***250 U***	***500 U***	***500 U***	-	***500 U***	***50.0 U***	***50.0 U***	-	***50.0 U***	***50.0 U***	***50.0 U***	***125 U***	***125 U***	***125 U***	***125 U***	5.00 U
Trichloroethane, 1,1,1-	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5[A]	**36.4[A]**	***100 U***	**407[A]**	***100 U***	**562[A]**	**549[A]**	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	**251[A]**	**1,060[A]**	**423[A]**	**76.6[A]**	**28.1 J[A]**	2.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Trimethylbenzene, 1,2,4-	µg/L	5[A]	***50.0 U***	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5[A]	***50.0 U***	***250 U***	***100 U***	***100 U***	***200 U***	***200 U***	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	-	500 U	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	**1,090[A]**	**1,130[A]**	**1,110[A]**	**970[A]**	**154[A]**	**636[A]**	-	**241 J[A]**	**399 J[A]**	**73.3[A]**	***50.0 U***	**140[A]**	**105[A]**	**97.5[A]**	**15.7[A]**
Xylene, m & p-	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Xylene, o-	µg/L	5[A]	***20.0 U***	***100 U***	***100 U***	***100 U***	***200 U***	***200 U***	***200 U***	***200 U***	***20.0 U***	***20.0 U***	-	***20.0 U***	***20.0 U***	***20.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	***50.0 U***	2.00 U
Total VOC	µg/L	n/v	2,276.4	4,010	7,037	11,007	7,922	8,049	5,050	9,870	396	1,498	-	327.8	541	2,027.3	6,980	6,303	1,605.6	1,378.9	30.2
Miscellaneous Parameters																					
Arsenic	mg/L	0.025[A]	0.010 U	0.010 U	0.018	0.014	0.021	0.021	-	-	0.0217	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	0.3[A]	0.100 U	**111[A]**	**23.3[A]**	**12.5[A]**	**15.7[A]**	**15.5[A]**	-	-	**13.2 L[A]**	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.3[A]	0.226	**4.07[A]**	0.161	**0.523[A]**	0.165	0.189	-	-	**0.445 L[A]**	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	20[A]	**1,450[A]**	**1,660[A]**	**1,090[A]**	**1,090[A]**	**1,130[A]**	**1,150[A]**	**1,120[A]**	**1,300[A]**	**1,000[A]**	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	n/v	3.7	1,880	118	68.4	6.0	6.0	64.3	560	165	23.0	8.50	-	-	3.5	9.17 J	6.67	2.8	3.6	16.2 S+

See notes on last page.

Table 1
Summary of Volatile Organic Compounds in Groundwater – September 2011 to October 2021
PERIODIC REVIEW REPORT, WARD STREET SITES
GERMANOW-SIMON CORPORATION
ROCHESTER, NY

Sample Location			MW23R															
Sample Date			28-Sep-11	5-Jan-12	6-Feb-12	2-Mar-12	5-Jun-12	6-Sep-12	24-Jan-13	10-Apr-13	5-Jul-13	10-Oct-13	10-Oct-13	17-Jun-15	9-Mar-16	10-Jan-18	24-Oct-18	8-Oct-19
Sample ID			WSR-MW-23R-GW-7	828-MW-23R-GW-8	828-MW-23R-GW-9	828-MW-23R-GW-10	828-MW-23R-GW-11	828-MW-23R-GW-12	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	MW-23R	828-MW-23R-GW
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			P11-4106	P12-0069	12:0488	12:0936	12:2364	12:3694	13:0365	131242	132505	133909	133925	152493	160970	180096	184937	194958
Laboratory Sample ID			14151	12:0069-05	12:0488-03	12:0936-06	12:2364-04	12:3694-06	130365-04	131242-03	132505-02	133909-02	133925-04	152493-01	160970-02	180096-06	184937-02	194958-06
Sample Type	Units	TOGS																
Volatile Organic Compounds																		
Acetone	µg/L	50[B]	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	30.6	10 U	10.0 U	11.1	-	18.3 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	µg/L	1[A]	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.70 U	0.700 U	0.700 U	-	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Bromobenzene	µg/L	5-[A]	-	-	-	-	-	-	5.0 U	5.00 U	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[B]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromomethane (Methyl bromide)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Butylbenzene, n-	µg/L	5-[A]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5-[A]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5-[A]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[B]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobromomethane	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	10.0 U	10 U	10.0 U	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Cyclohexane	µg/L	n/v	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	-	10 U	10.0 U	10.0 U	-	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[A]	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	***10 U***	***10.0 U***	***10.0 U***	-	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***
Dibromochloromethane	µg/L	50[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5-[A]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,1-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.0 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5-[A]	**63.8[A]**	**82.4[A]**	**17.4[A]**	**13.1[A]**	**32.6[A]**	**5.30[A]**	**5.8[A]**	**5.83[A]**	4.81	-	**9.16[A]**	1.46 J	1.86 J	1.94 J	2.00 U	1.11 J
Dichloroethene, trans-1,2-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropane, 1,2-	µg/L	1[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	-	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropane, 1,3-	µg/L	5-[A]	-	-	-	-	-	-	2.0 U	2.00 U	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5-[A]	-	-	-	-	-	-	2.0 U	2.00 U	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4$_b$[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	-	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_b$[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.0 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	20 U	20.0 U	20.0 U	-	R	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Ethylbenzene	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	***2.0 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[B]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Isopropylbenzene	µg/L	5-[A]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	-	-	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Isopropyltoluene, p- (Cymene)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[B]	10.0 U	10.0 U	11.9	10.0 U	10.0 U	10.0 U	**130[B]**	**80.7[B]**	**76.9[B]**	-	**107 J[B]**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Methyl tert-butyl ether (MTBE)	µg/L	10[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylcyclohexane	µg/L	n/v	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	2.0 U	2.00 U	2.00 U	-	2.00 U	1.59 J	1.37 J	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Naphthalene	µg/L	10[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5-[A]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	5.0 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethane, 1,1,1-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.0 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trimethylbenzene, 1,2,4-	µg/L	5-[A]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5-[A]	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	5.00 U	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[A]	**2.21[A]**	2.00 U	2.00 U	2.00 U	**5.95[A]**	**3.46[A]**	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, m & p-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, o-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Total VOC	µg/L	n/v	66.01	82.4	29.3	13.1	38.55	39.36	135.8	86.53	92.81	-	134.46	3.05	3.23	1.94	ND	1.11
Miscellaneous Parameters																		
Arsenic	mg/L	0.025[A]	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	-	-	0.0100 U	-	-	-	-	-	-	-	-
Iron	mg/L	0.3.[A]	**0.819[A]**	**3.04[A]**	**7.52[A]**	**3.08[A]**	**4.21[A]**	-	-	**3.08 L[A]**	-	-	-	-	-	-	-	-
Manganese	mg/L	0.3.[A]	0.040	0.129	0.053	0.081 M	0.034	-	-	0.0702 L	-	-	-	-	-	-	-	-
Sodium	mg/L	20[A]	**417[A]**	**392[A]**	**751[A]**	**766[A]**	**458[A]**	**568[A]**	**1,200[A]**	**529[A]**	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	n/v	3.6	38.4	33.0	31.1	4.0	58.6	670	368	86.0	175	-	6.8	12.0	6.17	2.9	0.97

See notes on last page.

Table 1
Summary of Volatile Organic Compounds in Groundwater – September 2011 to October 2021
PERIODIC REVIEW REPORT, WARD STREET SITES
GERMANOW-SIMON CORPORATION
ROCHESTER, NY

Sample Location									MW105									
Sample Date			28-Sep-11	4-Jan-12	2-Feb-12	29-Feb-12	4-Jun-12	4-Sep-12	22-Jan-13	11-Apr-13	2-Jul-13	8-Oct-13	8-Oct-13	18-Jun-15	10-Mar-16	10-Jan-18	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID			WSR-MW-105-GW-12	WSR-MW-105-GW-13	WSR-MW-105-GW-14	WSR-MW-105-GW-15	WSR-MW-105-GW-16	WSR-MW-105-GW-17	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	MW-105	WSR-MW-105-GW	MW-105
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			P11-4106	P12-0041	12:0443	12:0868	12:2335	12:3644	13:0329	131259	132471	133887	133927	152493	160970	180096	184937	194958	214498
Laboratory Sample ID			14152	12:0041-02	12:0443-02	12:0868-02	12:2335-05	12:3644-02	130329-05	131259-02	132471-02	133887-01	133927-02	152493-07	160970-06	180096-01	184937-06	194958-01	214498-05
Sample Type	Units	TOGS																	
Volatile Organic Compounds																			
Acetone	µg/L	50[B]	50.0 U	50.0 U	35.4 B	20.0 U	10.0 U	20.0 U	50 U	32.8	10.0 U	-	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	25.0 U
Benzene	µg/L	1[A]	***3.50 U***	***3.50 U***	***1.75 U***	***1.40 U***	0.700 U	***1.40 U***	***3.5 U***	0.700 U	0.700 U	-	1 U	1.00 U	1.00 U	1.00 U	1.00 U	***2.00 U***	***2.50 UL***
Bromobenzene	µg/L	5-[A]	-	-	-	-	-	-	***25 U***	5.00 U	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[B]	10.0 U	10.0 U	5.00 U	4.00 U	2.00 U	4.00 U	10 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 UL
Bromoform (Tribromomethane)	µg/L	50[B]	25.0 U	25.0 U	12.5 U	10.0 U	5.00 U	10.0 U	25 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	10.0 U	12.5 U
Bromomethane (Methyl bromide)	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Butylbenzene, n-	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	4.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	4.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	4.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[B]	25.0 U	25.0 U	12.5 U	4.00 U	2.00 U	4.00 U	10 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Chlorobromomethane	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	***10.0 U***	5.00 U	-	***25 U***	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	***10.0 U***	***12.5 U***
Chloroethane (Ethyl Chloride)	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	20.0 U	50 U	10.0 U	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Chloromethane	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Cyclohexane	µg/L	n/v	50.0 U	50.0 U	25.0 U	20.0 U	10.0 U	-	50 U	10.0 U	10.0 U	-	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	25.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[A]	***50.0 U***	***50.0 U***	***25.0 U***	***20.0 U***	***10.0 U***	-	***50 U***	***10.0 U***	***10.0 U***	-	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***20.0 U***	***25.0 U***
Dibromochloromethane	µg/L	50[B]	10.0 U	10.0 U	5.00 U	4.00 U	2.00 U	4.00 U	10 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Dichlorobenzene, 1,2-	µg/L	3[A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	2.00 U	***4.00 U***	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***4.00 U***	***5.00 U***
Dichlorobenzene, 1,3-	µg/L	3[A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	2.00 U	***4.00 U***	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***4.00 U***	***5.00 U***
Dichlorobenzene, 1,4-	µg/L	3[A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	2.00 U	***4.00 U***	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	***4.00 U***	***5.00 U***
Dichlorodifluoromethane (Freon 12)	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	4.00 U	2.00 U	-	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Dichloroethane, 1,1-	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Dichloroethane, 1,2-	µg/L	0.6[A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	***2.00 U***	***4.00 U***	***10 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***4.00 U***	***5.00 U***
Dichloroethene, 1,1-	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Dichloroethene, cis-1,2-	µg/L	5-[A]	**480[A]**	**179[A]**	**220[A]**	**155[A]**	**81.9[A]**	**145[A]**	**210[A]**	**159[A]**	**83.6[A]**	-	**151[A]**	**111[A]**	**129[A]**	**131[A]**	**188[A]**	**212[A]**	**321[A]**
Dichloroethene, trans-1,2-	µg/L	5-[A]	**358[A]**	**134[A]**	**183[A]**	**120[A]**	**59.0[A]**	**115[A]**	**120[A]**	**83.6[A]**	**86.4[A]**	-	**196[A]**	**130[A]**	**115[A]**	**100[A]**	**98.9[A]**	**111[A]**	5.00 U
Dichloropropane, 1,2-	µg/L	1[A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	***2.00 U***	***4.00 U***	-	-	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***4.00 U***	***5.00 UL***
Dichloropropane, 1,3-	µg/L	5-[A]	-	-	-	-	-	-	***10 U***	2.00 U	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5-[A]	-	-	-	-	-	-	***10 U***	2.00 U	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4[p,A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	***2.00 U***	***4.00 U***	-	-	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***4.00 U***	***5.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4[p,A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	***2.00 U***	***4.00 U***	***10 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***4.00 U***	***5.00 U***
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	100 U	20.0 U	20.0 U	-	R	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U	25.0 U
Ethylbenzene	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	***2.00 U***	-	***10 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***4.00 U***	***5.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[B]	25.0 U	25.0 U	12.5 U	10.0 U	5.00 U	10.0 U	25 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	10.0 U	12.5 U
Isopropylbenzene	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	4.00 U	2.00 U	-	-	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Isopropyltoluene, p- (Cymene)	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	10.0 U	10.0 U	5.00 U	4.00 U	2.00 U	-	10 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[B]	50.0 U	50.0 U	25.0 U	20.0 U	10.0 U	20.0 U	**110[B]**	32.2	10.0 U	-	10.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	25.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	25.0 U	25.0 U	12.5 U	10.0 U	5.00 U	10.0 U	25 U	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	10.0 U	12.5 U
Methyl tert-butyl ether (MTBE)	µg/L	10[B]	10.0 U	10.0 U	5.00 U	4.00 U	2.00 U	-	10 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Methylcyclohexane	µg/L	n/v	10.0 U	10.0 U	5.00 U	4.00 U	2.00 U	-	10 U	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Methylene Chloride (Dichloromethane)	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	***10.0 U***	5.00 U	***10.0 U***	***25 U***	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	***10.0 U***	***12.5 U***
Naphthalene	µg/L	10[A]	***25.0 U***	***25.0 U***	***12.5 U***	10.0 U	5.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	4.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	***10.0 U***	5.00 U	***10.0 U***	***25 U***	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	***10.0 U***	***12.5 U***
Tetrachloroethane, 1,1,2,2-	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Tetrachloroethene (PCE)	µg/L	5-[A]	***10.0 U***	***10.0 U***	**6.71[A]**	4.92	**5.21[A]**	**5.59[A]**	***10 U***	2.00 U	2.00 U	-	2.00 U	1.38 J	2.36	2.93	3.37	2.15 J	4.69 JL
Toluene	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Trichlorobenzene, 1,2,3-	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	***10.0 U***	5.00 U	-	***25 U***	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	***10.0 U***	***12.5 U***
Trichlorobenzene, 1,2,4-	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	***10.0 U***	5.00 U	-	***25 U***	5.00 U	5.00 U	-	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	***10.0 U***	***12.5 U***
Trichloroethane, 1,1,1-	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Trichloroethane, 1,1,2-	µg/L	1[A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	***2.00 U***	***4.00 U***	***10 U***	***2.00 U***	***2.00 U***	-	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***4.00 U***	***5.00 U***
Trichloroethene (TCE)	µg/L	5-[A]	**431[A]**	**221[A]**	**264[A]**	**200[A]**	**139[A]**	**229[A]**	**230[A]**	**13.9[A]**	**20.3[A]**	-	**16.8[A]**	**9.94[A]**	**10.1[A]**	**15.2[A]**	**23.5[A]**	**14.2[A]**	**21.7[A]**
Trichlorofluoromethane (Freon 11)	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	-	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Trimethylbenzene, 1,2,4-	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	4.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5-[A]	***25.0 U***	***25.0 U***	***12.5 U***	4.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	10.0 U	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[A]	***10.0 U***	***10.0 U***	***5.00 U***	***4.00 U***	2.00 U	***4.00 U***	***10 U***	**23.6[A]**	**18.8[A]**	-	**78.3[A]**	**48.5[A]**	**55.5[A]**	**48.7[A]**	**75.8[A]**	**46.6[A]**	**59.2[A]**
Xylene, m & p-	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Xylene, o-	µg/L	5-[A]	***10.0 U***	***10.0 U***	5.00 U	4.00 U	2.00 U	4.00 U	***10 U***	2.00 U	2.00 U	-	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	4.00 U	5.00 U
Total VOC	µg/L	n/v	1,269	534	709.11	479.92	285.11	494.59	670	345.1	209.1	-	442.1	300.82	311.96	297.83	389.57	385.95	406.59
Miscellaneous Parameters																			
Arsenic	mg/L	0.025[A]	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	-	-	0.0194	-	-	-	-	-	-	-	-	-
Iron	mg/L	0.3[A]	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	-	-	**3.91 L[A]**	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.3[A]	0.092	0.021	0.033	0.041	0.015 U	-	-	0.0860 L	-	-	-	-	-	-	-	-	-
Sodium	mg/L	20[A]	**318[A]**	**346[A]**	**352[A]**	**342[A]**	**356[A]**	**361[A]**	**1,100[A]**	**302[A]**	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	n/v	3.2	3	3.2	2.9	3.3	3.2	1,200	164	12.0	4.70	-	2.5	6.14	3.52	2.0	1.6	2.9 S+

See notes on last page.

Table 1
Summary of Volatile Organic Compounds in Groundwater – September 2011 to October 2021
PERIODIC REVIEW REPORT, WARD STREET SITES
GERMANOW-SIMON CORPORATION
ROCHESTER, NY

Sample Location																			
Sample Date			27-Sep-11	27-Sep-11	6-Feb-12	2-Mar-12	6-Jun-12	6-Sep-12	24-Jan-13	12-Apr-13	5-Jul-13	10-Oct-13	10-Oct-13	18-Jun-15	10-Mar-16	10-Jan-18	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID			WSR-MW-207R-GW-12	WSR-MW-Dup-GW-13	WSR-MW-207R-GW-13	WSR-MW-207R-GW-14	WSR-MW-207R-GW-15	WSR-MW-207R-GW-16	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	MW207R	WSR-MW-207R-GW	MW-207R
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			P11-4089	P11-4089	12:0488	12:0936	12:2392	12:3694	13:0365	131283	132505	133909	133909	133925	152493	160970	180096	184937	194958	214498
Laboratory Sample ID			14074	14075	12:0488-04	12:0936-03	12:2392-03	12:3694-02	130365-02	131283-04	132505-04	133909-04	133925-06	152493-06	160970-05	180096-04	184937-05	194958-04	214498-01
Sample Type	Units	TOGS		Field Duplicate															
Volatile Organic Compounds																			
Acetone	µg/L	50[B]	50.0 U	50.0 U	***100 U***	***100 U***	50.0 U	50.0 U	50 U	50.0 U	***200 U***	-	***200 U***	***200 U***	***100 U***	***100 U***	***200 U***	***100 U***	29.2 J
Benzene	µg/L	1[A]	***3.50 U***	***3.50 U***	***7.00 U***	***7.00 U***	***3.50 U***	***3.50 U***	***3.5 U***	***3.50 U***	***14.0 U***	-	***20 U***	***20.0 U***	***10.0 U***	***10.0 U***	***20.0 U***	***10.0 U***	***5.00 UL***
Bromobenzene	µg/L	5--[A]	-	-	-	-	-	-	***25 U***	***25.0 U***	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[B]	10.0 U	10.0 U	20.0 U	20.0 U	10.0 U	10.0 U	10 U	10.0 U	40.0 U	-	40.0 U	40.0 U	20.0 U	20.0 U	40.0 U	20.0 U	10.0 UL
Bromoform (Tribromomethane)	µg/L	50[B]	25.0 U	25.0 U	50.0 U	50.0 U	25.0 U	25.0 U	25 U	25.0 U	***100 U***	-	***100 U***	***100 U***	50.0 U	50.0 U	***100 U***	50.0 U	25.0 U
Bromomethane (Methyl bromide)	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Butylbenzene, n-	µg/L	5--[A]	***25.0 U***	***25.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[A]	***25.0 U***	***25.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[A]	***25.0 U***	***25.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[B]	25.0 U	25.0 U	20.0 U	20.0 U	10.0 U	10.0 U	10 U	10.0 U	40.0 U	-	40.0 U	40.0 U	20.0 U	20.0 U	40.0 U	20.0 U	10.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Chlorobenzene (Monochlorobenzene)	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Chlorobromomethane	µg/L	5--[A]	***25.0 U***	***25.0 U***	***50.0 U***	***50.0 U***	***25.0 U***	-	***25 U***	***25.0 U***	***100 U***	-	***100 U***	***100 U***	***50.0 U***	***50.0 U***	***100 U***	***50.0 U***	***25.0 U***
Chloroethane (Ethyl Chloride)	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	50.0 U	50 U	50.0 U	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Chloromethane	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Cyclohexane	µg/L	n/v	50.0 U	50.0 U	100 U	100 U	50.0 U	-	50 U	50.0 U	200 U	-	200 U	200 U	100 U	100 U	200 U	100 U	50.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[A]	***50.0 U***	***50.0 U***	***100 U***	***100 U***	***50.0 U***	-	***50 U***	***50.0 U***	***200 U***	-	***200 U***	***200 U***	***100 U***	***100 U***	***200 U***	***100 U***	***50.0 U***
Dibromochloromethane	µg/L	50[B]	10.0 U	10.0 U	20.0 U	20.0 U	10.0 U	10.0 U	10 U	10.0 U	40.0 U	-	40.0 U	40.0 U	20.0 U	20.0 U	40.0 U	20.0 U	10.0 U
Dichlorobenzene, 1,2-	µg/L	3[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dichlorobenzene, 1,3-	µg/L	3[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dichlorobenzene, 1,4-	µg/L	3[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dichlorodifluoromethane (Freon 12)	µg/L	5--[A]	***25.0 U***	***25.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dichloroethane, 1,1-	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dichloroethane, 1,2-	µg/L	0.6[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dichloroethene, 1,1-	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dichloroethene, cis-1,2-	µg/L	5--[A]	**908[A]**	**913[A]**	**1,330[A]**	**1,480[A]**	**432[A]**	**98.4[A]**	**500[A]**	**250[A]**	**193[A]**	-	***40.0 U***	**537[A]**	**690[A]**	**1,940[A]**	**1,070[A]**	**932[A]**	**300[A]**
Dichloroethene, trans-1,2-	µg/L	5--[A]	**22.7[A]**	**22.3[A]**	***20.0 U***	***20.0 U***	**13.9[A]**	**26.0[A]**	**24[A]**	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	**14.7 J[A]**	**25[A]**	***40.0 U***	**15.5 J[A]**	***10.0 U***
Dichloropropane, 1,2-	µg/L	1[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	-	-	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 UL***
Dichloropropane, 1,3-	µg/L	5--[A]	-	-	-	-	-	-	***10 U***	***10.0 U***	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5--[A]	-	-	-	-	-	-	***10 U***	***10.0 U***	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4[B][A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	-	-	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dichloropropene, trans-1,3-	µg/L	0.4[B][A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	100 U	100 U	400 U	-	R	400 U	200 U	200 U	400 U	200 U	50.0 U
Ethylbenzene	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[B]	25.0 U	25.0 U	50.0 U	50.0 U	25.0 U	25.0 U	25 U	25.0 U	***100 U***	-	***100 U***	***100 U***	50.0 U	50.0 U	***100 U***	50.0 U	25.0 U
Isopropylbenzene	µg/L	5--[A]	***25.0 U***	***25.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	-	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Isopropyltoluene, p- (Cymene)	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	10.0 U	10.0 U	20.0 U	20.0 U	10.0 U	-	10 U	10.0 U	40.0 U	-	40.0 U	40.0 U	20.0 U	20.0 U	40.0 U	20.0 U	10.0 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[B]	50.0 U	50.0 U	***100 U***	***100 U***	50.0 U	50.0 U	**140[B]**	**61.0[B]**	***200 U***	-	***200 UJ***	***200 U***	***100 U***	***100 U***	***200 U***	***100 U***	50.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	25.0 U	25.0 U	50.0 U	50.0 U	25.0 U	25.0 U	25 U	25.0 U	100 U	-	100 U	100 U	50.0 U	50.0 U	100 U	50.0 U	25.0 U
Methyl tert-butyl ether (MTBE)	µg/L	10[B]	10.0 U	10.0 U	***20.0 U***	***20.0 U***	10.0 U	-	10 U	10.0 U	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	10.0 U
Methylcyclohexane	µg/L	n/v	10.0 U	10.0 U	20.0 U	20.0 U	10.0 U	-	10 U	10.0 U	40.0 U	-	40.0 U	40.0 U	20.0 U	20.0 U	40.0 U	20.0 U	10.0 U
Methylene Chloride (Dichloromethane)	µg/L	5--[A]	***25.0 U***	***25.0 U***	***50.0 U***	***50.0 U***	***25.0 U***	***25.0 U***	***25 U***	***25.0 U***	***100 U***	-	***100 U***	***100 U***	***50.0 U***	***50.0 U***	***100 U***	***50.0 U***	***25.0 U***
Naphthalene	µg/L	10[A]	***25.0 U***	***25.0 U***	***50.0 U***	***50.0 U***	***25.0 U***	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[A]	***25.0 U***	***25.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5--[A]	***25.0 U***	***25.0 U***	***50.0 U***	***50.0 U***	***25.0 U***	***25.0 U***	***25 U***	***25.0 U***	***100 U***	-	***100 U***	***100 U***	***50.0 U***	***50.0 U***	***100 U***	***50.0 U***	***25.0 U***
Tetrachloroethane, 1,1,2,2-	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Tetrachloroethene (PCE)	µg/L	5--[A]	**132[A]**	**130[A]**	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	**19[A]**	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 UL***
Toluene	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Trichlorobenzene, 1,2,3-	µg/L	5--[A]	***25.0 U***	***25.0 U***	***50.0 U***	***50.0 U***	***25.0 U***	-	***25 U***	***25.0 U***	***100 U***	-	***100 U***	***100 U***	***50.0 U***	***50.0 U***	***100 U***	***50.0 U***	***25.0 U***
Trichlorobenzene, 1,2,4-	µg/L	5--[A]	***25.0 U***	***25.0 U***	***50.0 U***	***50.0 U***	***25.0 U***	-	***25 U***	***25.0 U***	***100 U***	-	***100 U***	***100 U***	***50.0 U***	***50.0 U***	***100 U***	***50.0 U***	***25.0 U***
Trichloroethane, 1,1,1-	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Trichloroethane, 1,1,2-	µg/L	1[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Trichloroethene (TCE)	µg/L	5--[A]	**182[A]**	**184[A]**	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	**55[A]**	***10.0 U***	***40.0 U***	-	***40.0 U***	**20.5 J[A]**	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Trichlorofluoromethane (Freon 11)	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Trimethylbenzene, 1,2,4-	µg/L	5--[A]	***25.0 U***	***25.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[A]	***25.0 U***	***25.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	25.0 U	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[A]	**203[A]**	**213[A]**	**1,010[A]**	**936[A]**	**627[A]**	**184[A]**	**1,000[A]**	**327[A]**	**1,850[A]**	-	**451[A]**	**829[A]**	**582[A]**	**2,000[A]**	**1,700[A]**	**1,140[A]**	**465[A]**
Xylene, m & p-	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Xylene, o-	µg/L	5--[A]	***10.0 U***	***10.0 U***	***20.0 U***	***20.0 U***	***10.0 U***	***10.0 U***	***10 U***	***10.0 U***	***40.0 U***	-	***40.0 U***	***40.0 U***	***20.0 U***	***20.0 U***	***40.0 U***	***20.0 U***	***10.0 U***
Total VOC	µg/L	n/v	1,447.7	1,462.3	2,340	2,416	1,072.9	308.4	1,738	638	2,043	-	451	1,386.5	1,286.7	3,965	2,770	-	794.2
Miscellaneous Parameters																			
Arsenic	mg/L	0.025[A]	-	-	0.010 U	0.014	0.010 U	-	-	0.0100 U	-	-	-	-	-	-	-	-	-
Iron	mg/L	0.3.[A]	-	-	0.100 U	0.100 U	0.100 U	-	-	0.100 U	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.3.[A]	-	-	0.045	0.145	0.057	-	-	0.0207	-	-	-	-	-	-	-	-	-
Sodium	mg/L	20[A]	-	-	**543[A]**	**439[A]**	**538[A]**	**531[A]**	**840[A]**	**493[A]**	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	n/v	-	-	18.5	8.7	9.4	1.7	530	131	28.0	18.4	-	4.1	11.7	5.91	3.5	2.1	3.1

See notes on last page.

Table 1
Summary of Volatile Organic Compounds in Groundwater – September 2011 to October 2021
PERIODIC REVIEW REPORT, WARD STREET SITES
GERMANOW-SIMON CORPORATION
ROCHESTER, NY

Sample Location														Trip Blank										
Sample Date			4-Jan-12	5-Jan-12	2-Feb-12	3-Feb-12	6-Feb-12	29-Feb-12	1-Mar-12	2-Mar-12	4-Jun-12	5-Jun-12	6-Jun-12	4-Sep-12	5-Sep-12	6-Sep-12	22-Jan-13	23-Jan-13	24-Jan-13	10-Apr-13	11-Apr-13	12-Apr-13	2-Jul-13	3-Jul-13	5-Jul-13
Sample ID			Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			P12-0041	P12-0069	12:0443	12:0472	12:0488	12:0868	12:0906	12:0936	12:2335	12:2364	12:2392	12:3644	12:3668	12:3694	13:0329	13:0353	13:0365	131242	131259	131283	132471	132490	132505
Laboratory Sample ID			12:0041-01	12:0069-01	12:0443-01	12:0472-01	12:0488-01	12:0868-01	12:0906-01	12:0936-01	12:2335-01	12:2364-01	12:2392-01	12:3644-01	12:3668-01	12:3694-01	130329-01	130353-01	130365-01	131242-01	131259-01	131283-01	132471-01	132490-01	132505-01
Sample Type	Units	TOGS	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds																									
Acetone	µg/L	50[B]	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	28.1 B	10.0 U	10.0 U	10 U	10 U	10 U	13.3	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	µg/L	1[A]	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.70 U	0.70 U	0.70 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U	0.700 U
Bromobenzene	µg/L	5--[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[B]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromomethane (Methyl bromide)	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Butylbenzene, n-	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[B]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobromomethane	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	-	-	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	10.0 U	10.0 U	10.0 U	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Cyclohexane	µg/L	n/v	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	-	-	-	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[A]	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	-	-	-	***10 U***	***10 U***	***10 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***
Dibromochloromethane	µg/L	50[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,1-	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, trans-1,2-	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropane, 1,2-	µg/L	1[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropane, 1,3-	µg/L	5--[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5--[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4$_b$[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4$_b$[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dioxane, 1,4-	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20 U	20 U	20 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Ethylbenzene	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	-	-	-	***2.0 U***	***2.0 U***	***2.0 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[B]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Isopropylbenzene	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Isopropyltoluene, p- (Cymene)	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[B]	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10 U	10 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Methyl tert-butyl ether (MTBE)	µg/L	10[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylcyclohexane	µg/L	n/v	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Naphthalene	µg/L	10[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	-	-	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	-	-	-	5.0 U	5.0 U	5.0 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethane, 1,1,1-	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.0 U***	***2.0 U***	***2.0 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trimethylbenzene, 1,2,4-	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5--[A]	5.00 U	5.00 U	5.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	5.00 U	5.00 U	5.00 U	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, m & p-	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, o-	µg/L	5--[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.0 U	2.0 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Total VOC	µg/L	n/v	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.1	ND	ND	ND	ND	ND	13.3	ND	ND	0	0	0
Miscellaneous Parameters																									
Arsenic	mg/L	0.025[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron	mg/L	0.3[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.3[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	mg/L	20[A]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on last page.

Table 1
Summary of Volatile Organic Compounds in Groundwater – September 2011 to October 2021
PERIODIC REVIEW REPORT, WARD STREET SITES
GERMANOW-SIMON CORPORATION
ROCHESTER, NY

Sample Location							Trip Blank				
Sample Date			8-Oct-13	9-Oct-13	10-Oct-13	17-Jun-15	9-Mar-16	10-Jan-18	16-Oct-18	3-Oct-19	30-Sep-21
Sample ID			Trip Blank	Trip Blank	Trip Blank	TRIP-06172015, T-633	Trip Blank (T-693)	Trip Blank T-803	Trip Blank	Trip Blank	Trip Blank T1072
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH	PARAROCH
Laboratory Work Order			133927	133926	133925	152493	160970	180096	184937	194958	214498
Laboratory Sample ID			133927-01	133926-01	133925-01	152493-04	160970-07	180096-07	184937-07	194958-07	214498-06
Sample Type	Units	TOGS	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds											
Acetone	µg/L	50[B]	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	5.33 JB
Benzene	µg/L	1[A]	1 U	1 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Bromobenzene	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	50[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Bromoform (Tribromomethane)	µg/L	50[B]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bromomethane (Methyl bromide)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Butylbenzene, n-	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Butylbenzene, tert-	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Carbon Disulfide	µg/L	60[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobenzene (Monochlorobenzene)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chlorobromomethane	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Chloroethane (Ethyl Chloride)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloroethyl Vinyl Ether, 2-	µg/L	n/v	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	µg/L	7[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Chloromethane	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Cyclohexane	µg/L	n/v	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[A]	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***	***10.0 U***
Dibromochloromethane	µg/L	50[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,2-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,3-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorobenzene, 1,4-	µg/L	3[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichlorodifluoromethane (Freon 12)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,1-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethane, 1,2-	µg/L	0.6[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloroethene, 1,1-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloroethene, cis-1,2-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	1.12 J
Dichloroethene, trans-1,2-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Dichloropropane, 1,2-	µg/L	1[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropane, 1,3-	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Dichloropropane, 2,2-	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Dichloropropene, cis-1,3-	µg/L	0.4[p][A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dichloropropene, trans-1,3-	µg/L	0.4[p][A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Dioxane, 1,4-	µg/L	n/v	R	R	R	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	10.0 U
Ethylbenzene	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[B]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Isopropylbenzene	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Isopropyltoluene, p- (Cymene)	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Methyl Acetate	µg/L	n/v	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[B]	10.0 UJ	10.0 UJ	10.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Methyl tert-butyl ether (MTBE)	µg/L	10[B]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylcyclohexane	µg/L	n/v	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Methylene Chloride (Dichloromethane)	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Naphthalene	µg/L	10[A]	-	-	-	-	-	-	-	-	-
Propylbenzene, n-	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Styrene	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Tetrachloroethane, 1,1,2,2-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Tetrachloroethene (PCE)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Toluene	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorobenzene, 1,2,3-	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichlorobenzene, 1,2,4-	µg/L	5-[A]	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Trichloroethane, 1,1,1-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichloroethane, 1,1,2-	µg/L	1[A]	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***	***2.00 U***
Trichloroethene (TCE)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorofluoromethane (Freon 11)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Trimethylbenzene, 1,2,4-	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Trimethylbenzene, 1,3,5-	µg/L	5-[A]	-	-	-	-	-	-	-	-	-
Vinyl Acetate	µg/L	n/v	-	-	-	-	-	-	-	-	-
Vinyl Chloride	µg/L	2[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, m & p-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Xylene, o-	µg/L	5-[A]	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
Total VOC	µg/L	n/v	ND	ND	ND	ND	ND	ND	ND	ND	6.45
Miscellaneous Parameters											
Arsenic	mg/L	0.025[A]	-	-	-	-	-	-	-	-	-
Iron	mg/L	0.3.[A]	-	-	-	-	-	-	-	-	-
Manganese	mg/L	0.3.[A]	-	-	-	-	-	-	-	-	-
Sodium	mg/L	20[A]	-	-	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	n/v	-	-	-	-	-	-	-	-	-

Notes:

TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
[A]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
[B]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.50 U	Laboratory reporting limit was greater than the applicable standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
.	The standard for Iron and Manganese is 500 ug/L, which applies to the sum of these substances. As individual standards, the standard is 300 ug/L.
..	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
[p]	Applies to the sum of cis- and trans-1,3-dichloropropene.
B	Method blank contained trace levels of analyte. Refer to included method blank report.
J	The reported result is an estimated value.
L	Laboratory Control Sample recovery outside accepted QC limits.
M	Denotes matrix spike recoveries outside QC limits. Matrix bias indicated.
ND	Not detected.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
S+	LCS Spike recovery is above acceptable limits
UJ	Indicates estimated non-detect.

Table 2
SUMMARY OF FIELD PARAMETERS IN GROUNDWATER - SEPTEMBER 2011 TO OCTOBER 2021

Ward Street Sites
Germanow-Simon Corporation
Rochester, NY

Area of interest		On-Site Area 1: Building B Annex															
Sample Location		MW105															
Sample Date		28-Sep-11	4-Jan-12	2-Feb-12	29-Feb-12	4-Jun-12	4-Sep-12	22-Jan-13	11-Apr-13	2-Jul-13	8-Oct-13	18-Jun-15*	10-Mar-16	10-Jan-18*	24-Oct-18	08-Oct-19*	5-Oct-21
Sample ID		WSR-MW-105-GW-12	WSR-MW-105-GW-13	WSR-MW-105-GW-14	WSR-MW-105-GW-15	WSR-MW-105-GW-16	WSR-MW-105-GW-17	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW	WSR-MW-105-GW
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Field Parameters	**Units**																
Color (Visual)	none	clear	clear	clear	clear	clear	cloudy	clear	Black precipitate	clear with some brown precipitate	clear	cloudy	clear	slightly cloudy		brown turbid (after bailing)	
Conductivity, Field	mS/cm	2.50	2.72	0.267	2.36	0.318	2.60	4.66	2.71	2.55	2.76	2.24	2.31	2.08	2.02	2.039	2.00
Dissolved Oxygen, Field	mg/L	0.00	0.53	0.00	0.25	0.97	0.53	0.17	0.79	0.32	0.21	0.42	0.35	0.33	0.48	0.26	0.27
Odor	none	none	no odor	no odor	no odor	sulfur odor	no odor	sulfur odor	Strong sulfur odor	none	none	none	slight sulfur	none	none	none	none
Oxidation Reduction Potential	mV	111	227	297	235	-132	195.3	-199.2	-219.6	-152.6	-70.2	-28.0	-90.2	-27.5	-91.8	-8.4	-62.4
pH, Field	S.U.	6.87	7.25	7.28	7.33	7.09	7.16	6.90	7.37	8.47	7.26	7.18	7.22	7.14	7.19	7.18	7.84
Temperature, Field	deg C	20.46	20.49	19.22	20.43	19.4	21.3	18.9	18.7	19.6	19.4	19.2	19.6	20.0	21.2	20.7	21.8
Turbidity, Field	NTU	58.5	31.3	3.44	9.75	4.41	17.6	4.99	4.36	5.56	3.56	47.8	13.0	20.3	25.8	91.19	6.58
Volume Purged	gal	0.6	3 ~	3.5 ~	2.0	1.0	1.1	2.7	1.3	1.35	1.0	0.3	1.3	1.2	0.7	0.6	1.0

See Notes on Last Page

Table 2
SUMMARY OF FIELD PARAMETERS IN GROUNDWATER - SEPTEMBER 2011 TO OCTOBER 2021

Ward Street Sites
Germanow-Simon Corporation
Rochester, NY

Area of interest		On-Site Area 1: Building B Annex														
Sample Location		MW207R														
Sample Date		27-Sep-11	6-Feb-12	2-Mar-12	6-Jun-12	6-Sep-12	24-Jan-13	12-Apr-13	5-Jul-13	10-Oct-13	18-Jun-15	10-Mar-16	10-Jan-18*	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID		WSR-MW-207R-GW-12	WSR-MW-207R-GW-13	WSR-MW-207R-GW-14	WSR-MW-207R-GW-15	WSR-MW-207R-GW-16	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW	WSR-MW-207R-GW
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Field Parameters	**Units**															
Color (Visual)	none	clear	clear w/ black flecks	clear w/ black flecks	clear	clear w/ black flecks	murky w/ black flecks	Black precipitate	clear with black precipitate	clear with black particulates	slightly yellow	clear	clear	clear	clear with black, fine suspended material	
Conductivity, Field	mS/cm	0.50	0.541	4.32	0.490	4.59	49.93	3.85	4.00	3.57	3.84	3.48	3.36	3.60	4.648	9.72
Dissolved Oxygen, Field	mg/L	0.7	0.00	0.00	0.62	0.41	0.36	0.74	0.15	0.14	0.67	0.4	0.10	0.18	0.12	0.33
Odor	none	sulfur odor	odor	sulfur odor	strong sulfur odor	sulfur	sulfur odor	odor	strong sulfur odor	strong sulfur odor	sulfur odor	sulfur odor	sulfur odor	strong sulfur odor	sulfur odor	sulfur odor
Oxidation Reduction Potential	mV	-134	-345	-374	-358	-301.6	-351.9	-346.1	-349.2	-288.8	-248.2	-67.0	-104.5	-278.4	-141.3	-71.4
pH, Field	S.U.	6.93	6.73	7.22	6.68	6.87	6.77	8.04	6.78	6.93	6.79	7.00	6.93	7.06	6.76	6.70
Temperature, Field	deg C	17.9	14.27	13.28	15.9	20.1	14.0	11.7	18.7	18.6	15.0	14.2	14.0	16.0	16.2	18.6
Turbidity, Field	NTU	4.21	-0.29	5.79	0.70	3.92	1.72	2.31	3.53	3.66	1.52	2.29	2.40	1.0	55.04**	1.41
Volume Purged	gal	1.5	1.1	0.5	1.3	1.2	3.6	1.6	2.0	1.5	1.5	1.6	1.1	0.7	0.7	0.75

See Notes on Last Page

Table 2
SUMMARY OF FIELD PARAMETERS IN GROUNDWATER - SEPTEMBER 2011 TO OCTOBER 2021

Ward Street Sites
Germanow-Simon Corporation
Rochester, NY

Area of interest		Off-Site Area 1: MW-16/ Ward Street														
Sample Location		MW16														
Sample Date		27-Sep-11	3-Feb-12	2-Mar-12	5-Jun-12	5-Sep-12	23-Jan-13	11-Apr-13	3-Jul-13	9-Oct-13	17-Jun-15*	9-Mar-16	10-Jan-18*	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID		WSR-MW-16-GW-18	WSR-MW-16-GW-19	WSR-MW-16-GW-20	WSR-MW-16-GW-21	WSR-MW-16-GW-22	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW	WSR-MW-16-GW
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Field Parameters	**Units**															
Color (Visual)	none	sl.red	clear	slightly cloudy	clear	clear	clear	clear with black precipitate	clear with black precipitate	clear with black specks	clear with black sulfide deposits	clear with black sulfide deposits	slightly cloudy with light to dark colored suspended material	none	clear with black suspended material	clear with black suspended material
Conductivity, Field	mS/cm	6.72	0.762	2.33	0.843	10.52	7.63	10.63	9.73	10.13	11.94	12.76	8.50	7.56	5.511	3.16
Dissolved Oxygen, Field	mg/L	0	0.0	0.00	1.09	0.40	0.51	0.8	0.19	0.10	0.35	0.13	0.17	0.26	0.13	0.16
Odor	none	0	no odor	no odor	no odor	sulfur	sewage odor	Sulfur odor	slight sulfur odor	sulfur odor	none	sulfur odor	slight sulfur odor	none	slight sulfur odor	none
Oxidation Reduction Potential	mV	-107	-259	-181	-291	-319.5	-208.0	-361.2	-207.6	-188.0	-150.0	-120.2	-115.1	-164.4	-140.3	-120.8
pH, Field	S.U.	6.82	7.13	7.52	7.20	7.26	7.06	7.10	7.13	7.33	7.08	7.06	7.19	7.46	7.41	7.59
Temperature, Field	deg C	19.29	11.68	11.23	19.6	21.7	8.7	8.3	18.1	19.3	16.5	14.9	11.8	17.8	17.3	20.0
Turbidity, Field	NTU	30	11.1	17.6	37.0	7.11	1.01	4.55	8.59	11.4	8.98	11.55	15.0	1.89	17.27	12.0
Volume Purged	gal	0.9	3.0	1.9	0.5	1.1	2.8	3.3	1.3	0.8	1.0	1.1	0.4	0.3	1.2	not recorded

See Notes on Last Page

Table 2
SUMMARY OF FIELD PARAMETERS IN GROUNDWATER - SEPTEMBER 2011 TO OCTOBER 2021

Ward Street Sites
Germanow-Simon Corporation
Rochester, NY

Area of interest		Off-Site Area 1: MW-16/ Ward Street															
Sample Location		MW16R															
Sample Date		28-Sep-11	5-Jan-12	3-Feb-12	1-Mar-12	5-Jun-12	5-Sep-12	23-Jan-13	11-Apr-13	3-Jul-13	9-Oct-13	17-June-15*	9-Mar-16	10-Jan-18*	24-Oct-18	08-Oct-19	05-Oct-21
Sample ID		WSR-MW-16R-GW-18	WSR-MW-16R-GW-19	WSR-MW-16R-GW-20	WSR-MW-16R-GW-21	WSR-MW-16R-GW-22	WSR-MW-16R-GW-23	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW	WSR-MW-16R-GW
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Field Parameters	**Units**																
Color (Visual)	none	clear	clear	clear	clear w/ black flecks	clear	clear	murky	Slightly clouded	clear with black precipitate	clear with black precipitate	clear with black particulate	clear with black particulate	clear with fine light to dark suspended material	clear	mostly clear with dark suspended material	clear
Conductivity, Field	mS/cm	4.31	3.75	0.782	4.90	0.629	5.19	5.32	4.06	4.40	2.67	8.04	3.72	3.96	2.91	4.875	1.03
Dissolved Oxygen, Field	mg/L	1.12	2.63	0.00	0.00	1.00	0.16	0.90	0.76	0.25	0.14	0.16	0.11	0.34	1.35	0.14	0.08
Odor	none	none	no odor	no odor	stale odor	no odor	sulfur	sulfur	Sulfur odor	slight sulfur odor	sulfur odor	none	none	sulfur odor	none	none	none
Oxidation Reduction Potential	mV	-62	104	-247	-196	-247	-328.6	-346.8	-313.9	-354.5	-264.3	-205.9	-144.3	-143.1	-155.9	-163.5	-133.9
pH, Field	S.U.	6.56	7.53	6.84	7.04	6.53	6.96	6.76	7.04	6.90	6.58	7.00	6.95	6.89	6.99	6.84	7.21
Temperature, Field	deg C	17.78	7.26	12.28	10.95	18.3	20.9	11.1	8.3	19.0	19.7	16.0	17.2	10.6	16.7	16.7	18.3
Turbidity, Field	NTU	37	44.3	12.7	29	15.0	11.48	3.97	13.9	12.50	6.42	9.79	3.76	14.1	3.92	26.33	1.92
Volume Purged	gal	1.0	0.6	2.7	2.1	0.8	1.9	1.2	2.8	2.0	1.1	0.3	1.4	0.8	1.6	1.3	0.75

See Notes on Last Page

Table 2
SUMMARY OF FIELD PARAMETERS IN GROUNDWATER - SEPTEMBER 2011 TO OCTOBER 2021

Ward Street Sites
Germanow-Simon Corporation
Rochester, NY

Area of interest		8-28 Ward St															
Sample Location		MW23															
Sample Date		28-Sep-11	5-Jan-12	6-Feb-12	2-Mar-12	5-Jun-12	6-Sep-12	24-Jan-13	10-Apr-13	5-Jul-13	10-Oct-13	17-Jun-15*	9-Mar-16	10-Jan-18*	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID		WSR-MW-23-GW-7	828-MW-23-GW-8	828-MW-23-GW-9	828-MW-23-GW-10	828-MW-23-GW-11	828-MW-23-GW-12	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW	828-MW-23-GW
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Field Parameters	**Units**																
Color (Visual)	none	clear	clear	clear w/ black flecks	clear w/ black flecks	clear, no black flecks	clear/black pieces	clear w/ black flecks	Black precipitate	clear with black precipitate	clear with black precipitate	slightly yellow, brown particulate		clear, few fine black suspended particles	clear	mostly clear with light-colored suspended material	dark grey suspended solids observed initially
Conductivity, Field	mS/cm	7.37	7.12	0.596	6.06	0.828	6.62	4.66	4.38	3.48	5.96	4.34	5.21	4.39	3.72	3.919	4.87
Dissolved Oxygen, Field	mg/L	0.0	2.61	0.00	0.00	0.42	0.16	0.35	0.22	0.11	0.13	0.47	0.32	0.28	0.25	0.06	0.06
Odor	none	none	no odor	no odor	no odor	no odor	no odor	sewage odor	No odor	slight sulfur odor	sulfur odor	none	none	none	none	none	none
Oxidation Reduction Potential	mV	31	-135	-187	-238	-211	-147.1	-232.0	-149.2	-271.7	-149.3	-101.3	-22.2	-76.6	-74.4	-139.8	-125.9
pH, Field	S.U.	6.66	6.73	7.09	7.57	6.71	7.04	7.09	7.13	6.44	6.93	7.13	7.09	7.04	7.08	6.84	7.40
Temperature, Field	deg C	14.63	11.85	6.47	12.18	13.8	21.0	11.0	9.8	18.1	15.3	15.8	12.7	11.8	14.7	17.2	17.6
Turbidity, Field	NTU	45	12.2	9.78	24	1.35	9.14	3.72	9.72	9.23	3.66	25.3	8.52	37.0	23.9	150	14.1
Volume Purged	gal	2.1	1.6	0.5	0.6	2.5	1.6	0.9	1.0	1.1	1.2	0.8	1.7	0.8	0.8	1.3	2.75

See Notes on Last Page

Table 2
SUMMARY OF FIELD PARAMETERS IN GROUNDWATER - SEPTEMBER 2011 TO OCTOBER 2021

Ward Street Sites
Germanow-Simon Corporation
Rochester, NY

Area of interest		8-28 Ward St															
Sample Location		MW23R															
Sample Date		28-Sep-11	5-Jan-12	6-Feb-12	2-Mar-12	5-Jun-12	6-Sep-12	24-Jan-13	10-Apr-13	5-Jul-13	10-Oct-13	17-Jun-15	9-Mar-16	10-Jan-18*	24-Oct-18	8-Oct-19	5-Oct-21
Sample ID		WSR-MW-23R-GW-7	828-MW-23R-GW-8	828-MW-23R-GW-9	828-MW-23R-GW-10	828-MW-23R-GW-11	828-MW-23R-GW-12	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW	828-MW-23R-GW
Sampling Company		STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Field Parameters	**Units**																
Color (Visual)	none	clear	clear w/ black flecks	clear w/ black flecks	clear w/ black flecks	clear w/ black flecks	black	murky	0	clear with black precipitate	clear with black precipitate	clear, black sulfide deposits	clear, black sulfide deposits	clear, fine black suspended particles			
Conductivity, Field	mS/cm	3.44	4.24	0.671	7.03	0.635	4.74	6.34	6.52	6.45	5.28	5.18	4.78	4.14	3.86	3.896	5.85
Dissolved Oxygen, Field	mg/L	0.00	0.00	0.00	0.00	0.57	0.24	0.33	0.11	0.11	0.41	0.14	0.09	0.13	1.17	0.09	0.09
Odor	none	none	no odor	odor	sulfur odor	no odor	sulfur	slight sulfur odor	0	strong sulfur odor	strong sulfur odor	sulfur odor	sulfur odor	sulfur odor	none	none	none
Oxidation Reduction Potential	mV	-23	-168	-262	-317	-211	-375.3	-438.3	-358.9	-408.0	-347.1	-307.0	-138.5	-190.7	-122.2	-173.9	-104.8
pH, Field	S.U.	6.63	7.38	6.71	6.86	6.59	7.02	6.65	6.67	6.79	6.97	7.16	7.25	7.26	7.25	6.96	7.28
Temperature, Field	deg C	22.26	12.61	11.12	12.97	16.1	19.7	11.5	10.8	17.5	15.5	14.3	14.2	11.1	14.6	15.7	16.6
Turbidity, Field	NTU	3.3	6.24	1.04	11.3	3.27	0.92	1.60	1.25	0.82	3.84	2.87	3.58	8.97	1.88	3.97	0.63
Volume Purged	gal	0.7	1.3	1.7	2.2	1.1	1.4	1.5	2.3	2.3	0.9	1.8	1.5	0.75	0.3	1.7	1.5

See Notes on Last Page

Table 2
SUMMARY OF FIELD PARAMETERS IN GROUNDWATER - SEPTEMBER 2011 TO OCTOBER 2021

Ward Street Sites
Germanow-Simoan Corporation
Rochester, NY

Notes:

deg C - degrees Celsius

gal - gallons

mg/l - milligrams per liter

mS/cm - milliSiemens per centimeter

mV - millivolts

NTU - nephelometric turbidity unit

S.U. - standard units

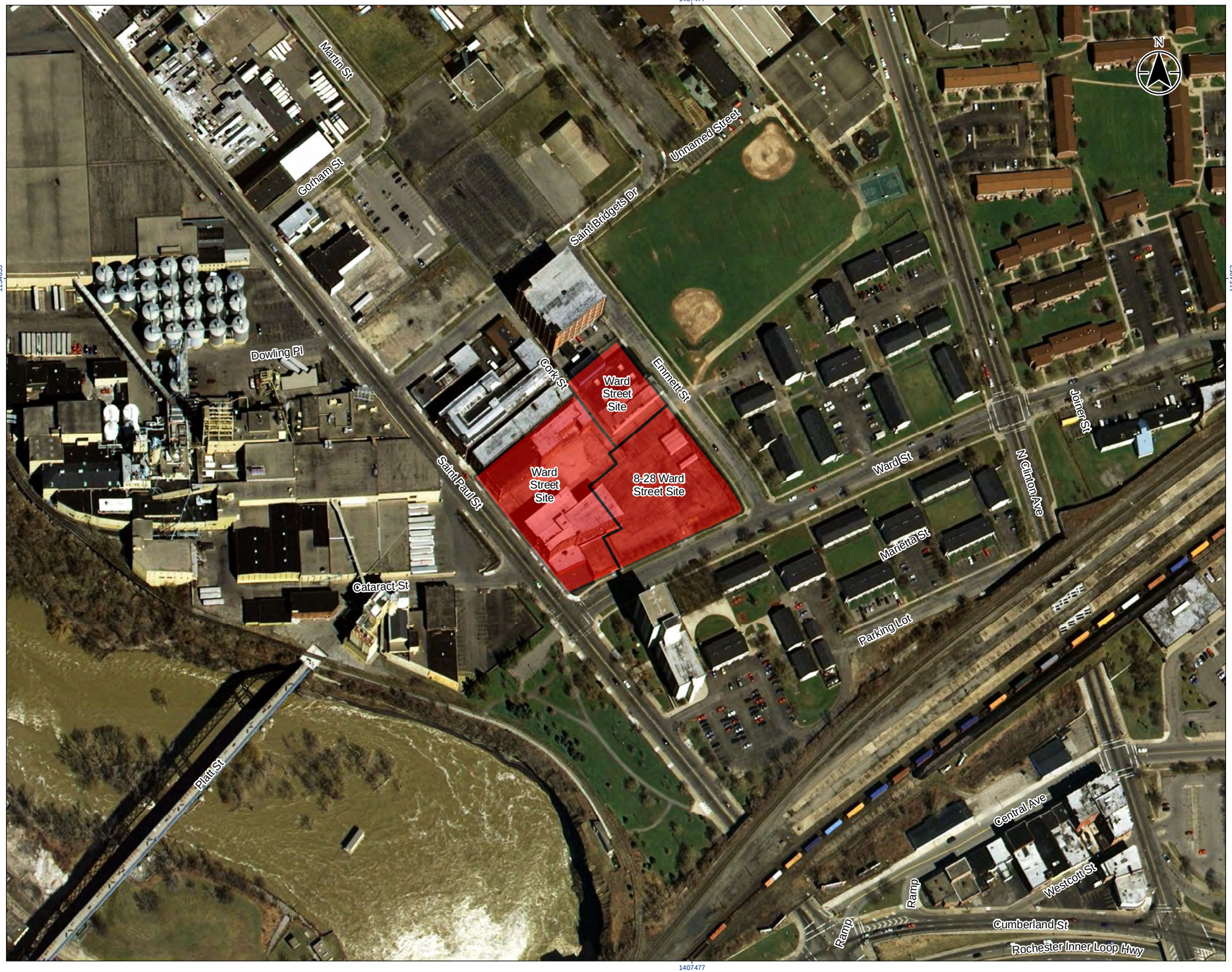
* During the June 2015, January 2018 events, as well as October 2019 for WSR-MW-105-GW, excessive drawdown at the indicated wells resulted in a switch from low-flow purging to volumetric purgeby bailer. The parameters reported here, including the volume purged, are from the end of low-flow purging.

** Water is clear and there is no visual indication of rising turbidity (DSS is flowmeter turbidity)

FIGURES

1407477

1154853



1407477

1154853

Stantec

Legend

Site Boundary

0 0.03 0.06 Miles

1:2,400 (At original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2013.
3. Orthoimagery © First Base Solutions, 20xx.

Project Location
Ward Street
C. of Rochester, Monroe Co., NY

190500014
Prepared by MB on 2011-02-XX
Technical Review by AL on 2013-XX-XX
Independent Review by MPS

Client/Project

Ward Street Site (C828117) and
8-28 Ward Street Site (C828136)

Figure No.
1

Title
Site Location Map

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

U:\1405206\GIS\Location Figure\Fig 1 Site Location Map_20181129_updated.mxd Revised: 2018-11-30 By: jkelly

Stantec

Legend

Well Network

- Monitoring Well Sampled in October 2021 (*see Note 3)
- Other Monitoring Well
- Extraction Well (inactive)
- Excavation Area (October 2017)
- 8-28 Ward Street Site Property Line
- Ward Street Site Property Line
- As-Built Trenching Limits

0 40 80 Feet

1:480 (At original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet.
2. Orthoimagery (2015) downloaded from gis.ny.gov. Key Map basemap: ArcGIS World Street Map.
3. *No sample for laboratory analysis was collected at monitoring well MW-23R in accordance with NYSDEC's approval of the 2020 PRR recommendation that sampling be discontinued at this well. NYSDEC required that water level, dissolved oxygen, and oxidation-reduction potential continue to be monitored bi-annually.

Project Location
Ward Street
C. of Rochester, Monroe Co., NY

190501001
Prepared by LB on 2018-05-11
Technical Review by RJM on 2018-05-xx
Independent Review by MPS on 2018-05-xx

Client/Project
Groundwater Monitoring
Ward Street Site (C828117) and
8-28 Ward Street Site (C828136)

Figure No.
2

Title
Well Locations

FIGURE 3A: Dissolved-Phase VOC Concentrations versus Time - MW-16

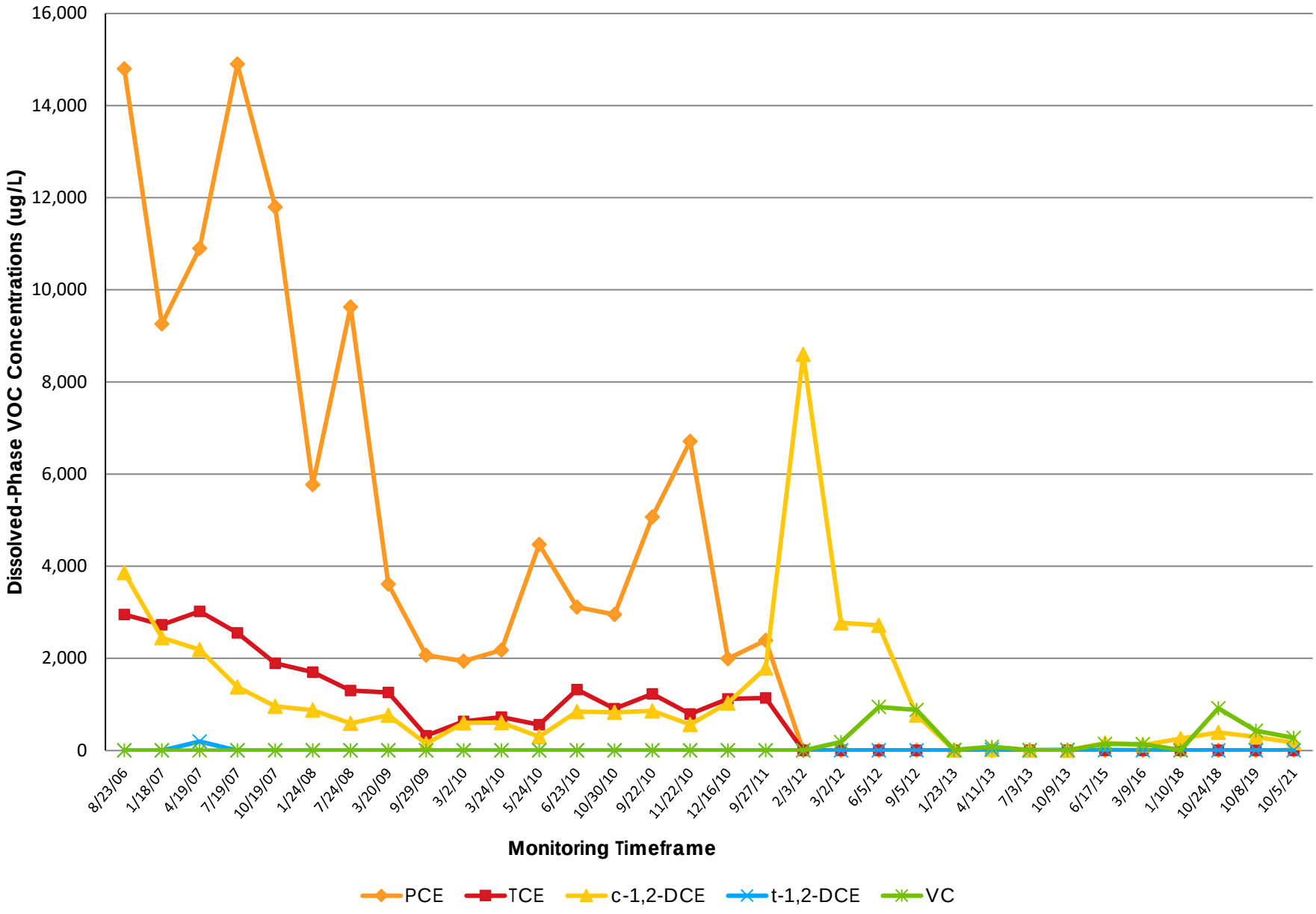


FIGURE 3B: Dissolved-Phase VOC Concentrations versus Time - MW-16R

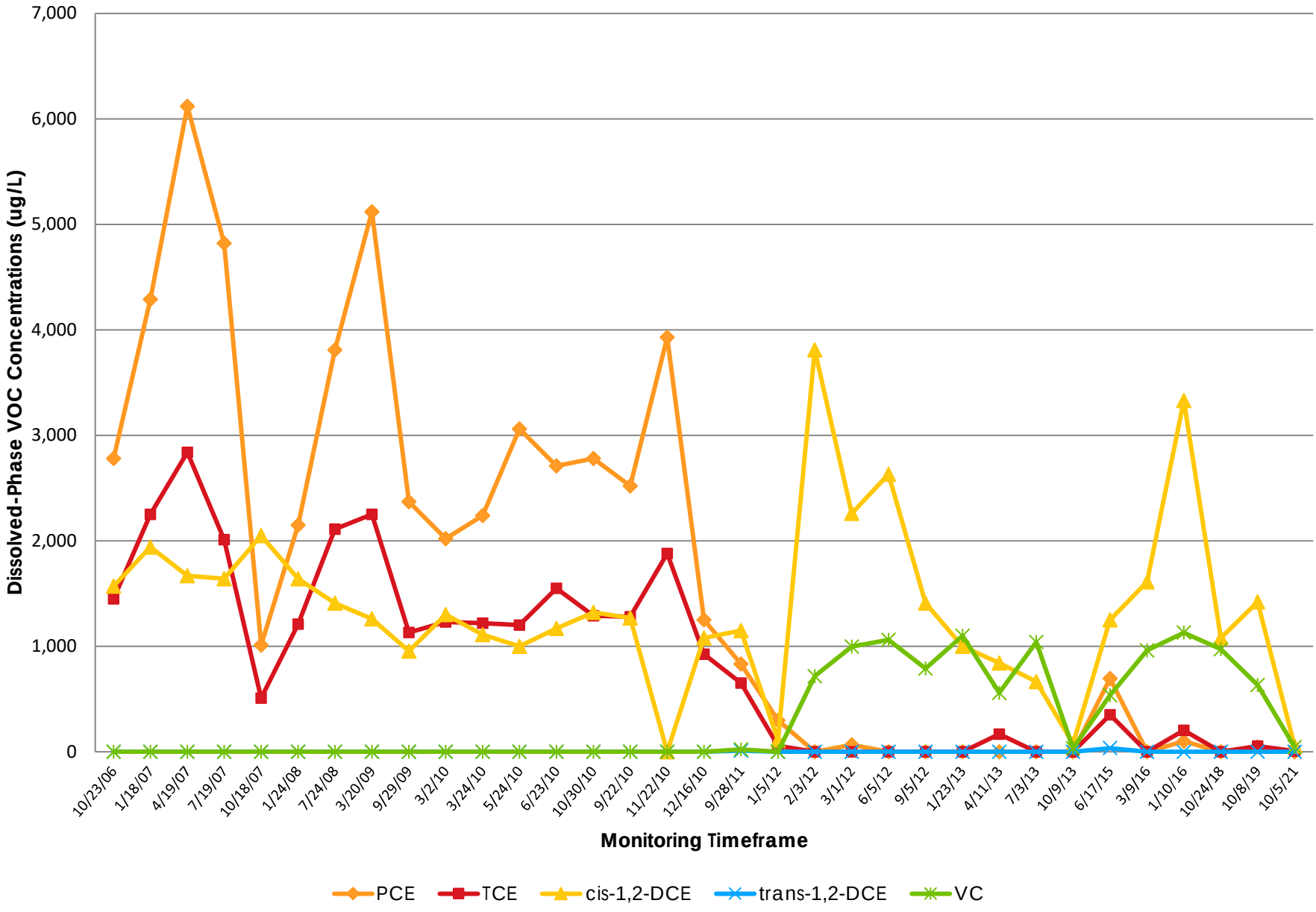


FIGURE 3C: Dissolved-Phase VOC Concentrations versus Time - MW-23

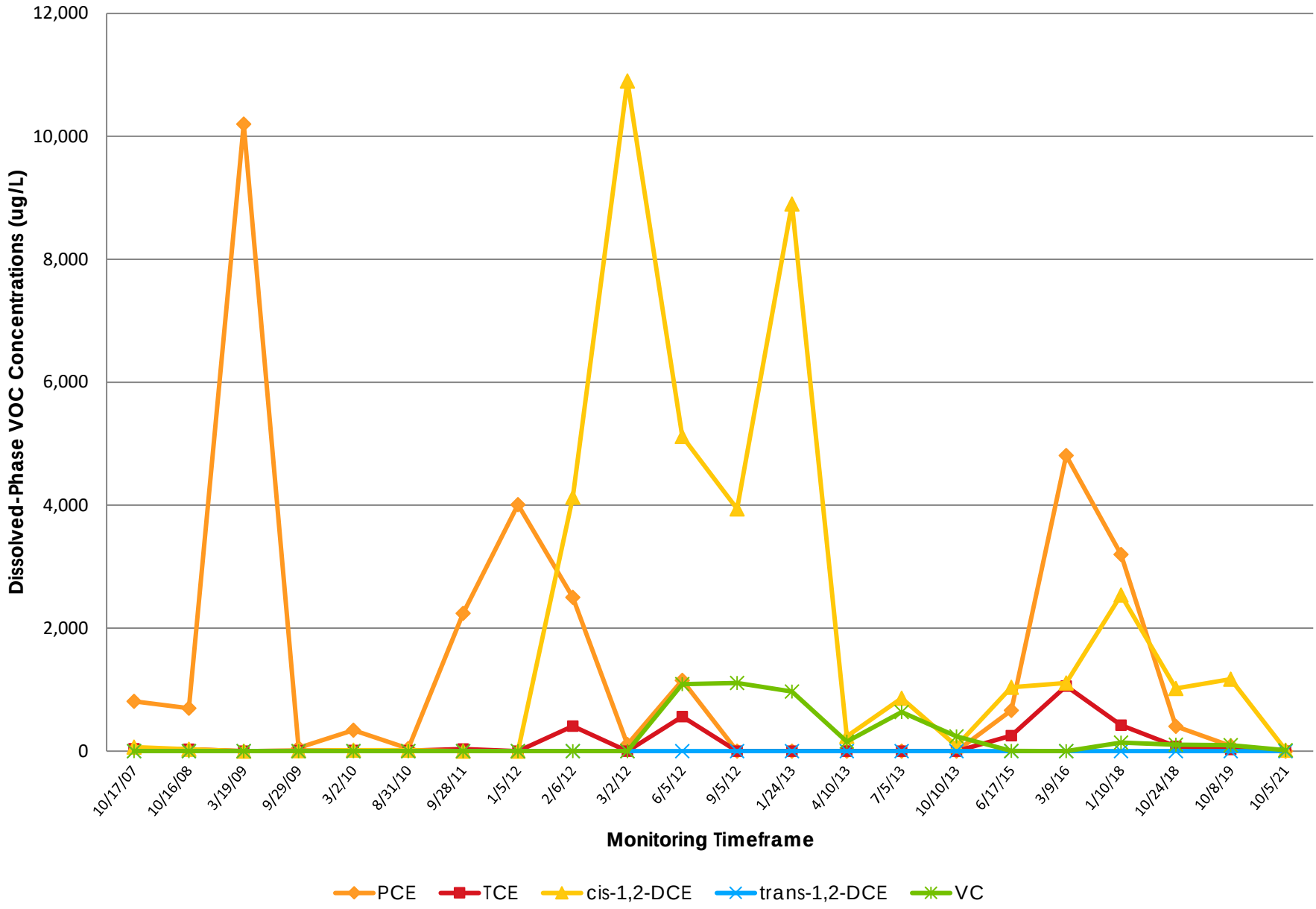


FIGURE 3D: Dissolved-Phase VOC Concentrations versus Time - MW-23R

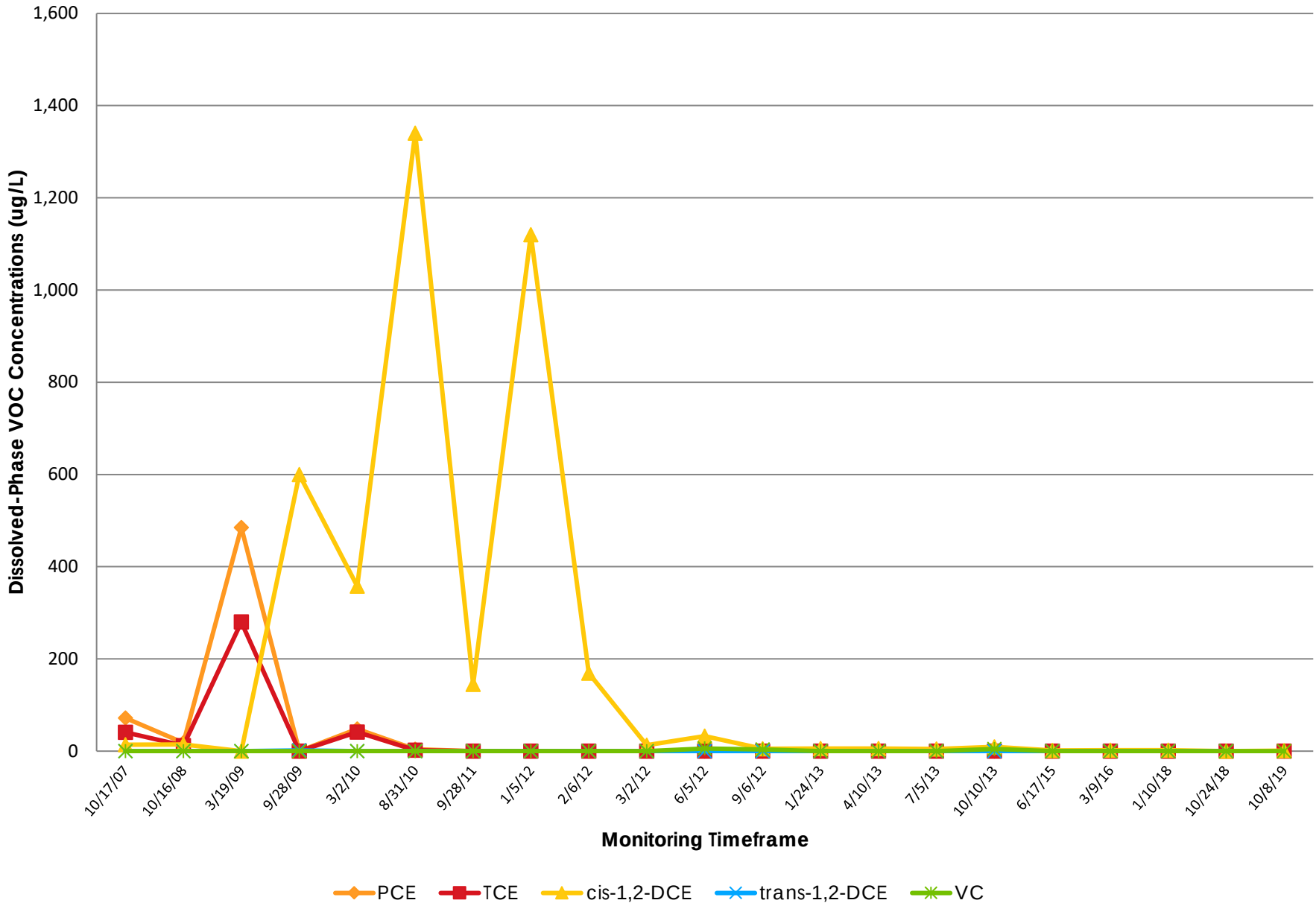


FIGURE 3E: Dissolved-Phase VOC Concentrations versus Time - MW-105

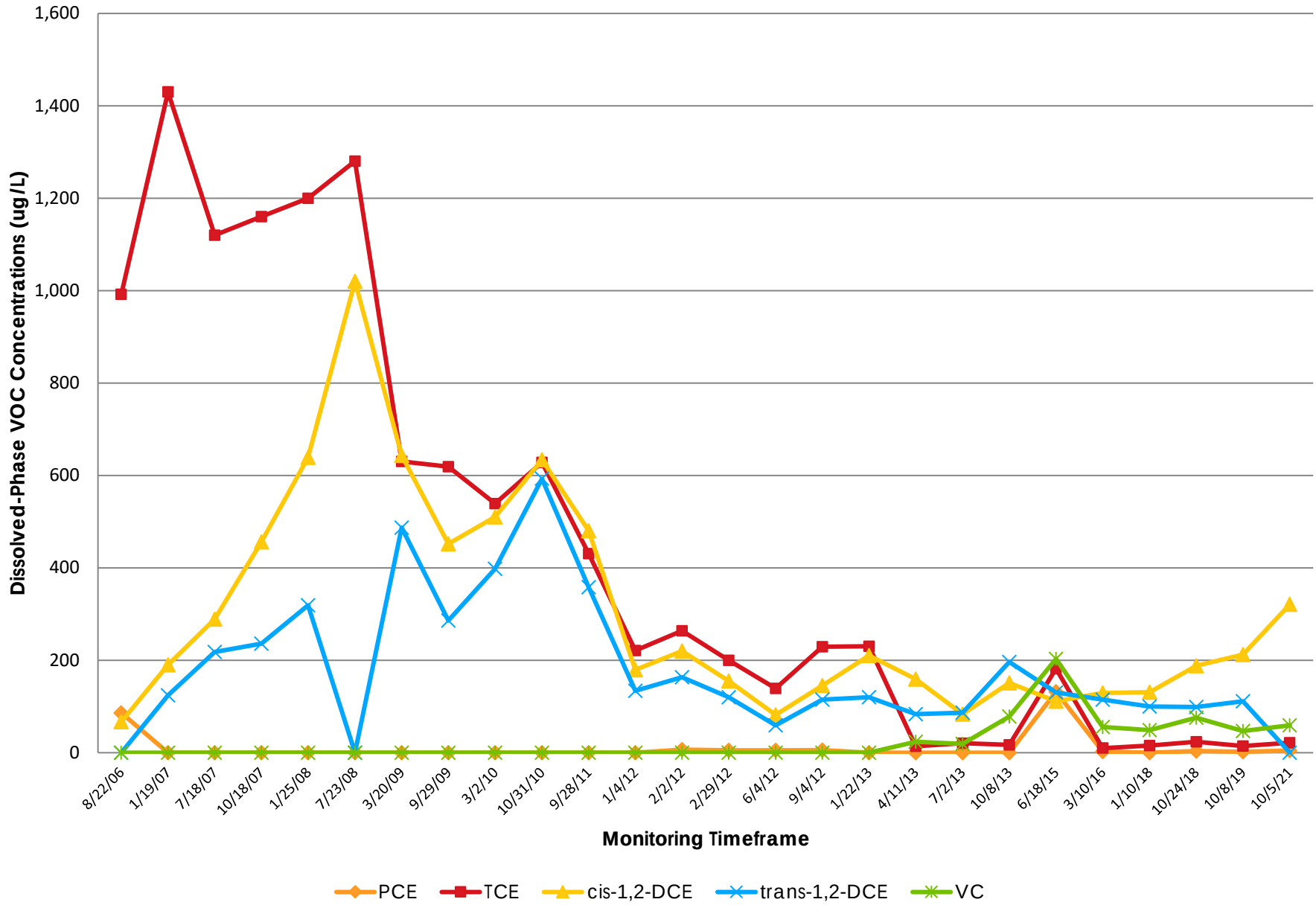
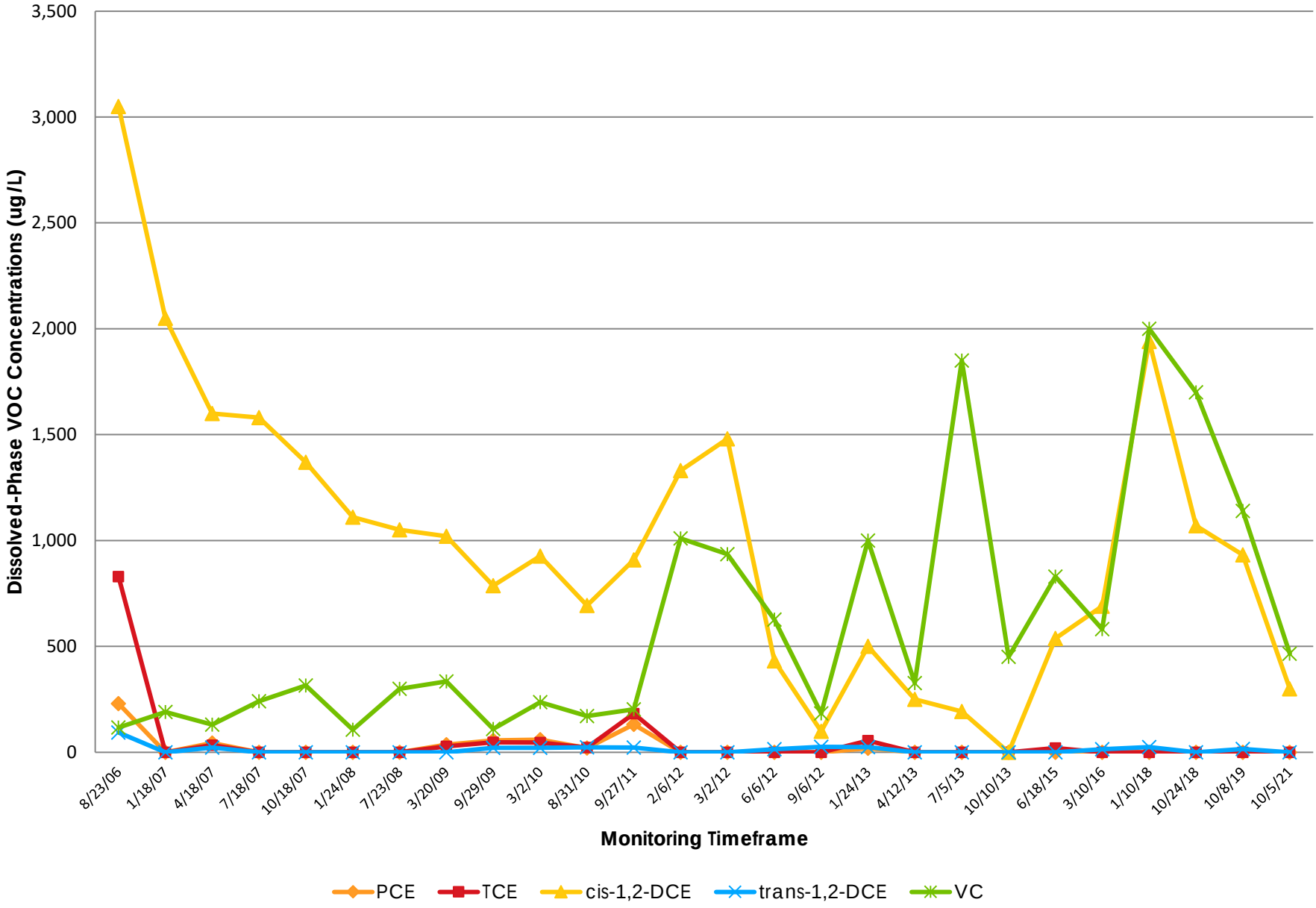


FIGURE 3F: Dissolved-Phase VOC Concentrations versus Time - MW-207R



APPENDIX A
IC/EC Certification Forms

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C828117**

Site Name Ward Street Site

Site Address: Corner of Ward St. & St. Paul St. Zip Code: 14603
City/Town: Rochester
County: Monroe
Site Acreage: 1.859

Reporting Period: November 15, 2020 to November 15, 2021

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

	YES	NO
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C828117 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
106.62-01-028	Germanow-Simon Corporation	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan Monitoring Plan

Restrict site usage to commercial or industrial. Restrict groundwater use. Any on-site soil excavation shall comply with the approved Soil Management Plan; and maintain Environmental Easement Agreement.

106.62-01-029	Germanow-Simon Corporation	Monitoring Plan Site Management Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction

Restrict site usage to commercial or industrial. Restrict groundwater use. Any on-site soil excavation shall comply with the approved Soil Management Plan; and maintain Environmental Easement Agreement.

106.62-01-030	Germanow-Simon Corporation	Site Management Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan

Restrict site usage to commercial or industrial. Restrict groundwater use. Any on-site soil excavation shall comply with the approved Soil Management Plan; and maintain Environmental Easement Agreement.

106.62-01-031	Germanow-Simon Corporation	Site Management Plan Monitoring Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction

Restrict site usage to commercial or industrial. Restrict groundwater use. Any on-site soil excavation shall comply with the approved Soil Management Plan; and maintain Environmental Easement Agreement.

106.62-01-032	Germanow-Simon Corporation	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan Monitoring Plan

Restrict site usage to commercial or industrial. Restrict groundwater use. Any on-site soil excavation shall comply with the approved Soil Management Plan; and maintain Environmental Easement Agreement.

106.62-01-057	Germanow-Simon Corporation	Soil Management Plan Site Management Plan Ground Water Use Restriction Landuse Restriction Monitoring Plan

Restrict site usage to commercial or industrial. Restrict groundwater use. Any on-site soil excavation shall comply with the approved Soil Management Plan; and maintain Environmental Easement Agreement.

106.62-01-21	Germanow-Simon Corporation	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan

Restrict site usage to commercial or industrial. Restrict groundwater use. Any on-site soil excavation shall comply with the approved Soil Management Plan; and maintain Environmental Easement Agreement.

Box 4

Description of Engineering Controls

Parcel — Engineering Control

106.62-01-028

Cover System

A multi-phase vacuum extraction system ("MPVE") was operated at the site until February 22, 2011. DEC has approved the shutdown and decommissioning of the system. An enhanced reductive dechlorination (ERD) program was implemented at the site in November 2011. Continued groundwater monitoring and periodic injections are required until cleanup goals are achieved or DEC approves program modifications; Maintain asphalt and concrete surfaces in the area of contamination.

106.62-01-029

Cover System

A multi-phase vacuum extraction system ("MPVE") was operated at the site until February 22, 2011. DEC has approved the shutdown and decommissioning of the system. An enhanced reductive dechlorination (ERD) program was implemented at the site in November 2011. Continued groundwater monitoring and periodic injections are required until cleanup goals are achieved or DEC approves program modifications; Maintain asphalt and concrete surfaces in the area of contamination.

106.62-01-030

Cover System

A multi-phase vacuum extraction system ("MPVE") was operated at the site until February 22, 2011. DEC has approved the shutdown and decommissioning of the system. An enhanced reductive dechlorination (ERD) program was implemented at the site in November 2011. Continued groundwater monitoring and periodic injections are required until cleanup goals are achieved or DEC approves program modifications; Maintain asphalt and concrete surfaces in the area of contamination.

106.62-01-031

Cover System

A multi-phase vacuum extraction system ("MPVE") was operated at the site until February 22, 2011. DEC has approved the shutdown and decommissioning of the system. An enhanced reductive dechlorination (ERD) program was implemented at the site in November 2011. Continued groundwater monitoring and periodic injections are required until cleanup goals are achieved or DEC approves program modifications; Maintain asphalt and concrete surfaces in the area of contamination.

106.62-01-032

Cover System

A multi-phase vacuum extraction system ("MPVE") was operated at the site until February 22, 2011. DEC has approved the shutdown and decommissioning of the system. An enhanced reductive dechlorination (ERD) program was implemented at the site in November 2011. Continued groundwater monitoring and periodic injections are required until cleanup goals are achieved or DEC approves program modifications; Operate a sub-slab depressurization system; Maintain asphalt and concrete surfaces in the area of contamination.

106.62-01-057

Cover System

A multi-phase vacuum extraction system ("MPVE") was operated at the site until February 22, 2011. DEC has approved the shutdown and decommissioning of the system. An enhanced reductive dechlorination (ERD) program was implemented at the site in November 2011. Continued groundwater monitoring and periodic injections are required until cleanup goals are achieved or DEC approves program modifications; Maintain asphalt and concrete surfaces in the area of contamination.

106.62-01-21

Vapor Mitigation
Cover System

A multi-phase vacuum extraction system ("MPVE") was operated at the site until February 22, 2011. DEC has approved the shutdown and decommissioning of the system. An enhanced reductive dechlorination (ERD) program was implemented at the site in November 2011. Continued groundwater monitoring and periodic injections are required until cleanup goals are achieved or DEC approves program modifications; Maintain asphalt and concrete surfaces in the area of contamination.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C828117

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I ANDREW GERMANOW at GERMANOW-SIMIN CORP,
print name print business address

am certifying as OWNER (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

12/3/21
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I **Dwight Harrienger** at **Stantec Consulting Services, Inc. 61 Commercial St., Ste. 100, Rochester, NY 14617**,
print name — print business address

am certifying as a Professional Engineer for the **Owner**
(Owner or Remedial Party)

Dwight Harrienger — 12/01/2021
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification — Stamp (Required for PE) — Date

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C828136

Site Name 8-28 Ward Street

Site Address: 8-28 Ward Street Zip Code: 14603-1061
City/Town: Rochester
County: Monroe
Site Acreage: 1.222

Reporting Period: November 15, 2020 to November 15, 2021

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C828136 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
106.63-1-16	Germanow-Simon Corporation	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan Monitoring Plan

Groundwater use is prohibited;

A Site Management Plan (SMP) must be implemented;

Soils shall be managed in accordance with the SMP;

The potential for vapor intrusion for any new buildings must be evaluated and mitigated as necessary;

Periodic review is required to certifiy all controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
106.63-1-16	Groundwater Treatment System Cover System

A multi-phase vacuum extraction system ("MPVE") was operated at the site until February 22, 2011. DEC has approved the shutdown and decommissioning of the system. An enhanced reductive dechlorination (ERD) program was implemented at the site in November 2011. Continued groundwater monitoring and periodic injections are required until cleanup goals are achieved or DEC approves program modifications;

Existing surface and near surface soils, asphalt-paved surfaces, concrete-paved surfaces, and any existing buildings act as a cover system and must be maintained;

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C828136

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Andrew Germanow at Germanow Scin Corp,
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

12/3/21
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I DWIGHT HARRIENGER at STANTEC CONSULTING SERVICES, INC.,
print name print business address

am certifying as a Professional Engineer for the OWNER
(Owner or Remedial Party)

Dwight Harrienger
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

12/8/2021
Date

APPENDIX B
NYSDEC Correspondence

From: Caffoe, Todd (DEC)
To: Storonsky, Mike
Cc: Best, Laura
Subject: RE: Groundwater Sampling: C828136 and C828117 Ward Street and 8-28 Ward Street Sites
Date: Monday, September 20, 2021 10:28:43 AM

Mike,
Please proceed as planned. Thank you.

-Todd

As the State of New York transitions from the COVID-19 Health Crisis, I will be working both remotely (W & Th) and in the office (M,T, & F). Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.
Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From: Storonsky, Mike <mike.storonsky@stantec.com>
Sent: Monday, September 20, 2021 10:10 AM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: Best, Laura <Laura.Best@stantec.com>
Subject: RE: Groundwater Sampling: C828136 and C828117 Ward Street and 8-28 Ward Street Sites

Todd,

We are anticipating conducting our 2021 Groundwater sampling the first week in October. We wanted to confirm that schedule would be ok with the Department?

Thanks,
Mike

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Wednesday, July 7, 2021 8:28 AM
To: Best, Laura <Laura.Best@stantec.com>
Cc: Storonsky, Mike <mike.storonsky@stantec.com>; Pratt, David (DEC) <david.pratt@dec.ny.gov>
Subject: Re: Groundwater Sampling: C828136 and C828117 Ward Street and 8-28 Ward Street Sites

Using the flow-through cell for DO/ORP measurements as described in your e-mail is acceptable. Please let me know if you have any additional questions.
-Todd

From: Best, Laura <Laura.Best@stantec.com>
Sent: Monday, June 28, 2021 2:34 PM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: mike.storonsky@stantec.com <mike.storonsky@stantec.com>
Subject: Groundwater Sampling: C828136 and C828117 Ward Street and 8-28 Ward Street Sites

Dear Todd,

We are preparing costs for our client to perform the 2021 groundwater sampling event at the Ward Street/8-28 Ward Street sites (C828136 and C828117). In accordance with the 2020 PRR approval letter, we will no longer sample MW-23R for VOCs and TOC. The approval letter indicated that ORP and DO measurements would still be required (along with measuring groundwater levels). We wanted to confirm our proposed approach is acceptable. We propose to use the same flow-through setup as for low-flow sampling, and to purge MW-23R for 5 minutes prior to collecting a DO/ORP measurement. Please advise if this approach is acceptable.

Thank you,
Laura

Laura Best
Hydrogeologic Scientist
Mobile: 585 301-0166
Laura.Best@stantec.com

Stantec
61 Commercial Street Suite 100
Rochester NY 14614-1009

The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately.

From: Storonsky, Mike
To: Best, Laura
Subject: FW: Ward Street & 8-28 Ward Street Sites, c828117 and c828136, Upcoming Test Pits
Date: Friday, October 22, 2021 12:51:42 PM

FYI

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Friday, October 22, 2021 12:26 PM
To: Storonsky, Mike <mike.storonsky@stantec.com>
Subject: RE: Ward Street & 8-28 Ward Street Sites, c828117 and c828136, Upcoming Test Pits

Mike,
Thanks for the heads up. Please proceed as planned.

-Todd

From: Storonsky, Mike <mike.storonsky@stantec.com>
Sent: Friday, October 22, 2021 12:06 PM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Subject: Ward Street & 8-28 Ward Street Sites, c828117 and c828136, Upcoming Test Pits

Todd,

I wanted to let you know that we are planning to conduct 4-5 test pits next Thursday to pre-characterize fill material for disposal at Waste Management's High Acres Landfill.

The contractor is going to pre-cut the asphalt on Wed. and the plan is to return the spoils to the excavation unless we see significant impacts.

We plan to be on-site conducting CAMP and collecting samples for analysis of samples to satisfy Waste Management's requirements for an estimated 1,000 cy of material that the contractor is expecting will be displaced.

I expect to be getting the change of use submitted later today and I am told the site plan is being submitted to the city early next week. I left a voice mail for Jane Forbes earlier this week but have not yet connected.

Please let me know if you have any questions.

Thanks,
Mike

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Storonsky, Mike
Sent: Thursday, August 5, 2021 8:45 AM
To: Caffoe, Todd (DEC) (todd.caffoe@dec.ny.gov) <todd.caffoe@dec.ny.gov>
Subject: Ward Street & 8-28 Ward Street Sites, c828117 and c828136, Change of Use Form

Good Morning Todd,

Hope you and your family are doing well.

As a follow-up to the voice mail message I left earlier this week, please find attached a change of use form and a figure that we are proposing to submit to Albany for the Ward Street and 8-28 Ward Street sites. I wanted to run these by you first as I don't see where there is a place for Andy to sign when he will continue to be responsible for the implementation of the SMP. I am reading this correctly? I don't anticipate we will encounter too many issues other than urban fill in this area so I would also like to discuss with you the requirements for the project.

Please give me a call when you have a chance.

Thanks,
Mike

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately.

From:	Storonsky, Mike
To:	Caffoe, Todd (DEC) (todd.caffoe@dec.ny.gov)
Cc:	Best, Laura; Harrienger, Dwight; Allen, Dan
Subject:	FW: CHANGE OF USE, 8-28 WARD ST, c828117, & WARD ST., c828136, BCP SITES
Date:	Monday, November 1, 2021 3:02:57 PM
Attachments:	FW Site Plan Review (DES Impacts) - 19-23 Emmett Street 8-28 Ward Street (SP-09-21-22) .msg

Hi Todd,

I wanted to let you know that I received a call earlier today from Len Zinoman in the central office requesting that we forward our files on a CD. The documents that were posted to the FTP site are being uploaded to a CD and will be sent out tonight for overnight delivery to Albany. Not sure if that affects what you need to do from your end?.

We conducted our pre-characterization test pit program on Thursday last week and nothing out of the ordinary was noted, typical urban fill. Samples have been submitted for analysis for a one week turnaround time and the contractor is planning to have the material ~1,000 cy of material taken to High Acres LF. We will let you know how that progresses.

I have been in contact with Jane Forbes and last week she sent along the attached message to Anna Keller in the City Buildings and Zoning Bureau who will be issuing the City permit. It looks they will be looking for your comments to issue their comments as I am sure you know.

The contractor is hoping to break ground Nov. 22 and it has been reported that the city and COMIDA expect to be able to provide their approvals by the 19th.

Please let me know if you have questions or require further information.

Thanks,
Mike

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Storonsky, Mike
Sent: Friday, October 29, 2021 3:29 PM
To: derweb@gw.dec.state.dec; leonard.zinoman@dec.ny.gov
Cc: Caffoe, Todd (DEC) (todd.caffoe@dec.ny.gov) <todd.caffoe@dec.ny.gov>; Forbes, Jane <jane.forbes@cityofrochester.gov>; anna.keller@cityofrochester.gov; agermanow@teltru.com; Colin Sheridan <CSheridan@gsoptics.com>; John Nichols <john@nicholsteam.com>; Jim Burm <jimb@nicholsteam.com>; Farmer, Mel <mel.farmer@stantec.com>; Best, Laura <Laura.Best@stantec.com>; Harrienger, Dwight <dwight.harrienger@stantec.com>
Subject: CHANGE OF USE, 8-28 WARD ST, c828117, & WARD ST., c828136, BCP SITES

Chief, Site Control Section,

As discussed with Leonard Zinoman earlier this week, and on behalf of Germanow-Simon Corporation,

presented below are the login credentials to a temporary FTP site which contains a Change of Use form, a Request for Building Permit-Environmental Easement Review form, and a series of supporting documents for the proposed construction of a 10,500+/- sq. ft. building addition which straddles the boundaries of the Ward Street (c828136) and 8-28 Ward Street (c828117) BCP sites. The two BCP sites and the two associated tax parcels involved with the proposed construction, 8-28 Ward St. and 19-23 Emmett Street, are covered by a single Environmental Easement which is also attached. The new building will house the manufacture of optical components for a COVID-19 antibody testing platform (see attached announcement).

We have previously been in contact with the NYSDEC Project Manager, Todd Caffoe, and also Ms. Jane Forbes in the City of Rochester Division of Environmental Quality, to advise them of this project. Site plans have been submitted to the City for their review and approval and the documents associated with that submission are also attached. I understand Ms. Forbes has provided the City Planner who is reviewing this application, Ms. Anna Keller, with the environmental requirements that will be needed to satisfy the SMP and Environmental Easement provisions associated with site plan approval and re-subdivision approval which has been requested by the City.

Stantec's environmental staff will be providing full-time observation of sub-surface activities pursuant to the SMPs for the two sites. We are also assisting the design team with the sub-slab piping network to provide soil vapor mitigation should subsequent testing confirm that an active system is needed. Past investigations in this portion of the Sites have not revealed evidence of VOC impacts in this area.

Should you have any questions, please contact us.

Sincerely,
Mike

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

Please use the link below to access your directory with the username and password provided.

NOTE: FTP directories are not included in Stantec daily backups and are only intended to be used as a means of transferring large files between offices, clients, etc.

Login Information

Browser link: https://tmpsftp.stantec.com
Login name: s1108131854
Password: 7254758
Expiry Date: 11/22/2021

From: Caffoe, Todd (DEC)
To: Storonsky, Mike
Cc: Forbes, Jane; agermanow@teltru.com; Pratt, David (DEC)
Subject: 8-28 Ward Street/Ward Street C828136 and C828117
Date: Thursday, November 4, 2021 1:28:30 PM

Mike,
I have reviewed the information submitted for the new construction change in use at the referenced sites. The Change-in-Use can proceed as planned subject to the following:

1. The current Site Management Plan (SMP) provides the mechanism for characterizing, monitoring and disposal of excavated soils and it is acceptable to proceed under the current SMP;

2. Soil import is not discussed in the current SMP. Any imported soils would require a request to import soil be submitted to the Department for approval. As you know, imported fill material must be sampled or meet the exemption in DER-10;

3. It is understood that piping for a sub-slab depressurization is included in the current building design. If sampling shows there is soil vapor intrusion into the new structure, then active fans shall be installed on the system; and

4. Upon completion, the site cover shall be restored.

As part of this project, the site boundaries are not changing but the SBL numbers for the tax lots will be changing. Upon completion of change to the SBL numbers, the easement and COC need to be updated to reflect the new SBL numbers for the properties. A summary of this Change-in-Use shall be presented in the 2022 Periodic Review Report.

Please let me know if you have any questions. Thanks.

-Todd

As the State of New York transitions from the COVID-19 Health Crisis, I will be working both remotely (W & Th) and in the office (M,T, & F). Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.
Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From: Storonsky, Mike
To: Caffoe, Todd (DEC)
Cc: Forbes, Jane; Best, Laura; Allen, Dan
Subject: RE: 8-28 Ward Street/Ward Street C828136 and C828117 - Preliminary SSDS Drawings & Resubdivision Change
Date: Friday, November 19, 2021 5:06:26 PM
Attachments: report.c828117.c828136.2021-11-19.testpits.pdf

Hi Todd,

The contractor for the new building at the Ward St. sites is currently hoping to obtain their site plan approval permit and break ground sometime the week after Thanksgiving but that remains to be determined. I am told their building permit will follow a little bit later. Therefore, although it has only been a few days since they were submitted, I have been asked to get an estimate on the timeframe for the Department's review of the proposed Re-subdivision change and the SSDS drawings?

Also, for your information, attached is the data we received for the soil samples from the test pits conducted in the footprint of the proposed building at the Ward St. sites. Nothing out of the ordinary was reported. I believe the waste profile was approved earlier today by Waste Management for the excavated material to be shipped to the High Acres Landfill and is just awaiting a final signature.

Please let me know if you have any questions.

Thank you for your ongoing assistance,
Mike

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Storonsky, Mike
Sent: Wednesday, November 17, 2021 9:57 AM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: Pratt, David (DEC) <david.pratt@dec.ny.gov>; Forbes, Jane <Jane.Forbes@CityofRochester.Gov>; agermanow@teltru.com; Harrienger, Dwight <dwight.harrienger@stantec.com>; Best, Laura <Laura.Best@stantec.com>; Farmer, Mel <mel.farmer@stantec.com>
Subject: 8-28 Ward Street/Ward Street C828136 and C828117 - Preliminary SSDS Drawings & Resubdivision Change

Todd,

Attached please find the sub-slab piping layout and associated details for the proposed new building at the Ward Street sites. As previously discussed, the plan is to stub this piping at the floor slab and once the building is sufficiently constructed, conduct SVI testing to determine if an active SSDS will be required. Please let us know if the Department has any comments on these drawings.

Also, as part of the City's ongoing review of the site plan drawings, it has been requested that the portion of Cork Street that was abandoned previously and incorporated into the BCP sites should be combined with the 19-23 Emmett St. and 8-28 Ward St. parcels as part that previously requested re-subdivision

process (see attached). Please advise if the Department has any concerns with that modification.

Sincerely,
Mike

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Friday, November 5, 2021 7:34 AM
To: Storonsky, Mike <mike.storonsky@stantec.com>
Cc: Forbes, Jane <Jane.Forbes@CityofRochester.Gov>; agermanow@teltru.com; Pratt, David (DEC) <david.pratt@dec.ny.gov>
Subject: Re: 8-28 Ward Street/Ward Street C828136 and C828117

Thanks Mike,
Please let me know if you need anything else from me.

-Todd

As the State of New York transitions from the COVID-19 Health Crisis, I will be working both remotely (W & Th) and in the office (M,T, & F). Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414

P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From: Storonsky, Mike <mike.storonsky@stantec.com>
Sent: Thursday, November 4, 2021 4:54 PM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: Forbes, Jane <Jane.Forbes@CityofRochester.Gov>; agermanow@teltru.com <agermanow@teltru.com>; Pratt, David (DEC) <david.pratt@dec.ny.gov>
Subject: RE: 8-28 Ward Street/Ward Street C828136 and C828117

Todd,

Thank you for your prompt review and comments. These items will be addressed/included in the work that is performed.

Sincerely,

Mike

Michael P. Storonsky

Managing Principal, Environmental Services

Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Thursday, November 4, 2021 1:28 PM
To: Storonsky, Mike <mike.storonsky@stantec.com>
Cc: Forbes, Jane <Jane.Forbes@CityofRochester.Gov>; agermanow@teltru.com; Pratt, David (DEC) <david.pratt@dec.ny.gov>

Subject: 8-28 Ward Street/Ward Street C828136 and C828117

Mike,

I have reviewed the information submitted for the new construction change in use at the referenced sites. The Change-in-Use can proceed as planned subject to the following:

1. The current Site Management Plan (SMP) provides the mechanism for characterizing, monitoring and disposal of excavated soils and it is acceptable to proceed under the current SMP;
2.
3. Soil import is not discussed in the current SMP. Any imported soils would require a request to import soil be submitted to the Department for approval. As you know, imported fill material must be sampled or meet the exemption in DER-10;
4.
5. It is understood that piping for a sub-slab depressurization is included in the current building design. If sampling shows there is soil vapor intrusion into the new structure, then active fans shall be installed on the system; and
6.
7. Upon completion, the site cover shall be restored.

As part of this project, the site boundaries are not changing but the SBL numbers for the tax lots will be changing. Upon completion of change to the SBL numbers, the easement and COC need to be updated to reflect the new SBL numbers for the properties. A summary of this Change-in-Use shall be presented in the 2022 Periodic Review Report.

Please let me know if you have any questions. Thanks.

-Todd

As the State of New York transitions from the COVID-19 Health Crisis, I will be working both remotely (W & Th) and in the office (M,T, & F). Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414

P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From:	Caffoe, Todd (DEC)
To:	Storonsky, Mike
Cc:	Pratt, David (DEC); Forbes, Jane; agermanow@teltru.com; Harrienger, Dwight; Best, Laura; Farmer, Mel
Subject:	RE: 8-28 Ward Street/Ward Street C828136 and C828117 - Preliminary SSDS Drawings & Resubdivision Change
Date:	Tuesday, November 23, 2021 3:51:55 PM

Mike,
I have reviewed the SSDS piping layout and details for the proposed new building at the referenced sites, and it is acceptable to proceed as planned.

I have also looked at the proposed resubdivision which will change the sites SBL numbers and lot alignments, but it will not change the site boundaries. This plan is acceptable. Once this resubdivision is completed, the COC and easement will need to be modified to reflect these changes.

Please let me know if you have any additional questions.

-Todd

As the State of New York transitions from the COVID-19 Health Crisis, I will be working both remotely (W & Th) and in the office (M,T, & F). Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Forsythe, at teri.forsythe@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.
Division of Environmental Remediation

New York State Department of Environmental Conservation
6274 East Avon-Lima Road, Avon, NY 14414
P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From: Storonsky, Mike <mike.storonsky@stantec.com>
Sent: Wednesday, November 17, 2021 9:57 AM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: Pratt, David (DEC) <david.pratt@dec.ny.gov>; Forbes, Jane <Jane.Forbes@CityofRochester.Gov>; agermanow@teltru.com; Harrienger, Dwight <dwight.harrienger@stantec.com>; Best, Laura <Laura.Best@stantec.com>; Farmer, Mel <mel.farmer@stantec.com>
Subject: 8-28 Ward Street/Ward Street C828136 and C828117 - Preliminary SSDS Drawings & Resubdivision Change

Todd,

Attached please find the sub-slab piping layout and associated details for the proposed new building at the Ward Street sites. As previously discussed, the plan is to stub this piping at the floor slab and once the building is sufficiently constructed, conduct SVI testing to determine if an active SSDS will be required. Please let us know if the Department has any comments on these drawings.

Also, as part of the City's ongoing review of the site plan drawings, it has been requested that the portion of Cork Street that was abandoned previously and incorporated into the BCP sites should be combined with the 19-23 Emmett St. and 8-28 Ward St. parcels as part that previously requested re-subdivision process (see attached). Please advise if the Department has any concerns with that modification.

Sincerely,
Mike

Michael P. Storonsky
Managing Principal, Environmental Services
Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Friday, November 5, 2021 7:34 AM
To: Storonsky, Mike <mike.storonsky@stantec.com>
Cc: Forbes, Jane <Jane.Forbes@CityofRochester.Gov>; agermanow@teltru.com; Pratt, David (DEC) <david.pratt@dec.ny.gov>
Subject: Re: 8-28 Ward Street/Ward Street C828136 and C828117

Thanks Mike,
Please let me know if you need anything else from me.

-Todd

As the State of New York transitions from the COVID-19 Health Crisis, I will be working both remotely (W & Th) and in the office (M,T, & F). Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414

P: (585) 226-5350 |Todd.Caffoe@dec.ny.gov

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From: Storonsky, Mike <mike.storonsky@stantec.com>
Sent: Thursday, November 4, 2021 4:54 PM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: Forbes, Jane <Jane.Forbes@CityofRochester.Gov>; agermanow@teltru.com <agermanow@teltru.com>; Pratt, David (DEC) <david.pratt@dec.ny.gov>
Subject: RE: 8-28 Ward Street/Ward Street C828136 and C828117

Todd,

Thank you for your prompt review and comments. These items will be addressed/included in the work that is performed.

Sincerely,

Mike

Michael P. Storonsky

Managing Principal, Environmental Services

Mobile: 585 298-2386
mike.storonsky@stantec.com

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Thursday, November 4, 2021 1:28 PM
To: Storonsky, Mike <mike.storonsky@stantec.com>
Cc: Forbes, Jane <Jane.Forbes@CityofRochester.Gov>; agermanow@teltru.com; Pratt, David (DEC) <david.pratt@dec.ny.gov>
Subject: 8-28 Ward Street/Ward Street C828136 and C828117

Mike,

I have reviewed the information submitted for the new construction change in use at the referenced sites. The Change-in-Use can proceed as planned subject to the following:

1. The current Site Management Plan (SMP) provides the mechanism for characterizing, monitoring and disposal of excavated soils and it is acceptable to proceed under the current SMP;
2.
3. Soil import is not discussed in the current SMP. Any imported soils would require a request to import soil be submitted to the Department for approval. As you know, imported fill material must be sampled or meet the exemption in DER-10;
4.
5. It is understood that piping for a sub-slab depressurization is included in the current building design. If sampling shows there is soil vapor intrusion into the new structure, then active fans shall be installed on the system; and
6.
7. Upon completion, the site cover shall be restored.

As part of this project, the site boundaries are not changing but the SBL numbers for the tax lots will be changing. Upon completion of change to the SBL numbers, the easement and COC need to be updated to reflect the new SBL numbers for the properties. A summary of this Change-in-Use shall be presented in the 2022 Periodic Review Report.

Please let me know if you have any questions. Thanks.

-Todd

teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

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APPENDIX C
Laboratory Analytical Reports

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

Stantec

For Lab Project ID

214498

Referencing

Ward Street

Prepared

Wednesday, October 13, 2021

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below:

Portions of the enclosed report reflects analysis that has been subcontracted and are presented in their original form.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-207R		
Lab Sample ID:	214498-01	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 10.0	ug/L		10/7/2021 16:25
1,1,2,2-Tetrachloroethane	< 10.0	ug/L		10/7/2021 16:25
1,1,2-Trichloroethane	< 10.0	ug/L		10/7/2021 16:25
1,1-Dichloroethane	< 10.0	ug/L		10/7/2021 16:25
1,1-Dichloroethene	< 10.0	ug/L		10/7/2021 16:25
1,2,3-Trichlorobenzene	< 25.0	ug/L		10/7/2021 16:25
1,2,4-Trichlorobenzene	< 25.0	ug/L		10/7/2021 16:25
1,2-Dibromo-3-Chloropropane	< 50.0	ug/L		10/7/2021 16:25
1,2-Dibromoethane	< 10.0	ug/L		10/7/2021 16:25
1,2-Dichlorobenzene	< 10.0	ug/L		10/7/2021 16:25
1,2-Dichloroethane	< 10.0	ug/L		10/7/2021 16:25
1,2-Dichloropropane	< 10.0	ug/L	L	10/7/2021 16:25
1,3-Dichlorobenzene	< 10.0	ug/L		10/7/2021 16:25
1,4-Dichlorobenzene	< 10.0	ug/L		10/7/2021 16:25
1,4-Dioxane	< 50.0	ug/L		10/7/2021 16:25
2-Butanone	< 50.0	ug/L		10/7/2021 16:25
2-Hexanone	< 25.0	ug/L		10/7/2021 16:25
4-Methyl-2-pentanone	< 25.0	ug/L		10/7/2021 16:25
Acetone	**29.2**	ug/L	J	10/7/2021 16:25
Benzene	< 5.00	ug/L	L	10/7/2021 16:25
Bromochloromethane	< 25.0	ug/L		10/7/2021 16:25
Bromodichloromethane	< 10.0	ug/L	L	10/7/2021 16:25
Bromoform	< 25.0	ug/L		10/7/2021 16:25
Bromomethane	< 10.0	ug/L		10/7/2021 16:25
Carbon disulfide	< 10.0	ug/L		10/7/2021 16:25
Carbon Tetrachloride	< 10.0	ug/L		10/7/2021 16:25
Chlorobenzene	< 10.0	ug/L		10/7/2021 16:25
Chloroethane	< 10.0	ug/L		10/7/2021 16:25

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-207R		
Lab Sample ID:	214498-01	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Chloroform	< 10.0	ug/L		10/7/2021	16:25
Chloromethane	< 10.0	ug/L		10/7/2021	16:25
cis-1,2-Dichloroethene	**300**	ug/L		10/7/2021	16:25
cis-1,3-Dichloropropene	< 10.0	ug/L		10/7/2021	16:25
Cyclohexane	< 50.0	ug/L		10/7/2021	16:25
Dibromochloromethane	< 10.0	ug/L		10/7/2021	16:25
Dichlorodifluoromethane	< 10.0	ug/L		10/7/2021	16:25
Ethylbenzene	< 10.0	ug/L		10/7/2021	16:25
Freon 113	< 10.0	ug/L		10/7/2021	16:25
Isopropylbenzene	< 10.0	ug/L		10/7/2021	16:25
m,p-Xylene	< 10.0	ug/L		10/7/2021	16:25
Methyl acetate	< 10.0	ug/L		10/7/2021	16:25
Methyl tert-butyl Ether	< 10.0	ug/L		10/7/2021	16:25
Methylcyclohexane	< 10.0	ug/L		10/7/2021	16:25
Methylene chloride	< 25.0	ug/L		10/7/2021	16:25
o-Xylene	< 10.0	ug/L		10/7/2021	16:25
Styrene	< 25.0	ug/L		10/7/2021	16:25
Tetrachloroethene	< 10.0	ug/L	L	10/7/2021	16:25
Toluene	< 10.0	ug/L		10/7/2021	16:25
trans-1,2-Dichloroethene	< 10.0	ug/L		10/7/2021	16:25
trans-1,3-Dichloropropene	< 10.0	ug/L		10/7/2021	16:25
Trichloroethene	< 10.0	ug/L		10/7/2021	16:25
Trichlorofluoromethane	< 10.0	ug/L		10/7/2021	16:25
Vinyl chloride	**465**	ug/L		10/7/2021	16:25

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-207R		
Lab Sample ID:	214498-01	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**119**	83 - 120		10/7/2021	16:25
4-Bromofluorobenzene	**105**	65.5 - 118		10/7/2021	16:25
Pentafluorobenzene	**128**	91.2 - 109	*	10/7/2021	16:25
Toluene-D8	**116**	79.7 - 112	*	10/7/2021	16:25

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z04564.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-16		
Lab Sample ID:	214498-02	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.00	ug/L		10/7/2021 16:45
1,1,2,2-Tetrachloroethane	< 5.00	ug/L		10/7/2021 16:45
1,1,2-Trichloroethane	< 5.00	ug/L		10/7/2021 16:45
1,1-Dichloroethane	< 5.00	ug/L		10/7/2021 16:45
1,1-Dichloroethene	< 5.00	ug/L		10/7/2021 16:45
1,2,3-Trichlorobenzene	< 12.5	ug/L		10/7/2021 16:45
1,2,4-Trichlorobenzene	< 12.5	ug/L		10/7/2021 16:45
1,2-Dibromo-3-Chloropropane	< 25.0	ug/L		10/7/2021 16:45
1,2-Dibromoethane	< 5.00	ug/L		10/7/2021 16:45
1,2-Dichlorobenzene	< 5.00	ug/L		10/7/2021 16:45
1,2-Dichloroethane	< 5.00	ug/L		10/7/2021 16:45
1,2-Dichloropropane	< 5.00	ug/L	L	10/7/2021 16:45
1,3-Dichlorobenzene	< 5.00	ug/L		10/7/2021 16:45
1,4-Dichlorobenzene	< 5.00	ug/L		10/7/2021 16:45
1,4-Dioxane	< 25.0	ug/L		10/7/2021 16:45
2-Butanone	< 25.0	ug/L		10/7/2021 16:45
2-Hexanone	< 12.5	ug/L		10/7/2021 16:45
4-Methyl-2-pentanone	< 12.5	ug/L		10/7/2021 16:45
Acetone	< 25.0	ug/L		10/7/2021 16:45
Benzene	< 2.50	ug/L	L	10/7/2021 16:45
Bromochloromethane	< 12.5	ug/L		10/7/2021 16:45
Bromodichloromethane	< 5.00	ug/L	L	10/7/2021 16:45
Bromoform	< 12.5	ug/L		10/7/2021 16:45
Bromomethane	< 5.00	ug/L		10/7/2021 16:45
Carbon disulfide	< 5.00	ug/L		10/7/2021 16:45
Carbon Tetrachloride	< 5.00	ug/L		10/7/2021 16:45
Chlorobenzene	< 5.00	ug/L		10/7/2021 16:45
Chloroethane	< 5.00	ug/L		10/7/2021 16:45

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-16		
Lab Sample ID:	214498-02	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Chloroform	< 5.00	ug/L		10/7/2021	16:45
Chloromethane	< 5.00	ug/L		10/7/2021	16:45
cis-1,2-Dichloroethene	**169**	ug/L		10/7/2021	16:45
cis-1,3-Dichloropropene	< 5.00	ug/L		10/7/2021	16:45
Cyclohexane	< 25.0	ug/L		10/7/2021	16:45
Dibromochloromethane	< 5.00	ug/L		10/7/2021	16:45
Dichlorodifluoromethane	< 5.00	ug/L		10/7/2021	16:45
Ethylbenzene	< 5.00	ug/L		10/7/2021	16:45
Freon 113	< 5.00	ug/L		10/7/2021	16:45
Isopropylbenzene	< 5.00	ug/L		10/7/2021	16:45
m,p-Xylene	< 5.00	ug/L		10/7/2021	16:45
Methyl acetate	< 5.00	ug/L		10/7/2021	16:45
Methyl tert-butyl Ether	< 5.00	ug/L		10/7/2021	16:45
Methylcyclohexane	< 5.00	ug/L		10/7/2021	16:45
Methylene chloride	< 12.5	ug/L		10/7/2021	16:45
o-Xylene	< 5.00	ug/L		10/7/2021	16:45
Styrene	< 12.5	ug/L		10/7/2021	16:45
Tetrachloroethene	**7.04**	ug/L	L	10/7/2021	16:45
Toluene	< 5.00	ug/L		10/7/2021	16:45
trans-1,2-Dichloroethene	< 5.00	ug/L		10/7/2021	16:45
trans-1,3-Dichloropropene	< 5.00	ug/L		10/7/2021	16:45
Trichloroethene	< 5.00	ug/L		10/7/2021	16:45
Trichlorofluoromethane	< 5.00	ug/L		10/7/2021	16:45
Vinyl chloride	**270**	ug/L		10/7/2021	16:45

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-16		
Lab Sample ID:	214498-02	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**118**	83 - 120		10/7/2021	16:45
4-Bromofluorobenzene	**113**	65.5 - 118		10/7/2021	16:45
Pentafluorobenzene	**121**	91.2 - 109	*	10/7/2021	16:45
Toluene-D8	**119**	79.7 - 112	*	10/7/2021	16:45

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z04565.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-16R		
Lab Sample ID:	214498-03	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		10/6/2021 18:23
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		10/6/2021 18:23
1,1,2-Trichloroethane	< 2.00	ug/L		10/6/2021 18:23
1,1-Dichloroethane	< 2.00	ug/L		10/6/2021 18:23
1,1-Dichloroethene	< 2.00	ug/L		10/6/2021 18:23
1,2,3-Trichlorobenzene	< 5.00	ug/L		10/6/2021 18:23
1,2,4-Trichlorobenzene	< 5.00	ug/L		10/6/2021 18:23
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		10/6/2021 18:23
1,2-Dibromoethane	< 2.00	ug/L		10/6/2021 18:23
1,2-Dichlorobenzene	< 2.00	ug/L		10/6/2021 18:23
1,2-Dichloroethane	< 2.00	ug/L		10/6/2021 18:23
1,2-Dichloropropane	< 2.00	ug/L		10/6/2021 18:23
1,3-Dichlorobenzene	< 2.00	ug/L		10/6/2021 18:23
1,4-Dichlorobenzene	< 2.00	ug/L		10/6/2021 18:23
1,4-Dioxane	< 10.0	ug/L		10/6/2021 18:23
2-Butanone	< 10.0	ug/L		10/6/2021 18:23
2-Hexanone	< 5.00	ug/L		10/6/2021 18:23
4-Methyl-2-pentanone	< 5.00	ug/L		10/6/2021 18:23
Acetone	**7.93**	ug/L	JB	10/6/2021 18:23
Benzene	< 1.00	ug/L		10/6/2021 18:23
Bromochloromethane	< 5.00	ug/L		10/6/2021 18:23
Bromodichloromethane	< 2.00	ug/L		10/6/2021 18:23
Bromoform	< 5.00	ug/L		10/6/2021 18:23
Bromomethane	< 2.00	ug/L		10/6/2021 18:23
Carbon disulfide	< 2.00	ug/L		10/6/2021 18:23
Carbon Tetrachloride	< 2.00	ug/L		10/6/2021 18:23
Chlorobenzene	< 2.00	ug/L		10/6/2021 18:23
Chloroethane	< 2.00	ug/L		10/6/2021 18:23

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-16R		
Lab Sample ID:	214498-03	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Chloroform	< 2.00	ug/L	10/6/2021 18:23
Chloromethane	< 2.00	ug/L	10/6/2021 18:23
cis-1,2-Dichloroethene	**53.2**	ug/L	10/6/2021 18:23
cis-1,3-Dichloropropene	< 2.00	ug/L	10/6/2021 18:23
Cyclohexane	< 10.0	ug/L	10/6/2021 18:23
Dibromochloromethane	< 2.00	ug/L	10/6/2021 18:23
Dichlorodifluoromethane	< 2.00	ug/L	10/6/2021 18:23
Ethylbenzene	< 2.00	ug/L	10/6/2021 18:23
Freon 113	< 2.00	ug/L	10/6/2021 18:23
Isopropylbenzene	< 2.00	ug/L	10/6/2021 18:23
m,p-Xylene	< 2.00	ug/L	10/6/2021 18:23
Methyl acetate	< 2.00	ug/L	10/6/2021 18:23
Methyl tert-butyl Ether	< 2.00	ug/L	10/6/2021 18:23
Methylcyclohexane	< 2.00	ug/L	10/6/2021 18:23
Methylene chloride	< 5.00	ug/L	10/6/2021 18:23
o-Xylene	< 2.00	ug/L	10/6/2021 18:23
Styrene	< 5.00	ug/L	10/6/2021 18:23
Tetrachloroethene	< 2.00	ug/L	10/6/2021 18:23
Toluene	< 2.00	ug/L	10/6/2021 18:23
trans-1,2-Dichloroethene	< 2.00	ug/L	10/6/2021 18:23
trans-1,3-Dichloropropene	< 2.00	ug/L	10/6/2021 18:23
Trichloroethene	**7.59**	ug/L	10/6/2021 18:23
Trichlorofluoromethane	< 2.00	ug/L	10/6/2021 18:23
Vinyl chloride	**45.8**	ug/L	10/6/2021 18:23

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-16R		
Lab Sample ID:	214498-03	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**118**	83 - 120		10/6/2021	18:23
4-Bromofluorobenzene	**111**	65.5 - 118		10/6/2021	18:23
Pentafluorobenzene	**115**	91.2 - 109	*	10/6/2021	18:23
Toluene-D8	**98.4**	79.7 - 112		10/6/2021	18:23

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z04530.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-23		
Lab Sample ID:	214498-04	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		10/6/2021 18:42
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		10/6/2021 18:42
1,1,2-Trichloroethane	< 2.00	ug/L		10/6/2021 18:42
1,1-Dichloroethane	< 2.00	ug/L		10/6/2021 18:42
1,1-Dichloroethene	< 2.00	ug/L		10/6/2021 18:42
1,2,3-Trichlorobenzene	< 5.00	ug/L		10/6/2021 18:42
1,2,4-Trichlorobenzene	< 5.00	ug/L		10/6/2021 18:42
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		10/6/2021 18:42
1,2-Dibromoethane	< 2.00	ug/L		10/6/2021 18:42
1,2-Dichlorobenzene	< 2.00	ug/L		10/6/2021 18:42
1,2-Dichloroethane	< 2.00	ug/L		10/6/2021 18:42
1,2-Dichloropropane	< 2.00	ug/L		10/6/2021 18:42
1,3-Dichlorobenzene	< 2.00	ug/L		10/6/2021 18:42
1,4-Dichlorobenzene	< 2.00	ug/L		10/6/2021 18:42
1,4-Dioxane	< 10.0	ug/L		10/6/2021 18:42
2-Butanone	< 10.0	ug/L		10/6/2021 18:42
2-Hexanone	< 5.00	ug/L		10/6/2021 18:42
4-Methyl-2-pentanone	< 5.00	ug/L		10/6/2021 18:42
Acetone	< 10.0	ug/L		10/6/2021 18:42
Benzene	< 1.00	ug/L		10/6/2021 18:42
Bromochloromethane	< 5.00	ug/L		10/6/2021 18:42
Bromodichloromethane	< 2.00	ug/L		10/6/2021 18:42
Bromoform	< 5.00	ug/L		10/6/2021 18:42
Bromomethane	< 2.00	ug/L		10/6/2021 18:42
Carbon disulfide	< 2.00	ug/L		10/6/2021 18:42
Carbon Tetrachloride	< 2.00	ug/L		10/6/2021 18:42
Chlorobenzene	< 2.00	ug/L		10/6/2021 18:42
Chloroethane	< 2.00	ug/L		10/6/2021 18:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-23		
Lab Sample ID:	214498-04	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Chloroform	< 2.00	ug/L	10/6/2021 18:42
Chloromethane	< 2.00	ug/L	10/6/2021 18:42
cis-1,2-Dichloroethene	**14.5**	ug/L	10/6/2021 18:42
cis-1,3-Dichloropropene	< 2.00	ug/L	10/6/2021 18:42
Cyclohexane	< 10.0	ug/L	10/6/2021 18:42
Dibromochloromethane	< 2.00	ug/L	10/6/2021 18:42
Dichlorodifluoromethane	< 2.00	ug/L	10/6/2021 18:42
Ethylbenzene	< 2.00	ug/L	10/6/2021 18:42
Freon 113	< 2.00	ug/L	10/6/2021 18:42
Isopropylbenzene	< 2.00	ug/L	10/6/2021 18:42
m,p-Xylene	< 2.00	ug/L	10/6/2021 18:42
Methyl acetate	< 2.00	ug/L	10/6/2021 18:42
Methyl tert-butyl Ether	< 2.00	ug/L	10/6/2021 18:42
Methylcyclohexane	< 2.00	ug/L	10/6/2021 18:42
Methylene chloride	< 5.00	ug/L	10/6/2021 18:42
o-Xylene	< 2.00	ug/L	10/6/2021 18:42
Styrene	< 5.00	ug/L	10/6/2021 18:42
Tetrachloroethene	< 2.00	ug/L	10/6/2021 18:42
Toluene	< 2.00	ug/L	10/6/2021 18:42
trans-1,2-Dichloroethene	< 2.00	ug/L	10/6/2021 18:42
trans-1,3-Dichloropropene	< 2.00	ug/L	10/6/2021 18:42
Trichloroethene	< 2.00	ug/L	10/6/2021 18:42
Trichlorofluoromethane	< 2.00	ug/L	10/6/2021 18:42
Vinyl chloride	**15.7**	ug/L	10/6/2021 18:42

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-23		
Lab Sample ID:	214498-04	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**122**	83 - 120	*	10/6/2021	18:42
4-Bromofluorobenzene	**118**	65.5 - 118		10/6/2021	18:42
Pentafluorobenzene	**119**	91.2 - 109	*	10/6/2021	18:42
Toluene-D8	**114**	79.7 - 112	*	10/6/2021	18:42

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z04531.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-105		
Lab Sample ID:	214498-05	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 5.00	ug/L		10/7/2021 17:04
1,1,2,2-Tetrachloroethane	< 5.00	ug/L		10/7/2021 17:04
1,1,2-Trichloroethane	< 5.00	ug/L		10/7/2021 17:04
1,1-Dichloroethane	< 5.00	ug/L		10/7/2021 17:04
1,1-Dichloroethene	< 5.00	ug/L		10/7/2021 17:04
1,2,3-Trichlorobenzene	< 12.5	ug/L		10/7/2021 17:04
1,2,4-Trichlorobenzene	< 12.5	ug/L		10/7/2021 17:04
1,2-Dibromo-3-Chloropropane	< 25.0	ug/L		10/7/2021 17:04
1,2-Dibromoethane	< 5.00	ug/L		10/7/2021 17:04
1,2-Dichlorobenzene	< 5.00	ug/L		10/7/2021 17:04
1,2-Dichloroethane	< 5.00	ug/L		10/7/2021 17:04
1,2-Dichloropropane	< 5.00	ug/L	L	10/7/2021 17:04
1,3-Dichlorobenzene	< 5.00	ug/L		10/7/2021 17:04
1,4-Dichlorobenzene	< 5.00	ug/L		10/7/2021 17:04
1,4-Dioxane	< 25.0	ug/L		10/7/2021 17:04
2-Butanone	< 25.0	ug/L		10/7/2021 17:04
2-Hexanone	< 12.5	ug/L		10/7/2021 17:04
4-Methyl-2-pentanone	< 12.5	ug/L		10/7/2021 17:04
Acetone	< 25.0	ug/L		10/7/2021 17:04
Benzene	< 2.50	ug/L	L	10/7/2021 17:04
Bromochloromethane	< 12.5	ug/L		10/7/2021 17:04
Bromodichloromethane	< 5.00	ug/L	L	10/7/2021 17:04
Bromoform	< 12.5	ug/L		10/7/2021 17:04
Bromomethane	< 5.00	ug/L		10/7/2021 17:04
Carbon disulfide	< 5.00	ug/L		10/7/2021 17:04
Carbon Tetrachloride	< 5.00	ug/L		10/7/2021 17:04
Chlorobenzene	< 5.00	ug/L		10/7/2021 17:04
Chloroethane	< 5.00	ug/L		10/7/2021 17:04

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-105		
Lab Sample ID:	214498-05	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Chloroform	< 5.00	ug/L		10/7/2021	17:04
Chloromethane	< 5.00	ug/L		10/7/2021	17:04
cis-1,2-Dichloroethene	**321**	ug/L		10/7/2021	17:04
cis-1,3-Dichloropropene	< 5.00	ug/L		10/7/2021	17:04
Cyclohexane	< 25.0	ug/L		10/7/2021	17:04
Dibromochloromethane	< 5.00	ug/L		10/7/2021	17:04
Dichlorodifluoromethane	< 5.00	ug/L		10/7/2021	17:04
Ethylbenzene	< 5.00	ug/L		10/7/2021	17:04
Freon 113	< 5.00	ug/L		10/7/2021	17:04
Isopropylbenzene	< 5.00	ug/L		10/7/2021	17:04
m,p-Xylene	< 5.00	ug/L		10/7/2021	17:04
Methyl acetate	< 5.00	ug/L		10/7/2021	17:04
Methyl tert-butyl Ether	< 5.00	ug/L		10/7/2021	17:04
Methylcyclohexane	< 5.00	ug/L		10/7/2021	17:04
Methylene chloride	< 12.5	ug/L		10/7/2021	17:04
o-Xylene	< 5.00	ug/L		10/7/2021	17:04
Styrene	< 12.5	ug/L		10/7/2021	17:04
Tetrachloroethene	**4.69**	ug/L	JL	10/7/2021	17:04
Toluene	< 5.00	ug/L		10/7/2021	17:04
trans-1,2-Dichloroethene	< 5.00	ug/L		10/7/2021	17:04
trans-1,3-Dichloropropene	< 5.00	ug/L		10/7/2021	17:04
Trichloroethene	**21.7**	ug/L		10/7/2021	17:04
Trichlorofluoromethane	< 5.00	ug/L		10/7/2021	17:04
Vinyl chloride	**59.2**	ug/L		10/7/2021	17:04

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	MW-105		
Lab Sample ID:	214498-05	**Date Sampled:**	10/5/2021
Matrix:	Groundwater	**Date Received:**	10/5/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**105**	83 - 120		10/7/2021	17:04
4-Bromofluorobenzene	**94.9**	65.5 - 118		10/7/2021	17:04
Pentafluorobenzene	**112**	91.2 - 109	*	10/7/2021	17:04
Toluene-D8	**98.8**	79.7 - 112		10/7/2021	17:04

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z04566.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	Trip Blank T1072		
Lab Sample ID:	214498-06	**Date Sampled:**	9/30/2021
Matrix:	Water	**Date Received:**	10/5/2021

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		10/6/2021 19:21
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		10/6/2021 19:21
1,1,2-Trichloroethane	< 2.00	ug/L		10/6/2021 19:21
1,1-Dichloroethane	< 2.00	ug/L		10/6/2021 19:21
1,1-Dichloroethene	< 2.00	ug/L		10/6/2021 19:21
1,2,3-Trichlorobenzene	< 5.00	ug/L		10/6/2021 19:21
1,2,4-Trichlorobenzene	< 5.00	ug/L		10/6/2021 19:21
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		10/6/2021 19:21
1,2-Dibromoethane	< 2.00	ug/L		10/6/2021 19:21
1,2-Dichlorobenzene	< 2.00	ug/L		10/6/2021 19:21
1,2-Dichloroethane	< 2.00	ug/L		10/6/2021 19:21
1,2-Dichloropropane	< 2.00	ug/L		10/6/2021 19:21
1,3-Dichlorobenzene	< 2.00	ug/L		10/6/2021 19:21
1,4-Dichlorobenzene	< 2.00	ug/L		10/6/2021 19:21
1,4-Dioxane	< 10.0	ug/L		10/6/2021 19:21
2-Butanone	< 10.0	ug/L		10/6/2021 19:21
2-Hexanone	< 5.00	ug/L		10/6/2021 19:21
4-Methyl-2-pentanone	< 5.00	ug/L		10/6/2021 19:21
Acetone	**5.33**	ug/L	JB	10/6/2021 19:21
Benzene	< 1.00	ug/L		10/6/2021 19:21
Bromochloromethane	< 5.00	ug/L		10/6/2021 19:21
Bromodichloromethane	< 2.00	ug/L		10/6/2021 19:21
Bromoform	< 5.00	ug/L		10/6/2021 19:21
Bromomethane	< 2.00	ug/L		10/6/2021 19:21
Carbon disulfide	< 2.00	ug/L		10/6/2021 19:21
Carbon Tetrachloride	< 2.00	ug/L		10/6/2021 19:21
Chlorobenzene	< 2.00	ug/L		10/6/2021 19:21
Chloroethane	< 2.00	ug/L		10/6/2021 19:21

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	Trip Blank T1072		
Lab Sample ID:	214498-06	**Date Sampled:**	9/30/2021
Matrix:	Water	**Date Received:**	10/5/2021

Chloroform	< 2.00	ug/L		10/6/2021	19:21
Chloromethane	< 2.00	ug/L		10/6/2021	19:21
cis-1,2-Dichloroethene	**1.12**	ug/L	J	10/6/2021	19:21
cis-1,3-Dichloropropene	< 2.00	ug/L		10/6/2021	19:21
Cyclohexane	< 10.0	ug/L		10/6/2021	19:21
Dibromochloromethane	< 2.00	ug/L		10/6/2021	19:21
Dichlorodifluoromethane	< 2.00	ug/L		10/6/2021	19:21
Ethylbenzene	< 2.00	ug/L		10/6/2021	19:21
Freon 113	< 2.00	ug/L		10/6/2021	19:21
Isopropylbenzene	< 2.00	ug/L		10/6/2021	19:21
m,p-Xylene	< 2.00	ug/L		10/6/2021	19:21
Methyl acetate	< 2.00	ug/L		10/6/2021	19:21
Methyl tert-butyl Ether	< 2.00	ug/L		10/6/2021	19:21
Methylcyclohexane	< 2.00	ug/L		10/6/2021	19:21
Methylene chloride	< 5.00	ug/L		10/6/2021	19:21
o-Xylene	< 2.00	ug/L		10/6/2021	19:21
Styrene	< 5.00	ug/L		10/6/2021	19:21
Tetrachloroethene	< 2.00	ug/L		10/6/2021	19:21
Toluene	< 2.00	ug/L		10/6/2021	19:21
trans-1,2-Dichloroethene	< 2.00	ug/L		10/6/2021	19:21
trans-1,3-Dichloropropene	< 2.00	ug/L		10/6/2021	19:21
Trichloroethene	< 2.00	ug/L		10/6/2021	19:21
Trichlorofluoromethane	< 2.00	ug/L		10/6/2021	19:21
Vinyl chloride	< 2.00	ug/L		10/6/2021	19:21

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214498

Client: **Stantec**

Project Reference: Ward Street

Sample Identifier:	Trip Blank T1072		
Lab Sample ID:	214498-06	**Date Sampled:**	9/30/2021
Matrix:	Water	**Date Received:**	10/5/2021

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**122**	83 - 120	*	10/6/2021	19:21
4-Bromofluorobenzene	**110**	65.5 - 118		10/6/2021	19:21
Pentafluorobenzene	**114**	91.2 - 109	*	10/6/2021	19:21
Toluene-D8	**107**	79.7 - 112		10/6/2021	19:21

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z04533.D

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Method Blank Report

Client: **Stantec**
Project Reference: Ward Street
Lab Project ID: 214498
SDG #: 4498-01
Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	<2.00	ug/L		10/6/2021	16:27
1,1,2,2-Tetrachloroethane	<2.00	ug/L		10/6/2021	16:27
1,1,2-Trichloroethane	<2.00	ug/L		10/6/2021	16:27
1,1-Dichloroethane	<2.00	ug/L		10/6/2021	16:27
1,1-Dichloroethene	<2.00	ug/L		10/6/2021	16:27
1,2,3-Trichlorobenzene	<5.00	ug/L		10/6/2021	16:27
1,2,4-Trichlorobenzene	<5.00	ug/L		10/6/2021	16:27
1,2-Dibromo-3-Chloropropane	<10.0	ug/L		10/6/2021	16:27
1,2-Dibromoethane	<2.00	ug/L		10/6/2021	16:27
1,2-Dichlorobenzene	<2.00	ug/L		10/6/2021	16:27
1,2-Dichloroethane	<2.00	ug/L		10/6/2021	16:27
1,2-Dichloropropane	<2.00	ug/L		10/6/2021	16:27
1,3-Dichlorobenzene	<2.00	ug/L		10/6/2021	16:27
1,4-Dichlorobenzene	<2.00	ug/L		10/6/2021	16:27
1,4-Dioxane	<10.0	ug/L		10/6/2021	16:27
2-Butanone	<10.0	ug/L		10/6/2021	16:27
2-Hexanone	**7.44**	ug/L		10/6/2021	16:27
4-Methyl-2-pentanone	<5.00	ug/L		10/6/2021	16:27
Acetone	**33.6**	ug/L		10/6/2021	16:27
Benzene	<1.00	ug/L		10/6/2021	16:27
Bromochloromethane	<5.00	ug/L		10/6/2021	16:27
Bromodichloromethane	<2.00	ug/L		10/6/2021	16:27
Bromoform	<5.00	ug/L		10/6/2021	16:27
Bromomethane	<2.00	ug/L		10/6/2021	16:27
Carbon disulfide	<2.00	ug/L		10/6/2021	16:27
Carbon Tetrachloride	<2.00	ug/L		10/6/2021	16:27
Chlorobenzene	<2.00	ug/L		10/6/2021	16:27

PARADIGM
ENVIRONMENTAL SERVICES, INC

Method Blank Report

Client: **Stantec**
Project Reference: Ward Street
Lab Project ID: 214498
SDG #: 4498-01
Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
Chloroethane	<2.00	ug/L		10/6/2021	16:27
Chloroform	<2.00	ug/L		10/6/2021	16:27
Chloromethane	<2.00	ug/L		10/6/2021	16:27
cis-1,2-Dichloroethene	<2.00	ug/L		10/6/2021	16:27
cis-1,3-Dichloropropene	<2.00	ug/L		10/6/2021	16:27
Cyclohexane	<10.0	ug/L		10/6/2021	16:27
Dibromochloromethane	<2.00	ug/L		10/6/2021	16:27
Dichlorodifluoromethane	<2.00	ug/L		10/6/2021	16:27
Ethylbenzene	<2.00	ug/L		10/6/2021	16:27
Freon 113	<2.00	ug/L		10/6/2021	16:27
Isopropylbenzene	<2.00	ug/L		10/6/2021	16:27
m,p-Xylene	<2.00	ug/L		10/6/2021	16:27
Methyl acetate	<2.00	ug/L		10/6/2021	16:27
Methyl tert-butyl Ether	<2.00	ug/L		10/6/2021	16:27
Methylcyclohexane	<2.00	ug/L		10/6/2021	16:27
Methylene chloride	<5.00	ug/L		10/6/2021	16:27
o-Xylene	<2.00	ug/L		10/6/2021	16:27
Styrene	<5.00	ug/L		10/6/2021	16:27
Tetrachloroethene	<2.00	ug/L		10/6/2021	16:27
Toluene	<2.00	ug/L		10/6/2021	16:27
trans-1,2-Dichloroethene	<2.00	ug/L		10/6/2021	16:27
trans-1,3-Dichloropropene	<2.00	ug/L		10/6/2021	16:27
Trichloroethene	<2.00	ug/L		10/6/2021	16:27
Trichlorofluoromethane	<2.00	ug/L		10/6/2021	16:27
Vinyl chloride	<2.00	ug/L		10/6/2021	16:27

PARADIGM
ENVIRONMENTAL SERVICES, INC

Method Blank Report

Client: **Stantec**
Project Reference: Ward Street
Lab Project ID: 214498
SDG #: 4498-01
Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
1,2-Dichloroethane-d4	**112**	83 - 120		10/6/2021 16:27
4-Bromofluorobenzene	**114**	65.5 - 118		10/6/2021 16:27
Pentafluorobenzene	**116**	91.2 - 109	*	10/6/2021 16:27
Toluene-D8	**102**	79.7 - 112		10/6/2021 16:27

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z04524.D
QC Batch ID: QC211006VOAW
QC Number: Blk 1

PARADIGM
ENVIRONMENTAL SERVICES, INC

QC Report for Laboratory Control Sample

Client: **Stantec**
Project Reference: Ward Street
Lab Project ID: 214498
SDG #: 4498-01
Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	22.1	111	85 - 128		10/6/2021
1,1,2,2-Tetrachloroethane	20.0	ug/L	19.3	96.5	55.4 - 146		10/6/2021
1,1,2-Trichloroethane	20.0	ug/L	20.0	99.9	72.4 - 115		10/6/2021
1,1-Dichloroethane	20.0	ug/L	21.7	109	83.8 - 118		10/6/2021
1,1-Dichloroethene	20.0	ug/L	20.1	100	66.7 - 112		10/6/2021
1,2-Dichlorobenzene	20.0	ug/L	18.0	89.9	75.5 - 113		10/6/2021
1,2-Dichloroethane	20.0	ug/L	21.1	105	83 - 112		10/6/2021
1,2-Dichloropropane	20.0	ug/L	20.2	101	82.4 - 104		10/6/2021
1,3-Dichlorobenzene	20.0	ug/L	17.7	88.3	74.6 - 103		10/6/2021
1,4-Dichlorobenzene	20.0	ug/L	17.6	87.8	74.9 - 102		10/6/2021
Benzene	20.0	ug/L	20.9	104	87.6 - 106		10/6/2021
Bromodichloromethane	20.0	ug/L	20.7	104	84.1 - 105		10/6/2021
Bromoform	20.0	ug/L	19.4	96.8	61.9 - 132		10/6/2021
Bromomethane	20.0	ug/L	24.9	125	23.7 - 187		10/6/2021
Carbon Tetrachloride	20.0	ug/L	21.5	108	85.9 - 117		10/6/2021
Chlorobenzene	20.0	ug/L	19.2	96.0	82.7 - 103		10/6/2021

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: **Stantec**

Project Reference: Ward Street

Lab Project ID: 214498

SDG #: 4498-01

Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/L	22.5	113	63.7 - 135		10/6/2021
Chloroform	20.0	ug/L	22.0	110	86.9 - 113		10/6/2021
Chloromethane	20.0	ug/L	25.7	128	35 - 169		10/6/2021
cis-1,3-Dichloropropene	20.0	ug/L	19.7	98.6	74.8 - 106		10/6/2021
Dibromochloromethane	20.0	ug/L	20.2	101	76.1 - 110		10/6/2021
Ethylbenzene	20.0	ug/L	19.2	96.0	81.5 - 105		10/6/2021
Methylene chloride	20.0	ug/L	20.4	102	49.4 - 124		10/6/2021
Tetrachloroethene	20.0	ug/L	22.1	111	73 - 112		10/6/2021
Toluene	20.0	ug/L	19.4	97.1	78.6 - 106		10/6/2021
trans-1,2-Dichloroethene	20.0	ug/L	21.2	106	76 - 113		10/6/2021
trans-1,3-Dichloropropene	20.0	ug/L	18.6	93.1	64.4 - 107		10/6/2021
Trichloroethene	20.0	ug/L	21.0	105	84.7 - 109		10/6/2021
Trichlorofluoromethane	20.0	ug/L	23.1	115	75.2 - 129		10/6/2021
Vinyl chloride	20.0	ug/L	24.6	123	54.9 - 139		10/6/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC

QC Report for Laboratory Control Sample

Client: **Stantec**

Project Reference: Ward Street

Lab Project ID: 214498

SDG #: 4498-01

Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Method Reference(s):	EPA 8260C EPA 5030C						
Data File:	z04523.D						
QC Number:	LCS 1						
QC Batch ID:	QC211006VOAW						

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Method Blank Report

Client: **Stantec**
Project Reference: Ward Street
Lab Project ID: 214498
SDG #: 4498-01
Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	<2.00	ug/L		10/7/2021	16:06
1,1,2,2-Tetrachloroethane	<2.00	ug/L		10/7/2021	16:06
1,1,2-Trichloroethane	<2.00	ug/L		10/7/2021	16:06
1,1-Dichloroethane	<2.00	ug/L		10/7/2021	16:06
1,1-Dichloroethene	<2.00	ug/L		10/7/2021	16:06
1,2,3-Trichlorobenzene	<5.00	ug/L		10/7/2021	16:06
1,2,4-Trichlorobenzene	<5.00	ug/L		10/7/2021	16:06
1,2-Dibromo-3-Chloropropane	<10.0	ug/L		10/7/2021	16:06
1,2-Dibromoethane	<2.00	ug/L		10/7/2021	16:06
1,2-Dichlorobenzene	<2.00	ug/L		10/7/2021	16:06
1,2-Dichloroethane	<2.00	ug/L		10/7/2021	16:06
1,2-Dichloropropane	<2.00	ug/L		10/7/2021	16:06
1,3-Dichlorobenzene	<2.00	ug/L		10/7/2021	16:06
1,4-Dichlorobenzene	<2.00	ug/L		10/7/2021	16:06
1,4-Dioxane	<10.0	ug/L		10/7/2021	16:06
2-Butanone	<10.0	ug/L		10/7/2021	16:06
2-Hexanone	**5.29**	ug/L		10/7/2021	16:06
4-Methyl-2-pentanone	<5.00	ug/L		10/7/2021	16:06
Acetone	<10.0	ug/L		10/7/2021	16:06
Benzene	<1.00	ug/L		10/7/2021	16:06
Bromochloromethane	<5.00	ug/L		10/7/2021	16:06
Bromodichloromethane	<2.00	ug/L		10/7/2021	16:06
Bromoform	<5.00	ug/L		10/7/2021	16:06
Bromomethane	<2.00	ug/L		10/7/2021	16:06
Carbon disulfide	<2.00	ug/L		10/7/2021	16:06
Carbon Tetrachloride	<2.00	ug/L		10/7/2021	16:06
Chlorobenzene	<2.00	ug/L		10/7/2021	16:06

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Method Blank Report

Client: **Stantec**

Project Reference: Ward Street

Lab Project ID: 214498

SDG #: 4498-01

Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
Chloroethane	<2.00	ug/L		10/7/2021	16:06
Chloroform	<2.00	ug/L		10/7/2021	16:06
Chloromethane	<2.00	ug/L		10/7/2021	16:06
cis-1,2-Dichloroethene	<2.00	ug/L		10/7/2021	16:06
cis-1,3-Dichloropropene	<2.00	ug/L		10/7/2021	16:06
Cyclohexane	<10.0	ug/L		10/7/2021	16:06
Dibromochloromethane	<2.00	ug/L		10/7/2021	16:06
Dichlorodifluoromethane	<2.00	ug/L		10/7/2021	16:06
Ethylbenzene	<2.00	ug/L		10/7/2021	16:06
Freon 113	<2.00	ug/L		10/7/2021	16:06
Isopropylbenzene	<2.00	ug/L		10/7/2021	16:06
m,p-Xylene	<2.00	ug/L		10/7/2021	16:06
Methyl acetate	<2.00	ug/L		10/7/2021	16:06
Methyl tert-butyl Ether	<2.00	ug/L		10/7/2021	16:06
Methylcyclohexane	<2.00	ug/L		10/7/2021	16:06
Methylene chloride	<5.00	ug/L		10/7/2021	16:06
o-Xylene	<2.00	ug/L		10/7/2021	16:06
Styrene	<5.00	ug/L		10/7/2021	16:06
Tetrachloroethene	<2.00	ug/L		10/7/2021	16:06
Toluene	<2.00	ug/L		10/7/2021	16:06
trans-1,2-Dichloroethene	<2.00	ug/L		10/7/2021	16:06
trans-1,3-Dichloropropene	<2.00	ug/L		10/7/2021	16:06
Trichloroethene	<2.00	ug/L		10/7/2021	16:06
Trichlorofluoromethane	<2.00	ug/L		10/7/2021	16:06
Vinyl chloride	<2.00	ug/L		10/7/2021	16:06

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Method Blank Report

Client: **Stantec**

Project Reference: Ward Street

Lab Project ID: 214498

SDG #: 4498-01

Matrix: Groundwater

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
Surrogate	**Percent Recovery**	**Limits**	**Outliers**	**Date Analyzed**
1,2-Dichloroethane-d4	**117**	83 - 120		10/7/2021 16:06
4-Bromofluorobenzene	**104**	65.5 - 118		10/7/2021 16:06
Pentafluorobenzene	**119**	91.2 - 109	*	10/7/2021 16:06
Toluene-D8	**113**	79.7 - 112	*	10/7/2021 16:06

Method Reference(s): EPA 8260C
EPA 5030C

Data File: z04563.D

QC Batch ID: QC211007VOAW

QC Number: Blk 1

PARADIGM

ENVIRONMENTAL SERVICES, INC

QC Report for Laboratory Control Sample

Client: **Stantec**

Project Reference: Ward Street

Lab Project ID: 214498

SDG #: 4498-01

Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
1,1,1-Trichloroethane	20.0	ug/L	20.4	102	85 - 128		10/7/2021
1,1,2,2-Tetrachloroethane	20.0	ug/L	17.4	87.1	55.4 - 146		10/7/2021
1,1,2-Trichloroethane	20.0	ug/L	21.3	107	72.4 - 115		10/7/2021
1,1-Dichloroethane	20.0	ug/L	21.5	108	83.8 - 118		10/7/2021
1,1-Dichloroethene	20.0	ug/L	18.5	92.3	66.7 - 112		10/7/2021
1,2-Dichlorobenzene	20.0	ug/L	17.3	86.6	75.5 - 113		10/7/2021
1,2-Dichloroethane	20.0	ug/L	22.0	110	83 - 112		10/7/2021
1,2-Dichloropropane	20.0	ug/L	21.3	107	82.4 - 104	*	10/7/2021
1,3-Dichlorobenzene	20.0	ug/L	16.6	83.2	74.6 - 103		10/7/2021
1,4-Dichlorobenzene	20.0	ug/L	16.7	83.3	74.9 - 102		10/7/2021
Benzene	20.0	ug/L	21.2	106	87.6 - 106	*	10/7/2021
Bromodichloromethane	20.0	ug/L	21.1	106	84.1 - 105	*	10/7/2021
Bromoform	20.0	ug/L	18.4	91.8	61.9 - 132		10/7/2021
Bromomethane	20.0	ug/L	24.4	122	23.7 - 187		10/7/2021
Carbon Tetrachloride	20.0	ug/L	19.6	97.9	85.9 - 117		10/7/2021
Chlorobenzene	20.0	ug/L	18.7	93.4	82.7 - 103		10/7/2021

PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: **Stantec**
Project Reference: Ward Street
Lab Project ID: 214498
SDG #: 4498-01
Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Chloroethane	20.0	ug/L	21.4	107	63.7 - 135		10/7/2021
Chloroform	20.0	ug/L	21.8	109	86.9 - 113		10/7/2021
Chloromethane	20.0	ug/L	23.6	118	35 - 169		10/7/2021
cis-1,3-Dichloropropene	20.0	ug/L	20.7	104	74.8 - 106		10/7/2021
Dibromochloromethane	20.0	ug/L	21.6	108	76.1 - 110		10/7/2021
Ethylbenzene	20.0	ug/L	16.8	83.8	81.5 - 105		10/7/2021
Methylene chloride	20.0	ug/L	20.3	102	49.4 - 124		10/7/2021
Tetrachloroethene	20.0	ug/L	22.7	114	73 - 112	*	10/7/2021
Toluene	20.0	ug/L	20.1	101	78.6 - 106		10/7/2021
trans-1,2-Dichloroethene	20.0	ug/L	20.4	102	76 - 113		10/7/2021
trans-1,3-Dichloropropene	20.0	ug/L	19.6	97.8	64.4 - 107		10/7/2021
Trichloroethene	20.0	ug/L	20.5	103	84.7 - 109		10/7/2021
Trichlorofluoromethane	20.0	ug/L	20.6	103	75.2 - 129		10/7/2021
Vinyl chloride	20.0	ug/L	21.4	107	54.9 - 139		10/7/2021

PARADIGM

ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: **Stantec**

Project Reference: Ward Street

Lab Project ID: 214498

SDG #: 4498-01

Matrix: Groundwater

Volatile Organics

Analyte	Spike Added	Spike Units	LCS Result	LCS % Recovery	% Rec Limits	LCS Outliers	Date Analyzed
Method Reference(s):	EPA 8260C EPA 5030C						
Data File:	z04562.D						
QC Number:	LCS 1						
QC Batch ID:	QC211007VOAW						

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

PARADIGM

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	STANTEC	CLIENT:	SAME	214498
ADDRESS:	61 Commercial St Suite 100	ADDRESS:		Quotation #:
CITY:	Rochester STATE: NY ZIP 14614	CITY: STATE: ZIP:		
PHONE:	(585) 363-0865	PHONE:		Email: laura.best@stantec.com steven.rife@stantec.com
ATTN:	Laura Best; Steven Rife	ATTN:	AP	

PROJECT REFERENCE

Ward Street

Matrix Codes:

AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL VOC (8260)	TOC (5310)	REMARKS	PARADIGM LAB SAMPLE NUMBER
10/5/2021	0900		X	MW-207R	GW	4	X	X		01
	0955		X	MW-16		4	X	X		02
	1035		X	MW-16R		4	X	X		03
	1255 ~~1135~~		X	MW-23		4	X	X		04
	1420		X	MW-105		4	X	X		05
9/30/21 per sample Label mr 10/5/21				Trip Blank TI072 per Sample Label mr 10/5/21	W per history mr 10/5/21	1	X			06
									10°C iced 10/5/21 1540 started in field mr N/A custody seal client delivered	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required		None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A	X	NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Date Needed _____ please indicate date needed:		Other please indicate package needed:		Other EDD please indicate EDD needed:	X
				STANTEC	

Steven Rife SR	10/5/21	Total Cost:	
Sampled By	Date/Time		
Steven Rife SR	10/5/21		
Relinquished By	Date/Time		
	10/5/21	P.I.F.	
Received By	Date/Time		
Molly Reid 10/5/21	10/5/21 15:40 1541		
Received @ Lab By	Date/Time		

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

2062

PARADIGM

Chain of Custody Supplement

Client: Stantec **Completed by:** MelyRail

Lab Project ID: 214498 **Date:** 10/5/21

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt — Yes	No	N/A
Container Type	☑	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☑
Headspace (<1 mL)	☑	☐	☐
Comments			
Preservation	☑	☐	☐
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☑
Comments			
Holding Time	☑	☐	☐
Comments			
Temperature	☑	☐	☐
Comments	ID'd and started in field		
Compliant Sample Quantity/Type	☑	☐	☐
Comments			

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

October 11, 2021

Sarah Conlon
Paradigm Environmental
179 Lake Avenue
Rochester, NY 14608

TEL: (800) 724-1997

Work Order No: 211006017

RE: Analysis of Samples
Project# 214498

Dear Sarah Conlon:

Adirondack Environmental Services, Inc received 5 samples on 10/6/2021 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

Adirondack Environmental Services, Inc — CASE NARRATIVE

Paradigm Environmental

Analysis of Samples

Project# 214498

Date: *11-Oct-21*

Lab WorkOrder: **211006017**

Sample containers were not supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:		
	ND : Not Detected at reporting limit	C: CCV below acceptable Limits
	J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
	B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
	X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
	H: Hold time exceeded	Z: Duplication outside acceptable limits
	N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
	N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *11-Oct-21*

CLIENT: Paradigm Environmental
Project: Analysis of Samples
Project# 214498

LabWork Order: **211006017**
PO#:

Lab SampleID: 211006017-001 **Collection Date:** 10/5/2021
Client Sample ID: MW-207R **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**3.1**	1.0		mg/L	1	10/11/2021 10:06:00 AM

Lab SampleID: 211006017-002 **Collection Date:** 10/5/2021
Client Sample ID: MW-16 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**6.9**	1.0		mg/L	1	10/11/2021 10:50:00 AM

Lab SampleID: 211006017-003 **Collection Date:** 10/5/2021
Client Sample ID: MW-16R **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**11.6**	1.0		mg/L	1	10/11/2021 11:09:00 AM

Lab SampleID: 211006017-004 **Collection Date:** 10/5/2021
Client Sample ID: MW-23 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**16.2**	1.0	S+	mg/L	1	10/11/2021 2:28:00 PM

Lab SampleID: 211006017-005 **Collection Date:** 10/5/2021
Client Sample ID: MW-105 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**2.9**	1.0	S+	mg/L	1	10/11/2021 2:47:00 PM

CLIENT: Paradigm Environmental
Work Order: 211006017
Project: Analysis of Samples

ANALYTICAL QC SUMMARY REPORT

BatchID: R199784

MBLK

SeqNo: **3176601** TestNo: **SM5310C** RunNo: **199784**
Samp ID: **MBLK** Units: **mg/L** Analysis Date: **10/8/2021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	ND	1.00	0	0	0	0	0	0	0		

lcs

SeqNo: **3176482** TestNo: **SM5310C** RunNo: **199784**
Samp ID: **LCS** Units: **mg/L** Analysis Date: **10/8/2021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	51.69	5.00	50.2	0	103	82.7	120	0	0		

lcs

SeqNo: **3176525** TestNo: **SM5310C** RunNo: **199784**
Samp ID: **LCS** Units: **mg/L** Analysis Date: **10/11/2021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	93.17	5.00	50.2	0	186	82.7	120	0	0		S

ms

SeqNo: **3176522** TestNo: **SM5310C** RunNo: **199784**
Samp ID: **211006017-001 (MW-207R)** Units: **mg/L** Analysis Date: **10/11/2021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	27.74	1.00	25	3.142	98.4	83.1	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

21100617

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

ADIRONDACK: ELAP ID: 1(

21100617 Demo

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:		STD	
PROJECT NAME/SITE NAME:		ATTN:	Reporting	ATTN:	Accounts Payable
		COMMENTS:	Please email results to reporting@paradigmenv.com	Date Due:	10/13/21

REQUESTED ANALYSIS

QC Supplement

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	TOC	REMARKS	PARADIGM LAB SAMPLE NUMBER
001	1	10/5/21	0900		X	MW-207R	GW	2	X	21498-01
002	2		0955			MW-16				02
003	3		1035			MW-16R				03
004	4		1255			MW-23				04
005	5		1420			MW-105				05
	6									
	7									
	8									
	9									
	10									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments: Wet AES ice 10/6		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments: 4°C		

Client

	Sampled By	Date/Time
	Molly Vail	10/6/21 0830
Relinquished By		Date/Time
	[signature]	10/6/21 2:22
Received By		Date/Time
	[signature]	10/6/21 5:30pm
Received @ Lab By		Date/Time

Total Cost:

P.I.F.

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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

PARADIGM

PARADIGM
ENVIRONMENTAL SERVICES, INC

Analytical Report For

Stantec

For Lab Project ID

214909

Referencing

Ward St Soil Disposal Profile

Prepared

Monday, November 8, 2021

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	TP-1 VOC		
Lab Sample ID:	214909-01	**Date Sampled:**	10/28/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		11/2/2021 18:23
1,2-Dichloroethane	< 20.0	ug/L	500		11/2/2021 18:23
2-Butanone	< 100	ug/L	200000		11/2/2021 18:23
Benzene	< 20.0	ug/L	500		11/2/2021 18:23
Carbon Tetrachloride	< 20.0	ug/L	500		11/2/2021 18:23
Chlorobenzene	< 20.0	ug/L	100000		11/2/2021 18:23
Chloroform	< 20.0	ug/L	6000		11/2/2021 18:23
Tetrachloroethene	< 20.0	ug/L	700		11/2/2021 18:23
Trichloroethene	< 20.0	ug/L	500		11/2/2021 18:23
Vinyl chloride	< 20.0	ug/L	200		11/2/2021 18:23

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**104**	77.9 - 132		11/2/2021 18:23
4-Bromofluorobenzene	**101**	62.6 - 133		11/2/2021 18:23
Pentafluorobenzene	**106**	88.9 - 114		11/2/2021 18:23
Toluene-D8	**97.9**	75.6 - 117		11/2/2021 18:23

Method Reference(s): EPA 8260C
EPA 1311 / 5030C

Data File: z05191.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	TP-3 VOC		
Lab Sample ID:	214909-02	**Date Sampled:**	10/28/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		11/2/2021 18:43
1,2-Dichloroethane	< 20.0	ug/L	500		11/2/2021 18:43
2-Butanone	< 100	ug/L	200000		11/2/2021 18:43
Benzene	< 20.0	ug/L	500		11/2/2021 18:43
Carbon Tetrachloride	< 20.0	ug/L	500		11/2/2021 18:43
Chlorobenzene	< 20.0	ug/L	100000		11/2/2021 18:43
Chloroform	< 20.0	ug/L	6000		11/2/2021 18:43
Tetrachloroethene	< 20.0	ug/L	700		11/2/2021 18:43
Trichloroethene	< 20.0	ug/L	500		11/2/2021 18:43
Vinyl chloride	< 20.0	ug/L	200		11/2/2021 18:43

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**114**	77.9 - 132		11/2/2021 18:43
4-Bromofluorobenzene	**123**	62.6 - 133		11/2/2021 18:43
Pentafluorobenzene	**106**	88.9 - 114		11/2/2021 18:43
Toluene-D8	**103**	75.6 - 117		11/2/2021 18:43

Method Reference(s): EPA 8260C
EPA 1311 / 5030C

Data File: z05192.D

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	TP-4 VOC		
Lab Sample ID:	214909-03	**Date Sampled:**	10/28/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		11/2/2021 19:02
1,2-Dichloroethane	< 20.0	ug/L	500		11/2/2021 19:02
2-Butanone	< 100	ug/L	200000		11/2/2021 19:02
Benzene	< 20.0	ug/L	500		11/2/2021 19:02
Carbon Tetrachloride	< 20.0	ug/L	500		11/2/2021 19:02
Chlorobenzene	< 20.0	ug/L	100000		11/2/2021 19:02
Chloroform	< 20.0	ug/L	6000		11/2/2021 19:02
Tetrachloroethene	< 20.0	ug/L	700		11/2/2021 19:02
Trichloroethene	< 20.0	ug/L	500		11/2/2021 19:02
Vinyl chloride	< 20.0	ug/L	200		11/2/2021 19:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**112**	77.9 - 132		11/2/2021 19:02
4-Bromofluorobenzene	**103**	62.6 - 133		11/2/2021 19:02
Pentafluorobenzene	**110**	88.9 - 114		11/2/2021 19:02
Toluene-D8	**102**	75.6 - 117		11/2/2021 19:02

Method Reference(s): EPA 8260C
EPA 1311 / 5030C

Data File: z05193.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-1		
Lab Sample ID:	214909-04	**Date Sampled:**	10/29/2021
Matrix:	Soil	**Date Received:**	10/29/2021

Flash Point

Analyte	Result	Units	Qualifier	Date Analyzed
Flash Point, Celsius	>70.0	C		11/3/2021

Method Reference(s): EPA 1010A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.148	mg/Kg		11/2/2021 18:12
PCB-1221	< 0.148	mg/Kg		11/2/2021 18:12
PCB-1232	< 0.148	mg/Kg		11/2/2021 18:12
PCB-1242	< 0.148	mg/Kg		11/2/2021 18:12
PCB-1248	< 0.148	mg/Kg		11/2/2021 18:12
PCB-1254	< 0.148	mg/Kg		11/2/2021 18:12
PCB-1260	< 0.148	mg/Kg		11/2/2021 18:12
PCB-1262	< 0.148	mg/Kg		11/2/2021 18:12
PCB-1268	< 0.148	mg/Kg		11/2/2021 18:12

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**80.5**	12.2 - 91.2		11/2/2021 18:12

Method Reference(s): EPA 8082A
EPA 3546

Preparation Date: 11/1/2021

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	8.63 @ 21.1 C	S.U.		11/2/2021 11:59

Method Reference(s): EPA 9045D

Reactive Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Cyanide	<1.0	mg/Kg		11/4/2021

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-1		
Lab Sample ID:	214909-04	**Date Sampled:**	10/29/2021
Matrix:	Soil	**Date Received:**	10/29/2021

Method Reference(s): EPA 7.3.3.2
Subcontractor ELAP ID: 10709
ELAP does not offer this test for approval as part of their laboratory certification program.

Reactive Sulfide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Sulfide	**127**	mg/Kg		11/4/2021

Method Reference(s): EPA 7.3.4.2
Subcontractor ELAP ID: 10709
ELAP does not offer this test for approval as part of their laboratory certification program.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-1		
Lab Sample ID:	214909-04A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		11/3/2021 15:37
2,4,5-Trichlorophenol	< 40.0	ug/L	400000		11/3/2021 15:37
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		11/3/2021 15:37
2,4-Dinitrotoluene	< 40.0	ug/L	130		11/3/2021 15:37
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		11/3/2021 15:37
Hexachlorobenzene	< 40.0	ug/L	130		11/3/2021 15:37
Hexachlorobutadiene	< 40.0	ug/L	500		11/3/2021 15:37
Hexachloroethane	< 40.0	ug/L	3000		11/3/2021 15:37
Nitrobenzene	< 40.0	ug/L	2000		11/3/2021 15:37
Pentachlorophenol	< 80.0	ug/L	100000		11/3/2021 15:37
Pyridine	< 40.0	ug/L	5000		11/3/2021 15:37

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**76.2**	49.6 - 116		11/3/2021 15:37
2-Fluorobiphenyl	**52.1**	18.6 - 104		11/3/2021 15:37
2-Fluorophenol	**64.3**	10 - 105		11/3/2021 15:37
Nitrobenzene-d5	**67.1**	51.2 - 99.6		11/3/2021 15:37
Phenol-d5	**58.4**	10 - 104		11/3/2021 15:37
Terphenyl-d14	**72.4**	55.6 - 122		11/3/2021 15:37

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Preparation Date: 11/2/2021
Data File: B57830.D

TCLP Herbicides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
2,4,5-TP (Silvex)	<0.050	mg/L	1		11/2/2021
2,4-D	<0.050	mg/L	10		11/2/2021

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-1		
Lab Sample ID:	214909-04A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

Method Reference(s): EPA 8321B
EPA 1311
Subcontractor ELAP ID: 10709

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		11/2/2021 13:34

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 11/1/2021
Data File: Hg211102B

TCLP Pesticides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Chlordane	< 2.00	ug/L	30		11/4/2021 15:37
Endrin	< 1.00	ug/L	20		11/4/2021 15:37
gamma-BHC (Lindane)	< 1.00	ug/L	400		11/4/2021 15:37
Heptachlor	< 1.00	ug/L	8		11/4/2021 15:37
Heptachlor Epoxide	< 1.00	ug/L	8		11/4/2021 15:37
Methoxychlor	< 1.00	ug/L	10000		11/4/2021 15:37
Toxaphene	< 20.0	ug/L	500		11/4/2021 15:37

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl (1)	**113**	17 - 148		11/4/2021 15:37
Tetrachloro-m-xylene (1)	**89.4**	18 - 112		11/4/2021 15:37

Method Reference(s): EPA 8081B
EPA 1311 / 3510C
Preparation Date: 11/4/2021

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.500	mg/L	5		11/2/2021 18:49
Barium	**0.683**	mg/L	100		11/2/2021 18:49
Cadmium	< 0.0250	mg/L	1		11/2/2021 18:49

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-1		
Lab Sample ID:	214909-04A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

Chromium	< 0.500	mg/L	5	11/2/2021 18:49
Lead	< 0.500	mg/L	5	11/2/2021 18:49
Selenium	< 0.200	mg/L	1	11/2/2021 18:49
Silver	< 0.500	mg/L	5	11/2/2021 18:49

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 11/1/2021
Data File: 211102D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-2		
Lab Sample ID:	214909-05	**Date Sampled:**	10/29/2021
Matrix:	Soil	**Date Received:**	10/29/2021

Flash Point

Analyte	Result	Units	Qualifier	Date Analyzed
Flash Point, Celsius	>70.0	C		11/4/2021

Method Reference(s): EPA 1010A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.143	mg/Kg		11/2/2021 18:36
PCB-1221	< 0.143	mg/Kg		11/2/2021 18:36
PCB-1232	< 0.143	mg/Kg		11/2/2021 18:36
PCB-1242	< 0.143	mg/Kg		11/2/2021 18:36
PCB-1248	< 0.143	mg/Kg		11/2/2021 18:36
PCB-1254	< 0.143	mg/Kg		11/2/2021 18:36
PCB-1260	< 0.143	mg/Kg		11/2/2021 18:36
PCB-1262	< 0.143	mg/Kg		11/2/2021 18:36
PCB-1268	< 0.143	mg/Kg		11/2/2021 18:36

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**83.5**	12.2 - 91.2		11/2/2021 18:36

Method Reference(s): EPA 8082A
EPA 3546

Preparation Date: 11/1/2021

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	8.34 @ 21.2 C	S.U.		11/2/2021 12:01

Method Reference(s): EPA 9045D

Reactive Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Cyanide	<1.0	mg/Kg		11/4/2021

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-2		
Lab Sample ID:	214909-05	**Date Sampled:**	10/29/2021
Matrix:	Soil	**Date Received:**	10/29/2021

Method Reference(s): EPA 7.3.3.2
Subcontractor ELAP ID: 10709
ELAP does not offer this test for approval as part of their laboratory certification program.

Reactive Sulfide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Sulfide	<10	mg/Kg		11/4/2021

Method Reference(s): EPA 7.3.4.2
Subcontractor ELAP ID: 10709
ELAP does not offer this test for approval as part of their laboratory certification program.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-2		
Lab Sample ID:	214909-05A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		11/3/2021 16:06
2,4,5-Trichlorophenol	< 40.0	ug/L	400000		11/3/2021 16:06
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		11/3/2021 16:06
2,4-Dinitrotoluene	< 40.0	ug/L	130		11/3/2021 16:06
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		11/3/2021 16:06
Hexachlorobenzene	< 40.0	ug/L	130		11/3/2021 16:06
Hexachlorobutadiene	< 40.0	ug/L	500		11/3/2021 16:06
Hexachloroethane	< 40.0	ug/L	3000		11/3/2021 16:06
Nitrobenzene	< 40.0	ug/L	2000		11/3/2021 16:06
Pentachlorophenol	< 80.0	ug/L	100000		11/3/2021 16:06
Pyridine	< 40.0	ug/L	5000		11/3/2021 16:06

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**77.7**	49.6 - 116		11/3/2021 16:06
2-Fluorobiphenyl	**52.7**	18.6 - 104		11/3/2021 16:06
2-Fluorophenol	**65.0**	10 - 105		11/3/2021 16:06
Nitrobenzene-d5	**68.5**	51.2 - 99.6		11/3/2021 16:06
Phenol-d5	**59.9**	10 - 104		11/3/2021 16:06
Terphenyl-d14	**75.0**	55.6 - 122		11/3/2021 16:06

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Preparation Date: 11/2/2021
Data File: B57831.D

TCLP Herbicides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
2,4,5-TP (Silvex)	<0.050	mg/L	1		11/4/2021
2,4-D	<0.050	mg/L	10		11/4/2021

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-2		
Lab Sample ID:	214909-05A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

Method Reference(s): EPA 8321B
EPA 1311
Subcontractor ELAP ID: 10709

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		11/2/2021 13:36

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 11/1/2021
Data File: Hg211102B

TCLP Pesticides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Chlordane	< 2.00	ug/L	30		11/4/2021 15:53
Endrin	< 1.00	ug/L	20		11/4/2021 15:53
gamma-BHC (Lindane)	< 1.00	ug/L	400		11/4/2021 15:53
Heptachlor	< 1.00	ug/L	8		11/4/2021 15:53
Heptachlor Epoxide	< 1.00	ug/L	8		11/4/2021 15:53
Methoxychlor	< 1.00	ug/L	10000		11/4/2021 15:53
Toxaphene	< 20.0	ug/L	500		11/4/2021 15:53

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl (1)	**132**	17 - 148		11/4/2021 15:53
Tetrachloro-m-xylene (1)	**99.3**	18 - 112		11/4/2021 15:53

Method Reference(s): EPA 8081B
EPA 1311 / 3510C
Preparation Date: 11/4/2021

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.500	mg/L	5		11/2/2021 18:54
Barium	**0.786**	mg/L	100		11/2/2021 18:54
Cadmium	< 0.0250	mg/L	1		11/2/2021 18:54

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-2		
Lab Sample ID:	214909-05A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

Chromium	< 0.500	mg/L	5	11/2/2021 18:54
Lead	**0.921**	mg/L	5	11/2/2021 18:54
Selenium	< 0.200	mg/L	1	11/2/2021 18:54
Silver	< 0.500	mg/L	5	11/2/2021 18:54

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 11/1/2021
Data File: 211102D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-3		
Lab Sample ID:	214909-06	**Date Sampled:**	10/29/2021
Matrix:	Soil	**Date Received:**	10/29/2021

Flash Point

Analyte	Result	Units	Qualifier	Date Analyzed
Flash Point, Celsius	>70.0	C		11/4/2021

Method Reference(s): EPA 1010A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.194	mg/Kg		11/2/2021 19:00
PCB-1221	< 0.194	mg/Kg		11/2/2021 19:00
PCB-1232	< 0.194	mg/Kg		11/2/2021 19:00
PCB-1242	< 0.194	mg/Kg		11/2/2021 19:00
PCB-1248	< 0.194	mg/Kg		11/2/2021 19:00
PCB-1254	< 0.194	mg/Kg		11/2/2021 19:00
PCB-1260	< 0.194	mg/Kg		11/2/2021 19:00
PCB-1262	< 0.194	mg/Kg		11/2/2021 19:00
PCB-1268	< 0.194	mg/Kg		11/2/2021 19:00

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**86.8**	12.2 - 91.2		11/2/2021 19:00

Method Reference(s): EPA 8082A
EPA 3546

Preparation Date: 11/1/2021

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	7.65 @ 21.3 C	S.U.		11/2/2021 12:03

Method Reference(s): EPA 9045D

Reactive Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Cyanide	<1.0	mg/Kg		11/5/2021

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-3		
Lab Sample ID:	214909-06	**Date Sampled:**	10/29/2021
Matrix:	Soil	**Date Received:**	10/29/2021

Method Reference(s): EPA 7.3.3.2
Subcontractor ELAP ID: 10709
ELAP does not offer this test for approval as part of their laboratory certification program.

Reactive Sulfide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Sulfide	**105**	mg/Kg		11/5/2021

Method Reference(s): EPA 7.3.4.2
Subcontractor ELAP ID: 10709
ELAP does not offer this test for approval as part of their laboratory certification program.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-3		
Lab Sample ID:	214909-06A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		11/3/2021 16:35
2,4,5-Trichlorophenol	< 40.0	ug/L	400000		11/3/2021 16:35
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		11/3/2021 16:35
2,4-Dinitrotoluene	< 40.0	ug/L	130		11/3/2021 16:35
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		11/3/2021 16:35
Hexachlorobenzene	< 40.0	ug/L	130		11/3/2021 16:35
Hexachlorobutadiene	< 40.0	ug/L	500		11/3/2021 16:35
Hexachloroethane	< 40.0	ug/L	3000		11/3/2021 16:35
Nitrobenzene	< 40.0	ug/L	2000		11/3/2021 16:35
Pentachlorophenol	< 80.0	ug/L	100000		11/3/2021 16:35
Pyridine	< 40.0	ug/L	5000		11/3/2021 16:35

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**76.8**	49.6 - 116		11/3/2021 16:35
2-Fluorobiphenyl	**61.9**	18.6 - 104		11/3/2021 16:35
2-Fluorophenol	**66.3**	10 - 105		11/3/2021 16:35
Nitrobenzene-d5	**71.5**	51.2 - 99.6		11/3/2021 16:35
Phenol-d5	**61.7**	10 - 104		11/3/2021 16:35
Terphenyl-d14	**75.4**	55.6 - 122		11/3/2021 16:35

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Preparation Date: 11/2/2021
Data File: B57832.D

TCLP Herbicides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
2,4,5-TP (Silvex)	<0.050	mg/L	1		11/2/2021
2,4-D	<0.050	mg/L	10		11/2/2021

Method Reference(s): EPA 8321B
EPA 1311
Subcontractor ELAP ID: 10709

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-3		
Lab Sample ID:	214909-06A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		11/2/2021 13:37

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 11/1/2021
Data File: Hg211102B

TCLP Pesticides

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Chlordane	< 2.00	ug/L	30		11/4/2021 16:10
Endrin	< 1.00	ug/L	20		11/4/2021 16:10
gamma-BHC (Lindane)	< 1.00	ug/L	400		11/4/2021 16:10
Heptachlor	< 1.00	ug/L	8		11/4/2021 16:10
Heptachlor Epoxide	< 1.00	ug/L	8		11/4/2021 16:10
Methoxychlor	< 1.00	ug/L	10000		11/4/2021 16:10
Toxaphene	< 20.0	ug/L	500		11/4/2021 16:10

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl (1)	**107**	17 - 148		11/4/2021 16:10
Tetrachloro-m-xylene (1)	**95.7**	18 - 112		11/4/2021 16:10

Method Reference(s): EPA 8081B
EPA 1311 / 3510C
Preparation Date: 11/4/2021

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.500	mg/L	5		11/2/2021 18:58
Barium	**1.03**	mg/L	100		11/2/2021 18:58
Cadmium	< 0.0250	mg/L	1		11/2/2021 18:58
Chromium	< 0.500	mg/L	5		11/2/2021 18:58
Lead	< 0.500	mg/L	5		11/2/2021 18:58
Selenium	< 0.200	mg/L	1		11/2/2021 18:58

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 214909

Client: **Stantec**

Project Reference: Ward St Soil Disposal Profile

Sample Identifier:	Comp-3		
Lab Sample ID:	214909-06A	**Date Sampled:**	10/29/2021
Matrix:	TCLP Extract	**Date Received:**	10/29/2021

Silver	< 0.500	mg/L	5	11/2/2021	18:58

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 11/1/2021
Data File: 211102D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		
CLIENT:	STANTEC	CLIENT:	SAME	LAB PROJECT ID: 214909
ADDRESS:	61 Commercial St	ADDRESS:		Quotation #:
CITY:	Rochester STATE: NY ZIP 14614	CITY:	STATE: ZIP:	
PHONE:	(585) 363-0365	PHONE:		Email: laura.best@stantec.com; mike.staronsky@stantec.com
ATTN:	steven.rife@stantec.com	ATTN:		

PROJECT REFERENCE
Ward St Soil Disposal Profile

Matrix Codes:
AQ - Aqueous Liquid; **NQ** - Non-Aqueous Liquid; **WA** - Water; **WG** - Groundwater; **DW** - Drinking Water; **WW** - Wastewater; **SO** - Soil; **SL** - Sludge; **SD** - Solid; **PT** - Paint; **WP** - Wipe; **CK** - Caulk; **OL** - Oil; **AR** - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCLP VOC	TCLP SVOC	TCLP Herb/Pest	PCBS	Reactive Sulfide	Reactive Cyanide	Flashpt.	pH	TCLP Metals		REMARKS	PARADIGM LAB SAMPLE NUMBER
10/28/21	1050		X	TP-1 VOC	SO	1	X											01
1	1055		X	TP-3 VOC		1	X											02
1	1100		X	TP-4 VOC		1	X											03
10/29/21	1350	X		COMP-1		3		X	X	X	X	X	X	X	X			04A
1	1400	X		COMP-2		3		X	X	X	X	X	X	X	X			05A
1	1410	X		COMP-3	1	3		X	X	X	X	X	X	X	X			06A
																	A for TCLP preheat	
																	Logged 10/29/21 1534	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	None Required	X	None Required	
10 day		Batch QC		Basic EDD	
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B		STANTEC EDD	
Rush 1 day					
Date Needed _____ please indicate date needed:		Other please indicate package needed:		Other EDD please indicate EDD needed:	X

Steven Rife SR — Sampled By	10-28 to 10-29/21 — Date/Time	Total Cost:
Steven Rife SR — Relinquished By	10/29/21 1500 — Date/Time	
Received By	10/29/21 1500 — Date/Time	P.I.F.
Received @ Lab By	10/29/21 1535 — Date/Time	

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: Stantec **Completed by:** Molly Mail

Lab Project ID: 214909 **Date:** 10/29/21

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt- Yes	No	N/A
Container Type	☒	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☐ not VOA	☐	☒
Comments			
Preservation	☐	☐	☒
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☒	☐	☐ met
Comments	4°C, cool		
Compliant Sample Quantity/Type	☒	☐	☐
Comments			

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

21110 1012

CHAIN OF CUSTODY

ADIRONDACK: ELAP ID: 1(

211101012 Demo

REPORT TO:		INVOICE TO:			
COMPANY:	Paradigm Environmental	COMPANY:	Same	LAB PROJECT #:	CLIENT PROJECT #
ADDRESS:		ADDRESS:			
CITY: STATE: ZIP:		CITY: STATE: ZIP:		TURNAROUND TIME: (WORKING DAYS)	
PHONE: FAX:		PHONE: FAX:			STD
PROJECT NAME/SITE NAME:		ATTN:	Reporting	ATTN:	Accounts Payable
		COMMENTS:	Please email results to reporting@paradigmenv.com	Date Due:	11/8/21

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	reactivity		TCLP Herb							REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	10/29/21	1350	X		214909-04	So:l	1	X														
2		1400	X		214909-05		1	X														
3		1410	X		214909-06		1	X														
4		1350	X		214909-04A	TCLP extract	1			X							Samples spun at					
5		1400	X		214909-05A		1			X							Paradigm on 10/29/21					
6		1410	X		214909-06A		1			X							for TCLP Herb					
7																						
8																						
9																						
10																						

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	Not ABS	Y ☐	N ☐
Comments:			
Preservation:		Y ☐	N ☐
Comments:			
Holding Time:		Y ☐	N ☐
Comments:			
Temperature:	4°C	Y ☐	N ☐
Comments:			

Client

	Sampled By	Date/Time
	[signature]	11/1/21 0830
Relinquished By		Date/Time
	[signature]	11/1/21 1126
Received By		Date/Time
	[signature]	11/1/21 2:50
Received @ Lab By		Date/Time

Total Cost:

P.I.F.