Prepared for:
Marquette University
517 North 14th Street
Milwaukee, Wisconsin

Date:
March 2022

Project Number:
1690005819

FORMER ONE-HOUR VALET DRYCLEANER (TAXMAN) SITE

1214-1222 WEST WELLS STREET
MILWAUKEE, WISCONSIN

BRRTS NO. 02-41-152248
FID NO. 241086120

SEMI-ANNUAL PROGRESS REPORT

RAMBOLL

ENVIRONMENT
& HEALTH

CERTIFICATIONS

I, James Hutchens, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A–E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A–E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to NR 726, Wis. Adm. Code.

James L. Hutchens
License No. 26366

I, Jeanne Tarvin, hereby certify that I am a hydrogeologist as that term is defined in NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to NR 726, Wis. Adm. Code.

Jeanne M. Tarvin, PG, CPG
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March 16, 2022
Date

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1. INTRODUCTION

Ramboll US Consulting, Inc. (Ramboll), on behalf of Marquette University (Marquette), has prepared this 2021 Progress Report (the "report") for the former Taxman/One-Hour Valet Drycleaner Site (the "site") located in Milwaukee, Wisconsin. The Wisconsin Department of Natural Resources (WDNR) Bureau of Remediation and Redevelopment Tracking System (BRRTS) has assigned the case number 02-41-152248 to the site. This report has been prepared in accordance with Wisconsin Administrative Code (WAC) Chapter NR 724 and documents post-remedial action monitoring activities at the site. Parties currently involved with the project include the following:

Responsible Party/Site Owner:	Marquette University Mr. Joel Smullen, AIA 517 North 14th Street Milwaukee, WI 53233 (414) 288-4620
Regulatory Agency/Project Manager:	WDNR Mr. Greg Moll 1027 West St. Paul Avenue Milwaukee, WI 53233-2641 (262) 202-3921
Environmental Consultant:	Ramboll US Consulting, Inc. Ms. Jeanne Tarvin, PG, CPG 234 West Florida Street, Fifth Floor Milwaukee, WI 53204 (262) 901-0085

1.1 Site Location and Description

The site is located at 1214-1222 West Wells Street in the southwest ¼ of the northwest ¼ of Section 29, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin (Figure 1). The geographic position of the Site in Wisconsin Transverse Mercator (WTM) 91 (x,y) coordinates obtained from the WDNR Remediation and Redevelopment (RR) interaction site map (http://dnrmaps.wi.gov) is 688795, 287401. The site includes two tax parcels in the City of Milwaukee, identified as 3910218000 and 3910219100.

The site is bounded on the west by a Marquette parking structure, on the north by a hospital parking structure, on the east by North 12th Street, and on the south by West Wells Street, as shown on Figure 2. The site is currently owned by Marquette and is enrolled in the WDNR-administered Drycleaner Environmental Response Fund (DERF) Program. The former site buildings were demolished in 2018 in advance of the remedial action implementation activities and all associated utilities were disconnected. The balance of the paved surfaces was also removed in 2018 following implementation of the remedial actions. Following completion of the remedial activities, Marquette developed the site as asphalt paved surface parking lot.

The site slopes from the northwest to the east and south, resulting in storm water drainage toward North 12th Street and West Wells Street. The nearest surface water body is the Menomonee River, which is located approximately one-half mile to the south of the site. Potable water for the area is provided by the City of Milwaukee municipal water supply, the source of which is Lake Michigan.

1.2 Previous Remediation Activities

The site has been subject to several subsurface investigations since 1999. Following source area soil and groundwater investigation activities, a *Remedial Design Report* including evaluation of remedial action options (Ramboll, 2018) was prepared to document the technical basis, design, and implementation approach for the selected remedial option (*in-situ* enhanced reductive dechlorination [ERD]). The *Remedial Design Report* was approved by the WDNR, and soil and groundwater remediation activities were conducted in July 2018. Approximately 1,940 cubic yards of chlorinated volatile organic compound (CVOC) impacted soil and groundwater were treated using *in-situ* ERD soil blending by incorporating zerovalent iron (ZVI) and a carbon amendment (commercially known as Anaerobic BioChem [ABC®]). The soil blending was primarily focused on treating saturated soil and groundwater at depths below the former dry cleaner's basement floor. Following completion of the soil blending activities, the former basement was backfilled with crushed concrete from the former site buildings. A *Remedial Action Documentation Report* (Ramboll, 2019) was submitted to the WDNR which documented the remediation activities and described the planned post-remediation monitoring including routine groundwater sampling and soil confirmation sampling.

A *Post-Remedial Action Documentation Report* (Ramboll, 2020) was submitted to the WDNR which documented the post-remedial action activities, including site redevelopment and post remedial action activities (e.g., soil confirmation sampling, soil vapor sampling, and groundwater monitoring). Based on the residual CVOC concentrations reported in a subset of the post-remedial action soil and groundwater samples collected, supplemental remedial actions were proposed in the *Post-Remedial Action Documentation Report* to further enhance reductive dechlorination at the site. The supplemental *in-situ* ERD injection activities were completed in August/September 2020 and documented in the *Supplemental Remediation Documentation and Progress Report* (Ramboll, 2021). That report also documented the results of the October 2020 semi-annual groundwater monitoring event.

1.3 Purpose of Report

The purpose of this report is to document activities completed from July 1 to December 31, 2021. Specific objectives include the following:

- Summarize, document, and present the supplemental *in-situ* ERD activities complete in July 2021.
- Summarize the results of the October 2021 semi-annual groundwater monitoring event.
- Present the work plan for the collection of limited per- and polyfluoroalkyl substances (PFAS) groundwater samples as requested by the WDNR.

2. SUPPLEMENTAL *IN-SITU* ERD ACTIVITIES

The following section documents the field activities that were completed as part of the supplemental *in-situ* ERD activities completed on July 14, 2021. The supplemental in-situ ERD activities were completed under an approved Infiltration/Injection Temporary Exemption issued by the WDNR on July 24, 2020 that expired on July 24, 2021. An extension of the exemption approval was requested through an electronic mail (e-mail) on June 10, 2021, and a formal e-mail request on July 29, 2021. Based on direction provided by WDNR, the extension request would be held until

the evaluation of the July 2021 injection and subsequent October 2021 groundwater results have been completed. As such, this report provides this evaluation.

2.1 Subcontractor Identification

The following remediation contractor conducted the supplemental carbon amendment injection activities under Ramboll oversight:

Redox Tech, LLC (Redox Tech)
2800 Centre Circle Drive
Downers Grove, IL 60515

2.2 Supplemental Injection Activities

A supplemental carbon amendment injection event took place on July 14, 2021. The objective of the additional injection event was to further support the existing reducing conditions and continued microbial activity. The work was performed in accordance with Temporary Injection Exemption approval received by the WDNR on July 24, 2020. Notification of the planned injection event was provided to the WDNR on June 10, 2021, via e-mail.

2.2.1 Potable Water Source and Use

During chemical amendment preparation approximately 250 gallons of potable water was used to create the aqueous ABC® solution. Water was obtained from the City of Milwaukee public supply via a faucet located in the adjacent Marquette parking structure immediately west of the injection area.

2.2.2 Injection Monitoring Activities

Surface materials (e.g., asphalt and vegetation) were visually monitored during the injection activities, and no daylighting of the injected amendments was observed. Groundwater elevations were collected immediately before and after completion of the injection activities on July 14, 2021 and are presented in Table 1.

Approximately 296 gallons of carbon amendment solution at a ratio of approximately 16% by volume ABC® product was introduced into the previously constructed injection wells (IW-1 through IW-8). The carbon amendment solution was injected at a rate of approximately 3 gallons per minute at each of the injection wells.

An evaluation of groundwater quality in response to the supplemental amendment injection event was conducted based on the results the October 2021 semi-annual groundwater monitoring event.

3. OCTOBER 2021 GROUNDWATER MONITORING ACTIVITES

The groundwater sampling activities were conducted utilizing the procedures and methodology specified in the *Remedial Design Report* (Ramboll, 2018), *Remedial Action Documentation Report* (Ramboll, 2019) and *Post-Remedial Action Documentation Report* (Ramboll, 2020). The following sections document the third semi-annual post-supplemental amendment injection groundwater sampling event completed in October 2021.

3.1 Groundwater Monitoring

Six monitoring wells (MW-4, MW-5, MW-6, PZ-1R, PZ-2R, and PZ-4) were sampled on October 27, 2021, as part of the ongoing post-remediation low-flow groundwater monitoring program. Monitoring well PZ-1R is a source area well and is located within the boundaries of the *in-situ* ERD soil blending and supplemental *in-situ* ERD injection activities. Monitoring well MW-4 is an upgradient monitoring well. The remaining monitoring wells are located downgradient of the source area. Groundwater monitoring well locations are included on Figure 2.

Groundwater samples collected from the six monitoring wells were submitted to a Wisconsin-certified laboratory for analysis of volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260B. Monitoring well PZ-1R was also sampled for the following monitored natural attenuation (MNA) parameters: ethane/ethene/methane (USEPA Method 8015B Modified), ferrous iron (USEPA Method 3500 and 6020), total organic carbon (USEPA Method 5310C), and sulfate (USEPA Method 300.0).

One quality assurance/quality control (QA/QC) duplicate groundwater sample and QA/QC laboratory trip blank sample were submitted for laboratory analysis as part of the groundwater sampling event. Field parameter measurements including dissolved oxygen (DO), oxidation-reduction potential (ORP), pH, specific conductivity, and temperature were also measured and recorded at each well during the sampling event.

3.2 Groundwater Elevation Measurements

To evaluate groundwater flow directions and hydraulic gradients, groundwater elevations were measured during the October 2021 groundwater sampling event. A summary of historical groundwater elevations is presented in Table 1.

October 2021 groundwater elevations were lower when compared to the previous site-wide groundwater measurement event completed in April 2021. A groundwater potentiometric surface map is provided as Figure 3. The inferred direction of groundwater flow is generally toward the east across the site, with the highest groundwater elevation observed in well MW-2 (near the northwest corner of the property) and the lowest groundwater elevation observed in MW-9 (northeastern portion of the property). This interpretation of local groundwater flow direction is generally consistent with previous observations.

Horizontal and vertical gradients were evaluated between November 2017 and the post-remedial action groundwater sampling events beginning in August 2019. The measured horizontal hydraulic gradient between monitoring wells MW-2 and MW-5 range between 0.043 foot per foot (ft/ft) (November 2017) to 0.059 ft/ft (August 2019). The April and October 2021 horizontal hydraulic gradients were 0.045 ft/ft and 0.051 ft/ft, respectively. The July 2021 supplemental injection activities did not appreciably affect the horizontal gradient observed at the site.

Vertical hydraulic gradients were evaluated between monitoring wells MW-5 and PZ-4. Historical vertical gradients have all been downward and ranged from 0.51 ft/ft (October 2021) to 0.56 ft/ft (November 2017). The vertical hydraulic gradients have not been appreciably affected by the removal of the impervious surfaces or performance of the July 2018 remedial action and supplemental injection activities. The horizontal and vertical hydraulic gradients will continue to be monitored over the duration of the groundwater monitoring program. The calculated horizontal and vertical gradients are shown in Table 2.

3.3 Field Parameter Results

Field parameters consisting of specific conductivity, DO, ORP, pH, and temperature were collected from the monitoring wells sampled during the October 2021 groundwater sampling event. The measured specific conductivity values varied from 3,886 micro-Siemens per centimeter (µS/cm) in MW-5 to 13,947 µS/cm in MW-6.

Measured October 2021 DO levels outside of the July 2021 area of carbon amendment injection ranged from 0.31 milligram per liter (mg/L) at well PZ-4 to 2.67 milligrams per liter (mg/L) at well PZ-2, which is indicative of anaerobic to moderately aerobic conditions. The October 2021 measured DO level at treatment zone well PZ-1R was 0.18 mg/L, which is indicative of continued anaerobic conditions at this location in response to the July 2021 carbon amendment injection event.

Generally, ORP observations increased in all sampled monitoring wells during the October 2021 sampling event. With the exception of monitoring well MW-5, negative ORP values (indicative of reducing conditions) were measured in monitoring wells within and hydraulically downgradient of the *in-situ* soil blending area (PZ-1R, PZ-2R, PZ-4 and MW-6) ranging from -58.6 millivolts (mV) (PZ-1R) to -36.9 mV (PZ-4).

The pH values measured as part of the October 2021 sampling event ranged from 6.43 (PZ-1R) to 7.40 (MW-5) standard units. This measured range in pH values is within the optimal pH range of 6.0 to 8.0 that is favorable for anaerobic dechlorination to occur. The field parameter measurement results are shown in Table 3.

3.4 Groundwater Laboratory Analytical Results

The October 2021 groundwater samples were collected from six monitoring wells and submitted for laboratory analysis in accordance with the approved sampling plan. A copy of the October 2021 laboratory analytical report is provided in Appendix A. Estimated concentrations above the detection limit but below the quantification limit were qualified with a "J" in the laboratory report.

3.4.1 Geochemical Analytical Results

Monitoring well PZ-1R was sampled for MNA parameters in October 2021. Table 4 provides a summary of the geochemical analytical results.

Total organic carbon (TOC) concentrations in groundwater are an indicator of distribution of the organic carbon amendment introduced to the subsurface via the 2018 soil blending event and subsequent supplemental amendment injection events that were completed in August/September 2020 and July 2021. In response to the July 2021 carbon amendment injection event, concentrations of TOC in source area well PZ-1R increased from 499 mg/L in April 2021 to 959 mg/L in October 2021. This TOC concentration substantially exceeds the minimum TOC concentration of 20 mg/L which is desirable within an anaerobic treatment zone.

Ferrous iron is produced by the reduction of ferric iron and is also produced via corrosion of ZVI which was introduced during the initial remedial action in 2018 and the supplemental *in-situ* ERD injections in August/September 2020. The detected concentration of ferrous iron in the October 2021 groundwater sample from well PZ-1R was 19.0 mg/L (October 2021). This continued high ferrous iron concentration value compared with the pre-soil blending value of 0.060 mg/L in the

November 2017 groundwater sample from nearby previous monitoring well PZ-1 is indicative of iron-reducing conditions necessary for anaerobic dechlorination to occur.

Sulfate is an alternative electron acceptor for microbial respiration in the absence of oxygen. Sulfate concentrations less than 20 mg/L are desirable but not required for anaerobic dechlorination to occur. At monitoring well PZ-1R within the treatment zone, sulfate concentrations continued to be non-detect (<2.2. mg/L) in both the April 2021 and October 2021 groundwater samples, which is indicative of sulfate-reducing conditions.

Elevated methane concentrations indicate that fermentation is occurring in a highly anaerobic environment and reducing conditions are appropriate for anaerobic dechlorination of CVOCs to occur. At treatment zone monitoring well PZ-1R, methane concentrations remained at an elevated value of 1,820 micrograms per liter (µg/L) in the October 2021 groundwater sample, which is indicative of favorable reducing conditions for continued anaerobic dechlorination of CVOCs.

Concentrations of ethene and ethane can be used to infer that anaerobic dechlorination of CVOCs is occurring. The October 2021 groundwater sample from monitoring well PZ-1R within the treatment zone contained 21.9 µg/L of ethene and 2.7 J µg/L of ethane, which is indicative of complete reductive dechlorination of PCE to its terminal products.

3.4.2 VOC Analytical Results

Concentrations of VOCs were detected above laboratory detection limits in all six monitoring wells (MW-4, MW-5, MW-6, PZ-1R, PZ-2R and PZ-4) sampled in October 2021. Three of the six monitoring wells (MW-4, MW-5 and PZ-1R) had detections of tetrachloroethene (PCE) above the WAC NR 140 Enforcement Standard (ES) of 5 µg/L at concentrations ranging from 24.0 µg/L (MW-5) to 21,800 µg/L (PZ-1R). Trichloroethene (TCE) was detected above the WAC NR 140 ES of 5.0 µg/L at PZ-1R with a concentration of 10,800 µg/L, and at MW-5 with a concentration of 5.6 µg/L. Groundwater samples from PZ-1R and PZ-2R had detections of cis-1,2-dichloroethene (cis-1,2-DCE) above the WAC NR 140 ES of 70 µg/L, at concentrations of 69,500 µg/L and 104 µg/L, respectively.

Cis-1,2-DCE was detected above the Preventative Action Limit (PAL) of 7.0 µg/L but below the ES of 70 µg/L in MW-5 at a concentration of 12.3 µg/L. Four of the six monitoring wells sampled in October 2021 had detections of vinyl chloride above the WAC NR 140 ES of 0.2 µg/L at concentrations ranging from 1.1 µg/L (MW-5) to 14,200 µg/L (PZ-1R). Vinyl chloride was detected above the WAC NR 140 PAL of 0.02 µg/L but below the WAC NR 140 ES of 0.2 µg/L in MW-6 at a laboratory estimated concentration of 0.19 µg/L and qualified with a "J." No other VOCs were detected above WAC NR 140 criteria.

Concentrations of PCE in PZ-1R are consistent with continued back-diffusion of PCE from the fine-grained silty clay soils within the treatment zone in response to the groundwater remedial action. A summary of VOC analytical results is provided in Table 5. The detected CVOC analytical results from the groundwater sampling event are shown in Figure 4.

3.4.3 Waste Disposal

Purge water and decontamination fluids from the April and October 2021 groundwater sampling activities were containerized in 5-gallon closed head polyethylene containers and transported to Marquette's centralized waste storage area by Veolia North America (Veolia) on April 21, 2021 and

October 27, 2021. Veolia transported the containers off-site for disposal on June 23, 2021 and December 8, 2021, respectively. Disposal documentation is provided in Appendix B.

4. PROPOSED PFAS GROUNDWATER ASSESSMENT

In a January 2020 letter (WDNR 2020), the WDNR requested submission of a site investigation work plan assessing PFAS impacts to "all environmental media" and "evaluation of potential [PFAS] compounds that were historically or are presently produced, used, handled, or stored at the site" based on previous drycleaner operations from 1961 to 2008. Marquette responded to the WDNR's request in a March 2020 letter (Marquette, 2020) indicating that they were not aware of the use or application of PFAS during the operation of the drycleaner business. In a February 2022 WDNR response letter (WDNR, 2022a), WDNR requested one PFAS groundwater sampling event from piezometer PZ-1R based on the absence of historical use information related to the former dry-cleaning operation conducted by others at the site. In an e-mail correspondence from Ramboll[1], on behalf of Marquette, to the WDNR, Marquette agreed to sample PZ-1R for PFAS and proposed collecting and holding a PFAS sample from hydraulically upgradient monitoring well MW-2 to document potential background or upgradient PFAS concentrations in groundwater. The WDNR approved the proposed PFAS groundwater assessment activities on March 10, 2022 (WDNR, 2022b).

The following section presents a description of the incorporation of additional PFAS groundwater sampling activities into the groundwater monitoring program.

4.1 Proposed PFAS Groundwater Sampling

PFAS groundwater samples will be collected from monitoring well MW-2 and piezometer PZ-1R during the routine semi-annual sampling event scheduled in April 2022 using special precautions for PFAS sampling. Important considerations concerning collection of PFAS groundwater samples include using new, disposal, PFAS-free high-density polyethylene (HDPE) tubing and powder-free nitrile gloves. PFAS-free, non-disposable groundwater sampling equipment (e.g., water level indicator, sampling pumps, etc.) will be thoroughly decontaminated prior to the sampling event and between each sampling location using an Alconox® solution and rinsed in laboratory provided PFAS-free deionized water. Field measurements of temperature, pH, specific conductivity, DO, and ORP will be collected at each sampling location.

4.2 PFAS Laboratory Analytical Parameters

Piezometer PZ-1R will be sampled and analyzed for PFAS using modified USEPA method 537.1 for (WI 33 Compound List). Monitoring well MW-2 will be sampled and submitted to the laboratory for potential PFAS analysis; however, the sample will be extracted and held until receipt of the initial PZ-1R PFAS data. If PFAS data from PZ-1R are elevated, MW-2 may be analyzed.

The groundwater samples will be placed into laboratory-supplied containers and placed on ice for delivery under chain-of-custody procedures to a Wisconsin certified laboratory, for analysis. Additional PFAS specific QA/QC samples will be collected and submitted with the PFAS groundwater samples. One duplicate PFAS groundwater sample will be collected from PZ-1R. One field blank

[1] E-mail correspondence between Ramboll and WDNR Project Manager J. Gregory Moll on Thursday, February 24, 2022 at 9:37 AM CST.

sample and one equipment blank sample will be collected using laboratory provided PFAS-free deionized water.

4.3 PFAS Data Reporting

Pursuant to WAC NR 716.14, Ramboll will provide the PFAS sampling results to the WDNR within 10-business days of receipt of the final laboratory analytical report. In addition, the PFAS groundwater sampling activities and results will be formally documented in the routine semi-annual progress report prepared for the broader April 2022 sampling activities. At this time, applicable and promulgated WAC NR 140 criteria are not established for PFAS.

5. CONCLUSIONS AND RECOMMENDATIONS

The supplemental injection of organic carbon substrate conducted in July 2021 appears to have reinforced reducing conditions through fermentation of the applied carbon substrate. These reducing conditions are evident based on the following observations related to the October 2021 groundwater sample results from treatment zone monitoring well PZ-1R:

- Low ORP reading of -58.6 mV and low DO reading of 0.18 mg/L.
- Increased TOC concentration at PZ-1R (from 499 mg/L in April 2021 to 959 mg/L in October 2021) is indicative of carbon substrate distribution near well PZ-1R in response to the July 2021 ABC® injection event.
- The continued low sulfate, high ferrous iron and high methane concentrations at PZ-1R are consistent with continued strongly reducing conditions.
- Ethene concentrations that are an order of magnitude above background levels are indicative of complete dechlorination (AFCEE, 2004), and the October 2021 ethene value of 21.9 ug/L at PZ-1R meets that threshold when compared with the <0.52 µg/L to 0.48 µg/L range of ethene concentrations in groundwater samples from nearby previous well PZ-1 that were obtained prior to the 2018 soil blending event.

As indicated in Table 5, PCE was detected in PZ-1R at a concentration of 21,800 µg/L in October 2021. The elevated PCE concentrations detected at PZ-1R continues to demonstrate dissolution and back-diffusion of PCE from the fine-grained silty clay soils within the treatment zone in response to the groundwater remedial action. An encouraging observation is the continued presence of PCE degradation products (including end-product ethene) which confirms that reductive dechlorination is taking place and is expected to continue based on the October 2021 geochemical data. Further downgradient, PCE and TCE have not been detected in groundwater samples from well PZ-2R since August 2019, and concentrations of degradation product cis-dichloroethene (cDCE) have generally increased at that location.

Based on the high TOC concentration detected in the October 2021 groundwater sample from well PZ-1R in response to the July 2021 organic carbon amendment injection event (as well as other geochemical results), injection of additional carbon amendment is not recommended at this time. However, the need for additional injections will continue to be evaluated based on data obtained as part of the ongoing post remediation groundwater monitoring program.

The next semi-annual groundwater sampling event is scheduled to be conducted in April 2022. In response to WDNR's February 2022 request, a PFAS groundwater sample will be collected from

PZ-1R during the April 2022 event. Although not specifically requested by the WDNR, a sample will also be collected from upgradient monitoring well MW-2 for possible PFAS analysis. Initial PFAS laboratory analysis will be completed at PZ-1R and the sample at MW-2 will be held at the laboratory pending results from PZ-1R. The methodology and results of the April 2022 groundwater sampling event will be documented in the subsequent semi-annual groundwater monitoring report in summer 2022, and recommendations regarding further activities will be provided as appropriate.

6. REFERENCES

Air Force Center for Environmental Excellence (AFCEE). 2004. "Principles and Practices of Enhanced Anaerobic Bioremediation of Chlorinated Solvents." Environmental Security Technology Certification Program, Arlington, Virginia.

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WDNR. 2022a. *PFAS Groundwater Sampling.* February 11.

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TABLES

Table 1: Groundwater Elevations Summary

Former One-Hour Valet Dry Cleaners
1614 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	MW-1		MW-2		MW-3		MW-4		MW-5	
Top of Casing Elevation (TOC ft msl)[A]	647.95		655.74		649.54		652.32		653.26	
Ground Surface Elevation (ft)[A,B]	648.30		656.00		649.70		652.70		650.40	
Top of Well Screen Elevation (ft msl)[A]	640.10		645.50		639.50		644.40		641.80	
Bottom of Well Screen Elevation (ft msl)[A]	630.10		635.50		629.50		634.40		631.80	
October 2019 Top of Casing Elevation (ft amsl)	647.75		654.70		649.28		651.98		649.23	
October 2019 Ground Surface (ft amsl)	648.16		655.47		649.65		652.33		649.75	
Sample Date	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**
5/8/2002	10.50	637.45	7.20	648.54	11.38	638.16	NI	NI	NI	NI
7/11/2003	11.14	636.81	9.87	645.87	11.20	638.34	NI	NI	NI	NI
8/7/2003	11.92	636.03	10.43	645.31	12.31	637.23	13.81	638.51	16.88	636.38
10/7/2004	12.35	635.60	11.15	644.59	12.39	637.15	13.56	638.76	17.13	636.13
8/25/2009	10.80	637.15	10.85	644.89	9.62	639.92	12.02	640.30	15.72	637.54
11/2/2011	10.68	637.27	13.13	642.61	11.17	638.37	12.68	639.64	16.04	637.22
11/1/2017 & 11/9/2017*	10.52	637.43	10.74	645.00	10.22	639.32	12.81	639.51	16.11	637.15
5/2/2019	NM	NM	NM	NM	NM	NM	9.32	643.00	11.75	641.51
8/14/2019[3]	9.85	637.90	6.90	647.80	8.87	640.41	10.63	641.35	12.34	636.89
10/23/2019[3]	8.83	638.92	7.35	647.35	8.75	640.53	9.70	642.28	11.41	637.82
3/10/2020[3]	9.10	638.65	7.34	647.36	9.04	640.24	9.82	642.16	11.57	637.66
8/31/2020[3]	8.70	639.05	8.56	646.14	8.30	640.98	9.11	642.87	11.45	637.78
9/3/2020[3]	8.70	639.05	7.12	647.58	8.26	641.02	9.04	642.94	11.46	637.77
10/28/2020[3]	9.21	638.54	8.41	646.29	9.25	640.03	11.27	640.71	11.82	637.41
4/20/2021[3]	9.15	638.60	8.96	645.74	9.40	639.88	11.21	640.77	11.80	637.43
7/14/2021[3] AM	9.46	638.29	9.24	645.46	9.29	639.99	11.38	640.60	12.64	636.59
7/14/2021[3] PM	9.51	638.24	9.11	645.59	9.35	639.93	11.42	640.56	12.63	636.60
10/27/2021	10.90	636.85	9.73	644.97	10.43	638.85	13.30	638.68	13.96	635.27

Notes:

Data collected prior to 2017 presented in a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. dated February 24, 2012.

[A] Top of casing elevations, ground surface elevations, and screen intervals presented in GZA GeoEnvironmental, Inc.'s February 24, 2012 Site Investigation Report.

[B] Relative to mean sea level.

[1] PZ-1 and PZ-3 abandoned on 1/11/2018.

[2] PZ-2 abandoned and replaced on 7/19/2019

[3] Groundwater elevation calculated using October 2019 Survey data.

* Groundwater elevation measurements for MW-6, MW-7, MW-8, and MW-9 collected on November 9, 2017.

DTW = Distance to water
ASML = Above Mean Sea Level
MSL = Mean Sea Level
NI = Not installed at the time of the water level measurement
NM = Not Measured
TOC = Top of Casing
-- = Data Not Available

Table 1: Groundwater Elevations Summary

Former One-Hour Valet Dry Cleaners
1614 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	MW-6		MW-7		MW-8		MW-9		PZ-1[1]	
Top of Casing Elevation (TOC ft msl)[A]	648.11		649.74		649.80		650.27		653.10	
Ground Surface Elevation (ft)[A,B]	648.50		649.90		650.00		650.40		653.70	
Top of Well Screen Elevation (ft msl)[A]	640.30		648.20		648.40		643.50		623.80	
Bottom of Well Screen Elevation (ft msl)[A]	630.30		638.20		638.40		633.50		618.80	
October 2019 Top of Casing Elevation (ft amsl)	648.26		649.56		649.63		650.73		NM	
October 2019 Ground Surface (ft amsl)	648.51		649.75		649.77		651.39		NM	
Sample Date	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**
5/8/2002	NI	NI	NI	NI	NI	NI	NI	NI	18.20	634.90
7/11/2003	NI	NI	NI	NI	NI	NI	NI	NI	19.59	633.51
8/7/2003	NI	NI	NI	NI	NI	NI	NI	NI	20.10	633.00
10/7/2004	NI	NI	NI	NI	NI	NI	NI	NI	20.82	632.28
8/25/2009	10.85	637.26	7.16	642.58	7.18	642.62	13.05	637.22	21.52	631.58
11/2/2011	10.79	637.32	9.01	640.73	9.09	640.71	13.19	637.08	NM	NM
11/1/2017 & 11/9/2017*	10.30	637.81	8.98	640.76	9.39	640.41	13.30	636.97	22.97	630.13
5/2/2019	8.76	639.35	NM	NM	NM	NM	NM	NM	--	--
8/14/2019[3]	9.34	638.92	7.60	641.96	7.89	641.74	13.90	636.83	--	--
10/23/2019[3]	8.19	640.07	7.85	641.71	7.72	641.91	12.95	637.78	--	--
3/10/2020[3]	8.30	639.96	8.00	641.56	6.78	642.85	13.95	636.78	--	--
8/31/2020[3]	7.04	641.22	7.43	642.13	7.37	642.26	13.25	637.48	--	--
9/3/2020[3]	7.10	641.16	7.43	642.13	7.21	642.42	13.17	637.56	--	--
10/28/2020[3]	8.67	639.59	8.23	641.33	8.35	641.28	14.10	636.63	--	--
4/20/2021[3]	9.63	638.63	8.21	641.35	8.23	641.40	14.15	636.58	--	--
7/14/2021[3] AM	10.45	637.81	8.43	641.13	8.19	641.44	14.67	636.06	--	--
7/14/2021[3] PM	10.46	637.80	8.45	641.11	8.26	641.37	14.69	636.04	--	--
10/27/2021	10.90	637.36	9.53	640.03	8.70	640.93	16.92	633.81	--	--

Notes:

Data collected prior to 2017 presented in a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. dated February 24, 2012.

[A] Top of casing elevations, ground surface elevations, and screen intervals presented in GZA GeoEnvironmental, Inc.'s February 24, 2012 Site Investigation Report.

[B] Relative to mean sea level.

[1] PZ-1 and PZ-3 abandoned on 1/11/2018.

[2] PZ-2 abandoned and replaced on 7/19/2019

[3] Groundwater elevation calculated using October 2019 Survey data.

* Groundwater elevation measurements for MW-6, MW-7, MW-8, and MW-9 collected on November 9, 2017.

DTW = Distance to water
ASML = Above Mean Sea Level
MSL = Mean Sea Level
NI = Not installed at the time of the water level measurement
NM = Not Measured
TOC = Top of Casing
-- = Data Not Available

Table 1: Groundwater Elevations Summary

Former One-Hour Valet Dry Cleaners
1614 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	PZ-1R		PZ-2[2]		PZ-2R		PZ-3[1]		PZ-4	
Top of Casing Elevation (TOC ft msl)[A]	--		648.74		--		653.41		649.78	
Ground Surface Elevation (ft)[A,B]	--		649.10		--		653.70		650.30	
Top of Well Screen Elevation (ft msl)[A]	622.18		624.00		623.04		608.00		609.80	
Bottom of Well Screen Elevation (ft msl)[A]	617.18		619.00		618.04		603.00		604.80	
October 2019 Top of Casing Elevation (ft amsl)	652.18		NM		649.539		NM		649.56	
October 2019 Ground Surface (ft amsl)	652.69		NM		650.002		NM		650.20	
Sample Date	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**	**Depth to Water (ft)**	**GW Elevation (ft msl)**
5/8/2002	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
7/11/2003	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
8/7/2003	NI	NI	25.54	623.20	NI	NI	NI	NI	NI	NI
10/7/2004	NI	NI	24.93	623.81	NI	NI	33.14	620.27	NI	NI
8/25/2009	NI	NI	23.42	625.32	NI	NI	31.15	622.26	NM	NM
11/2/2011	NI	NI	23.74	625.00	NI	NI	31.45	621.96	28.40	621.38
11/1/2017 & 11/9/2017*	NI	NI	23.22	625.52	NI	NI	31.10	622.31	27.83	621.95
5/2/2019	27.41	--	--	--	NI	NI	--	--	27.48	622.30
8/14/2019[3]	29.80	622.38	--	--	25.29	624.25	--	--	27.15	622.41
10/23/2019[3]	29.01	623.17	--	--	25.00	624.54	--	--	26.90	622.66
3/10/2020[3]	29.40	622.78	--	--	25.40	624.14	--	--	27.10	622.46
8/31/2020[3]	28.96	623.22	--	--	24.90	624.64	--	--	26.74	622.82
9/3/2020[3]	28.80	623.38	--	--	24.72	624.82	--	--	26.73	622.83
10/28/2020[3]	27.55	624.63	--	--	24.94	624.60	--	--	26.85	622.71
4/20/2021[3]	29.37	622.81	--	--	25.43	624.11	--	--	27.25	622.31
7/14/2021[3] AM	28.60	623.58	--	--	25.76	623.78	--	--	27.60	621.96
7/14/2021[3] PM	28.81	623.37	--	--	25.71	623.83	--	--	27.59	621.97
10/27/2021	30.00	622.18	--	--	25.98	623.56	--	--	27.55	622.01

Notes:

Data collected prior to 2017 presented in a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. dated February 24, 2012.

[A] Top of casing elevations, ground surface elevations, and screen intervals presented in GZA GeoEnvironmental, Inc.'s February 24, 2012 Site Investigation Report.

[B] Relative to mean sea level.

[1] PZ-1 and PZ-3 abandoned on 1/11/2018.

[2] PZ-2 abandoned and replaced on 7/19/2019

[3] Groundwater elevation calculated using October 2019 Survey data.

* Groundwater elevation measurements for MW-6, MW-7, MW-8, and MW-9 collected on November 9, 2017.

DTW = Distance to water
ASML = Above Mean Sea Level
MSL = Mean Sea Level
NI = Not installed at the time of the water level measurement
NM = Not Measured
TOC = Top of Casing
-- = Data Not Available

Table 2: Vertical and Horizontal Gradients
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	Measurement Date	Top of Casing Elevation (ft-amsl)	Water Level Measurement (ft btoc)	Ground-water Elevation (ft-amsl)	Screen Length (ft)	Top of Well Screen Elevation (ft-amsl)	Bottom of Well Screen Elevation (ft-amsl)	Mid-Point of Well Screen Elevation (ft-amsl)	Vertical Gradient Calculation Value (ft-amsl)	Head Difference (ft)	Vertical Gradient (ft/ft)/Direction	
MW-5	11/1/2017	653.26	16.11	637.15	10.00	641.80	631.80	636.80	634.5	-15.20	-0.56	Downward
PZ-4	11/1/2017	649.78	27.83	621.95	5.00	609.80	604.80	607.30	607.3			
MW-5	8/14/2019	649.23	12.34	636.89	10.00	641.80	631.80	636.80	634.3	-14.48	-0.54	Downward
PZ-4	8/14/2019	649.56	27.15	622.41	5.00	609.80	604.80	607.30	607.3			
MW-5	10/23/2019	649.23	11.41	637.82	10.00	641.80	631.80	636.80	634.8	-15.16	-0.55	Downward
PZ-4	10/23/2019	649.56	26.90	622.66	5.00	609.80	604.80	607.30	607.3			
MW-5	3/10/2020	649.23	11.57	637.66	10.00	641.80	631.80	636.80	634.7	-15.20	-0.55	Downward
PZ-4	3/10/2020	649.56	27.10	622.46	5.00	609.80	604.80	607.30	607.3			
MW-5	10/28/2020	649.23	11.82	637.41	10.00	641.80	631.80	636.80	634.6	-14.70	-0.54	Downward
PZ-4	10/28/2020	649.56	26.85	622.71	5.00	609.80	604.80	607.30	607.3			
MW-5	4/21/2021	649.23	11.80	637.43	10.00	641.80	631.80	636.80	634.6	-15.12	-0.55	Downward
PZ-4	4/21/2021	649.56	27.25	622.31	5.00	609.80	604.80	607.30	607.3			
MW-5	10/27/2021	649.23	13.96	635.27	10.00	641.80	631.80	636.80	633.5	-13.26	-0.51	Downward
PZ-4	10/27/2021	649.56	27.55	622.01	5.00	609.80	604.80	607.30	607.3			

Well ID	Measurement Date	Top of Casing Elevation (ft-amsl)	Water Level Measurement (ft btoc)	Ground-water Elevation (ft-amsl)	Distance Between Monitoring Wells (ft)	Groundwater Elevation Difference (ft)	Horizontal Gradient (ft/ft)
MW-2	11/1/2017	655.74	10.74	645.00	184	7.9	0.043
MW-5	11/1/2017	653.26	16.11	637.15			
MW-2	8/14/2019	654.70	6.90	647.80	184	10.9	0.059
MW-5	8/14/2019	649.23	12.34	636.89			
MW-2	10/23/2019	654.70	7.35	647.35	184	9.5	0.052
MW-5	10/23/2019	649.23	11.41	637.82			
MW-2	3/10/2020	654.70	7.34	647.36	184	9.7	0.053
MW-5	3/10/2020	649.23	11.57	637.66			
MW-2	3/10/2020	654.70	8.41	646.29	184	8.9	0.048
MW-5	3/10/2020	649.23	11.82	637.41			
MW-2	10/28/2020	654.70	8.41	646.29	184	8.9	0.048
MW-5	10/28/2020	649.23	11.82	637.41			
MW-2	4/21/2021	654.70	8.96	645.74	184	8.3	0.045
MW-5	4/21/2021	649.23	11.80	637.43			
MW-2	10/27/2021	654.70	9.73	644.97	184	9.4	0.051
MW-5	10/27/2021	649.23	13.69	635.54			

Notes:
ft - feet
amsl - above mean sea level
btoc - below top of casing

Table 3: Groundwater Field Parameter Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Parameter		pH	Dissolved oxygen	Oxidation Reduction Potential	Turbidity	Specific Conductivity	Temperature
Units		S.U.	mg/L	mV	NTU	uS/cm	°C
Monitoring Well ID	**Sample Date**						
MW-1	1/14/2002	NR	10.39	-37	NR	NR	NR
	5/8/2002	NR	3.57	287.1	NR	NR	NR
	8/7/2003	NR	0.22	161.3	NR	NR	NR
	10/7/2003	NR	1.05	396.8	NR	NR	NR
	8/25/2009	NR	0.69	95	NR	NR	NR
	11/1/2017	7.31	1.69	57.7	2.03	16.08	17.53
MW-2	1/14/2002	NR	6.42	168	NR	NR	NR
	5/8/2002	NR	1.07	257	NR	NR	NR
	8/7/2003	NR	0.10	2.30	NR	NR	NR
	10/7/2003	NR	4.43	364	NR	NR	NR
	8/27/2009	NR	0.98	86.0	NR	NR	NR
	11/1/2017	7.70	1.71	-74.3	2.53	6,370	14.21
MW-3	8/7/2003	NR	0.15	68.0	NR	NR	NR
	10/7/2003	NR	5.74	327.8	NR	NR	NR
	8/27/2009	NR	1.01	16.0	NR	NR	NR
	11/1/2017	7.56	0.73	-125.6	2.00	16,100	14.53
MW-4	8/7/2003	NR	5.83	139	NR	NR	NR
	10/7/2003	NR	3.44	383.4	NR	NR	NR
	8/25/2009	NR	2.55	77.0	NR	NR	NR
	11/2/2017	7.80	0.88	-19.8	1.40	11,680	14.86
	5/2/2019	7.34	8.40	140.7	3.04	5,184	9.64
	8/14/2019	7.11	1.82	79.4	0.82	7,485	15.06
	3/10/2020	7.15	8.53	81.6	2.26	4,717	8.60
	10/28/2020	6.65	1.45	116	3.62	11,460	14.50
	4/21/2021	7.88	5.40	53.9	0.00	6,396	9.19
	10/27/2021	6.82	2.13	64.6	0.00	8,298	15.43
MW-5	8/7/2003	NR	0.86	190.5	NR	NR	NR
	10/7/2003	NR	1.05	396.8	NR	NR	NR
	8/27/2009	NR	0.99	98.0	NR	NR	NR
	11/2/2017	8.10	2.04	18.6	2.16	6,544	15.49
	5/2/2019	7.49	2.01	159.1	4.99	3,070	9.92
	8/14/2019	7.53	0.18	63.4	4.23	4,120	17.45
	3/10/2020	7.80	0.00	21.1	8.24	7,140	11.00
	10/28/2020	7.31	0.29	47.2	2.86	4,895	15.50
	4/21/2021	7.85	0.19	-18.0	0.00	6,948	11.40
	10/27/2021	7.40	0.52	15.4	0.00	3,886	18.70
MW-6	8/25/2009	NR	NR	-50.0	NR	NR	NR
	11/9/2017	7.39	0.62	-112.7	NR	6,787	14.81
	5/2/2019	9.31	11.4	94.8	5.91	501	7.66
	8/14/2019	6.82	0.83	3.10	15.5	7,265	17.13
	3/10/2020	7.62	0.01	-154.3	25.4	16,558	11.50
	10/28/2020	7.08	0.26	-137.5	0.78	10,037	12.60
	4/21/2021	7.36	0.41	-98.1	0.00	14,419	9.67
	10/27/2021	6.97	0.44	-50.4	3.74	13,947	15.31
MW-7	11/9/2017	7.72	7.49	-50.7	58.9	5,026	10.72
MW-8	11/9/2017	7.28	4.03	-28.7	NR	5,666	11.71
MW-9	11/9/2017	7.75	6.40	-42.6	2.00	3,573	11.78

Table 3: Groundwater Field Parameter Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Parameter		pH	Dissolved oxygen	Oxidation Reduction Potential	Turbidity	Specific Conductivity	Temperature
Units		S.U.	mg/L	mV	NTU	uS/cm	°C
Monitoring Well ID	**Sample Date**						
PZ-1	1/15/2002	NR	0.66	-65.3	NR	NR	NR
	5/8/2003	NR	1.31	-18.3	NR	NR	NR
	8/8/2003	NR	0.12	-93.7	NR	NR	NR
	10/7/2003	NR	0.09	-97.1	NR	NR	NR
	8/25/2009	NR	0.83	-73.0	NR	NR	NR
	11/25/2017	8.14	0.64	38.5	20.3	15,260	13.09
		PZ-1 abandoned on 1/11/2018. PZ-1R installed on 4/18/2019.					
PZ-1R	5/2/2019	7.05	1.01	-102.6	3.02	3,351	12.25
	8/14/2019	6.97	0.21	-138.4	11.2	4,930	14.36
	3/10/2020	7.58	0.00	-270.1	5.21	3,818	11.10
	10/28/2020	6.47	0.21	-126.9	3.48	11,394	13.80
	4/21/2021	7.35	0.19	-487.7	4.01	6,890	10.28
	10/27/2021	6.43	0.18	-58.6	4.45	7,106	15.49
PZ-2	8/8/2003	NR	0.19	-41.3	NR	NR	NR
	10/6/2003	NR	0.15	-35.1	NR	NR	NR
	8/27/2009	NR	0.78	-16.0	NR	NR	NR
	11/1/2017	7.64	2.67	-100.3	51.2	5,405	13.52
		PZ-2 abandoned on 7/19/2019. PZ-2R installed on 7/19/2019.					
PZ-2R	8/14/2019	7.15	0.13	-36.8	4.72	7,977	13.85
	3/10/2020	7.29	0.10	-68.3	8.35	7,762	10.20
	10/28/2020	6.99	0.35	-80.6	3.48	9,724	12.90
	4/21/2021	7.65	0.47	-81.7	0.00	5,292	11.08
	10/27/2021	7.19	0.38	-45.8	3.33	6,184	15.34
PZ-3	8/25/2009	NR	0.72	-53.0	NR	NR	NR
	11/2/2017	7.98	1.34	-103.8	17.8	6,042	12.18
		PZ-3 abandoned on 1/11/2018					
PZ-4	8/25/2009	NR	0.72	-55.0	NR	NR	NR
	11/2/2017	7.76	1.47	-111.8	8.75	10,580	12.94
	5/2/2019	7.02	2.99	48.2	5.56	2,193	11.39
	8/14/2019	6.95	0.24	-40.0	6.87	6,714	16.55
	3/10/2020	6.98	0.24	-61.7	9.25	5,098	11.60
	10/28/2020	8.77	7.72	12.4	4.46	366	13.40
	4/21/2021	7.44	0.54	-88.1	0.00	7,498	12.68
	10/27/2021	7.09	0.31	-36.9	1.21	7,280	15.57

Notes:
S.U. = Standard Units
mg/L = milligrams per Liter
mV = millivolts
umhos/cm = micromhos per centimeter
°C = Celsius
NR - Not Recorded

TABLE 4
MNA Parameter Groundwater Sampling Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	Sample Date	Ethane (µg/L)	Ethene (µg/L)	Iron, Dissolved (mg/L)	Iron, Ferric (mg/L)	Iron, Ferrous (mg/L)	Methane (µg/L)	Nitrogen, NO_2 plus NO_3 (mg/L)	Sulfate (mg/L)	Total Organic Carbon (mg/L)
MW-1	1/14/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/7/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/7/2003	0.028	0.049	NA	NA	NA	14	NA	NA	NA
	8/25/2009	<10	<10	NA	NA	NA	<10	NA	NA	1.26
	11/1/2017	<0.58	<0.52	0.0126 J	0.00 J	<0.017	<1.4	<0.095	<100	<0.25
MW-2	1/14/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/7/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/7/2003	0.018	0.021	NA	NA	NA	22	NA	NA	NA
	8/27/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/1/2017	<0.58	<0.52	1.77	0.54	1.2 H3	<1.4	<0.095	93.5	<0.25
MW-3	8/7/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/7/2003	0.16	0.056	NA	NA	NA	45	NA	NA	NA
	8/27/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/1/2017[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	8/7/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/7/2003	0.021	0.033	NA	NA	NA	22	NA	NA	NA
	8/25/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/2/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/2/2019	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/14/2019	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	8/7/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/7/2003	0.041	0.0097	NA	NA	NA	0.99	NA	NA	NA
	8/27/2009	<10	<10	NA	NA	NA	136	NA	NA	1.82
	11/2/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/2/2019	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/14/2019	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	8/25/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2017[1]	<0.58	<0.52	13.6	8.3	5.2 H3	<1.4	<0.095	82.4	<0.25
	5/2/2019	<0.58	<0.52	103	1,030	<0.20	<1.4	0.25 J	41.8	6.0
	8/14/2019	<0.58	<0.52	1.7	<0.20	2.1 H3	<1.4	<0.0	95.6	0.57 J
	3/10/2020	<1.2	<1.2	6.68	<0.20	7.4 H3	75.2	<0.059	87 J	1.8
	10/28/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	8/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2017[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	8/26/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2017[3]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	8/27/2009	<10	<10	NA	NA	NA	<10	NA	NA	1.27
	11/9/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 4
MNA Parameter Groundwater Sampling Results
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Well ID	Sample Date	Ethane (µg/L)	Ethene (µg/L)	Iron, Dissolved (mg/L)	Iron, Ferric (mg/L)	Iron, Ferrous (mg/L)	Methane (µg/L)	Nitrogen, NO_2 plus NO_3 (mg/L)	Sulfate (mg/L)	Total Organic Carbon (mg/L)
PZ-1	1/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/8/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/8/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/7/2003	1.7	0.48	NA	NA	NA	7	NA	NA	NA
	8/25/2009	<10	<10	NA	NA	NA	<10	NA	NA	2.04
	11/2/2017	<0.58	<0.52	2.29	2.2	0.060 H3	<1.4	0.33	155	0.50 J
PZ-1R	5/2/2019	337	32.4	5.88	<0.20	5.8 H3	23.1	<0.095	101	124 J
	8/14/2019	3,060	87.2	5.70	<0.20	6.5 H3	129	<0.095	93.1	184
	3/10/2020	2,130	974	4.60	<0.20	5.1 H3	162	<0.059	85.9	115
	10/28/2020	1,560	1,320	NA	NA	168 C4, H3	1510	NA	4.9 J, D3	2,440
	4/21/2021	1,540	1,090	NA	NA	19.7 H3	2,680	NA	<2.2	499
	10/27/2021	2.7 J	21.9	17.1	<28.1 H3	19.0 H3	1,820	NA	<2.2 D3	959
PZ-2	8/8/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/6/2003	1.3	0.79	NA	NA	NA	60	NA	NA	NA
	8/27/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/1/2017[1]	<0.58	<0.52	8.82	5.7	3.1	23.1	<0.095	178	<0.25
PZ-2R	8/14/2019	0.82 J	<0.52	3.20	<0.20	3.6 H3	22	<0.095	164	0.40 J
	3/10/2020	<1.2	<1.2	2.80	<0.20	2.9 H3, M1	10.3	<0.059	140	0.36 M0
	10/28/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ-3	8/25/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/2/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA
PZ-4	8/25/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/2/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/2/2019	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/14/2019	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/28/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/27/2021	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
J = Estimated concentration at or above the level of detection and below the level of quantification.
mg/L = milligrams per liter
mV = millivolts
NA = Data was not collected or not able to be collected.
NS = Not sampled.
ORP = Oxidation-reduction potential; measured in the field.
ug/L = micrograms per liter
All sampling resluts prior to 2017 obtained from a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. dated February 24, 2012.
(1) Well cap either missing or not plugged at time of inspection; potential for water and other constituents to have entered the well.
(2) Monitoring well purged dry after first stabilization parameter reading. Well sampled later in day without collecting new stabilization parameters.
(3) Monitoring well purged dry before water passed completely through flow-through cell. Stabilization parameters collected from flow-through cell approximately 4/5 of the way full.
(4) Monitoring well was damaged during site redevelopment activities and was not sampled.
C4 = Sample container did not meet EPA or method requirements
D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H3 = Sample was received or analysis requested beyond the recognized method holding time.
M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1 = Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Table 5: Groundwater Analytical Results - Summary of Detected Constituents

Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Analyte[1,2]		Benzene	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene[3]	Vinyl chloride	Xylenes, total[4]
CAS		71-43-2	67-66-3	75-35-4	156-59-2	156-60-5	100-41-4	75-09-2	127-18-4	108-88-3	79-01-6	95-63-6	75-01-4	1330-20-7
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NR 140 ES		5	6	7	70	100	700	5	5	800	5	480	0.2	2000
NR 140 PAL		0.5	0.6	0.7	7	20	140	0.5	0.5	160	0.5	96	0.02	400
MW-1	1/14/2002	ND	<0.23	<0.27	<0.21	<0.25	<0.22	<0.24	<0.22	<0.41	0.46 J	<0.15	**44**	#N/A
	5/8/2002	ND	<0.1	<0.11	<0.11	<0.11	<0.08	<0.24	<0.15	<0.08	<0.13	<0.11	<0.16	#N/A
	8/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.9	0.3 J	<0.25	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
	8/25/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/1/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	<0.18	<1.5
MW-2	1/14/2002	ND	<0.23	<0.21	<0.21	<0.25	<0.22	<0.22	<0.22	<0.41	<0.24	<0.26	<0.25	#N/A
	5/8/2002	ND	<0.1	<0.11	<0.11	<0.11	<0.08	<0.24	<0.15	<0.08	<0.13	<0.11	<0.16	#N/A
	8/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.32 J	<0.25	<0.25	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
	8/27/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/1/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	<0.18	<1.5
MW-3	1/15/2002	ND	<0.23	<0.27	<0.21	<0.25	<0.22	<0.22	<0.22	<0.41	<0.24	<0.26	<0.25	#N/A
	5/8/2002	ND	<0.1	<0.11	<0.11	<0.11	<0.08	<0.24	<0.15	0.32	0.34 J	<0.11	<0.16	#N/A
	8/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.88	0.42 J	<0.25	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	<0.25	<0.5
	8/27/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/1/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	<0.18	<1.5
MW-4	8/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	*0.88 J*	0.9	*0.71 J*	0.34 J	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	*0.57 J*	<0.25	<0.25	<0.25	<0.25	<0.5
	8/25/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	**7**	<0.5	<0.2	<0.2	<0.2	<0.5
	11/2/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	**7.8**	<0.50	<0.33	<0.50	<0.18	<1.5
	5/2/2019	<0.49	<2.5	<0.49	*23.0*	<2.2	<0.44	<1.2	**850**	<0.34	*5.0*	<1.7	<0.35	<3.0
	8/14/2019	<0.25	<1.3	<0.24	0.43 J	<1.1	<0.22	<0.58	**79.1**	<0.17	*0.99 J*	<0.84	<0.17	<1.5
	3/10/2020	<0.25	<1.3	<0.24	<0.27	<1.1	<0.32	<0.58	**57**	<0.27	0.47 J	<0.84	<0.17	<1.5
	10/28/2020	<0.25	<1.3	<0.24	<0.27	<0.46	<0.32	<0.58	**24.0**	<0.27	0.26 J	<0.84	<0.17	<1.5
	4/21/2021	<0.30	<1.2	<0.58	<0.47	<0.53	<0.33	<0.32	**31.8**	<0.29	<0.32	<0.45	<0.17	<1.0
	10/27/2021	<0.30	<1.2	<0.58	<0.47	<0.53	<0.33	<0.32	**26.8**	<0.29	<0.32	<0.45	<0.17	<1.0
MW-5	8/7/2003	ND	<0.25	<0.5	*11*	<0.5	<0.5	<1	**80**	0.9	**7.9**	0.34 J	<0.25	<0.5
	10/7/2003	ND	<0.25	<0.5	**150**	1.2	<0.5	<1	**93**	<0.25	**6.4**	<0.25	<0.25	<0.5
	8/27/2009	<0.2	<0.2	<0.5	**110**	1.2	<0.5	<1	**140**	<0.5	<0.2	32	**22**	<0.5
	11/2/2017	<0.50	<2.5	<0.41	**73.6**	1.5	<0.50	<0.23	**30.3**	<0.50	*3.2*	<0.50	**0.45 J**	<1.5
	5/2/2019	<0.25	<1.3	<0.24	*11.3*	<1.1	<0.22	<0.58	**20.5**	<0.17	*3.8*	<0.84	**2.1**	<1.5
	8/14/2019	<0.25	<1.3	<0.24	*31.2*	<1.1	<0.22	<0.58	**29.1**	<0.17	**5.9**	<0.84	**0.73 J**	<1.5
	3/10/2020	<0.25	<1.3	<0.24	*14.1*	<1.1	<0.32	<0.58	**23.8**	<0.27	**5.0**	<0.84	**2.2**	<1.5
	10/28/2020	<0.25	<1.3	<0.24	*11.3*	0.72 J	<0.32	<0.58	**21.7**	<0.27	**5.2**	<0.84	**1.5**	<1.5
	4/21/2021	<0.30	<1.2	<0.58	*7.6*	0.59 J	<0.33	<0.32	**20.9**	<0.29	*4.2*	<0.45	**1.5**	<1.0
	10/27/2021	<0.30	<1.2	<0.58	*12.3*	1.7	<0.33	<0.32	**24.0**	<0.29	**5.6**	<0.45	**1.1**	<1.0
MW-6	8/25/2009	<0.2	<2	<5	**980**	<5	<5	<10	<5	<5	**18**	<2	**57**	<5
	11/9/2017	<0.50	<2.5	<0.41	4.5	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	**1.0**	<1.5
	5/2/2019	<0.25	<1.3	<0.24	<0.27	<1.1	<0.22	<0.58	<0.33	<0.17	<0.26	<0.84	<0.17	<1.5
	8/14/2019	<0.25	<1.3	<0.24	*14.7 M1*	<1.1	<0.22	<0.58	*1.3*	<0.17	0.37 J	<0.84	**1.6**	<1.5
	3/10/2020	<0.25	<1.3	<0.24	**239**	6.8	<0.32	<0.58	<0.33	<0.27	**13.5**	<0.84	**11.5**	<1.5
	10/28/2020	<0.25	<1.3	<0.24	**172**	5.4	<0.32	<0.58	<0.33	<0.27	**15.6**	<0.84	**8.4**	<1.5
	4/21/2021	<0.30	<1.2	<0.58	1.9	<0.53	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**0.32 J**	<1.0
	10/27/2021	<0.30	<1.2	<0.58	1.3	<0.53	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	*0.19 J*	<1.0
MW-7	8/26/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/9/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	<0.18	<1.5
MW-8	8/26/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	<0.2	<0.5
	11/9/2017[5]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	8/27/2009	0.28	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.64	<0.2	<0.2	<0.2	<0.5
	11/9/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	0.59 J	<0.33	<0.50	<0.18	<1.5

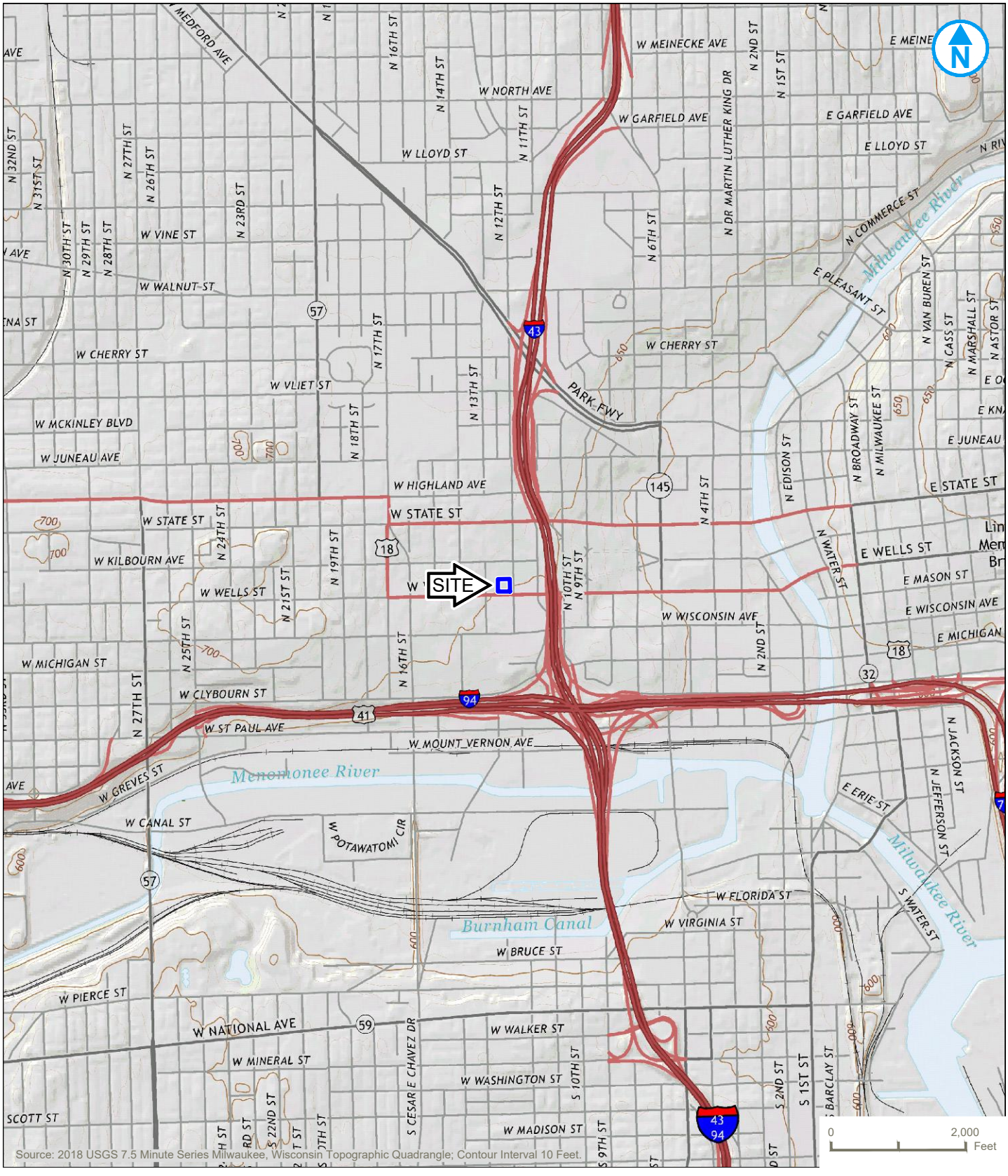
Table 5: Groundwater Analytical Results - Summary of Detected Constituents

Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

Analyte[1,2]		Benzene	Chloroform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Methylene chloride	Tetrachloroethene	Toluene	Trichloroethene	1,2,4-Trimethylbenzene[3]	Vinyl chloride	Xylenes, total[4]
CAS		71-43-2	67-66-3	75-35-4	156-59-2	156-60-5	100-41-4	75-09-2	127-18-4	108-88-3	79-01-6	95-63-6	75-01-4	1330-20-7
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
NR 140 ES		5	6	7	70	100	700	5	5	800	5	480	0.2	2000
NR 140 PAL		0.5	0.6	0.7	7	20	140	0.5	0.5	160	0.5	96	0.02	400
PZ-1	1/15/2002	ND	<1.2	<1.4	**400**	4 J	<1.1	<1.1	<1.1	<2.1	<1.2	<0.75	<1.3	#N/A
	5/8/2003	ND	<5	<5.5	**3,000**	*22*	<4	**23 J**	**8,500**	<4	**2,800**	<5.5	**22 J**	#N/A
	8/8/2003	ND	0.3 J	**8.4**	**2,600**	18.0	1.8	<1	**27,000**	4.8	**2,500**	<0.25	**11**	1.2
	10/7/2003	ND	<120	<250	**2,600**	<250	<250	<500	**36,000**	<120	**2,600**	<120	<120	<250
	8/25/2009	<32	<32	<80	**2,000**	<80	<80	<160	**61,000**	<80	**1,600**	<32	<32	<80
	11/2/2017	<125	<625	<103	**414**	<64.1	<125	<58.1	**16,200**	<125	**435**	<125	<43.9	<375
		PZ-1 abandoned on 1/11/2018. PZ-1R was installed on 4/18/2019.												
PZ-1R	5/2/2019	<123	<637	<122	**30,000**	<545	<109	<290	**60,300**	<86.1	**3,310**	<420	<87.3	<750
	8/14/2019	<123	<637	**140 J**	**108,000**	<545	<109	<290	**83,700**	<86.1	**5,450**	<420	**1,110**	<750
	3/10/2020	<123	<637	<122	**36,400**	<545	<159	<290	**23,200**	<135	**9,060**	<420	**2,630**	<750
	10/28/2020	<123	<637	<122	**6,500**	<232	<159	<290	**28,800**	<135	**2,280**	<420	**822**	<750
	4/21/2021	<148	<591	<291	**98,200**	<264	<163	<160	**64,500**	<144	**26,000**	<224	**10,800**	<524
	10/27/2021	<148	<591	<291	**69,500**	<264	<163	<160	**21,800**	<144	**10,800**	<224	**14,200**	<524
PZ-2	8/8/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.43 J	<0.25	<0.25	**5.8**	<0.5
	10/6/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	**8.9**	<0.5
	8/27/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	**14**	<0.5
	11/1/2017	<0.50	<2.5	<0.41	4.1	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	**11.0**	<1.5
	5/2/2019[6]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		PZ-2 abandoned on 7/19/2019. PZ-2R was installed on 7/19/2019.												
PZ-2R	8/14/2019	<0.25	<1.3	<0.24	*26.9*	<1.1	<0.22	<0.58	**12.7**	<0.17	0.39 J	<0.84	**15.5**	<1.5
	3/10/2020	<0.25	<1.3	<0.24	*33.9*	<1.1	<0.32	<0.58	<0.33	<0.27	<0.26	<0.84	**11.3**	<1.5
	10/28/2020	<0.25	<1.3	<0.24	**90.2**	1.1 J	<0.32	<0.58	<0.33	<0.27	<0.26	<0.84	**10.8**	<1.5
	4/21/2021	<0.30	<1.2	<0.58	**109**	1.5	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**14.1**	<1.0
	10/27/2021	<0.30	<1.2	<0.58	**104**	1.3	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**12.6**	<1.0
PZ-3	8/26/2004	ND	<2	<5	**440**	<5	<5	<10	**56**	<2	<2	<2	<2	<5
	10/7/2004	ND	<1	<2.5	**300**	<2.5	<2.5	<5	**73**	<1	<1	<1	<1	<2.5
	8/25/2009	<2	<2	<5	**1,100**	11.0	<5	<10	**5.6**	<5	**7.1**	<2	**3.9**	<5
	11/2/2017	<25.0	<125	<20.5	**2,060**	*22.4 J*	<25.0	<11.6	<25.0	<25.0	**144**	<25.0	<8.8	<75.0
		PZ-3 abandoned on 1/11/2018.												
PZ-4	8/25/2009	<0.20	<0.2	<0.5	4.4	<0.5	<0.5	<1	*0.84*	<0.5	*0.56*	<0.2	<0.2	<0.5
	11/2/2017	<0.50	<2.5	<0.41	<0.26	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	**1.3**	<1.5
	5/2/2019	<0.49	<2.5	<0.49	*20.8*	<2.2	<0.44	<1.2	**351**	<0.34	*3*	<1.7	**1 J**	<3.0
	8/14/2019	<0.25	<1.3	<0.24	<0.27	<1.1	<0.22	<0.58	**15.8**	<0.17	<0.26	<0.84	**1.8**	<1.5
	3/10/2020	<0.25	<1.3	<0.24	1.4	<1.1	<0.32	<0.58	**16**	<0.27	<0.26	<0.84	**1.7**	<1.5
	10/28/2020	<0.25	<1.3	<0.24	0.42 J	<0.46	<0.32	<0.58	**23.5**	<0.27	0.37 J	<0.84	<0.17	<1.5
	4/21/2021	<0.30	<1.2	<0.58	<0.47	<0.53	<0.33	<0.32	*0.94 J*	<0.29	<0.32	<0.45	**3.1**	<1.0
	10/27/2021	<0.30	<1.2	<0.58	<0.47	<0.53	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**3.2**	<1.0

Notes:
All results reported in micrograms per Liter (ug/L)
ES = Enforcement Standard
PAL = Preventive Action Limit
Bold value = NR 140 ES Exceedance
Italic Value = NR 140 PAL Exceedance
#N/A = Not analyzed
NS = Not sampled
J = Estimated concentration. Laboratory results reported between the limit of detection and limit of quantification.
[1] Analytical results are displayed for detected parameters only.
[2] All sampling results prior to 2017 obtained from a Site Investigation Report prepared by GZA GeoEnvironmental, Inc. on February 24, 2012.
[3] Standards are for 1,2,4- and 1,3,5-Trimethylbenzene
[4] Standards are for Total Xylenes (-m, -p, and -o).
[5] MW-8 not sampled during the November 2017 groundwater sampling event because well did not recharge sufficiently.
[6] PZ-2 was not sampled during the May 2019 groundwater sampling event because well was damaged during site redevelopment activities.
ND = Not detected at or above limit of detection.
M1 = Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
C4 = Sample container did not meet EPA or method requirements.
D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

FIGURES



Source: 2018 USGS 7.5 Minute Series Milwaukee, Wisconsin Topographic Quadrangle; Contour Interval 10 Feet.

PROJECT: 1690005819 DATED: 6/21/2021 DESIGNER: HJW L:\Loop Project Files_CAD\1690005819_Former 1hr Dry Cleaners\2021-0610_Site Location Map.dwg

KEY MAP

Map Scale: 1:24,000
Map Center: 43°2'26.2063", -87°55'39.6106"

SITE LOCATION MAP

FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN

FIGURE 1

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

HOSPITAL PARKING STRUCTURE

UNIVERSITY PARKING STRUCTURE

PUBLIC ALLEY

N 12th STREET

WELLS STREET

MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
PZ-1R
PZ-2R
PZ-4
IW-1
IW-2
IW-3
IW-4
IW-5
IW-6
IW-7
IW-8
IP-1
SG-1
GUY
EMH
GV
GSV
WSV
WV
TMH

LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- ASPHALT
- CONCRETE
- FENCE LINE
- 1-FT ELEVATION CONTOUR
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- TELEPHONE
- WATER LINE
- GAS
- CABLE TV
- FIBER OPTIC
- STORMWATER SEWER
- SANITARY SEWER
- STEAM
- CATCH BASIN
- MANHOLE
- VALVE
- TRAFFIC LIGHT
- TRANSFORMER
- METER
- LIGHT POLE
- UTILITY POLE / GUY
- TREE
- FIRE HYDRANT
- TELEPHONE PEDESTAL
- CONTROL BOX
- MONITORING WELL
- SOIL GAS SAMPLE
- INJECTION WELL (APPROXIMATE LOCATION)
- INJECTION POINT (APPROXIMATE LOCATION)

REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

0 25
SCALE IN FEET

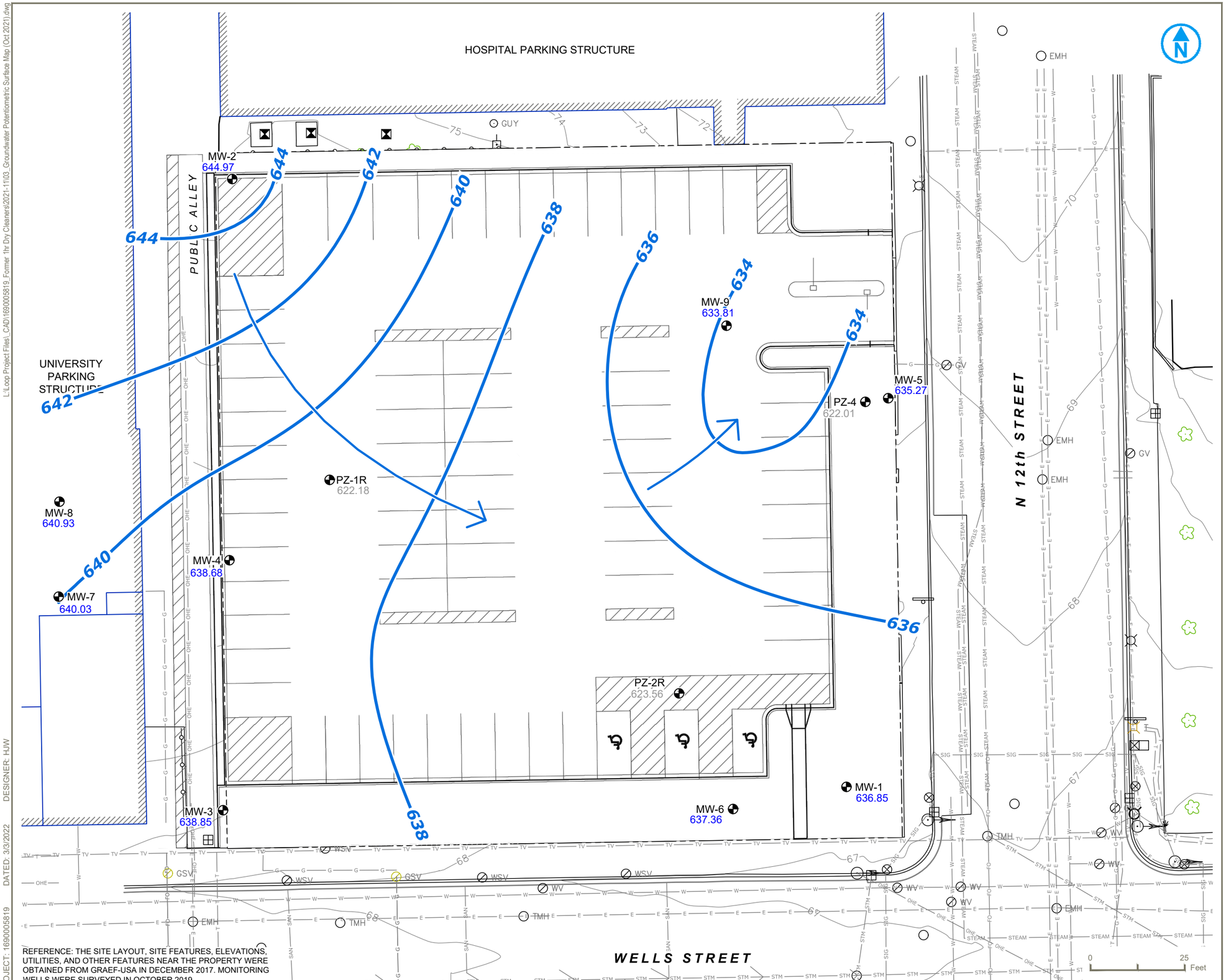
SITE LAYOUT
FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN

RAMBOLL

FIGURE 2

DRAFTED BY: HJW | DATE: 1/20/2021 | 1690005819

L:\Loop Project Files_CAD\1690005819_Former 1hr Dry Cleaners\2021-01\02_Site Layout.dwg



REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- ASPHALT
- CONCRETE
- FENCE LINE
- 75 — 1-FT ELEVATION CONTOUR
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- TELEPHONE
- WATER LINE
- GAS
- CABLE TV
- FIBER OPTIC
- STORMWATER SEWER
- SANITARY SEWER
- STEAM
- CATCH BASIN
- MANHOLE
- VALVE
- TRAFFIC LIGHT
- TRANSFORMER
- METER
- LIGHT POLE
- GUY UTILITY POLE / GUY
- TREE
- FIRE HYDRANT
- T TELEPHONE PEDESTAL
- CONTROL BOX
- MONITORING WELL
- 636.85 GROUNDWATER ELEVATION (FT)
- 638 GROUNDWATER CONTOUR (2-FT INTERVAL)
- GROUNDWATER FLOW DIRECTION

NOTE: GROUNDWATER MEASUREMENTS TAKEN AT PZ-1R, PZ-2R, AND PZ-4 WERE NOT INCLUDED IN CONTOURING CALCULATIONS.

GROUNDWATER POTENTIOMETRIC SURFACE MAP (OCTOBER 2021)

FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN

FIGURE 3

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690005819 DATED: 3/3/2022 DESIGNER: HJW
L:\Loop Project Files_CAD\1690005819_Former 1hr Dry Cleaners\2021-1103_Groundwater Potentiometric Surface Map (Oct 2021).dwg

Parameter (CVOCs)	*Abbreviations*	ES	*PAL*
cis-1,2-Dichloroethene	cis-1,2-DCE	**70**	*7*
trans-1,2-Dichloroethene	trans-1,2-DCE	**100**	*20*
Tetrachloroethene	PCE	**5**	*0.5*
Trichloroethene	TCE	**5**	*0.5*
Vinyl Chloride	VC	**0.2**	*0.02*

HOSPITAL PARKING STRUCTURE

UNIVERSITY PARKING STRUCTURE

PUBLIC ALLEY

MW-2 NS

MW-9 NS

PZ-4

MW-5

MW-8 NS

MW-4

MW-7 NS

PZ-1R

PZ-2R

MW-3 NS

MW-6

MW-1 NS

PZ-1R	
DATE:	10/27/2021
cis-1,2-DCE	**69,500**
trans-1,2-DCE	<264
PCE	**21,800**
TCE	**10,800**
VC	**14,200**

PZ-4	
DATE:	10/27/2021
cis-1,2-DCE	<0.47
trans-1,2-DCE	<0.53
PCE	<0.41
TCE	<0.32
VC	**3.2**

MW-5	
DATE:	10/27/2021
cis-1,2-DCE	*12.3*
trans-1,2-DCE	1.7
PCE	**24.0**
TCE	**5.6**
VC	**1.1**

MW-4	
DATE:	10/27/2021
cis-1,2-DCE	<0.47
trans-1,2-DCE	<0.53
PCE	**26.8**
TCE	<0.32
VC	<0.17

PZ-2R	
DATE:	10/27/2021
cis-1,2-DCE	**104**
trans-1,2-DCE	1.3
PCE	<0. 41
TCE	<0.32
VC	**12.6**

MW-6	
DATE:	10/27/2021
cis-1,2-DCE	1.3
trans-1,2-DCE	<0.53
PCE	<0.41
TCE	<0.32
VC	*0.19 J*

WELLS STREET

N

0 25 Feet

REFERENCE: THE SITE LAYOUT, SITE FEATURES, ELEVATIONS, UTILITIES, AND OTHER FEATURES NEAR THE PROPERTY WERE OBTAINED FROM GRAEF-USA IN DECEMBER 2017. MONITORING WELLS WERE SURVEYED IN OCTOBER 2019.

LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- ASPHALT
- CONCRETE
- FENCE LINE
- 1-FT ELEVATION CONTOUR
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- TELEPHONE
- WATER LINE
- GAS
- CABLE TV
- FIBER OPTIC
- STORMWATER SEWER
- SANITARY SEWER
- STEAM
- CATCH BASIN
- MANHOLE
- VALVE
- TRAFFIC LIGHT
- TRANSFORMER
- METER
- LIGHT POLE
- UTILITY POLE / GUY
- TREE
- FIRE HYDRANT
- TELEPHONE PEDESTAL
- CONTROL BOX
- MONITORING WELL

All results reported in micrograms per Liter (µg/L)
ES = Enforcement Standard
PAL = Preventive Action Limit
Bold value = NR 140 ES Exceedance
Italic Value = NR 140 PAL Exceedance
ND = No detections
NS = Not sampled
J = Estimated concentration. Laboratory results reported between the limit of detection and limit of quantification.

CVOC CONCENTRATIONS IN GROUNDWATER (OCTOBER 2021)

FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN

FIGURE 4

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

L:\Loop Project Files\...CAD\1690005819_Former 1hr Dry Cleaners\2021-06\04_CVOC Concentrations in GW (April 2021).dwg
DATED: 12/21/2021 DESIGNER: HJW/DCG
PROJECT: 1690005819

APPENDIX A

GROUNDWATER MONITORING PROGRAM LABORATORY ANALYTICAL REPORTS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 19, 2021

Susan Petrofske
Ramboll US Consulting, Inc.
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204

RE: Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on October 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven Mleczko
steve.mleczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kyle Heimstead, Ramboll US Consulting, Inc.
Michele Peters, Ramboll

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services National
12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40235956001	**PZ-2R**	Water	10/27/21 09:15	10/28/21 08:15
40235956002	**MW-6**	Water	10/27/21 09:50	10/28/21 08:15
40235956003	**MW-6DUP**	Water	10/27/21 09:50	10/28/21 08:15
40235956004	**PZ-4**	Water	10/27/21 10:30	10/28/21 08:15
40235956005	**MW-5**	Water	10/27/21 11:05	10/28/21 08:15
40235956006	**MW-4**	Water	10/27/21 11:45	10/28/21 08:15
40235956007	**PZ-1R**	Water	10/27/21 12:45	10/28/21 08:15
40235956008	**TRIP BLANK**	Water	10/27/21 00:00	10/28/21 08:15

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235956001	**PZ-2R**	EPA 8260	JAV	65	PASI-G
40235956002	**MW-6**	EPA 8260	JAV	65	PASI-G
40235956003	**MW-6DUP**	EPA 8260	JAV	65	PASI-G
40235956004	**PZ-4**	EPA 8260	JAV	65	PASI-G
40235956005	**MW-5**	EPA 8260	JAV	65	PASI-G
40235956006	**MW-4**	EPA 8260	JAV	65	PASI-G
40235956007	**PZ-1R**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6020	JPD	1	PAN
		EPA 8260	JAV	65	PASI-G
		SM 3500-Fe B	MRM	1	PAN
		Calculated	JPD	1	PAN
		EPA 300.0	HMB	1	PASI-G
		SM 5310C	TJJ	1	PASI-G
40235956008	**TRIP BLANK**	EPA 8260	JAV	65	PASI-G

PAN = Pace National - Mt. Juliet
PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235956001	**PZ-2R**					
EPA 8260	cis-1,2-Dichloroethene	104	ug/L	1.0	11/01/21 13:28	
EPA 8260	trans-1,2-Dichloroethene	1.3	ug/L	1.0	11/01/21 13:28	
EPA 8260	Vinyl chloride	12.6	ug/L	1.0	11/01/21 13:28	
40235956002	**MW-6**					
EPA 8260	cis-1,2-Dichloroethene	1.3	ug/L	1.0	11/01/21 13:48	
EPA 8260	Vinyl chloride	0.19J	ug/L	1.0	11/01/21 13:48	
40235956003	**MW-6DUP**					
EPA 8260	cis-1,2-Dichloroethene	1.3	ug/L	1.0	11/01/21 14:07	
EPA 8260	Vinyl chloride	0.21J	ug/L	1.0	11/01/21 14:07	
40235956004	**PZ-4**					
EPA 8260	Vinyl chloride	3.2	ug/L	1.0	11/01/21 14:26	
40235956005	**MW-5**					
EPA 8260	cis-1,2-Dichloroethene	12.3	ug/L	1.0	11/01/21 14:46	
EPA 8260	trans-1,2-Dichloroethene	1.7	ug/L	1.0	11/01/21 14:46	
EPA 8260	Tetrachloroethene	24.0	ug/L	1.0	11/01/21 14:46	
EPA 8260	Trichloroethene	5.6	ug/L	1.0	11/01/21 14:46	
EPA 8260	Vinyl chloride	1.1	ug/L	1.0	11/01/21 14:46	
40235956006	**MW-4**					
EPA 8260	Tetrachloroethene	26.8	ug/L	1.0	11/01/21 15:05	
40235956007	**PZ-1R**					
EPA 8015B Modified	Ethane	2.7J	ug/L	5.6	11/02/21 14:28	
EPA 8015B Modified	Ethene	21.9	ug/L	5.0	11/02/21 14:28	
EPA 8015B Modified	Methane	1820	ug/L	56.0	11/02/21 18:42	
EPA 6020	Iron	17100	ug/L	93.7	11/19/21 13:56	
EPA 8260	cis-1,2-Dichloroethene	69500	ug/L	500	11/01/21 18:53	
EPA 8260	Tetrachloroethene	21800	ug/L	500	11/01/21 18:53	
EPA 8260	Trichloroethene	10800	ug/L	500	11/01/21 18:53	
EPA 8260	Vinyl chloride	14200	ug/L	500	11/01/21 18:53	
SM 3500-Fe B	Iron, Ferrous	19000	ug/L	500	11/04/21 10:33	H3
SM 5310C	Total Organic Carbon	959	mg/L	150	11/03/21 05:36	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: PZ-2R **Lab ID: 40235956001** Collected: 10/27/21 09:15 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/01/21 13:28	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:28	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/01/21 13:28	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 13:28	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/01/21 13:28	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/01/21 13:28	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 13:28	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/01/21 13:28	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/01/21 13:28	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/01/21 13:28	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 13:28	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/01/21 13:28	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/01/21 13:28	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/01/21 13:28	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 13:28	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 13:28	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/01/21 13:28	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/01/21 13:28	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/01/21 13:28	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/01/21 13:28	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 13:28	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 13:28	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/01/21 13:28	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/01/21 13:28	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 13:28	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/01/21 13:28	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/01/21 13:28	75-35-4	
cis-1,2-Dichloroethene	**104**	ug/L	1.0	0.47	1		11/01/21 13:28	156-59-2	
trans-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.53	1		11/01/21 13:28	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/01/21 13:28	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 13:28	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/01/21 13:28	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 13:28	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:28	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/01/21 13:28	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 13:28	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 13:28	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/01/21 13:28	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/01/21 13:28	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 13:28	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/01/21 13:28	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 13:28	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/01/21 13:28	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 13:28	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:28	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: PZ-2R **Lab ID: 40235956001** Collected: 10/27/21 09:15 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:28	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/01/21 13:28	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 13:28	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/01/21 13:28	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 13:28	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/01/21 13:28	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 13:28	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/01/21 13:28	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/01/21 13:28	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 13:28	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/01/21 13:28	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/01/21 13:28	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:28	108-67-8	
Vinyl chloride	**12.6**	ug/L	1.0	0.17	1		11/01/21 13:28	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/01/21 13:28	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/01/21 13:28	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 13:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/01/21 13:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		11/01/21 13:28	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/01/21 13:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: MW-6 **Lab ID: 40235956002** Collected: 10/27/21 09:50 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/01/21 13:48	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:48	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/01/21 13:48	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 13:48	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/01/21 13:48	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/01/21 13:48	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 13:48	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/01/21 13:48	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/01/21 13:48	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/01/21 13:48	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 13:48	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/01/21 13:48	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/01/21 13:48	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/01/21 13:48	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 13:48	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 13:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/01/21 13:48	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/01/21 13:48	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/01/21 13:48	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/01/21 13:48	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 13:48	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 13:48	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/01/21 13:48	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/01/21 13:48	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 13:48	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/01/21 13:48	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/01/21 13:48	75-35-4	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.47	1		11/01/21 13:48	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/01/21 13:48	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/01/21 13:48	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 13:48	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/01/21 13:48	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 13:48	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:48	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/01/21 13:48	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 13:48	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 13:48	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/01/21 13:48	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/01/21 13:48	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 13:48	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/01/21 13:48	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 13:48	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/01/21 13:48	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 13:48	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:48	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: MW-6 **Lab ID: 40235956002** Collected: 10/27/21 09:50 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/01/21 13:48	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 13:48	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/01/21 13:48	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 13:48	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/01/21 13:48	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 13:48	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/01/21 13:48	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/01/21 13:48	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 13:48	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/01/21 13:48	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/01/21 13:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 13:48	108-67-8	
Vinyl chloride	**0.19J**	ug/L	1.0	0.17	1		11/01/21 13:48	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/01/21 13:48	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/01/21 13:48	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 13:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		11/01/21 13:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/01/21 13:48	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		11/01/21 13:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: MW-6DUP **Lab ID: 40235956003** Collected: 10/27/21 09:50 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:07	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:07	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/01/21 14:07	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:07	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/01/21 14:07	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/01/21 14:07	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 14:07	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:07	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/01/21 14:07	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/01/21 14:07	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 14:07	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/01/21 14:07	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/01/21 14:07	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/01/21 14:07	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 14:07	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 14:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/01/21 14:07	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/01/21 14:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/01/21 14:07	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/01/21 14:07	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 14:07	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:07	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/01/21 14:07	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/01/21 14:07	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:07	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/01/21 14:07	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/01/21 14:07	75-35-4	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.47	1		11/01/21 14:07	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/01/21 14:07	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/01/21 14:07	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:07	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/01/21 14:07	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 14:07	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:07	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/01/21 14:07	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:07	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 14:07	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/01/21 14:07	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:07	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:07	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/01/21 14:07	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:07	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:07	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:07	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:07	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: MW-6DUP **Lab ID: 40235956003** Collected: 10/27/21 09:50 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:07	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/01/21 14:07	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 14:07	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/01/21 14:07	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:07	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/01/21 14:07	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:07	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/01/21 14:07	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/01/21 14:07	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:07	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/01/21 14:07	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/01/21 14:07	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:07	108-67-8	
Vinyl chloride	**0.21J**	ug/L	1.0	0.17	1		11/01/21 14:07	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/01/21 14:07	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/01/21 14:07	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		11/01/21 14:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/01/21 14:07	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/01/21 14:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: PZ-4 **Lab ID: 40235956004** Collected: 10/27/21 10:30 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:26	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/01/21 14:26	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:26	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/01/21 14:26	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/01/21 14:26	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 14:26	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:26	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/01/21 14:26	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/01/21 14:26	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 14:26	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/01/21 14:26	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/01/21 14:26	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/01/21 14:26	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 14:26	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 14:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/01/21 14:26	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/01/21 14:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/01/21 14:26	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/01/21 14:26	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 14:26	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:26	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/01/21 14:26	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/01/21 14:26	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:26	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/01/21 14:26	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/01/21 14:26	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/01/21 14:26	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/01/21 14:26	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/01/21 14:26	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:26	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/01/21 14:26	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 14:26	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:26	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/01/21 14:26	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:26	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 14:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/01/21 14:26	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:26	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:26	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/01/21 14:26	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:26	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:26	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:26	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:26	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: PZ-4 **Lab ID: 40235956004** Collected: 10/27/21 10:30 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/01/21 14:26	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 14:26	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/01/21 14:26	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:26	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/01/21 14:26	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:26	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/01/21 14:26	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/01/21 14:26	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:26	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/01/21 14:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/01/21 14:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:26	108-67-8	
Vinyl chloride	**3.2**	ug/L	1.0	0.17	1		11/01/21 14:26	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/01/21 14:26	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/01/21 14:26	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		11/01/21 14:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/01/21 14:26	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/01/21 14:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: MW-5 **Lab ID: 40235956005** Collected: 10/27/21 11:05 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:46	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:46	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/01/21 14:46	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:46	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/01/21 14:46	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/01/21 14:46	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 14:46	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:46	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/01/21 14:46	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/01/21 14:46	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 14:46	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/01/21 14:46	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/01/21 14:46	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/01/21 14:46	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 14:46	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 14:46	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/01/21 14:46	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/01/21 14:46	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/01/21 14:46	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/01/21 14:46	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 14:46	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:46	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/01/21 14:46	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/01/21 14:46	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:46	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/01/21 14:46	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/01/21 14:46	75-35-4	
cis-1,2-Dichloroethene	**12.3**	ug/L	1.0	0.47	1		11/01/21 14:46	156-59-2	
trans-1,2-Dichloroethene	**1.7**	ug/L	1.0	0.53	1		11/01/21 14:46	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/01/21 14:46	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:46	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/01/21 14:46	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 14:46	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:46	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/01/21 14:46	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:46	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 14:46	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/01/21 14:46	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:46	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:46	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/01/21 14:46	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:46	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/01/21 14:46	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:46	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:46	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: MW-5 **Lab ID: 40235956005** Collected: 10/27/21 11:05 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:46	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/01/21 14:46	79-34-5	
Tetrachloroethene	**24.0**	ug/L	1.0	0.41	1		11/01/21 14:46	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/01/21 14:46	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 14:46	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/01/21 14:46	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 14:46	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/01/21 14:46	79-00-5	
Trichloroethene	**5.6**	ug/L	1.0	0.32	1		11/01/21 14:46	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 14:46	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/01/21 14:46	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/01/21 14:46	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 14:46	108-67-8	
Vinyl chloride	**1.1**	ug/L	1.0	0.17	1		11/01/21 14:46	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/01/21 14:46	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/01/21 14:46	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 14:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/01/21 14:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		11/01/21 14:46	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/01/21 14:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: MW-4 **Lab ID: 40235956006** Collected: 10/27/21 11:45 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/01/21 15:05	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 15:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/01/21 15:05	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 15:05	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/01/21 15:05	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/01/21 15:05	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 15:05	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/01/21 15:05	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/01/21 15:05	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/01/21 15:05	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 15:05	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/01/21 15:05	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/01/21 15:05	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/01/21 15:05	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 15:05	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 15:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/01/21 15:05	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/01/21 15:05	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/01/21 15:05	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/01/21 15:05	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 15:05	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 15:05	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/01/21 15:05	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/01/21 15:05	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 15:05	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/01/21 15:05	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/01/21 15:05	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/01/21 15:05	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/01/21 15:05	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/01/21 15:05	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 15:05	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/01/21 15:05	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 15:05	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 15:05	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/01/21 15:05	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 15:05	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 15:05	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/01/21 15:05	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/01/21 15:05	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 15:05	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/01/21 15:05	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 15:05	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/01/21 15:05	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 15:05	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 15:05	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: MW-4 **Lab ID: 40235956006** Collected: 10/27/21 11:45 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/01/21 15:05	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/01/21 15:05	79-34-5	
Tetrachloroethene	**26.8**	ug/L	1.0	0.41	1		11/01/21 15:05	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/01/21 15:05	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 15:05	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/01/21 15:05	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 15:05	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/01/21 15:05	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/01/21 15:05	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 15:05	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/01/21 15:05	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/01/21 15:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 15:05	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/01/21 15:05	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/01/21 15:05	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/01/21 15:05	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 15:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/01/21 15:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/01/21 15:05	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		11/01/21 15:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: PZ-1R **Lab ID: 40235956007** Collected: 10/27/21 12:45 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**2.7J**	ug/L	5.6	0.39	1		11/02/21 14:28	74-84-0	
Ethene	**21.9**	ug/L	5.0	0.25	1		11/02/21 14:28	74-85-1	
Methane	**1820**	ug/L	56.0	11.5	20		11/02/21 18:42	74-82-8	
Metals (ICPMS) 6020	Analytical Method: EPA 6020 Preparation Method: 3015 Pace National - Mt. Juliet								
Iron	**17100**	ug/L	93.7	28.1	1	11/18/21 11:50	11/19/21 13:56	7439-89-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<148**	ug/L	500	148	500		11/01/21 18:53	71-43-2	
Bromobenzene	**<180**	ug/L	500	180	500		11/01/21 18:53	108-86-1	
Bromochloromethane	**<179**	ug/L	2500	179	500		11/01/21 18:53	74-97-5	
Bromodichloromethane	**<208**	ug/L	500	208	500		11/01/21 18:53	75-27-4	
Bromoform	**<1900**	ug/L	2500	1900	500		11/01/21 18:53	75-25-2	
Bromomethane	**<596**	ug/L	2500	596	500		11/01/21 18:53	74-83-9	
n-Butylbenzene	**<429**	ug/L	500	429	500		11/01/21 18:53	104-51-8	
sec-Butylbenzene	**<212**	ug/L	500	212	500		11/01/21 18:53	135-98-8	
tert-Butylbenzene	**<293**	ug/L	500	293	500		11/01/21 18:53	98-06-6	
Carbon tetrachloride	**<185**	ug/L	500	185	500		11/01/21 18:53	56-23-5	
Chlorobenzene	**<428**	ug/L	500	428	500		11/01/21 18:53	108-90-7	
Chloroethane	**<690**	ug/L	2500	690	500		11/01/21 18:53	75-00-3	
Chloroform	**<591**	ug/L	2500	591	500		11/01/21 18:53	67-66-3	
Chloromethane	**<818**	ug/L	2500	818	500		11/01/21 18:53	74-87-3	
2-Chlorotoluene	**<445**	ug/L	2500	445	500		11/01/21 18:53	95-49-8	
4-Chlorotoluene	**<447**	ug/L	2500	447	500		11/01/21 18:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<1180**	ug/L	2500	1180	500		11/01/21 18:53	96-12-8	
Dibromochloromethane	**<1320**	ug/L	2500	1320	500		11/01/21 18:53	124-48-1	
1,2-Dibromoethane (EDB)	**<155**	ug/L	500	155	500		11/01/21 18:53	106-93-4	
Dibromomethane	**<495**	ug/L	2500	495	500		11/01/21 18:53	74-95-3	
1,2-Dichlorobenzene	**<163**	ug/L	500	163	500		11/01/21 18:53	95-50-1	
1,3-Dichlorobenzene	**<176**	ug/L	500	176	500		11/01/21 18:53	541-73-1	
1,4-Dichlorobenzene	**<446**	ug/L	500	446	500		11/01/21 18:53	106-46-7	
Dichlorodifluoromethane	**<228**	ug/L	2500	228	500		11/01/21 18:53	75-71-8	
1,1-Dichloroethane	**<148**	ug/L	500	148	500		11/01/21 18:53	75-34-3	
1,2-Dichloroethane	**<146**	ug/L	500	146	500		11/01/21 18:53	107-06-2	
1,1-Dichloroethene	**<291**	ug/L	500	291	500		11/01/21 18:53	75-35-4	
cis-1,2-Dichloroethene	**69500**	ug/L	500	236	500		11/01/21 18:53	156-59-2	
trans-1,2-Dichloroethene	**<264**	ug/L	500	264	500		11/01/21 18:53	156-60-5	
1,2-Dichloropropane	**<224**	ug/L	500	224	500		11/01/21 18:53	78-87-5	
1,3-Dichloropropane	**<152**	ug/L	500	152	500		11/01/21 18:53	142-28-9	
2,2-Dichloropropane	**<2090**	ug/L	2500	2090	500		11/01/21 18:53	594-20-7	
1,1-Dichloropropene	**<205**	ug/L	500	205	500		11/01/21 18:53	563-58-6	
cis-1,3-Dichloropropene	**<179**	ug/L	500	179	500		11/01/21 18:53	10061-01-5	
trans-1,3-Dichloropropene	**<1730**	ug/L	2500	1730	500		11/01/21 18:53	10061-02-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: PZ-1R **Lab ID: 40235956007** Collected: 10/27/21 12:45 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Diisopropyl ether	**<550**	ug/L	2500	550	500		11/01/21 18:53	108-20-3	
Ethylbenzene	**<163**	ug/L	500	163	500		11/01/21 18:53	100-41-4	
Hexachloro-1,3-butadiene	**<1370**	ug/L	2500	1370	500		11/01/21 18:53	87-68-3	
Isopropylbenzene (Cumene)	**<500**	ug/L	2500	500	500		11/01/21 18:53	98-82-8	
p-Isopropyltoluene	**<522**	ug/L	2500	522	500		11/01/21 18:53	99-87-6	
Methylene Chloride	**<160**	ug/L	2500	160	500		11/01/21 18:53	75-09-2	
Methyl-tert-butyl ether	**<565**	ug/L	2500	565	500		11/01/21 18:53	1634-04-4	
Naphthalene	**<565**	ug/L	2500	565	500		11/01/21 18:53	91-20-3	
n-Propylbenzene	**<173**	ug/L	500	173	500		11/01/21 18:53	103-65-1	
Styrene	**<178**	ug/L	500	178	500		11/01/21 18:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<178**	ug/L	500	178	500		11/01/21 18:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<189**	ug/L	500	189	500		11/01/21 18:53	79-34-5	
Tetrachloroethene	**21800**	ug/L	500	204	500		11/01/21 18:53	127-18-4	
Toluene	**<144**	ug/L	500	144	500		11/01/21 18:53	108-88-3	
1,2,3-Trichlorobenzene	**<509**	ug/L	2500	509	500		11/01/21 18:53	87-61-6	
1,2,4-Trichlorobenzene	**<475**	ug/L	2500	475	500		11/01/21 18:53	120-82-1	
1,1,1-Trichloroethane	**<151**	ug/L	500	151	500		11/01/21 18:53	71-55-6	
1,1,2-Trichloroethane	**<172**	ug/L	2500	172	500		11/01/21 18:53	79-00-5	
Trichloroethene	**10800**	ug/L	500	160	500		11/01/21 18:53	79-01-6	
Trichlorofluoromethane	**<209**	ug/L	500	209	500		11/01/21 18:53	75-69-4	
1,2,3-Trichloropropane	**<278**	ug/L	2500	278	500		11/01/21 18:53	96-18-4	
1,2,4-Trimethylbenzene	**<224**	ug/L	500	224	500		11/01/21 18:53	95-63-6	
1,3,5-Trimethylbenzene	**<179**	ug/L	500	179	500		11/01/21 18:53	108-67-8	
Vinyl chloride	**14200**	ug/L	500	87.2	500		11/01/21 18:53	75-01-4	
Xylene (Total)	**<524**	ug/L	1500	524	500		11/01/21 18:53	1330-20-7	
m&p-Xylene	**<350**	ug/L	1000	350	500		11/01/21 18:53	179601-23-1	
o-Xylene	**<174**	ug/L	500	174	500		11/01/21 18:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		500		11/01/21 18:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		500		11/01/21 18:53	2199-69-1	
Toluene-d8 (S)	102	%	70-130		500		11/01/21 18:53	2037-26-5	
Wet Chemistry 3500Fe B-2011	Analytical Method: SM 3500-Fe B Preparation Method: 3500Fe B-2011 Pace National - Mt. Juliet								
Iron, Ferrous	**19000**	ug/L	500	150	10	11/04/21 10:33	11/04/21 10:33		H3
Calculated Results	Analytical Method: Calculated Preparation Method: Calc. Pace National - Mt. Juliet								
Iron, Ferric	**<28.1**	ug/L	93.7	28.1	1	11/19/21 13:56	11/19/21 13:56	7439-89-6	H3
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**<2.2**	mg/L	10.0	2.2	5		11/04/21 00:47	14808-79-8	D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: PZ-1R **Lab ID: 40235956007** Collected: 10/27/21 12:45 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**959**	mg/L	150	41.5	300		11/03/21 05:36	7440-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: TRIP BLANK **Lab ID: 40235956008** Collected: 10/27/21 00:00 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/01/21 10:54	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 10:54	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		11/01/21 10:54	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 10:54	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/01/21 10:54	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/01/21 10:54	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 10:54	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		11/01/21 10:54	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		11/01/21 10:54	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/01/21 10:54	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/01/21 10:54	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/01/21 10:54	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/01/21 10:54	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/01/21 10:54	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 10:54	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		11/01/21 10:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/01/21 10:54	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/01/21 10:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/01/21 10:54	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/01/21 10:54	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 10:54	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 10:54	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/01/21 10:54	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/01/21 10:54	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 10:54	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/01/21 10:54	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/01/21 10:54	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/01/21 10:54	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/01/21 10:54	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/01/21 10:54	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 10:54	142-28-9	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		11/01/21 10:54	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 10:54	563-58-6	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 10:54	10061-01-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/01/21 10:54	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 10:54	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/01/21 10:54	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		11/01/21 10:54	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		11/01/21 10:54	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 10:54	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/01/21 10:54	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/01/21 10:54	1634-04-4	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/01/21 10:54	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 10:54	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 10:54	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Sample: TRIP BLANK **Lab ID: 40235956008** Collected: 10/27/21 00:00 Received: 10/28/21 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		11/01/21 10:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		11/01/21 10:54	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/01/21 10:54	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/01/21 10:54	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		11/01/21 10:54	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		11/01/21 10:54	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/01/21 10:54	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/01/21 10:54	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/01/21 10:54	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/01/21 10:54	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		11/01/21 10:54	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		11/01/21 10:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		11/01/21 10:54	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/01/21 10:54	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/01/21 10:54	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		11/01/21 10:54	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		11/01/21 10:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		11/01/21 10:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/01/21 10:54	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/01/21 10:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

QC Batch: 400349
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235956007

METHOD BLANK: 2311980 Matrix: Water
Associated Lab Samples: 40235956007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	11/02/21 10:35	
Ethene	ug/L	<0.25	5.0	11/02/21 10:35	
Methane	ug/L	<0.58	2.8	11/02/21 10:35	

LABORATORY CONTROL SAMPLE & LCSD: 2311981 2311982

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	56.4	57.7	105	108	80-120	2	20	
Ethene	ug/L	50	53.5	54.4	107	109	80-120	2	20	
Methane	ug/L	28.6	33.0	34.0	115	119	80-121	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311983 2311984

Parameter	Units	40235597009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<3.9	536	536	502	546	94	102	80-122	9	20	
Ethene	ug/L	<2.5	500	500	472	513	94	103	80-122	8	20	
Methane	ug/L	1800	286	286	2990	2820	416	357	10-200	6	20	E,M1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

QC Batch: 1776517
QC Batch Method: 3015
Analysis Method: EPA 6020
Analysis Description: Metals (ICPMS) 6020
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 40235956007

METHOD BLANK: R3731692-1 Matrix: Water
Associated Lab Samples: 40235956007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<28.1	93.7	11/19/21 12:33	

LABORATORY CONTROL SAMPLE: R3731692-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5000	4790	95.8	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3731692-4 R3731692-5

Parameter	Units	L1424185-11 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	ND	5000	5000	4730	4690	94.5	93.7	75.0-125	0.852	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

QC Batch: 400082
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235956001, 40235956002, 40235956003, 40235956004, 40235956005, 40235956006, 40235956007, 40235956008

METHOD BLANK: 2310219
Matrix: Water
Associated Lab Samples: 40235956001, 40235956002, 40235956003, 40235956004, 40235956005, 40235956006, 40235956007, 40235956008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	11/01/21 09:18	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	11/01/21 09:18	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	11/01/21 09:18	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	11/01/21 09:18	
1,1-Dichloroethane	ug/L	<0.30	1.0	11/01/21 09:18	
1,1-Dichloroethene	ug/L	<0.58	1.0	11/01/21 09:18	
1,1-Dichloropropene	ug/L	<0.41	1.0	11/01/21 09:18	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	11/01/21 09:18	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	11/01/21 09:18	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/01/21 09:18	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	11/01/21 09:18	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	11/01/21 09:18	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	11/01/21 09:18	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	11/01/21 09:18	
1,2-Dichloroethane	ug/L	<0.29	1.0	11/01/21 09:18	
1,2-Dichloropropane	ug/L	<0.45	1.0	11/01/21 09:18	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	11/01/21 09:18	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	11/01/21 09:18	
1,3-Dichloropropane	ug/L	<0.30	1.0	11/01/21 09:18	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	11/01/21 09:18	
2,2-Dichloropropane	ug/L	<4.2	5.0	11/01/21 09:18	
2-Chlorotoluene	ug/L	<0.89	5.0	11/01/21 09:18	
4-Chlorotoluene	ug/L	<0.89	5.0	11/01/21 09:18	
Benzene	ug/L	<0.30	1.0	11/01/21 09:18	
Bromobenzene	ug/L	<0.36	1.0	11/01/21 09:18	
Bromochloromethane	ug/L	<0.36	5.0	11/01/21 09:18	
Bromodichloromethane	ug/L	<0.42	1.0	11/01/21 09:18	
Bromoform	ug/L	<3.8	5.0	11/01/21 09:18	
Bromomethane	ug/L	<1.2	5.0	11/01/21 09:18	
Carbon tetrachloride	ug/L	<0.37	1.0	11/01/21 09:18	
Chlorobenzene	ug/L	<0.86	1.0	11/01/21 09:18	
Chloroethane	ug/L	<1.4	5.0	11/01/21 09:18	
Chloroform	ug/L	<1.2	5.0	11/01/21 09:18	
Chloromethane	ug/L	<1.6	5.0	11/01/21 09:18	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	11/01/21 09:18	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	11/01/21 09:18	
Dibromochloromethane	ug/L	<2.6	5.0	11/01/21 09:18	
Dibromomethane	ug/L	<0.99	5.0	11/01/21 09:18	
Dichlorodifluoromethane	ug/L	<0.46	5.0	11/01/21 09:18	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

METHOD BLANK: 2310219 Matrix: Water

Associated Lab Samples: 40235956001, 40235956002, 40235956003, 40235956004, 40235956005, 40235956006, 40235956007, 40235956008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	11/01/21 09:18	
Ethylbenzene	ug/L	<0.33	1.0	11/01/21 09:18	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	11/01/21 09:18	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	11/01/21 09:18	
m&p-Xylene	ug/L	<0.70	2.0	11/01/21 09:18	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	11/01/21 09:18	
Methylene Chloride	ug/L	<0.32	5.0	11/01/21 09:18	
n-Butylbenzene	ug/L	<0.86	1.0	11/01/21 09:18	
n-Propylbenzene	ug/L	<0.35	1.0	11/01/21 09:18	
Naphthalene	ug/L	<1.1	5.0	11/01/21 09:18	
o-Xylene	ug/L	<0.35	1.0	11/01/21 09:18	
p-Isopropyltoluene	ug/L	<1.0	5.0	11/01/21 09:18	
sec-Butylbenzene	ug/L	<0.42	1.0	11/01/21 09:18	
Styrene	ug/L	<0.36	1.0	11/01/21 09:18	
tert-Butylbenzene	ug/L	<0.59	1.0	11/01/21 09:18	
Tetrachloroethene	ug/L	<0.41	1.0	11/01/21 09:18	
Toluene	ug/L	<0.29	1.0	11/01/21 09:18	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	11/01/21 09:18	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	11/01/21 09:18	
Trichloroethene	ug/L	<0.32	1.0	11/01/21 09:18	
Trichlorofluoromethane	ug/L	<0.42	1.0	11/01/21 09:18	
Vinyl chloride	ug/L	<0.17	1.0	11/01/21 09:18	
Xylene (Total)	ug/L	<1.0	3.0	11/01/21 09:18	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	11/01/21 09:18	
4-Bromofluorobenzene (S)	%	87	70-130	11/01/21 09:18	
Toluene-d8 (S)	%	102	70-130	11/01/21 09:18	

LABORATORY CONTROL SAMPLE: 2310220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.2	116	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.1	102	66-130	
1,1,2-Trichloroethane	ug/L	50	56.6	113	70-130	
1,1-Dichloroethane	ug/L	50	52.4	105	68-132	
1,1-Dichloroethene	ug/L	50	54.7	109	85-126	
1,2,4-Trichlorobenzene	ug/L	50	53.8	108	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.8	88	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	56.6	113	70-130	
1,2-Dichlorobenzene	ug/L	50	57.4	115	70-130	
1,2-Dichloroethane	ug/L	50	46.4	93	70-130	
1,2-Dichloropropane	ug/L	50	51.3	103	78-125	
1,3-Dichlorobenzene	ug/L	50	57.0	114	70-130	
1,4-Dichlorobenzene	ug/L	50	58.5	117	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

LABORATORY CONTROL SAMPLE: 2310220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	55.3	111	70-132	
Bromodichloromethane	ug/L	50	54.8	110	70-130	
Bromoform	ug/L	50	51.9	104	65-130	
Bromomethane	ug/L	50	35.0	70	44-128	
Carbon tetrachloride	ug/L	50	55.9	112	70-130	
Chlorobenzene	ug/L	50	59.2	118	70-130	
Chloroethane	ug/L	50	53.0	106	73-137	
Chloroform	ug/L	50	56.6	113	80-122	
Chloromethane	ug/L	50	31.6	63	27-148	
cis-1,2-Dichloroethene	ug/L	50	55.1	110	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.2	98	70-130	
Dibromochloromethane	ug/L	50	56.2	112	70-130	
Dichlorodifluoromethane	ug/L	50	28.9	58	22-151	
Ethylbenzene	ug/L	50	59.4	119	80-123	
Isopropylbenzene (Cumene)	ug/L	50	63.4	127	70-130	
m&p-Xylene	ug/L	100	119	119	70-130	
Methyl-tert-butyl ether	ug/L	50	48.6	97	66-130	
Methylene Chloride	ug/L	50	53.7	107	70-130	
o-Xylene	ug/L	50	60.6	121	70-130	
Styrene	ug/L	50	62.1	124	70-130	
Tetrachloroethene	ug/L	50	63.5	127	70-130	
Toluene	ug/L	50	57.5	115	80-121	
trans-1,2-Dichloroethene	ug/L	50	55.6	111	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.8	100	58-125	
Trichloroethene	ug/L	50	55.8	112	70-130	
Trichlorofluoromethane	ug/L	50	49.5	99	84-148	
Vinyl chloride	ug/L	50	43.7	87	63-142	
Xylene (Total)	ug/L	150	180	120	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			89	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311560 2311561

Parameter	Units	40235988002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	57.1	57.7	114	115	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.9	52.7	102	105	66-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	56.2	58.7	112	117	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	51.4	53.3	103	107	68-132	4	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	54.9	54.7	110	109	76-132	0	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	56.3	57.8	113	116	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	43.8	45.3	88	91	51-126	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	56.8	58.2	114	116	70-130	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311560 2311561

Parameter	Units	40235988002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/L	<0.33	50	50	56.2	58.7	112	117	70-130	4	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	51.1	48.4	102	97	70-130	6	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	49.9	53.2	100	106	77-125	6	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	53.6	58.6	107	117	70-130	9	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	56.9	58.6	114	117	70-130	3	20	
Benzene	ug/L	<0.30	50	50	55.0	56.6	110	113	70-132	3	20	
Bromodichloromethane	ug/L	<0.42	50	50	55.1	57.5	110	115	70-130	4	20	
Bromoform	ug/L	<3.8	50	50	52.5	53.3	105	107	65-130	2	20	
Bromomethane	ug/L	<1.2	50	50	43.4	48.7	87	97	44-128	12	21	
Carbon tetrachloride	ug/L	<0.37	50	50	58.5	58.4	117	117	70-132	0	20	
Chlorobenzene	ug/L	<0.86	50	50	59.6	60.2	119	120	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	52.3	52.7	105	105	70-137	1	20	
Chloroform	ug/L	<1.2	50	50	56.2	58.3	112	117	80-122	4	20	
Chloromethane	ug/L	<1.6	50	50	31.0	31.6	62	63	17-149	2	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	54.9	57.2	110	114	70-130	4	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	50.1	52.3	100	105	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	56.6	59.0	113	118	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	28.2	28.2	56	56	22-158	0	20	
Ethylbenzene	ug/L	<0.33	50	50	58.4	59.1	117	118	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	63.0	63.2	126	126	70-130	0	20	
m&p-Xylene	ug/L	<0.70	100	100	120	121	120	121	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.9	52.2	100	104	66-130	5	20	
Methylene Chloride	ug/L	<0.32	50	50	52.7	55.6	105	111	70-130	5	20	
o-Xylene	ug/L	<0.35	50	50	60.0	61.4	120	123	70-130	2	20	
Styrene	ug/L	<0.36	50	50	61.2	63.5	122	127	70-130	4	20	
Tetrachloroethene	ug/L	<0.41	50	50	62.5	63.0	125	126	70-130	1	20	
Toluene	ug/L	<0.29	50	50	58.1	58.1	116	116	80-121	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	54.4	56.8	109	114	70-134	4	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	49.1	50.8	98	102	58-130	3	20	
Trichloroethene	ug/L	<0.32	50	50	55.6	56.9	111	114	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	48.3	48.9	97	98	82-151	1	20	
Vinyl chloride	ug/L	<0.17	50	50	43.0	42.6	86	85	61-143	1	20	
Xylene (Total)	ug/L	<1.0	150	150	180	182	120	121	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						97	98	70-130			
4-Bromofluorobenzene (S)	%						89	88	70-130			
Toluene-d8 (S)	%						102	100	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

QC Batch: 1768678
QC Batch Method: 3500Fe B-2011
Analysis Method: SM 3500-Fe B
Analysis Description: Wet Chemistry 3500Fe B-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 40235956007

METHOD BLANK: R3725426-1 Matrix: Water
Associated Lab Samples: 40235956007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	ug/L	<15.0	50.0	11/04/21 10:31	

LABORATORY CONTROL SAMPLE: R3725426-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	ug/L	1000	932	93.2	85.0-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3725426-4 R3725426-5

Parameter	Units	L1425923-07 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	ug/L	53.0	1000	1000	945	954	89.2	90.1	80.0-120	0.948	20	

SAMPLE DUPLICATE: R3725426-3

Parameter	Units	L1425923-06 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	ug/L	20.0	19.0J	5.13	20	J

SAMPLE DUPLICATE: R3725426-6

Parameter	Units	L1425996-07 Result	Dup Result	RPD	Max RPD	Qualifiers
Iron, Ferrous	ug/L	ND	<15.0	0.00	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

QC Batch: 400476
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235956007

METHOD BLANK: 2312757 Matrix: Water
Associated Lab Samples: 40235956007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	11/03/21 18:05	

LABORATORY CONTROL SAMPLE: 2312758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.3	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2312759 2312760

Parameter	Units	40235597010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	19.4	100	100	120	116	101	97	90-110	3	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2312761 2312762

Parameter	Units	40235667006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	63.9	100	100	164	173	101	109	90-110	5	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

QC Batch: 400132
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40235956007

METHOD BLANK: 2311281 Matrix: Water
Associated Lab Samples: 40235956007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	11/02/21 07:04	

LABORATORY CONTROL SAMPLE: 2311282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	13.7	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311283 2311284

Parameter	Units	40235746008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	8.7	60	60	71.5	71.1	105	104	80-120	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311285 2311286

Parameter	Units	40235749001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	4.2	6	6	10.7	10.8	108	110	80-120	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819 FORMER ONE-HOUR VAL
Pace Project No.: 40235956

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235956007	**PZ-1R**	EPA 8015B Modified	400349		
40235956007	**PZ-1R**	3015	1776517	EPA 6020	1776517
40235956001	**PZ-2R**	EPA 8260	400082		
40235956002	**MW-6**	EPA 8260	400082		
40235956003	**MW-6DUP**	EPA 8260	400082		
40235956004	**PZ-4**	EPA 8260	400082		
40235956005	**MW-5**	EPA 8260	400082		
40235956006	**MW-4**	EPA 8260	400082		
40235956007	**PZ-1R**	EPA 8260	400082		
40235956008	**TRIP BLANK**	EPA 8260	400082		
40235956007	**PZ-1R**	3500Fe B-2011	1768678	SM 3500-Fe B	1768678
40235956007	**PZ-1R**	Calc.	1776517	Calculated	1776517
40235956007	**PZ-1R**	EPA 300.0	400476		
40235956007	**PZ-1R**	SM 5310C	400132		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

4023595C

(Please Print Clearly)	
Company Name:	RAMBOLL
Branch/Location:	MILWAUKEE, WI
Project Contact:	SUSAN PETROFSKE
Phone:	262 901 3501
Project Number:	1690005819
Project Name:	FORMER ONE-HOUR VALET
Project State:	WISCONSIN
Sampled By (Print):	DUNCAN GLASFORD
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	SUSAN PETROFSKE
Invoice To Company:	RAMBOLL
Invoice To Address:	234 W. FLORIDA ST MILWAUKEE, WI 53204
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO)	Y/N	PRESERVATION (CODE)* Pick Letter	VOC 8260	MEE	FERROUS Fe 3500	TDC 5310	SULFATE	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	PZ-2R	10-27-21	915	GW		N	B	X							
002	MW-6		950			N	B	X							
003	MW-6DUP		950			N	B	X							
004	PZ-4		1030			N	B	X							
005	MW-5		1105			N	B	X							
006	MW-4		1145			N	B	X							
007	PZ-1R		1245			N	B	X	X	X	X	X			
008	TRIP BLANK	—	—	—		N	B	X							

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	10-27-21 1400	CS LOGISTICS	10-27-21 1400
CS Logistics	10/28/21 0815		10/28/21 0815

PACE Project No. 4023595C

Receipt Temp = 1 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present

Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Rambo11 Project # 40235956

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☐N/A

Lab Lot# of pH paper: 100104 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: CMP Date/ Time:

	Glass								Plastic					Vials						Jars				General							
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																	10															2.5 / 5 / 10
002																	10															2.5 / 5 / 10
003																	10															2.5 / 5 / 10
004																	10															2.5 / 5 / 10
005																	10															2.5 / 5 / 10
006																	10															2.5 / 5 / 10
007										1		1					10									1							2.5 / 5 / 10
008																	10															2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:_____ Headspace in VOA Vials (>6mm) : ☐Yes ☐No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	250mlag H2SO4

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 26Mar2020
	Document No.: **ENV-FRM-GBAY-0014-Rev.00**	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40235956

40235956

Client Name: Ramboll

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - 110 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: 1

Person examining contents:

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Date: 10/28/24 /Initials: JAS

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials: VC

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. mail JAS 10/28/24
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 471		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 2 of 2

APPENDIX B

INVESTIGATION DERIVED WASTE DISPOSAL DOCUMENTATION

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
W I D 0 5 3 6 8 4 4 7 3	1	(877) 818-0087	002004683 VES

GENERATOR

5. Generator's Name and Mailing Address
DENNIS DAYE
MARQUETTE UNIVERSITY
ACADEMIC SUPPORT FACILITY, 110 P.O. BOX 1881
MILWAUKEE, WI 53201
Generator's Phone: 414 288-8411

Generator's Site Address (if different than mailing address)
1214 WEST WELLS STREET
MILWAUKEE, WI 53233

6. Transporter 1 Company Name
VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: N J D 0 9 0 5 3 1 4 6 3

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS,
W124 N9451 BOUNDARY
MENOMONEE FALLS, WI 53051
Facility's Phone: 262 255-6655
U.S. EPA ID Number: W I D 0 0 3 9 8 7 1 4 8

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (TETRACHLOROETHYLENE), 9, III, RQ (F002)	1	D F	5	G	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS -|- WIFS OU36190 -|- 1) ERG 171 W 555475
A CWDTWILIQ

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Dennis Daye | Signature: X | Month: 6 | Day: 23 | Year: 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Paul Meer		06	23	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1	2	3	4

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	W I D 0 5 3 6 8 4 4 7 8	1	(877) 818-0087	002039050 VES

GENERATOR

5. Generator's Name and Mailing Address: DENNIS DAYE
MARQUETTE UNIVERSITY
ACADEMIC SUPPORT FACILITY, 110 P.O. BOX 1881
MILWAUKEE, WI 53201
Generator's Phone: 414 288-8411

Generator's Site Address (if different than mailing address)
1214 WEST WELLS STREET
MILWAUKEE, WI 53233

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: N J D 0 8 0 6 3 1 3 6 9

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS,
W124 N9451 BOUNDARY
MENOMONEE FALLS, WI 53051
U.S. EPA ID Number: W I D 0 0 3 9 6 7 1 4 8
Facility's Phone: 262 255-6655

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (TETRACHLOROETHYLENE), 9, III, RQ (F002)	1	DF	38	P	F002, F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: ER Service Contracted by VESTS + Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. "PLACARDS AND ERG BOOK WERE OFFERED BY MARQUETTE AND REFUSED BY VEOLIA" + 1) OU 36190

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dennis Daye
Signature
Month 12 Day 8 Year 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: C. Barrington
Signature
Month 12 Day 8 Year 21

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:
U.S. EPA ID Number

18b. Alternate Facility (or Generator)

Facility's Phone:
Month Day Year

18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY TO EPA's e-MANIFEST SYST

...additions are obsolete

PACKING SUMMARY

SL Accnt Id (Gen Num): 56727 (648254)
Marquette University
1214 West Wells Street
Milwaukee, WI 53239
Attn: DENNIS DAYE
EPA ID:WID053684478

Manifest Number: 0022039060VES
Field System ID: HH
Work Order Number: 2519866000
Date Shipped: 12/08/2021

Container#: HH-2519866000-001 Waste Area: Manifest Page/Line: 01 / 1

WIP: 555475 DisposalCode: CWDTWILIQ PHY State: L

Date Accumulated: 12/08/2021 Gen Drum ID:

Shipping Name: NA3082, HAZARDOUS WASTE, LIQUID, n.o.s., (TETRACHLOROETHYLENE), 9, III, RQ (F002)

No. of Commons: 01 Outer Container: 051H1-DF Inner Container:

Primary Waste Codes: F002 PCB Serial #: OOS Date: / /

Total Cmne Wt: 38 SIC: 8221 Source: G19 Form: W219 System: H141 Cubic Ft.: 0.69

Individual Common Weights: 1 @ 38 (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	5 GAL		TETRACHLOROETHYLENE [0-61M] TRICHLOROETHYLENE (TCE) [0-3.3M] WATER [99-100%] RUST, DIRT, SCALE [0-1%]	F002

Land Disposal Restriction Notification Form

Generator Name **Marquette University**

EPA ID Number **WID053684478** Manifest **002039090VES**

This notice is being provided in accordance with 40 CFR 268.7 to inform you that this shipment contains waste restricted from land disposal by the USEPA under the land disposal restriction program. Identified below for each container is the designation of the waste as a wastewater or non-wastewater, the Clean Water Act (CWA) permit status associated with the treatment/disposal facility, applicable waste codes and any corresponding subcategories, list of any F001-F005 solvent constituents that are present in the waste, and any underlying hazardous constituents (UHC) that are present.

Container Number: **HH-2513566000-001 (1/ 1)**

WIP / Approval Code:	**565475 / CWDTWILIQ**
Form Designation / CWA Status:	**Non-Wastewater / Non-CWA**
Waste Codes (Subcategories):	**F002**
Constituents (F001 - F005):	**TETRACHLOROETHYLENE, TRICHLOROETHYLENE (TCE)**
UHCs Present:	**Not Applicable**
Treatment Requirements:	**Restricted waste requires treatment to applicable standards.**
Additional Notices:	

I hearby certify that all information in this and associated land disposal restriction documents is complete and accurate to the best of my knowledge and information.

Signature _____

Title Director EH&S Date 12/8/2021