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

Date:
**July 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

## JANUARY 1, 2022 TO JUNE 30, 2022

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, Mark Mejac, 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.

Mark M. Mejac, PG
License No. 283-13

July 13, 2022
Date

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## APPENDICES

# 1. INTRODUCTION

Ramboll US Consulting, Inc. (Ramboll), on behalf of Marquette University (Marquette), has prepared this *Semi-Annual Progress Report: January 1, 2022 to June 30, 2022* (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 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<br>Mr. Joel Smullen, AIA<br>517 North 14th Street<br>Milwaukee, WI 53233<br>(414) 288-4620 |
| Regulatory Agency/Project Manager: | WDNR<br>Mr. Greg Michael<br>141 Northwest Barstow Street<br>Waukesha, WI 53188-3789<br>(414) 405-1203 |
| Environmental Consultant: | Ramboll US Consulting, Inc.<br>Ms. Jeanne Tarvin, PG, CPG<br>234 West Florida Street, Fifth Floor<br>Milwaukee, WI 53204<br>(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* along with results of the October 2020 semi-annual groundwater monitoring event (Ramboll, 2021a). Based on the results of the April 2021 semi-annual groundwater monitoring event (Ramboll, 2021b) supplemental *in-situ* ERD activities were completed in July 2021 to further support the existing reducing conditions and continued microbial activity. The supplemental *in-situ* ERD activities and subsequent October 2021 semi-annual groundwater monitoring event were documented in the S*emi-Annual Progress Report* (Ramboll, 2022).

### 1.3 Purpose of Report

The purpose of this report is to document activities completed from January 1 to June 30, 2022. Specific objectives include the following:

- Summarize the results of the April 2022 semi-annual groundwater monitoring event.
- Discuss the previously provided work plan for the collection of per- and polyfluoroalkyl substances (PFAS) groundwater samples as requested by the WDNR.
- Provide recommendations for supplemental remedial actions.

# 2. APRIL 2022 GROUNDWATER MONITORING ACTIVITIES

The groundwater sampling activities were conducted utilizing the procedures and methodologies 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 April 2022.

## 2.1 Groundwater Monitoring

Six monitoring wells (MW-4, MW-5, MW-6, PZ-1R, PZ-2R, and PZ-4) were sampled on April 13, 2022, 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.

## 2.2 Groundwater Elevation Measurements

To evaluate groundwater flow directions and hydraulic gradients, groundwater elevations were measured during the April 2022 groundwater sampling event. A summary of historical groundwater elevations is presented in Table 1.

April 2022 groundwater elevations varied slightly when compared to the previous site-wide groundwater measurement event completed in October 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 2022 horizontal hydraulic gradient was 0.036 ft/ft between MW-2 and MW-5.

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 0.59 ft/ft (April 2022). The vertical hydraulic gradients have not been appreciably affected by the site redevelopment 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.

## 2.3 Field Parameter Results

Field parameters consisting of specific conductivity, DO, ORP, pH, and temperature were collected from the monitoring wells sampled during the April 2022 groundwater sampling event. The measured specific conductivity values varied from 4,693 micro-Siemens per centimeter (µS/cm) in MW-5 to 17,023 µS/cm in MW-6.

Measured April 2022 DO levels outside of the July 2021 area of carbon amendment injection ranged from 0.41 milligram per liter (mg/L) at well MW-6 to 5.55 mg/L at well MW-5, which is indicative of anaerobic to moderately aerobic conditions. The April 2022 DO reading at monitoring well MW-5 may be anomalous, as previous DO readings have not exceeded 2.0 mg/L at MW-5. The April 2022 measured DO level at treatment zone well PZ-1R was 0.36 mg/L, which is indicative of continued anaerobic conditions at this location in response to the July 2021 carbon amendment injection event.

The April 2022 ORP measurements were consistent with historical ranges of values. 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 -244.8 millivolts (mV) (PZ-1R) to -35.5 mV (PZ-4).

The pH values measured as part of the April 2022 sampling event ranged from 6.62 (PZ-1R) to 7.22 (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.

## 2.4 Groundwater Laboratory Analytical Results

The April 2022 groundwater samples were collected from six monitoring wells and submitted for laboratory analysis in accordance with the approved Ramboll sampling plans identified above. A copy of the April 2022 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.

### 2.4.1 Geochemical Analytical Results

Monitoring well PZ-1R was sampled for MNA parameters in April 2022. 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. In April 2022, the TOC concentration decreased to 240 mg/L. This TOC concentration 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 April 2022 groundwater sample from well PZ-1R was 3.9 mg/L. 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 have increased from non-detect (<2.2 mg/L) in both the April 2021 and October 2021 groundwater samples to 66.2 mg/L in April 2022. This increased sulfate concentration may be indicative of a return to less anaerobic conditions in response to some electron donor depletion; however, the detected sulfate concentration in the April 2022 groundwater sample (66.2 mg/L) remains well below the pre-soil blending sulfate concentration (155 mg/L) detected in the November 2017 groundwater sample obtained from well PZ-1R.

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 5,650 micrograms per liter (µg/L) in the April 2022 groundwater sample (which is indicative of favorable reducing conditions for continued anaerobic dechlorination of CVOCs as indicated above).

Concentrations of ethene and ethane can be used to infer that anaerobic dechlorination of CVOCs is occurring. The April 2022 groundwater sample from monitoring well PZ-1R within the treatment zone contained 3,570 µg/L of ethene and 683 µg/L of ethane, which are two orders of magnitude higher than ethene and ethane concentrations detected in October 2021. The ethene concentration detected in the April 2022 groundwater sample from well PZ-1R is the highest value detected to date. The elevated concentrations of ethene and ethane are indicative of complete reductive dechlorination of tetrachlorethene (PCE) to its terminal products.

### 2.4.2 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 April 2022. Three of the six monitoring wells (MW-4, MW-5, and PZ-1R) had detections of PCE above the WAC NR 140 Enforcement Standard (ES) of 5 µg/L at concentrations of 13.7 µg/L, 18.0 µg/L, and 64,600 µg/L, respectively. Trichloroethene (TCE) was detected above the WAC NR 140 ES of 5.0 µg/L at PZ-1R with a concentration of 11,800 µg/L, and above the WAC NR 140 Preventative Action Limit (PAL) (0.5 µg/L) at MW-5 with a concentration of 3.7 µg/L. Groundwater samples from PZ-1R and PZ-2R had detections of cis-1,2-dichloroethene (cDCE) above the WAC NR 140 ES of 70 µg/L, at concentrations of 47,800 µg/L and 91.5 µg/L, respectively. cDCE was detected above the WAC NR 140 PAL of 7.0 µg/L but below the ES of 70 µg/L in MW-5 at a concentration of 47.8 µg/L.

Four of the six monitoring wells sampled in April 2022 had detections of vinyl chloride above the WAC NR 140 ES of 0.2 µg/L at concentrations ranging from 0.36 J µg/L (MW-6) to 12,300 µg/L (PZ-1R). 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.

### 2.4.3 Waste Disposal

Purge water and decontamination fluids from the April 2022 groundwater sampling activities were containerized in a 5-gallon closed head polyethylene container and transported to Marquette's centralized waste storage area by Veolia North America (Veolia) on April 13, 2022. Veolia transported the containers off-site for disposal on May 11, 2022. Disposal documentation is provided in Appendix B.

# 3. STATUS OF PFAS GROUNDWATER ASSESSMENT

In the *Semi-Annual Progress Report* (Ramboll, 2022) submitted to the WDNR on March 16, 2022, a PFAS groundwater assessment was discussed and proposed for the April 2022 groundwater sampling event. On April 13, 2022, via a telephone discussion, the WDNR accepted a temporary postponement of the proposed PFAS assessment to a future semi-annual groundwater event. A follow-up electronic mail was submitted to the WDNR project manager to document the conversation. At this time, the collection of PFAS groundwater samples from the site is not scheduled. The WDNR will be kept apprised regarding Marquette's future plans to implement the PFAS sampling as proposed in the March 16, 2022 *Semi-Annual Progress Report* (Ramboll, 2022).

# 4. CONCLUSIONS AND RECOMMENDATIONS

Continued monitoring following the supplemental injection of organic carbon substrate conducted in July 2021 continues to show reducing conditions through fermentation of the applied carbon substrate. These reducing conditions are evident based on the following observations related to the April 2022 groundwater sample results from treatment zone monitoring well PZ-1R:

- Low ORP reading of -244.8 mV and low DO reading of 0.36 mg/L.
- Continued elevated TOC concentration at PZ-1R (240 mg/L) which is greater than the desired minimum value of 20 mg/L for reductive dechlorination to be enhanced.
- The continued high methane concentrations at PZ-1R are consistent with continued reducing conditions.
- Ethene concentrations that are an order of magnitude above background levels are indicative of complete dechlorination (AFCEE, 2004), and the April 2022 ethene value of 3,570 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 64,600 µg/L in April 2022. 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 April 2022 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-1,2-DCE have generally increased at that location.

While the TOC concentration is still elevated within the treatment area, it will likely continue to diminish over time. As such, replenishment of the carbon substrate is proposed to promote continued microbial activity and strongly reducing groundwater conditions. Ramboll recommends that a supplemental carbon amendment event be performed using the previously constructed injection wells. Section 5 provides additional information regarding the injection work planned for July 2022.

The next semi-annual groundwater sampling event is scheduled to be conducted in October 2022.

# 5. PLANNED SUPPLEMENTAL INJECTION

A supplemental carbon amendment replenishment event is scheduled to be completed in July 2022. The objective of the additional injection event is to further support existing reducing conditions and promote continued microbial activity. The work will be performed in accordance with the July 24, 2020 WDNR approved Temporary Injection Exemption (WDNR, 2020) and the associated June 9, 2022 WDNR approved extension (WDNR, 2022b). Notification of the planned injection event was provided to the WDNR on Wednesday June 22, 2022, via electronic mail.

It is estimated that a combined total of 300 gallons of carbon amendment solution (55 gallons of ABC® product diluted with approximately 245 gallons of potable water) will be introduced into the previously constructed injection wells (IW-1 through IW-8). The injection activities will be documented in the forthcoming semi-annual groundwater monitoring report to be prepared following completion of the October 2022 groundwater sampling event.

# 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.

Lu, X., D. H. Kampbell, and J. T. Wilson. 2006. Evaluation of the Role of Dehalococcoides Organisms in the Natural Attenuation of Chlorinated Ethylenes in Groundwater. USEPA, Washington, DC. EPA/600/R-06/029.

Ramboll. 2018. *Remedial Design Report*. Former One-Hour Valet Dry Cleaners, Milwaukee, Wisconsin. February 12.

Ramboll. 2019. *Remedial Action Documentation Report*. Former One-Hour Valet Dry Cleaners, Milwaukee, Wisconsin. April 1.

Ramboll. 2020. *Post-Remedial Action Documentation Report*. Former One-Hour Valet Dry Cleaners, Milwaukee, Wisconsin. May 26.

Ramboll. 2021a. *Supplemental Remediation Documentation and Progress Report.* Former One-Hour Valet Dry Cleaners, Milwaukee, Wisconsin. February 26.

Ramboll. 2021b. *Semi-Annual Progress Report.* Former One-Hour Valet Dry Cleaners, Milwaukee, Wisconsin. June 24.

Ramboll. 2022. *Semi-Annual Progress Report.* Former One-Hour Valet Dry Cleaners, Milwaukee, Wisconsin. March 16.

WDNR. 2020. *Infiltration/Injection Temporary Exemption Request*. July 24.

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

WDNR. 2022b. *Extension of Infiltration Temporary Exemption Request.* June 9.

# TABLES

# Table 1. Groundwater Elevations Summary

Former One-Hour Valet Dry Cleaners
1214 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 |
| 4/12/2022 | 9.15 | 638.60 | 10.92 | 643.78 | 10.60 | 638.68 | 12.18 | 639.80 | 12.01 | 637.22 |

**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
1214 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 | -- | -- |
| 4/12/2022 | 9.73 | 638.53 | 9.55 | 640.01 | 9.36 | 640.27 | 16.93 | 633.80 | -- | -- |

**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
1214 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 |
| 4/12/2022 | 29.51 | 622.67 | -- | -- | 26.50 | 623.04 | -- | -- | 28.27 | 621.29 |

**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 | | | |
| MW-5 | 4/12/2022 | 649.23 | 12.01 | 637.22 | 10.00 | 641.80 | 631.80 | 636.80 | 634.5 | -15.93 | -0.59 | Downward |
| PZ-4 | 4/12/2022 | 649.56 | 28.27 | 621.29 | 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 | 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 | | | |
| MW-2 | 4/12/2022 | 654.70 | 10.92 | 643.78 | 184 | 6.6 | 0.036 |
| MW-5 | 4/12/2022 | 649.23 | 12.01 | 637.22 | | | |

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 |
| | 4/13/2022 | 7.14 | 0.85 | 72.6 | 9.23 | 6,484 | 12.64 |
| 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 |
| | 4/13/2022 | 7.22 | 5.55 | 63.1 | 5.20 | 4,693 | 13.32 |
| 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 |
| | 4/13/2022 | 6.89 | 0.41 | -65.1 | 9.24 | 17,023 | 15.97 |
| 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 |
| | 4/13/2022 | 6.62 | 0.36 | -244.8 | 9.83 | 8,583 | 14.71 |
| **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 |
| | 4/13/2022 | 7.11 | 0.57 | -40.0 | 0.00 | 6,562 | 14.12 |
| **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 |
| | 4/13/2022 | 6.89 | 0.56 | -35.5 | 8.36 | 7,873 | 15.68 |

**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) | ORP (mV) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 1/14/2002 | NA | NA | NA | NA | NA | NA | NA | -37.0 | NA | NA |
| | 5/8/2002 | NA | NA | NA | NA | NA | NA | NA | 287.1 | NA | NA |
| | 8/7/2003 | NA | NA | NA | NA | NA | NA | NA | 161.3 | NA | NA |
| | 10/7/2003 | 0.028 | 0.049 | NA | NA | NA | 14 | NA | 396.8 | NA | NA |
| | 8/25/2009 | <10 | <10 | NA | NA | NA | <10 | NA | 95.0 | NA | 1.26 |
| | 11/1/2017 | <0.58 | <0.52 | 0.0126 J | 0.00 J | <0.017 | <1.4 | <0.095 | 57.7 | <100 | <0.25 |
| MW-2 | 1/14/2002 | NA | NA | NA | NA | NA | NA | NA | 168.4 | NA | NA |
| | 5/8/2002 | NA | NA | NA | NA | NA | NA | NA | 256.9 | NA | NA |
| | 8/7/2003 | NA | NA | NA | NA | NA | NA | NA | 2.3 | NA | NA |
| | 10/7/2003 | 0.018 | 0.021 | NA | NA | NA | 22 | NA | 364.0 | NA | NA |
| | 8/27/2009 | NA | NA | NA | NA | NA | NA | NA | 86.0 | NA | NA |
| | 11/1/2017 | <0.58 | <0.52 | 1.77 | 0.54 | 1.2 H3 | <1.4 | <0.095 | -74.3 | 93.5 | <0.25 |
| MW-3 | 8/7/2003 | NA | NA | NA | NA | NA | NA | NA | 68.0 | NA | NA |
| | 10/7/2003 | 0.16 | 0.056 | NA | NA | NA | 45 | NA | 327.8 | NA | NA |
| | 8/27/2009 | NA | NA | NA | NA | NA | NA | NA | 16.0 | NA | NA |
| | 11/1/2017[1] | NA | NA | NA | NA | NA | NA | NA | -125.6 | NA | NA |
| MW-4 | 8/7/2003 | NA | NA | NA | NA | NA | NA | NA | 139.0 | NA | NA |
| | 10/7/2003 | 0.021 | 0.033 | NA | NA | NA | 22 | NA | 383.4 | NA | NA |
| | 8/25/2009 | NA | NA | NA | NA | NA | NA | NA | 77.0 | NA | NA |
| | 11/2/2017 | NA | NA | NA | NA | NA | NA | NA | -19.8 | NA | NA |
| | 5/2/2019 | NA | NA | NA | NA | NA | NA | NA | 140.7 | NA | NA |
| | 8/14/2019 | NA | NA | NA | NA | NA | NA | NA | 79.4 | NA | NA |
| | 3/10/2020 | NA | NA | NA | NA | NA | NA | NA | 81.6 | NA | NA |
| | 10/28/2020 | NA | NA | NA | NA | NA | NA | NA | 116.0 | NA | NA |
| | 4/21/2021 | NA | NA | NA | NA | NA | NA | NA | 53.9 | NA | NA |
| | 10/27/2021 | NA | NA | NA | NA | NA | NA | NA | 64.6 | NA | NA |
| MW-5 | 8/7/2003 | NA | NA | NA | NA | NA | NA | NA | 190.5 | NA | NA |
| | 10/7/2003 | 0.041 | 0.0097 | NA | NA | NA | 0.99 | NA | 396.8 | NA | NA |
| | 8/27/2009 | <10 | <10 | NA | NA | NA | 136 | NA | 98.0 | NA | 1.82 |
| | 11/2/2017 | NA | NA | NA | NA | NA | NA | NA | 18.6 | NA | NA |
| | 5/2/2019 | NA | NA | NA | NA | NA | NA | NA | 159.1 | NA | NA |
| | 8/14/2019 | NA | NA | NA | NA | NA | NA | NA | 63.4 | NA | NA |
| | 3/10/2020 | NA | NA | NA | NA | NA | NA | NA | 21.1 | NA | NA |
| | 10/28/2020 | NA | NA | NA | NA | NA | NA | NA | 47.2 | NA | NA |
| | 4/21/2021 | NA | NA | NA | NA | NA | NA | NA | -18.0 | NA | NA |
| | 10/27/2021 | NA | NA | NA | NA | NA | NA | NA | 15.4 | NA | NA |
| MW-6 | 8/25/2009 | NA | NA | NA | NA | NA | NA | NA | -50.0 | NA | NA |
| | 11/9/2017[1] | <0.58 | <0.52 | 13.6 | 8.3 | 5.2 H3 | <1.4 | <0.095 | -112.7 | 82.4 | <0.25 |
| | 5/2/2019 | <0.58 | <0.52 | 103 | 1,030 | <0.20 | <1.4 | 0.25 J | 94.8 | 41.8 | 6.0 |
| | 8/14/2019 | <0.58 | <0.52 | 1.7 | <0.20 | 2.1 H3 | <1.4 | <0.0 | 3.1 | 95.6 | 0.57 J |
| | 3/10/2020 | <1.2 | <1.2 | 6.68 | <0.20 | 7.4 H3 | 75.2 | <0.059 | -154.3 | 87 J | 1.8 |
| | 10/28/2020 | NA | NA | NA | NA | NA | NA | NA | -137.5 | NA | NA |
| | 4/21/2021 | NA | NA | NA | NA | NA | NA | NA | -98.1 | NA | NA |
| | 10/27/2021 | NA | NA | NA | NA | NA | NA | NA | -50.4 | NA | NA |
| MW-7 | 8/26/2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/9/2017[2] | NA | NA | NA | NA | NA | NA | NA | -50.7 | NA | NA |
| MW-8 | 8/26/2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/9/2017[3] | NA | NA | NA | NA | NA | NA | NA | -28.7 | NA | NA |
| MW-9 | 8/27/2009 | <10 | <10 | NA | NA | NA | <10 | NA | NA | NA | 1.27 |
| | 11/9/2017 | NA | NA | NA | NA | NA | NA | NA | -42.6 | 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) | ORP (mV) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PZ-1 | 1/15/2002 | NA | NA | NA | NA | NA | NA | NA | -65.3 | NA | NA |
| | 5/8/2003 | NA | NA | NA | NA | NA | NA | NA | -18.3 | NA | NA |
| | 8/8/2003 | NA | NA | NA | NA | NA | NA | NA | -93.7 | NA | NA |
| | 10/7/2003 | 1.7 | 0.48 | NA | NA | NA | 7 | NA | -97.1 | NA | NA |
| | 8/25/2009 | <10 | <10 | NA | NA | NA | <10 | NA | -73.0 | NA | 2.04 |
| | 11/2/2017 | <0.58 | <0.52 | 2.29 | 2.2 | 0.060 H3 | <1.4 | 0.33 | 38.5 | 155 | 0.50 J |
| PZ-1R | 5/2/2019 | 337 | 32.4 | 5.88 | <0.20 | 5.8 H3 | 23.1 | <0.095 | -102.6 | 101 | 124 J |
| | 8/14/2019 | 3,060 | 87.2 | 5.70 | <0.20 | 6.5 H3 | 129 | <0.095 | -138.4 | 93.1 | 184 |
| | 3/10/2020 | 2,130 | 974 | 4.60 | <0.20 | 5.1 H3 | 162 | <0.059 | -270.1 | 85.9 | 115 |
| | 10/28/2020 | 1,560 | 1,320 | NA | NA | 168 C4, H3 | 1510 | NA | -126.9 | 4.9 J, D3 | 2,440 |
| | 4/21/2021 | 1,540 | 1,090 | NA | NA | 19.7 H3 | 2,680 | NA | -487.7 | <2.2 | 499 |
| | 10/27/2021 | 2.7 J | 21.9 | 17.1 | <0.0281 H3 | 19.0 H3 | 1,820 | NA | -58.6 | <2.2 D3 | 959 |
| | 4/13/2022 | 683 | 3,570 | 3.74 | <0.058 | 3.9 H3 | 5,650 | NA | -244.8 | 66.2 | 240 |
| PZ-2 | 8/8/2003 | NA | NA | NA | NA | NA | NA | NA | -41.3 | NA | NA |
| | 10/6/2003 | 1.3 | 0.79 | NA | NA | NA | 60 | NA | -35.1 | NA | NA |
| | 8/27/2009 | NA | NA | NA | NA | NA | NA | NA | -16.0 | NA | NA |
| | 11/1/2017[1] | <0.58 | <0.52 | 8.82 | 5.7 | 3.1 | 23.1 | <0.095 | -100.3 | 178 | <0.25 |
| PZ-2R | 8/14/2019 | 0.82 J | <0.52 | 3.20 | <0.20 | 3.6 H3 | 22 | <0.095 | -36.8 | 164 | 0.40 J |
| | 3/10/2020 | <1.2 | <1.2 | 2.80 | <0.20 | 2.9 H3, M1 | 10.3 | <0.059 | -68.3 | 140 | 0.36 M0 |
| | 10/28/2020 | NA | NA | NA | NA | NA | NA | NA | -80.6 | NA | NA |
| | 4/21/2021 | NA | NA | NA | NA | NA | NA | NA | -81.7 | NA | NA |
| | 10/27/2021 | NA | NA | NA | NA | NA | NA | NA | -45.8 | NA | NA |
| PZ-3 | 8/25/2009 | NA | NA | NA | NA | NA | NA | NA | -53.0 | NA | NA |
| | 11/2/2017 | NA | NA | NA | NA | NA | NA | NA | -103.8 | NA | NA |
| PZ-4 | 8/25/2009 | NA | NA | NA | NA | NA | NA | NA | -55.0 | NA | NA |
| | 11/2/2017 | NA | NA | NA | NA | NA | NA | NA | -111.8 | NA | NA |
| | 5/2/2019 | NA | NA | NA | NA | NA | NA | NA | 48.2 | NA | NA |
| | 8/14/2019 | NA | NA | NA | NA | NA | NA | NA | -40.0 | NA | NA |
| | 3/10/2020 | NA | NA | NA | NA | NA | NA | NA | -61.7 | NA | NA |
| | 10/28/2020 | NA | NA | NA | NA | NA | NA | NA | 12.4 | NA | NA |
| | 4/21/2021 | NA | NA | NA | NA | NA | NA | NA | -88.1 | NA | NA |
| | 10/27/2021 | NA | NA | NA | NA | NA | NA | NA | -36.9 | 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 |
| | 4/13/2022 | <0.30 | <1.2 | <0.58 | <0.47 | <0.53 | <0.33 | <0.32 | **13.7** | <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 |
| | 4/13/2022 | <0.30 | <1.2 | <0.58 | *47.8* | 0.93 J | <0.33 | <0.32 | **18.0** | <0.29 | *3.7* | <0.45 | <0.17 | <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 |
| | 4/13/2022 | <0.30 | <1.2 | <0.58 | 1.5 | <0.53 | <0.33 | <0.32 | <0.41 | <0.29 | <0.32 | <0.45 | **0.36 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

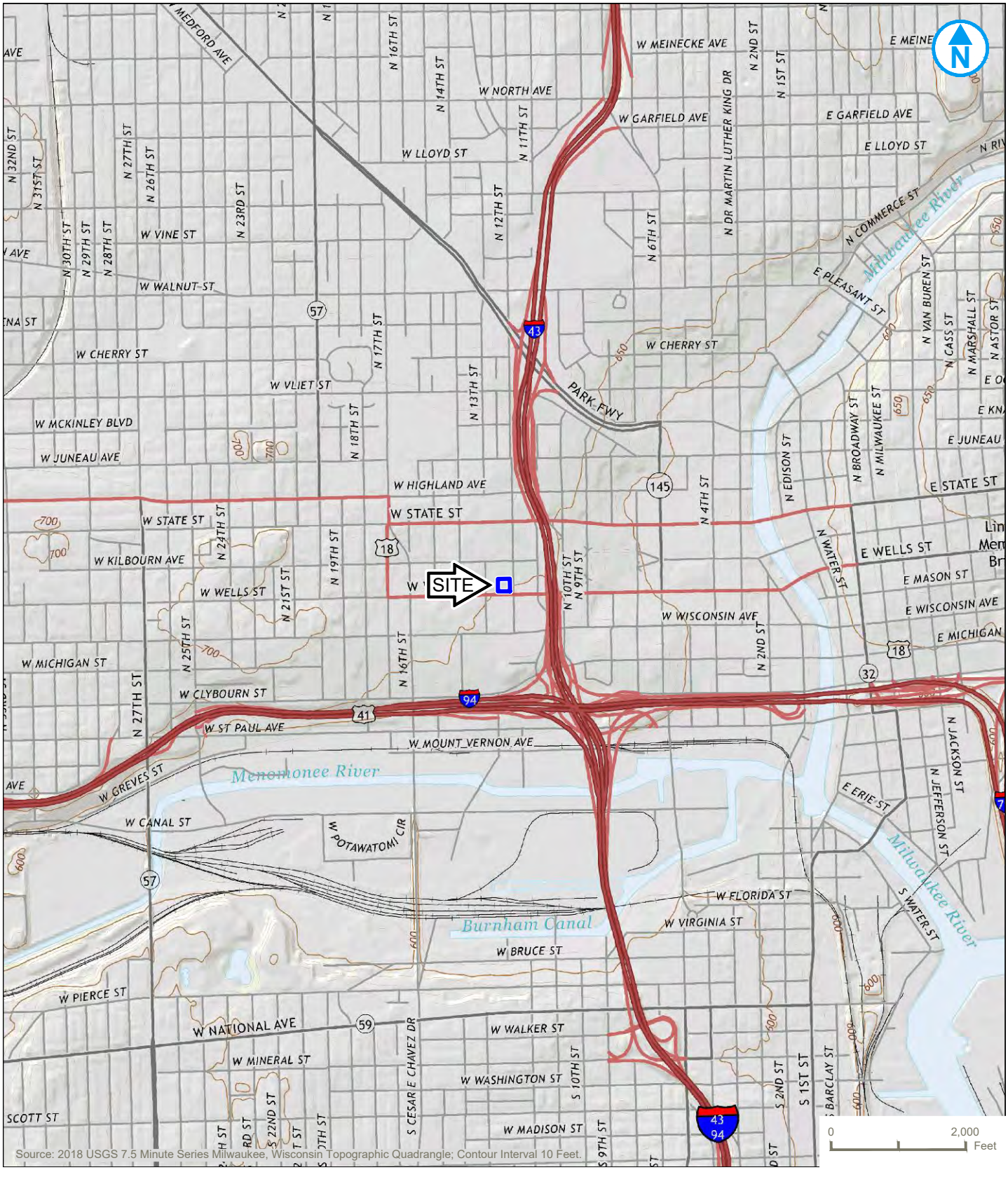
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

| 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 |
| | 4/13/2022 | <148 | <591 | <291 | **47,800** | <264 | <163 | <160 | **64,600** | <144 | **11,800** | <224 | **12,300** | <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 |
| | 4/13/2022 | <0.30 | <1.2 | <0.58 | **91.5** | 1.4 | <0.33 | <0.32 | <0.41 | <0.29 | <0.32 | <0.45 | **11.1** | <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 |
| | 4/13/2022 | <0.30 | <1.2 | <0.58 | <0.47 | <0.53 | <0.33 | <0.32 | 0.45 J | <0.29 | <0.32 | <0.45 | **3.3** | <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.


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

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

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

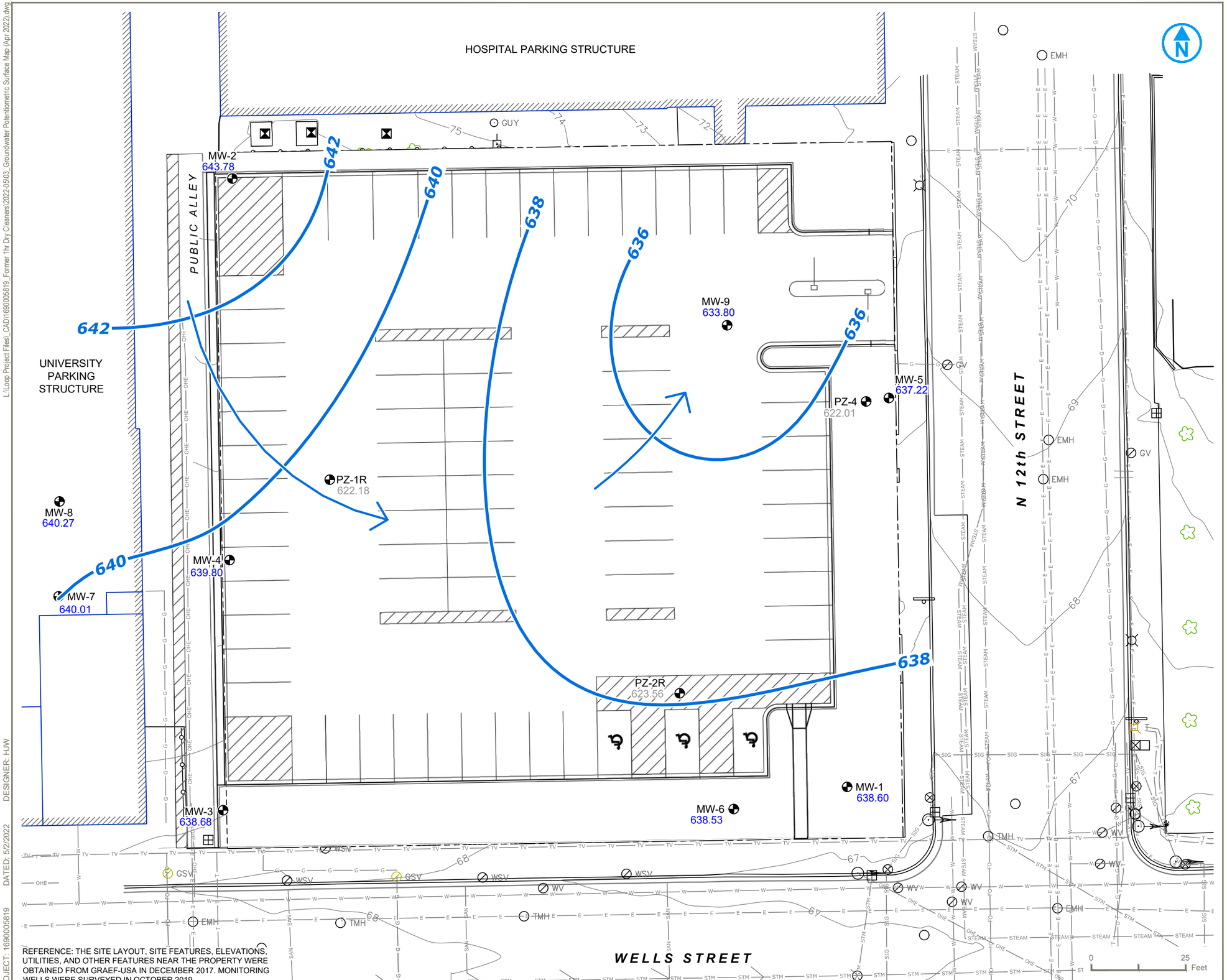
# SITE LAYOUT
FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN

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




L:\Loop Project Files_CAD\1690005819_Former 1hr Dry Cleaners\2022-0503_Groundwater Potentiometric Surface Map (Apr 2022).dwg

PROJECT: 1690005819 DATED: 5/2/2022 DESIGNER: HJW

LEGEND

- PROPERTY BOUNDARY
- BUILDING FOOTPRINT
- ASPHALT
- CONCRETE
- FENCE LINE
- 75 — 1-FT ELEVATION CONTOUR
- E E — UNDERGROUND ELECTRIC
- OHE — OVERHEAD ELECTRIC
- T T — TELEPHONE
- W W — WATER LINE
- G G — GAS
- TV — CABLE TV
- FO FO — FIBER OPTIC
- STM — STORMWATER SEWER
- SAN — SANITARY SEWER
- STEAM — 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
- 638.60 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 (APRIL 2022)

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

**FIGURE 3**

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

| *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

N 12TH STREET

WELLS STREET

MW-2 NS

MW-9 NS

MW-5

| *MW-5* | |
|---|---|
| DATE: | 04/13/2022 |
| cis-1,2-DCE | *47.8* |
| trans-1,2-DCE | 0.93 J |
| PCE | **18.0** |
| TCE | *3.7* |
| VC | <0.17 |

PZ-4

| *PZ-4* | |
|---|---|
| DATE: | 04/13/2022 |
| cis-1,2-DCE | <0.47 |
| trans-1,2-DCE | <0.53 |
| PCE | 0.45 J |
| TCE | <0.32 |
| VC | **3.3** |

PZ-1R

| *PZ-1R* | |
|---|---|
| DATE: | 04/13/2022 |
| cis-1,2-DCE | **47,800** |
| trans-1,2-DCE | <264 |
| PCE | **64,600** |
| TCE | **11,800** |
| VC | **12,300** |

MW-8 NS

MW-7 NS

MW-4

| *MW-4* | |
|---|---|
| DATE: | 04/13/2022 |
| cis-1,2-DCE | <0.47 |
| trans-1,2-DCE | <0.53 |
| PCE | **13.7** |
| TCE | <0.32 |
| VC | <0.17 |

PZ-2R

| *PZ-2R* | |
|---|---|
| DATE: | 04/13/2022 |
| cis-1,2-DCE | **91.5** |
| trans-1,2-DCE | 1.4 |
| PCE | <0.41 |
| TCE | <0.32 |
| VC | **11.1** |

MW-3 NS

MW-6

| *MW-6* | |
|---|---|
| DATE: | 04/13/2022 |
| cis-1,2-DCE | 1.5 |
| trans-1,2-DCE | <0.53 |
| PCE | <0.41 |
| TCE | <0.32 |
| VC | **0.36 J** |

MW-1 NS

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 Feet

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 (APRIL 2022)

**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\2022-05\04_CVOC Concentrations in GW (April 2022).dwg
DATED: 6/2/2022 DESIGNER: HJW
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

April 26, 2022

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

RE: Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on April 14, 2022. 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 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

**REPORT OF LABORATORY ANALYSIS**

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

## CERTIFICATIONS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**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

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE SUMMARY

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **40243415001** | **PZ-2R** | Water | 04/13/22 07:50 | 04/14/22 07:50 |
| **40243415002** | **MW-6** | Water | 04/13/22 08:35 | 04/14/22 07:50 |
| **40243415003** | **MW-6 DUP** | Water | 04/13/22 08:35 | 04/14/22 07:50 |
| **40243415004** | **PZ-4** | Water | 04/13/22 09:50 | 04/14/22 07:50 |
| **40243415005** | **MW-5** | Water | 04/13/22 10:25 | 04/14/22 07:50 |
| **40243415006** | **MW-4** | Water | 04/13/22 11:15 | 04/14/22 07:50 |
| **40243415007** | **PZ-1R** | Water | 04/13/22 12:45 | 04/14/22 07:50 |
| **40243415008** | **TRIP BLANK** | Water | 04/13/22 00:00 | 04/14/22 07:50 |

## REPORT OF LABORATORY ANALYSIS

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

## SAMPLE ANALYTE COUNT

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|---|---|---|---|---|
| **40243415001** | **PZ-2R** | EPA 8260 | JAV | 65 |
| **40243415002** | **MW-6** | EPA 8260 | JAV | 65 |
| **40243415003** | **MW-6 DUP** | EPA 8260 | JAV | 65 |
| **40243415004** | **PZ-4** | EPA 8260 | JAV | 65 |
| **40243415005** | **MW-5** | EPA 8260 | JAV | 65 |
| **40243415006** | **MW-4** | EPA 8260 | JAV | 65 |
| **40243415007** | **PZ-1R** | EPA 8015B Modified | ALD | 3 |
| | | EPA 6020B | KXS | 1 |
| | | EPA 8260 | JAV | 65 |
| | | HACH 8146 | BAF | 1 |
| | | EPA 300.0 | HMB | 1 |
| | | SM 5310C | TJJ | 1 |
| **40243415008** | **TRIP BLANK** | EPA 8260 | JAV | 65 |

PASI-G = Pace Analytical Services - Green Bay

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

## SUMMARY OF DETECTION

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

| Lab Sample ID / Method | Client Sample ID / Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|---|
| **40243415001** | **PZ-2R** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 91.5 | ug/L | 1.0 | 04/18/22 17:39 | |
| EPA 8260 | trans-1,2-Dichloroethene | 1.4 | ug/L | 1.0 | 04/18/22 17:39 | |
| EPA 8260 | Vinyl chloride | 11.1 | ug/L | 1.0 | 04/18/22 17:39 | |
| **40243415002** | **MW-6** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 1.5 | ug/L | 1.0 | 04/18/22 18:18 | |
| EPA 8260 | Vinyl chloride | 0.36J | ug/L | 1.0 | 04/18/22 18:18 | |
| **40243415003** | **MW-6 DUP** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 1.0J | ug/L | 1.0 | 04/18/22 18:37 | |
| EPA 8260 | Vinyl chloride | 0.24J | ug/L | 1.0 | 04/18/22 18:37 | |
| **40243415004** | **PZ-4** | | | | | |
| EPA 8260 | Tetrachloroethene | 0.45J | ug/L | 1.0 | 04/18/22 18:56 | |
| EPA 8260 | Vinyl chloride | 3.3 | ug/L | 1.0 | 04/18/22 18:56 | |
| **40243415005** | **MW-5** | | | | | |
| EPA 8260 | cis-1,2-Dichloroethene | 47.8 | ug/L | 1.0 | 04/18/22 19:16 | |
| EPA 8260 | trans-1,2-Dichloroethene | 0.93J | ug/L | 1.0 | 04/18/22 19:16 | |
| EPA 8260 | Tetrachloroethene | 18.0 | ug/L | 1.0 | 04/18/22 19:16 | |
| EPA 8260 | Trichloroethene | 3.7 | ug/L | 1.0 | 04/18/22 19:16 | |
| **40243415006** | **MW-4** | | | | | |
| EPA 8260 | Tetrachloroethene | 13.7 | ug/L | 1.0 | 04/18/22 19:35 | |
| **40243415007** | **PZ-1R** | | | | | |
| EPA 8015B Modified | Ethane | 683 | ug/L | 224 | 04/22/22 11:28 | |
| EPA 8015B Modified | Ethene | 3570 | ug/L | 200 | 04/22/22 11:28 | |
| EPA 8015B Modified | Methane | 5650 | ug/L | 112 | 04/22/22 11:28 | |
| EPA 6020B | Iron | 3740 | ug/L | 250 | 04/23/22 10:09 | |
| EPA 8260 | cis-1,2-Dichloroethene | 47800 | ug/L | 500 | 04/18/22 23:27 | |
| EPA 8260 | Tetrachloroethene | 64600 | ug/L | 500 | 04/18/22 23:27 | |
| EPA 8260 | Trichloroethene | 11800 | ug/L | 500 | 04/18/22 23:27 | |
| EPA 8260 | Vinyl chloride | 12300 | ug/L | 500 | 04/18/22 23:27 | |
| EPA 300.0 | Sulfate | 66.2 | mg/L | 10.0 | 04/21/22 14:10 | |
| SM 5310C | Total Organic Carbon | 240 | mg/L | 15.0 | 04/20/22 10:55 | |

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: PZ-2R** **Lab ID: 40243415001** Collected: 04/13/22 07:50 Received: 04/14/22 07:50 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 | | 04/18/22 17:39 | 71-43-2 | |
| Bromobenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:39 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/18/22 17:39 | 74-97-5 | |
| Bromodichloromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 17:39 | 75-27-4 | |
| Bromoform | **<3.8** | ug/L | 5.0 | 3.8 | 1 | | 04/18/22 17:39 | 75-25-2 | |
| Bromomethane | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 17:39 | 74-83-9 | |
| n-Butylbenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 17:39 | 104-51-8 | |
| sec-Butylbenzene | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 17:39 | 135-98-8 | |
| tert-Butylbenzene | **<0.59** | ug/L | 1.0 | 0.59 | 1 | | 04/18/22 17:39 | 98-06-6 | |
| Carbon tetrachloride | **<0.37** | ug/L | 1.0 | 0.37 | 1 | | 04/18/22 17:39 | 56-23-5 | |
| Chlorobenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 17:39 | 108-90-7 | |
| Chloroethane | **<1.4** | ug/L | 5.0 | 1.4 | 1 | | 04/18/22 17:39 | 75-00-3 | |
| Chloroform | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 17:39 | 67-66-3 | |
| Chloromethane | **<1.6** | ug/L | 5.0 | 1.6 | 1 | | 04/18/22 17:39 | 74-87-3 | |
| 2-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 17:39 | 95-49-8 | |
| 4-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 17:39 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<2.4** | ug/L | 5.0 | 2.4 | 1 | | 04/18/22 17:39 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 5.0 | 2.6 | 1 | | 04/18/22 17:39 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.31** | ug/L | 1.0 | 0.31 | 1 | | 04/18/22 17:39 | 106-93-4 | |
| Dibromomethane | **<0.99** | ug/L | 5.0 | 0.99 | 1 | | 04/18/22 17:39 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 17:39 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 17:39 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.89** | ug/L | 1.0 | 0.89 | 1 | | 04/18/22 17:39 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.46** | ug/L | 5.0 | 0.46 | 1 | | 04/18/22 17:39 | 75-71-8 | M1 |
| 1,1-Dichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 17:39 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 17:39 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.58** | ug/L | 1.0 | 0.58 | 1 | | 04/18/22 17:39 | 75-35-4 | |
| cis-1,2-Dichloroethene | **91.5** | ug/L | 1.0 | 0.47 | 1 | | 04/18/22 17:39 | 156-59-2 | |
| trans-1,2-Dichloroethene | **1.4** | ug/L | 1.0 | 0.53 | 1 | | 04/18/22 17:39 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 17:39 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 17:39 | 142-28-9 | |
| 2,2-Dichloropropane | **<4.2** | ug/L | 5.0 | 4.2 | 1 | | 04/18/22 17:39 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 17:39 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:39 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<3.5** | ug/L | 5.0 | 3.5 | 1 | | 04/18/22 17:39 | 10061-02-6 | |
| Diisopropyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 17:39 | 108-20-3 | |
| Ethylbenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 17:39 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<2.7** | ug/L | 5.0 | 2.7 | 1 | | 04/18/22 17:39 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 17:39 | 98-82-8 | |
| p-Isopropyltoluene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 17:39 | 99-87-6 | |
| Methylene Chloride | **<0.32** | ug/L | 5.0 | 0.32 | 1 | | 04/18/22 17:39 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 17:39 | 1634-04-4 | |
| Naphthalene | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 17:39 | 91-20-3 | |
| n-Propylbenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 17:39 | 103-65-1 | |
| Styrene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:39 | 100-42-5 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: PZ-2R** **Lab ID: 40243415001** Collected: 04/13/22 07:50 Received: 04/14/22 07:50 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 | | 04/18/22 17:39 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<0.38** | ug/L | 1.0 | 0.38 | 1 | | 04/18/22 17:39 | 79-34-5 | |
| Tetrachloroethene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 17:39 | 127-18-4 | |
| Toluene | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 17:39 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 17:39 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/18/22 17:39 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 17:39 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.34** | ug/L | 5.0 | 0.34 | 1 | | 04/18/22 17:39 | 79-00-5 | |
| Trichloroethene | **<0.32** | ug/L | 1.0 | 0.32 | 1 | | 04/18/22 17:39 | 79-01-6 | |
| Trichlorofluoromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 17:39 | 75-69-4 | M1 |
| 1,2,3-Trichloropropane | **<0.56** | ug/L | 5.0 | 0.56 | 1 | | 04/18/22 17:39 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 17:39 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:39 | 108-67-8 | |
| Vinyl chloride | **11.1** | ug/L | 1.0 | 0.17 | 1 | | 04/18/22 17:39 | 75-01-4 | |
| Xylene (Total) | **<1.0** | ug/L | 3.0 | 1.0 | 1 | | 04/18/22 17:39 | 1330-20-7 | |
| m&p-Xylene | **<0.70** | ug/L | 2.0 | 0.70 | 1 | | 04/18/22 17:39 | 179601-23-1 | |
| o-Xylene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 17:39 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 04/18/22 17:39 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 96 | % | 70-130 | | 1 | | 04/18/22 17:39 | 2199-69-1 | |
| Toluene-d8 (S) | 101 | % | 70-130 | | 1 | | 04/18/22 17:39 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: MW-6** **Lab ID: 40243415002** Collected: 04/13/22 08:35 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| Benzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:18 | 71-43-2 | |
| Bromobenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:18 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/18/22 18:18 | 74-97-5 | |
| Bromodichloromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:18 | 75-27-4 | |
| Bromoform | **<3.8** | ug/L | 5.0 | 3.8 | 1 | | 04/18/22 18:18 | 75-25-2 | |
| Bromomethane | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 18:18 | 74-83-9 | |
| n-Butylbenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 18:18 | 104-51-8 | |
| sec-Butylbenzene | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:18 | 135-98-8 | |
| tert-Butylbenzene | **<0.59** | ug/L | 1.0 | 0.59 | 1 | | 04/18/22 18:18 | 98-06-6 | |
| Carbon tetrachloride | **<0.37** | ug/L | 1.0 | 0.37 | 1 | | 04/18/22 18:18 | 56-23-5 | |
| Chlorobenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 18:18 | 108-90-7 | |
| Chloroethane | **<1.4** | ug/L | 5.0 | 1.4 | 1 | | 04/18/22 18:18 | 75-00-3 | |
| Chloroform | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 18:18 | 67-66-3 | |
| Chloromethane | **<1.6** | ug/L | 5.0 | 1.6 | 1 | | 04/18/22 18:18 | 74-87-3 | |
| 2-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 18:18 | 95-49-8 | |
| 4-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 18:18 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<2.4** | ug/L | 5.0 | 2.4 | 1 | | 04/18/22 18:18 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 5.0 | 2.6 | 1 | | 04/18/22 18:18 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.31** | ug/L | 1.0 | 0.31 | 1 | | 04/18/22 18:18 | 106-93-4 | |
| Dibromomethane | **<0.99** | ug/L | 5.0 | 0.99 | 1 | | 04/18/22 18:18 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 18:18 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:18 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.89** | ug/L | 1.0 | 0.89 | 1 | | 04/18/22 18:18 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.46** | ug/L | 5.0 | 0.46 | 1 | | 04/18/22 18:18 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:18 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 18:18 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.58** | ug/L | 1.0 | 0.58 | 1 | | 04/18/22 18:18 | 75-35-4 | |
| cis-1,2-Dichloroethene | **1.5** | ug/L | 1.0 | 0.47 | 1 | | 04/18/22 18:18 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<0.53** | ug/L | 1.0 | 0.53 | 1 | | 04/18/22 18:18 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 18:18 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:18 | 142-28-9 | |
| 2,2-Dichloropropane | **<4.2** | ug/L | 5.0 | 4.2 | 1 | | 04/18/22 18:18 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 18:18 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:18 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<3.5** | ug/L | 5.0 | 3.5 | 1 | | 04/18/22 18:18 | 10061-02-6 | |
| Diisopropyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:18 | 108-20-3 | |
| Ethylbenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 18:18 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<2.7** | ug/L | 5.0 | 2.7 | 1 | | 04/18/22 18:18 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:18 | 98-82-8 | |
| p-Isopropyltoluene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:18 | 99-87-6 | |
| Methylene Chloride | **<0.32** | ug/L | 5.0 | 0.32 | 1 | | 04/18/22 18:18 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:18 | 1634-04-4 | |
| Naphthalene | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:18 | 91-20-3 | |
| n-Propylbenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:18 | 103-65-1 | |
| Styrene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:18 | 100-42-5 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
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## ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: MW-6** **Lab ID: 40243415002** Collected: 04/13/22 08:35 Received: 04/14/22 07:50 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 | | 04/18/22 18:18 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<0.38** | ug/L | 1.0 | 0.38 | 1 | | 04/18/22 18:18 | 79-34-5 | |
| Tetrachloroethene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 18:18 | 127-18-4 | |
| Toluene | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 18:18 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:18 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/18/22 18:18 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:18 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.34** | ug/L | 5.0 | 0.34 | 1 | | 04/18/22 18:18 | 79-00-5 | |
| Trichloroethene | **<0.32** | ug/L | 1.0 | 0.32 | 1 | | 04/18/22 18:18 | 79-01-6 | |
| Trichlorofluoromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:18 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.56** | ug/L | 5.0 | 0.56 | 1 | | 04/18/22 18:18 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 18:18 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:18 | 108-67-8 | |
| Vinyl chloride | **0.36J** | ug/L | 1.0 | 0.17 | 1 | | 04/18/22 18:18 | 75-01-4 | |
| Xylene (Total) | **<1.0** | ug/L | 3.0 | 1.0 | 1 | | 04/18/22 18:18 | 1330-20-7 | |
| m&p-Xylene | **<0.70** | ug/L | 2.0 | 0.70 | 1 | | 04/18/22 18:18 | 179601-23-1 | |
| o-Xylene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:18 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 04/18/22 18:18 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 98 | % | 70-130 | | 1 | | 04/18/22 18:18 | 2199-69-1 | |
| Toluene-d8 (S) | 104 | % | 70-130 | | 1 | | 04/18/22 18:18 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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## ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: MW-6 DUP** **Lab ID: 40243415003** Collected: 04/13/22 08:35 Received: 04/14/22 07:50 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 | | 04/18/22 18:37 | 71-43-2 | |
| Bromobenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:37 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/18/22 18:37 | 74-97-5 | |
| Bromodichloromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:37 | 75-27-4 | |
| Bromoform | **<3.8** | ug/L | 5.0 | 3.8 | 1 | | 04/18/22 18:37 | 75-25-2 | |
| Bromomethane | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 18:37 | 74-83-9 | |
| n-Butylbenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 18:37 | 104-51-8 | |
| sec-Butylbenzene | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:37 | 135-98-8 | |
| tert-Butylbenzene | **<0.59** | ug/L | 1.0 | 0.59 | 1 | | 04/18/22 18:37 | 98-06-6 | |
| Carbon tetrachloride | **<0.37** | ug/L | 1.0 | 0.37 | 1 | | 04/18/22 18:37 | 56-23-5 | |
| Chlorobenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 18:37 | 108-90-7 | |
| Chloroethane | **<1.4** | ug/L | 5.0 | 1.4 | 1 | | 04/18/22 18:37 | 75-00-3 | |
| Chloroform | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 18:37 | 67-66-3 | |
| Chloromethane | **<1.6** | ug/L | 5.0 | 1.6 | 1 | | 04/18/22 18:37 | 74-87-3 | |
| 2-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 18:37 | 95-49-8 | |
| 4-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 18:37 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<2.4** | ug/L | 5.0 | 2.4 | 1 | | 04/18/22 18:37 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 5.0 | 2.6 | 1 | | 04/18/22 18:37 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.31** | ug/L | 1.0 | 0.31 | 1 | | 04/18/22 18:37 | 106-93-4 | |
| Dibromomethane | **<0.99** | ug/L | 5.0 | 0.99 | 1 | | 04/18/22 18:37 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 18:37 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:37 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.89** | ug/L | 1.0 | 0.89 | 1 | | 04/18/22 18:37 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.46** | ug/L | 5.0 | 0.46 | 1 | | 04/18/22 18:37 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:37 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 18:37 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.58** | ug/L | 1.0 | 0.58 | 1 | | 04/18/22 18:37 | 75-35-4 | |
| cis-1,2-Dichloroethene | **1.0J** | ug/L | 1.0 | 0.47 | 1 | | 04/18/22 18:37 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<0.53** | ug/L | 1.0 | 0.53 | 1 | | 04/18/22 18:37 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 18:37 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:37 | 142-28-9 | |
| 2,2-Dichloropropane | **<4.2** | ug/L | 5.0 | 4.2 | 1 | | 04/18/22 18:37 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 18:37 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:37 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<3.5** | ug/L | 5.0 | 3.5 | 1 | | 04/18/22 18:37 | 10061-02-6 | |
| Diisopropyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:37 | 108-20-3 | |
| Ethylbenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 18:37 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<2.7** | ug/L | 5.0 | 2.7 | 1 | | 04/18/22 18:37 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:37 | 98-82-8 | |
| p-Isopropyltoluene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:37 | 99-87-6 | |
| Methylene Chloride | **<0.32** | ug/L | 5.0 | 0.32 | 1 | | 04/18/22 18:37 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:37 | 1634-04-4 | |
| Naphthalene | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:37 | 91-20-3 | |
| n-Propylbenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:37 | 103-65-1 | |
| Styrene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:37 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: MW-6 DUP** **Lab ID: 40243415003** Collected: 04/13/22 08:35 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:37 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<0.38** | ug/L | 1.0 | 0.38 | 1 | | 04/18/22 18:37 | 79-34-5 | |
| Tetrachloroethene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 18:37 | 127-18-4 | |
| Toluene | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 18:37 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:37 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/18/22 18:37 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:37 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.34** | ug/L | 5.0 | 0.34 | 1 | | 04/18/22 18:37 | 79-00-5 | |
| Trichloroethene | **<0.32** | ug/L | 1.0 | 0.32 | 1 | | 04/18/22 18:37 | 79-01-6 | |
| Trichlorofluoromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:37 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.56** | ug/L | 5.0 | 0.56 | 1 | | 04/18/22 18:37 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 18:37 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:37 | 108-67-8 | |
| Vinyl chloride | **0.24J** | ug/L | 1.0 | 0.17 | 1 | | 04/18/22 18:37 | 75-01-4 | |
| Xylene (Total) | **<1.0** | ug/L | 3.0 | 1.0 | 1 | | 04/18/22 18:37 | 1330-20-7 | |
| m&p-Xylene | **<0.70** | ug/L | 2.0 | 0.70 | 1 | | 04/18/22 18:37 | 179601-23-1 | |
| o-Xylene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:37 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 1 | | 04/18/22 18:37 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 70-130 | | 1 | | 04/18/22 18:37 | 2199-69-1 | |
| Toluene-d8 (S) | 102 | % | 70-130 | | 1 | | 04/18/22 18:37 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: PZ-4** **Lab ID: 40243415004** Collected: 04/13/22 09:50 Received: 04/14/22 07:50 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 | | 04/18/22 18:56 | 71-43-2 | |
| Bromobenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:56 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/18/22 18:56 | 74-97-5 | |
| Bromodichloromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:56 | 75-27-4 | |
| Bromoform | **<3.8** | ug/L | 5.0 | 3.8 | 1 | | 04/18/22 18:56 | 75-25-2 | |
| Bromomethane | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 18:56 | 74-83-9 | |
| n-Butylbenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 18:56 | 104-51-8 | |
| sec-Butylbenzene | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:56 | 135-98-8 | |
| tert-Butylbenzene | **<0.59** | ug/L | 1.0 | 0.59 | 1 | | 04/18/22 18:56 | 98-06-6 | |
| Carbon tetrachloride | **<0.37** | ug/L | 1.0 | 0.37 | 1 | | 04/18/22 18:56 | 56-23-5 | |
| Chlorobenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 18:56 | 108-90-7 | |
| Chloroethane | **<1.4** | ug/L | 5.0 | 1.4 | 1 | | 04/18/22 18:56 | 75-00-3 | |
| Chloroform | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 18:56 | 67-66-3 | |
| Chloromethane | **<1.6** | ug/L | 5.0 | 1.6 | 1 | | 04/18/22 18:56 | 74-87-3 | |
| 2-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 18:56 | 95-49-8 | |
| 4-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 18:56 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<2.4** | ug/L | 5.0 | 2.4 | 1 | | 04/18/22 18:56 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 5.0 | 2.6 | 1 | | 04/18/22 18:56 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.31** | ug/L | 1.0 | 0.31 | 1 | | 04/18/22 18:56 | 106-93-4 | |
| Dibromomethane | **<0.99** | ug/L | 5.0 | 0.99 | 1 | | 04/18/22 18:56 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 18:56 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:56 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.89** | ug/L | 1.0 | 0.89 | 1 | | 04/18/22 18:56 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.46** | ug/L | 5.0 | 0.46 | 1 | | 04/18/22 18:56 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:56 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 18:56 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.58** | ug/L | 1.0 | 0.58 | 1 | | 04/18/22 18:56 | 75-35-4 | |
| cis-1,2-Dichloroethene | **<0.47** | ug/L | 1.0 | 0.47 | 1 | | 04/18/22 18:56 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<0.53** | ug/L | 1.0 | 0.53 | 1 | | 04/18/22 18:56 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 18:56 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:56 | 142-28-9 | |
| 2,2-Dichloropropane | **<4.2** | ug/L | 5.0 | 4.2 | 1 | | 04/18/22 18:56 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 18:56 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:56 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<3.5** | ug/L | 5.0 | 3.5 | 1 | | 04/18/22 18:56 | 10061-02-6 | |
| Diisopropyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:56 | 108-20-3 | |
| Ethylbenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 18:56 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<2.7** | ug/L | 5.0 | 2.7 | 1 | | 04/18/22 18:56 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:56 | 98-82-8 | |
| p-Isopropyltoluene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:56 | 99-87-6 | |
| Methylene Chloride | **<0.32** | ug/L | 5.0 | 0.32 | 1 | | 04/18/22 18:56 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:56 | 1634-04-4 | |
| Naphthalene | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 18:56 | 91-20-3 | |
| n-Propylbenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:56 | 103-65-1 | |
| Styrene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:56 | 100-42-5 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: PZ-4** **Lab ID: 40243415004** Collected: 04/13/22 09:50 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:56 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<0.38** | ug/L | 1.0 | 0.38 | 1 | | 04/18/22 18:56 | 79-34-5 | |
| Tetrachloroethene | **0.45J** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 18:56 | 127-18-4 | |
| Toluene | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 18:56 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 18:56 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/18/22 18:56 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 18:56 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.34** | ug/L | 5.0 | 0.34 | 1 | | 04/18/22 18:56 | 79-00-5 | |
| Trichloroethene | **<0.32** | ug/L | 1.0 | 0.32 | 1 | | 04/18/22 18:56 | 79-01-6 | |
| Trichlorofluoromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 18:56 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.56** | ug/L | 5.0 | 0.56 | 1 | | 04/18/22 18:56 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 18:56 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 18:56 | 108-67-8 | |
| Vinyl chloride | **3.3** | ug/L | 1.0 | 0.17 | 1 | | 04/18/22 18:56 | 75-01-4 | |
| Xylene (Total) | **<1.0** | ug/L | 3.0 | 1.0 | 1 | | 04/18/22 18:56 | 1330-20-7 | |
| m&p-Xylene | **<0.70** | ug/L | 2.0 | 0.70 | 1 | | 04/18/22 18:56 | 179601-23-1 | |
| o-Xylene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 18:56 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | % | 70-130 | | 1 | | 04/18/22 18:56 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 70-130 | | 1 | | 04/18/22 18:56 | 2199-69-1 | |
| Toluene-d8 (S) | 104 | % | 70-130 | | 1 | | 04/18/22 18:56 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: MW-5** **Lab ID: 40243415005** Collected: 04/13/22 10:25 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| Benzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 19:16 | 71-43-2 | |
| Bromobenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:16 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/18/22 19:16 | 74-97-5 | |
| Bromodichloromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 19:16 | 75-27-4 | |
| Bromoform | **<3.8** | ug/L | 5.0 | 3.8 | 1 | | 04/18/22 19:16 | 75-25-2 | |
| Bromomethane | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 19:16 | 74-83-9 | |
| n-Butylbenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 19:16 | 104-51-8 | |
| sec-Butylbenzene | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 19:16 | 135-98-8 | |
| tert-Butylbenzene | **<0.59** | ug/L | 1.0 | 0.59 | 1 | | 04/18/22 19:16 | 98-06-6 | |
| Carbon tetrachloride | **<0.37** | ug/L | 1.0 | 0.37 | 1 | | 04/18/22 19:16 | 56-23-5 | |
| Chlorobenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 19:16 | 108-90-7 | |
| Chloroethane | **<1.4** | ug/L | 5.0 | 1.4 | 1 | | 04/18/22 19:16 | 75-00-3 | |
| Chloroform | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 19:16 | 67-66-3 | |
| Chloromethane | **<1.6** | ug/L | 5.0 | 1.6 | 1 | | 04/18/22 19:16 | 74-87-3 | |
| 2-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 19:16 | 95-49-8 | |
| 4-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 19:16 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<2.4** | ug/L | 5.0 | 2.4 | 1 | | 04/18/22 19:16 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 5.0 | 2.6 | 1 | | 04/18/22 19:16 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.31** | ug/L | 1.0 | 0.31 | 1 | | 04/18/22 19:16 | 106-93-4 | |
| Dibromomethane | **<0.99** | ug/L | 5.0 | 0.99 | 1 | | 04/18/22 19:16 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 19:16 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 19:16 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.89** | ug/L | 1.0 | 0.89 | 1 | | 04/18/22 19:16 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.46** | ug/L | 5.0 | 0.46 | 1 | | 04/18/22 19:16 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 19:16 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 19:16 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.58** | ug/L | 1.0 | 0.58 | 1 | | 04/18/22 19:16 | 75-35-4 | |
| cis-1,2-Dichloroethene | **47.8** | ug/L | 1.0 | 0.47 | 1 | | 04/18/22 19:16 | 156-59-2 | |
| trans-1,2-Dichloroethene | **0.93J** | ug/L | 1.0 | 0.53 | 1 | | 04/18/22 19:16 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 19:16 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 19:16 | 142-28-9 | |
| 2,2-Dichloropropane | **<4.2** | ug/L | 5.0 | 4.2 | 1 | | 04/18/22 19:16 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 19:16 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:16 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<3.5** | ug/L | 5.0 | 3.5 | 1 | | 04/18/22 19:16 | 10061-02-6 | |
| Diisopropyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 19:16 | 108-20-3 | |
| Ethylbenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 19:16 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<2.7** | ug/L | 5.0 | 2.7 | 1 | | 04/18/22 19:16 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 19:16 | 98-82-8 | |
| p-Isopropyltoluene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 19:16 | 99-87-6 | |
| Methylene Chloride | **<0.32** | ug/L | 5.0 | 0.32 | 1 | | 04/18/22 19:16 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 19:16 | 1634-04-4 | |
| Naphthalene | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 19:16 | 91-20-3 | |
| n-Propylbenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 19:16 | 103-65-1 | |
| Styrene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:16 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: MW-5** **Lab ID: 40243415005** Collected: 04/13/22 10:25 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:16 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<0.38** | ug/L | 1.0 | 0.38 | 1 | | 04/18/22 19:16 | 79-34-5 | |
| Tetrachloroethene | **18.0** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 19:16 | 127-18-4 | |
| Toluene | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 19:16 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 19:16 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/18/22 19:16 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 19:16 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.34** | ug/L | 5.0 | 0.34 | 1 | | 04/18/22 19:16 | 79-00-5 | |
| Trichloroethene | **3.7** | ug/L | 1.0 | 0.32 | 1 | | 04/18/22 19:16 | 79-01-6 | |
| Trichlorofluoromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 19:16 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.56** | ug/L | 5.0 | 0.56 | 1 | | 04/18/22 19:16 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 19:16 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:16 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/18/22 19:16 | 75-01-4 | |
| Xylene (Total) | **<1.0** | ug/L | 3.0 | 1.0 | 1 | | 04/18/22 19:16 | 1330-20-7 | |
| m&p-Xylene | **<0.70** | ug/L | 2.0 | 0.70 | 1 | | 04/18/22 19:16 | 179601-23-1 | |
| o-Xylene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 19:16 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 04/18/22 19:16 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 98 | % | 70-130 | | 1 | | 04/18/22 19:16 | 2199-69-1 | |
| Toluene-d8 (S) | 103 | % | 70-130 | | 1 | | 04/18/22 19:16 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: MW-4** **Lab ID: 40243415006** Collected: 04/13/22 11:15 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| Benzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 19:35 | 71-43-2 | |
| Bromobenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:35 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/18/22 19:35 | 74-97-5 | |
| Bromodichloromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 19:35 | 75-27-4 | |
| Bromoform | **<3.8** | ug/L | 5.0 | 3.8 | 1 | | 04/18/22 19:35 | 75-25-2 | |
| Bromomethane | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 19:35 | 74-83-9 | |
| n-Butylbenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 19:35 | 104-51-8 | |
| sec-Butylbenzene | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 19:35 | 135-98-8 | |
| tert-Butylbenzene | **<0.59** | ug/L | 1.0 | 0.59 | 1 | | 04/18/22 19:35 | 98-06-6 | |
| Carbon tetrachloride | **<0.37** | ug/L | 1.0 | 0.37 | 1 | | 04/18/22 19:35 | 56-23-5 | |
| Chlorobenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 19:35 | 108-90-7 | |
| Chloroethane | **<1.4** | ug/L | 5.0 | 1.4 | 1 | | 04/18/22 19:35 | 75-00-3 | |
| Chloroform | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 19:35 | 67-66-3 | |
| Chloromethane | **<1.6** | ug/L | 5.0 | 1.6 | 1 | | 04/18/22 19:35 | 74-87-3 | |
| 2-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 19:35 | 95-49-8 | |
| 4-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 19:35 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<2.4** | ug/L | 5.0 | 2.4 | 1 | | 04/18/22 19:35 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 5.0 | 2.6 | 1 | | 04/18/22 19:35 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.31** | ug/L | 1.0 | 0.31 | 1 | | 04/18/22 19:35 | 106-93-4 | |
| Dibromomethane | **<0.99** | ug/L | 5.0 | 0.99 | 1 | | 04/18/22 19:35 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 19:35 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 19:35 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.89** | ug/L | 1.0 | 0.89 | 1 | | 04/18/22 19:35 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.46** | ug/L | 5.0 | 0.46 | 1 | | 04/18/22 19:35 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 19:35 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 19:35 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.58** | ug/L | 1.0 | 0.58 | 1 | | 04/18/22 19:35 | 75-35-4 | |
| cis-1,2-Dichloroethene | **<0.47** | ug/L | 1.0 | 0.47 | 1 | | 04/18/22 19:35 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<0.53** | ug/L | 1.0 | 0.53 | 1 | | 04/18/22 19:35 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 19:35 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 19:35 | 142-28-9 | |
| 2,2-Dichloropropane | **<4.2** | ug/L | 5.0 | 4.2 | 1 | | 04/18/22 19:35 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 19:35 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:35 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<3.5** | ug/L | 5.0 | 3.5 | 1 | | 04/18/22 19:35 | 10061-02-6 | |
| Diisopropyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 19:35 | 108-20-3 | |
| Ethylbenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 19:35 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<2.7** | ug/L | 5.0 | 2.7 | 1 | | 04/18/22 19:35 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 19:35 | 98-82-8 | |
| p-Isopropyltoluene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 19:35 | 99-87-6 | |
| Methylene Chloride | **<0.32** | ug/L | 5.0 | 0.32 | 1 | | 04/18/22 19:35 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 19:35 | 1634-04-4 | |
| Naphthalene | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 19:35 | 91-20-3 | |
| n-Propylbenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 19:35 | 103-65-1 | |
| Styrene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:35 | 100-42-5 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: MW-4** **Lab ID: 40243415006** Collected: 04/13/22 11:15 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:35 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<0.38** | ug/L | 1.0 | 0.38 | 1 | | 04/18/22 19:35 | 79-34-5 | |
| Tetrachloroethene | **13.7** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 19:35 | 127-18-4 | |
| Toluene | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 19:35 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 19:35 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/18/22 19:35 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 19:35 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.34** | ug/L | 5.0 | 0.34 | 1 | | 04/18/22 19:35 | 79-00-5 | |
| Trichloroethene | **<0.32** | ug/L | 1.0 | 0.32 | 1 | | 04/18/22 19:35 | 79-01-6 | |
| Trichlorofluoromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 19:35 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.56** | ug/L | 5.0 | 0.56 | 1 | | 04/18/22 19:35 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 19:35 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 19:35 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/18/22 19:35 | 75-01-4 | |
| Xylene (Total) | **<1.0** | ug/L | 3.0 | 1.0 | 1 | | 04/18/22 19:35 | 1330-20-7 | |
| m&p-Xylene | **<0.70** | ug/L | 2.0 | 0.70 | 1 | | 04/18/22 19:35 | 179601-23-1 | |
| o-Xylene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 19:35 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | % | 70-130 | | 1 | | 04/18/22 19:35 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 70-130 | | 1 | | 04/18/22 19:35 | 2199-69-1 | |
| Toluene-d8 (S) | 103 | % | 70-130 | | 1 | | 04/18/22 19:35 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: PZ-1R** **Lab ID: 40243415007** Collected: 04/13/22 12:45 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Methane, Ethane, Ethene GCV** | Analytical Method: EPA 8015B Modified<br>Pace Analytical Services - Green Bay | | | | | | | | |
| Ethane | **683** | ug/L | 224 | 15.7 | 40 | | 04/22/22 11:28 | 74-84-0 | |
| Ethene | **3570** | ug/L | 200 | 10.1 | 40 | | 04/22/22 11:28 | 74-85-1 | |
| Methane | **5650** | ug/L | 112 | 23.0 | 40 | | 04/22/22 11:28 | 74-82-8 | |
| **6020B MET ICPMS** | Analytical Method: EPA 6020B Preparation Method: EPA 3010A<br>Pace Analytical Services - Green Bay | | | | | | | | |
| Iron | **3740** | ug/L | 250 | 58.0 | 1 | 04/22/22 06:16 | 04/23/22 10:09 | 7439-89-6 | |
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| Benzene | **<148** | ug/L | 500 | 148 | 500 | | 04/18/22 23:27 | 71-43-2 | |
| Bromobenzene | **<180** | ug/L | 500 | 180 | 500 | | 04/18/22 23:27 | 108-86-1 | |
| Bromochloromethane | **<179** | ug/L | 2500 | 179 | 500 | | 04/18/22 23:27 | 74-97-5 | |
| Bromodichloromethane | **<208** | ug/L | 500 | 208 | 500 | | 04/18/22 23:27 | 75-27-4 | |
| Bromoform | **<1900** | ug/L | 2500 | 1900 | 500 | | 04/18/22 23:27 | 75-25-2 | |
| Bromomethane | **<596** | ug/L | 2500 | 596 | 500 | | 04/18/22 23:27 | 74-83-9 | |
| n-Butylbenzene | **<429** | ug/L | 500 | 429 | 500 | | 04/18/22 23:27 | 104-51-8 | |
| sec-Butylbenzene | **<212** | ug/L | 500 | 212 | 500 | | 04/18/22 23:27 | 135-98-8 | |
| tert-Butylbenzene | **<293** | ug/L | 500 | 293 | 500 | | 04/18/22 23:27 | 98-06-6 | |
| Carbon tetrachloride | **<185** | ug/L | 500 | 185 | 500 | | 04/18/22 23:27 | 56-23-5 | |
| Chlorobenzene | **<428** | ug/L | 500 | 428 | 500 | | 04/18/22 23:27 | 108-90-7 | |
| Chloroethane | **<690** | ug/L | 2500 | 690 | 500 | | 04/18/22 23:27 | 75-00-3 | |
| Chloroform | **<591** | ug/L | 2500 | 591 | 500 | | 04/18/22 23:27 | 67-66-3 | |
| Chloromethane | **<818** | ug/L | 2500 | 818 | 500 | | 04/18/22 23:27 | 74-87-3 | |
| 2-Chlorotoluene | **<445** | ug/L | 2500 | 445 | 500 | | 04/18/22 23:27 | 95-49-8 | |
| 4-Chlorotoluene | **<447** | ug/L | 2500 | 447 | 500 | | 04/18/22 23:27 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<1180** | ug/L | 2500 | 1180 | 500 | | 04/18/22 23:27 | 96-12-8 | |
| Dibromochloromethane | **<1320** | ug/L | 2500 | 1320 | 500 | | 04/18/22 23:27 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<155** | ug/L | 500 | 155 | 500 | | 04/18/22 23:27 | 106-93-4 | |
| Dibromomethane | **<495** | ug/L | 2500 | 495 | 500 | | 04/18/22 23:27 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<163** | ug/L | 500 | 163 | 500 | | 04/18/22 23:27 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<176** | ug/L | 500 | 176 | 500 | | 04/18/22 23:27 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<446** | ug/L | 500 | 446 | 500 | | 04/18/22 23:27 | 106-46-7 | |
| Dichlorodifluoromethane | **<228** | ug/L | 2500 | 228 | 500 | | 04/18/22 23:27 | 75-71-8 | |
| 1,1-Dichloroethane | **<148** | ug/L | 500 | 148 | 500 | | 04/18/22 23:27 | 75-34-3 | |
| 1,2-Dichloroethane | **<146** | ug/L | 500 | 146 | 500 | | 04/18/22 23:27 | 107-06-2 | |
| 1,1-Dichloroethene | **<291** | ug/L | 500 | 291 | 500 | | 04/18/22 23:27 | 75-35-4 | |
| cis-1,2-Dichloroethene | **47800** | ug/L | 500 | 236 | 500 | | 04/18/22 23:27 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<264** | ug/L | 500 | 264 | 500 | | 04/18/22 23:27 | 156-60-5 | |
| 1,2-Dichloropropane | **<224** | ug/L | 500 | 224 | 500 | | 04/18/22 23:27 | 78-87-5 | |
| 1,3-Dichloropropane | **<152** | ug/L | 500 | 152 | 500 | | 04/18/22 23:27 | 142-28-9 | |
| 2,2-Dichloropropane | **<2090** | ug/L | 2500 | 2090 | 500 | | 04/18/22 23:27 | 594-20-7 | |
| 1,1-Dichloropropene | **<205** | ug/L | 500 | 205 | 500 | | 04/18/22 23:27 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<179** | ug/L | 500 | 179 | 500 | | 04/18/22 23:27 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<1730** | ug/L | 2500 | 1730 | 500 | | 04/18/22 23:27 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: PZ-1R** **Lab ID: 40243415007** Collected: 04/13/22 12:45 Received: 04/14/22 07:50 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 | | 04/18/22 23:27 | 108-20-3 | |
| Ethylbenzene | **<163** | ug/L | 500 | 163 | 500 | | 04/18/22 23:27 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<1370** | ug/L | 2500 | 1370 | 500 | | 04/18/22 23:27 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<500** | ug/L | 2500 | 500 | 500 | | 04/18/22 23:27 | 98-82-8 | |
| p-Isopropyltoluene | **<522** | ug/L | 2500 | 522 | 500 | | 04/18/22 23:27 | 99-87-6 | |
| Methylene Chloride | **<160** | ug/L | 2500 | 160 | 500 | | 04/18/22 23:27 | 75-09-2 | |
| Methyl-tert-butyl ether | **<565** | ug/L | 2500 | 565 | 500 | | 04/18/22 23:27 | 1634-04-4 | |
| Naphthalene | **<565** | ug/L | 2500 | 565 | 500 | | 04/18/22 23:27 | 91-20-3 | |
| n-Propylbenzene | **<173** | ug/L | 500 | 173 | 500 | | 04/18/22 23:27 | 103-65-1 | |
| Styrene | **<178** | ug/L | 500 | 178 | 500 | | 04/18/22 23:27 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | **<178** | ug/L | 500 | 178 | 500 | | 04/18/22 23:27 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<189** | ug/L | 500 | 189 | 500 | | 04/18/22 23:27 | 79-34-5 | |
| Tetrachloroethene | **64600** | ug/L | 500 | 204 | 500 | | 04/18/22 23:27 | 127-18-4 | |
| Toluene | **<144** | ug/L | 500 | 144 | 500 | | 04/18/22 23:27 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<509** | ug/L | 2500 | 509 | 500 | | 04/18/22 23:27 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<475** | ug/L | 2500 | 475 | 500 | | 04/18/22 23:27 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<151** | ug/L | 500 | 151 | 500 | | 04/18/22 23:27 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<172** | ug/L | 2500 | 172 | 500 | | 04/18/22 23:27 | 79-00-5 | |
| Trichloroethene | **11800** | ug/L | 500 | 160 | 500 | | 04/18/22 23:27 | 79-01-6 | |
| Trichlorofluoromethane | **<209** | ug/L | 500 | 209 | 500 | | 04/18/22 23:27 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<278** | ug/L | 2500 | 278 | 500 | | 04/18/22 23:27 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<224** | ug/L | 500 | 224 | 500 | | 04/18/22 23:27 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<179** | ug/L | 500 | 179 | 500 | | 04/18/22 23:27 | 108-67-8 | |
| Vinyl chloride | **12300** | ug/L | 500 | 87.2 | 500 | | 04/18/22 23:27 | 75-01-4 | |
| Xylene (Total) | **<524** | ug/L | 1500 | 524 | 500 | | 04/18/22 23:27 | 1330-20-7 | |
| m&p-Xylene | **<350** | ug/L | 1000 | 350 | 500 | | 04/18/22 23:27 | 179601-23-1 | |
| o-Xylene | **<174** | ug/L | 500 | 174 | 500 | | 04/18/22 23:27 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 70-130 | | 500 | | 04/18/22 23:27 | 460-00-4 | pH |
| 1,2-Dichlorobenzene-d4 (S) | 99 | % | 70-130 | | 500 | | 04/18/22 23:27 | 2199-69-1 | |
| Toluene-d8 (S) | 104 | % | 70-130 | | 500 | | 04/18/22 23:27 | 2037-26-5 | |
| **Iron, Ferric Calculation** | Analytical Method: HACH 8146 | | | | | | | | |
| | Pace Analytical Services - Green Bay | | | | | | | | |
| Iron, Ferric | **<58.0** | ug/L | 250 | 58.0 | 1 | | 04/26/22 10:06 | 20074-52-6 | |
| **300.0 IC Anions** | Analytical Method: EPA 300.0 | | | | | | | | |
| | Pace Analytical Services - Green Bay | | | | | | | | |
| Sulfate | **66.2** | mg/L | 10.0 | 2.2 | 5 | | 04/21/22 14:10 | 14808-79-8 | |
| **5310C TOC** | Analytical Method: SM 5310C | | | | | | | | |
| | Pace Analytical Services - Green Bay | | | | | | | | |
| Total Organic Carbon | **240** | mg/L | 15.0 | 4.2 | 30 | | 04/20/22 10:55 | 7440-44-0 | |

## REPORT OF LABORATORY ANALYSIS

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

## ANALYTICAL RESULTS

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: TRIP BLANK** **Lab ID: 40243415008** Collected: 04/13/22 00:00 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| Benzene | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 17:20 | 71-43-2 | |
| Bromobenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:20 | 108-86-1 | |
| Bromochloromethane | **<0.36** | ug/L | 5.0 | 0.36 | 1 | | 04/18/22 17:20 | 74-97-5 | |
| Bromodichloromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 17:20 | 75-27-4 | |
| Bromoform | **<3.8** | ug/L | 5.0 | 3.8 | 1 | | 04/18/22 17:20 | 75-25-2 | |
| Bromomethane | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 17:20 | 74-83-9 | |
| n-Butylbenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 17:20 | 104-51-8 | |
| sec-Butylbenzene | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 17:20 | 135-98-8 | |
| tert-Butylbenzene | **<0.59** | ug/L | 1.0 | 0.59 | 1 | | 04/18/22 17:20 | 98-06-6 | |
| Carbon tetrachloride | **<0.37** | ug/L | 1.0 | 0.37 | 1 | | 04/18/22 17:20 | 56-23-5 | |
| Chlorobenzene | **<0.86** | ug/L | 1.0 | 0.86 | 1 | | 04/18/22 17:20 | 108-90-7 | |
| Chloroethane | **<1.4** | ug/L | 5.0 | 1.4 | 1 | | 04/18/22 17:20 | 75-00-3 | |
| Chloroform | **<1.2** | ug/L | 5.0 | 1.2 | 1 | | 04/18/22 17:20 | 67-66-3 | |
| Chloromethane | **<1.6** | ug/L | 5.0 | 1.6 | 1 | | 04/18/22 17:20 | 74-87-3 | |
| 2-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 17:20 | 95-49-8 | |
| 4-Chlorotoluene | **<0.89** | ug/L | 5.0 | 0.89 | 1 | | 04/18/22 17:20 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | **<2.4** | ug/L | 5.0 | 2.4 | 1 | | 04/18/22 17:20 | 96-12-8 | |
| Dibromochloromethane | **<2.6** | ug/L | 5.0 | 2.6 | 1 | | 04/18/22 17:20 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | **<0.31** | ug/L | 1.0 | 0.31 | 1 | | 04/18/22 17:20 | 106-93-4 | |
| Dibromomethane | **<0.99** | ug/L | 5.0 | 0.99 | 1 | | 04/18/22 17:20 | 74-95-3 | |
| 1,2-Dichlorobenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 17:20 | 95-50-1 | |
| 1,3-Dichlorobenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 17:20 | 541-73-1 | |
| 1,4-Dichlorobenzene | **<0.89** | ug/L | 1.0 | 0.89 | 1 | | 04/18/22 17:20 | 106-46-7 | |
| Dichlorodifluoromethane | **<0.46** | ug/L | 5.0 | 0.46 | 1 | | 04/18/22 17:20 | 75-71-8 | |
| 1,1-Dichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 17:20 | 75-34-3 | |
| 1,2-Dichloroethane | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 17:20 | 107-06-2 | |
| 1,1-Dichloroethene | **<0.58** | ug/L | 1.0 | 0.58 | 1 | | 04/18/22 17:20 | 75-35-4 | |
| cis-1,2-Dichloroethene | **<0.47** | ug/L | 1.0 | 0.47 | 1 | | 04/18/22 17:20 | 156-59-2 | |
| trans-1,2-Dichloroethene | **<0.53** | ug/L | 1.0 | 0.53 | 1 | | 04/18/22 17:20 | 156-60-5 | |
| 1,2-Dichloropropane | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 17:20 | 78-87-5 | |
| 1,3-Dichloropropane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 17:20 | 142-28-9 | |
| 2,2-Dichloropropane | **<4.2** | ug/L | 5.0 | 4.2 | 1 | | 04/18/22 17:20 | 594-20-7 | |
| 1,1-Dichloropropene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 17:20 | 563-58-6 | |
| cis-1,3-Dichloropropene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:20 | 10061-01-5 | |
| trans-1,3-Dichloropropene | **<3.5** | ug/L | 5.0 | 3.5 | 1 | | 04/18/22 17:20 | 10061-02-6 | |
| Diisopropyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 17:20 | 108-20-3 | |
| Ethylbenzene | **<0.33** | ug/L | 1.0 | 0.33 | 1 | | 04/18/22 17:20 | 100-41-4 | |
| Hexachloro-1,3-butadiene | **<2.7** | ug/L | 5.0 | 2.7 | 1 | | 04/18/22 17:20 | 87-68-3 | |
| Isopropylbenzene (Cumene) | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 17:20 | 98-82-8 | |
| p-Isopropyltoluene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 17:20 | 99-87-6 | |
| Methylene Chloride | **<0.32** | ug/L | 5.0 | 0.32 | 1 | | 04/18/22 17:20 | 75-09-2 | |
| Methyl-tert-butyl ether | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 17:20 | 1634-04-4 | |
| Naphthalene | **<1.1** | ug/L | 5.0 | 1.1 | 1 | | 04/18/22 17:20 | 91-20-3 | |
| n-Propylbenzene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 17:20 | 103-65-1 | |
| Styrene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:20 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

**Sample: TRIP BLANK** **Lab ID: 40243415008** Collected: 04/13/22 00:00 Received: 04/14/22 07:50 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8260 MSV** | Analytical Method: EPA 8260<br>Pace Analytical Services - Green Bay | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:20 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | **<0.38** | ug/L | 1.0 | 0.38 | 1 | | 04/18/22 17:20 | 79-34-5 | |
| Tetrachloroethene | **<0.41** | ug/L | 1.0 | 0.41 | 1 | | 04/18/22 17:20 | 127-18-4 | |
| Toluene | **<0.29** | ug/L | 1.0 | 0.29 | 1 | | 04/18/22 17:20 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | **<1.0** | ug/L | 5.0 | 1.0 | 1 | | 04/18/22 17:20 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | **<0.95** | ug/L | 5.0 | 0.95 | 1 | | 04/18/22 17:20 | 120-82-1 | |
| 1,1,1-Trichloroethane | **<0.30** | ug/L | 1.0 | 0.30 | 1 | | 04/18/22 17:20 | 71-55-6 | |
| 1,1,2-Trichloroethane | **<0.34** | ug/L | 5.0 | 0.34 | 1 | | 04/18/22 17:20 | 79-00-5 | |
| Trichloroethene | **<0.32** | ug/L | 1.0 | 0.32 | 1 | | 04/18/22 17:20 | 79-01-6 | |
| Trichlorofluoromethane | **<0.42** | ug/L | 1.0 | 0.42 | 1 | | 04/18/22 17:20 | 75-69-4 | |
| 1,2,3-Trichloropropane | **<0.56** | ug/L | 5.0 | 0.56 | 1 | | 04/18/22 17:20 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | **<0.45** | ug/L | 1.0 | 0.45 | 1 | | 04/18/22 17:20 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | **<0.36** | ug/L | 1.0 | 0.36 | 1 | | 04/18/22 17:20 | 108-67-8 | |
| Vinyl chloride | **<0.17** | ug/L | 1.0 | 0.17 | 1 | | 04/18/22 17:20 | 75-01-4 | |
| Xylene (Total) | **<1.0** | ug/L | 3.0 | 1.0 | 1 | | 04/18/22 17:20 | 1330-20-7 | |
| m&p-Xylene | **<0.70** | ug/L | 2.0 | 0.70 | 1 | | 04/18/22 17:20 | 179601-23-1 | |
| o-Xylene | **<0.35** | ug/L | 1.0 | 0.35 | 1 | | 04/18/22 17:20 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 70-130 | | 1 | | 04/18/22 17:20 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 96 | % | 70-130 | | 1 | | 04/18/22 17:20 | 2199-69-1 | |
| Toluene-d8 (S) | 107 | % | 70-130 | | 1 | | 04/18/22 17:20 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

QC Batch: 413855
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: 40243415007

METHOD BLANK: 2382919 Matrix: Water
Associated Lab Samples: 40243415007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Ethane | ug/L | <0.39 | 5.6 | 04/22/22 07:50 | |
| Ethene | ug/L | <0.25 | 5.0 | 04/22/22 07:50 | |
| Methane | ug/L | <0.58 | 2.8 | 04/22/22 07:50 | |

LABORATORY CONTROL SAMPLE & LCSD: 2382920 2382921

| Parameter | Units | Spike Conc. | LCS Result | LCSD Result | LCS % Rec | LCSD % Rec | % Rec Limits | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Ethane | ug/L | 53.6 | 55.7 | 55.4 | 104 | 103 | 74-120 | 1 | 20 | |
| Ethene | ug/L | 50 | 52.2 | 52.0 | 104 | 104 | 71-122 | 0 | 20 | |
| Methane | ug/L | 28.6 | 30.1 | 30.1 | 105 | 105 | 73-120 | 0 | 20 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2383154 2383155

| Parameter | Units | 40243383004 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ethane | ug/L | <0.39 | 53.6 | 53.6 | 54.7 | 54.5 | 102 | 102 | 70-120 | 0 | 20 | |
| Ethene | ug/L | <0.25 | 50 | 50 | 51.8 | 51.5 | 104 | 103 | 68-122 | 1 | 20 | |
| Methane | ug/L | <0.58 | 28.6 | 28.6 | 29.4 | 28.9 | 103 | 101 | 10-200 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

QC Batch: 413844
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243415007

METHOD BLANK: 2382890 Matrix: Water
Associated Lab Samples: 40243415007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Iron | ug/L | <58.0 | 250 | 04/23/22 09:47 | |

LABORATORY CONTROL SAMPLE: 2382891

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Iron | ug/L | 10000 | 10300 | 103 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2382892 2382893

| Parameter | Units | 40243415007 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Iron | ug/L | 3740 | 10000 | 10000 | 13500 | 13800 | 97 | 101 | 75-125 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

QC Batch: 413258
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243415001, 40243415002, 40243415003, 40243415004, 40243415005, 40243415006, 40243415007, 40243415008

METHOD BLANK: 2379634
Matrix: Water
Associated Lab Samples: 40243415001, 40243415002, 40243415003, 40243415004, 40243415005, 40243415006, 40243415007, 40243415008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ug/L | <0.36 | 1.0 | 04/18/22 15:43 | |
| 1,1,1-Trichloroethane | ug/L | <0.30 | 1.0 | 04/18/22 15:43 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.38 | 1.0 | 04/18/22 15:43 | |
| 1,1,2-Trichloroethane | ug/L | <0.34 | 5.0 | 04/18/22 15:43 | |
| 1,1-Dichloroethane | ug/L | <0.30 | 1.0 | 04/18/22 15:43 | |
| 1,1-Dichloroethene | ug/L | <0.58 | 1.0 | 04/18/22 15:43 | |
| 1,1-Dichloropropene | ug/L | <0.41 | 1.0 | 04/18/22 15:43 | |
| 1,2,3-Trichlorobenzene | ug/L | <1.0 | 5.0 | 04/18/22 15:43 | |
| 1,2,3-Trichloropropane | ug/L | <0.56 | 5.0 | 04/18/22 15:43 | |
| 1,2,4-Trichlorobenzene | ug/L | <0.95 | 5.0 | 04/18/22 15:43 | |
| 1,2,4-Trimethylbenzene | ug/L | <0.45 | 1.0 | 04/18/22 15:43 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.4 | 5.0 | 04/18/22 15:43 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.31 | 1.0 | 04/18/22 15:43 | |
| 1,2-Dichlorobenzene | ug/L | <0.33 | 1.0 | 04/18/22 15:43 | |
| 1,2-Dichloroethane | ug/L | <0.29 | 1.0 | 04/18/22 15:43 | |
| 1,2-Dichloropropane | ug/L | <0.45 | 1.0 | 04/18/22 15:43 | |
| 1,3,5-Trimethylbenzene | ug/L | <0.36 | 1.0 | 04/18/22 15:43 | |
| 1,3-Dichlorobenzene | ug/L | <0.35 | 1.0 | 04/18/22 15:43 | |
| 1,3-Dichloropropane | ug/L | <0.30 | 1.0 | 04/18/22 15:43 | |
| 1,4-Dichlorobenzene | ug/L | <0.89 | 1.0 | 04/18/22 15:43 | |
| 2,2-Dichloropropane | ug/L | <4.2 | 5.0 | 04/18/22 15:43 | |
| 2-Chlorotoluene | ug/L | <0.89 | 5.0 | 04/18/22 15:43 | |
| 4-Chlorotoluene | ug/L | <0.89 | 5.0 | 04/18/22 15:43 | |
| Benzene | ug/L | <0.30 | 1.0 | 04/18/22 15:43 | |
| Bromobenzene | ug/L | <0.36 | 1.0 | 04/18/22 15:43 | |
| Bromochloromethane | ug/L | <0.36 | 5.0 | 04/18/22 15:43 | |
| Bromodichloromethane | ug/L | <0.42 | 1.0 | 04/18/22 15:43 | |
| Bromoform | ug/L | <3.8 | 5.0 | 04/18/22 15:43 | |
| Bromomethane | ug/L | <1.2 | 5.0 | 04/18/22 15:43 | |
| Carbon tetrachloride | ug/L | <0.37 | 1.0 | 04/18/22 15:43 | |
| Chlorobenzene | ug/L | <0.86 | 1.0 | 04/18/22 15:43 | |
| Chloroethane | ug/L | <1.4 | 5.0 | 04/18/22 15:43 | |
| Chloroform | ug/L | <1.2 | 5.0 | 04/18/22 15:43 | |
| Chloromethane | ug/L | <1.6 | 5.0 | 04/18/22 15:43 | |
| cis-1,2-Dichloroethene | ug/L | <0.47 | 1.0 | 04/18/22 15:43 | |
| cis-1,3-Dichloropropene | ug/L | <0.36 | 1.0 | 04/18/22 15:43 | |
| Dibromochloromethane | ug/L | <2.6 | 5.0 | 04/18/22 15:43 | |
| Dibromomethane | ug/L | <0.99 | 5.0 | 04/18/22 15:43 | |
| Dichlorodifluoromethane | ug/L | <0.46 | 5.0 | 04/18/22 15:43 | |

**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 ONE-HOUR VALET
Pace Project No.: 40243415

METHOD BLANK: 2379634 Matrix: Water

Associated Lab Samples: 40243415001, 40243415002, 40243415003, 40243415004, 40243415005, 40243415006, 40243415007, 40243415008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Diisopropyl ether | ug/L | <1.1 | 5.0 | 04/18/22 15:43 | |
| Ethylbenzene | ug/L | <0.33 | 1.0 | 04/18/22 15:43 | |
| Hexachloro-1,3-butadiene | ug/L | <2.7 | 5.0 | 04/18/22 15:43 | |
| Isopropylbenzene (Cumene) | ug/L | <1.0 | 5.0 | 04/18/22 15:43 | |
| m&p-Xylene | ug/L | <0.70 | 2.0 | 04/18/22 15:43 | |
| Methyl-tert-butyl ether | ug/L | <1.1 | 5.0 | 04/18/22 15:43 | |
| Methylene Chloride | ug/L | <0.32 | 5.0 | 04/18/22 15:43 | |
| n-Butylbenzene | ug/L | <0.86 | 1.0 | 04/18/22 15:43 | |
| n-Propylbenzene | ug/L | <0.35 | 1.0 | 04/18/22 15:43 | |
| Naphthalene | ug/L | <1.1 | 5.0 | 04/18/22 15:43 | |
| o-Xylene | ug/L | <0.35 | 1.0 | 04/18/22 15:43 | |
| p-Isopropyltoluene | ug/L | <1.0 | 5.0 | 04/18/22 15:43 | |
| sec-Butylbenzene | ug/L | <0.42 | 1.0 | 04/18/22 15:43 | |
| Styrene | ug/L | <0.36 | 1.0 | 04/18/22 15:43 | |
| tert-Butylbenzene | ug/L | <0.59 | 1.0 | 04/18/22 15:43 | |
| Tetrachloroethene | ug/L | <0.41 | 1.0 | 04/18/22 15:43 | |
| Toluene | ug/L | <0.29 | 1.0 | 04/18/22 15:43 | |
| trans-1,2-Dichloroethene | ug/L | <0.53 | 1.0 | 04/18/22 15:43 | |
| trans-1,3-Dichloropropene | ug/L | <3.5 | 5.0 | 04/18/22 15:43 | |
| Trichloroethene | ug/L | <0.32 | 1.0 | 04/18/22 15:43 | |
| Trichlorofluoromethane | ug/L | <0.42 | 1.0 | 04/18/22 15:43 | |
| Vinyl chloride | ug/L | <0.17 | 1.0 | 04/18/22 15:43 | |
| Xylene (Total) | ug/L | <1.0 | 3.0 | 04/18/22 15:43 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 96 | 70-130 | 04/18/22 15:43 | |
| 4-Bromofluorobenzene (S) | % | 101 | 70-130 | 04/18/22 15:43 | |
| Toluene-d8 (S) | % | 104 | 70-130 | 04/18/22 15:43 | |

LABORATORY CONTROL SAMPLE: 2379635

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | ug/L | 50 | 50.9 | 102 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 46.3 | 93 | 66-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 49.0 | 98 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 48.1 | 96 | 68-132 | |
| 1,1-Dichloroethene | ug/L | 50 | 47.8 | 96 | 85-126 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 45.3 | 91 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 42.5 | 85 | 51-126 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 45.0 | 90 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 45.2 | 90 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 48.6 | 97 | 70-130 | |
| 1,2-Dichloropropane | ug/L | 50 | 47.3 | 95 | 78-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 49.2 | 98 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 47.4 | 95 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

LABORATORY CONTROL SAMPLE: 2379635

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | ug/L | 50 | 47.1 | 94 | 70-132 | |
| Bromodichloromethane | ug/L | 50 | 48.4 | 97 | 70-130 | |
| Bromoform | ug/L | 50 | 47.1 | 94 | 65-130 | |
| Bromomethane | ug/L | 50 | 38.0 | 76 | 44-128 | |
| Carbon tetrachloride | ug/L | 50 | 52.4 | 105 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 49.3 | 99 | 70-130 | |
| Chloroethane | ug/L | 50 | 50.1 | 100 | 73-137 | |
| Chloroform | ug/L | 50 | 50.1 | 100 | 80-122 | |
| Chloromethane | ug/L | 50 | 53.4 | 107 | 27-148 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 47.7 | 95 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 46.9 | 94 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 48.3 | 97 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 49.2 | 98 | 22-151 | |
| Ethylbenzene | ug/L | 50 | 49.0 | 98 | 80-123 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 49.4 | 99 | 70-130 | |
| m&p-Xylene | ug/L | 100 | 96.3 | 96 | 70-130 | |
| Methyl-tert-butyl ether | ug/L | 50 | 44.3 | 89 | 66-130 | |
| Methylene Chloride | ug/L | 50 | 52.2 | 104 | 70-130 | |
| o-Xylene | ug/L | 50 | 47.8 | 96 | 70-130 | |
| Styrene | ug/L | 50 | 50.1 | 100 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 48.4 | 97 | 70-130 | |
| Toluene | ug/L | 50 | 46.9 | 94 | 80-121 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 47.2 | 94 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 46.1 | 92 | 58-125 | |
| Trichloroethene | ug/L | 50 | 50.2 | 100 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 48.6 | 97 | 84-148 | |
| Vinyl chloride | ug/L | 50 | 50.8 | 102 | 63-142 | |
| Xylene (Total) | ug/L | 150 | 144 | 96 | 70-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 95 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 100 | 70-130 | |
| Toluene-d8 (S) | % | | | 104 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2380864 2380865

| Parameter | Units | 40243415001 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 | 51.2 | 52.6 | 102 | 105 | 70-130 | 3 | 20 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.38 | 50 | 50 | 52.2 | 52.3 | 104 | 105 | 66-130 | 0 | 20 | |
| 1,1,2-Trichloroethane | ug/L | <0.34 | 50 | 50 | 53.6 | 51.5 | 107 | 103 | 70-130 | 4 | 20 | |
| 1,1-Dichloroethane | ug/L | <0.30 | 50 | 50 | 51.3 | 51.1 | 103 | 102 | 68-132 | 0 | 20 | |
| 1,1-Dichloroethene | ug/L | <0.58 | 50 | 50 | 43.4 | 44.1 | 87 | 88 | 76-132 | 2 | 20 | |
| 1,2,4-Trichlorobenzene | ug/L | <0.95 | 50 | 50 | 52.0 | 50.0 | 104 | 100 | 70-130 | 4 | 20 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.4 | 50 | 50 | 47.6 | 46.0 | 95 | 92 | 51-126 | 4 | 20 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.31 | 50 | 50 | 51.5 | 52.7 | 103 | 105 | 70-130 | 2 | 20 | |

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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 ONE-HOUR VALET
Pace Project No.: 40243415

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2380864 2380865

| Parameter | Units | 40243415001 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 | 51.3 | 50.3 | 103 | 101 | 70-130 | 2 | 20 | |
| 1,2-Dichloroethane | ug/L | <0.29 | 50 | 50 | 50.6 | 51.5 | 101 | 103 | 70-130 | 2 | 20 | |
| 1,2-Dichloropropane | ug/L | <0.45 | 50 | 50 | 50.8 | 51.6 | 102 | 103 | 77-125 | 1 | 20 | |
| 1,3-Dichlorobenzene | ug/L | <0.35 | 50 | 50 | 55.6 | 55.2 | 111 | 110 | 70-130 | 1 | 20 | |
| 1,4-Dichlorobenzene | ug/L | <0.89 | 50 | 50 | 51.5 | 52.5 | 103 | 105 | 70-130 | 2 | 20 | |
| Benzene | ug/L | <0.30 | 50 | 50 | 50.5 | 51.0 | 101 | 102 | 70-132 | 1 | 20 | |
| Bromodichloromethane | ug/L | <0.42 | 50 | 50 | 52.5 | 51.1 | 105 | 102 | 70-130 | 3 | 20 | |
| Bromoform | ug/L | <3.8 | 50 | 50 | 51.4 | 50.7 | 103 | 101 | 65-130 | 1 | 20 | |
| Bromomethane | ug/L | <1.2 | 50 | 50 | 28.1 | 29.2 | 56 | 58 | 44-128 | 4 | 21 | |
| Carbon tetrachloride | ug/L | <0.37 | 50 | 50 | 53.6 | 52.9 | 107 | 106 | 70-132 | 1 | 20 | |
| Chlorobenzene | ug/L | <0.86 | 50 | 50 | 53.3 | 53.6 | 107 | 107 | 70-130 | 1 | 20 | |
| Chloroethane | ug/L | <1.4 | 50 | 50 | 40.7 | 41.1 | 81 | 82 | 70-137 | 1 | 20 | |
| Chloroform | ug/L | <1.2 | 50 | 50 | 53.1 | 53.0 | 106 | 106 | 80-122 | 0 | 20 | |
| Chloromethane | ug/L | <1.6 | 50 | 50 | 25.0 | 26.1 | 50 | 52 | 17-149 | 4 | 20 | |
| cis-1,2-Dichloroethene | ug/L | 91.5 | 50 | 50 | 147 | 144 | 111 | 104 | 70-130 | 2 | 20 | |
| cis-1,3-Dichloropropene | ug/L | <0.36 | 50 | 50 | 52.5 | 52.1 | 105 | 104 | 70-130 | 1 | 20 | |
| Dibromochloromethane | ug/L | <2.6 | 50 | 50 | 52.7 | 51.0 | 105 | 102 | 70-130 | 3 | 20 | |
| Dichlorodifluoromethane | ug/L | <0.46 | 50 | 50 | 10.3 | 10.5 | 21 | 21 | 22-158 | 2 | 20 | M1 |
| Ethylbenzene | ug/L | <0.33 | 50 | 50 | 52.9 | 53.2 | 106 | 106 | 80-123 | 0 | 20 | |
| Isopropylbenzene (Cumene) | ug/L | <1.0 | 50 | 50 | 52.8 | 53.0 | 106 | 106 | 70-130 | 0 | 20 | |
| m&p-Xylene | ug/L | <0.70 | 100 | 100 | 103 | 102 | 103 | 102 | 70-130 | 1 | 20 | |
| Methyl-tert-butyl ether | ug/L | <1.1 | 50 | 50 | 49.3 | 50.5 | 99 | 101 | 66-130 | 2 | 20 | |
| Methylene Chloride | ug/L | <0.32 | 50 | 50 | 51.7 | 51.8 | 103 | 104 | 70-130 | 0 | 20 | |
| o-Xylene | ug/L | <0.35 | 50 | 50 | 52.2 | 51.9 | 104 | 104 | 70-130 | 0 | 20 | |
| Styrene | ug/L | <0.36 | 50 | 50 | 53.2 | 53.6 | 106 | 107 | 70-130 | 1 | 20 | |
| Tetrachloroethene | ug/L | <0.41 | 50 | 50 | 51.6 | 50.8 | 103 | 102 | 70-130 | 2 | 20 | |
| Toluene | ug/L | <0.29 | 50 | 50 | 52.2 | 52.3 | 104 | 104 | 80-121 | 0 | 20 | |
| trans-1,2-Dichloroethene | ug/L | 1.4 | 50 | 50 | 50.2 | 49.9 | 98 | 97 | 70-134 | 1 | 20 | |
| trans-1,3-Dichloropropene | ug/L | <3.5 | 50 | 50 | 51.3 | 51.9 | 103 | 104 | 58-130 | 1 | 20 | |
| Trichloroethene | ug/L | <0.32 | 50 | 50 | 52.6 | 52.8 | 105 | 106 | 70-130 | 0 | 20 | |
| Trichlorofluoromethane | ug/L | <0.42 | 50 | 50 | 38.6 | 38.4 | 77 | 77 | 82-151 | 0 | 20 | M1 |
| Vinyl chloride | ug/L | 11.1 | 50 | 50 | 41.5 | 41.5 | 61 | 61 | 61-143 | 0 | 20 | |
| Xylene (Total) | ug/L | <1.0 | 150 | 150 | 155 | 154 | 103 | 103 | 70-130 | 1 | 20 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | | | | 101 | 98 | 70-130 | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 99 | 100 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | | | 103 | 103 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

QC Batch: 413688
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: 40243415007

METHOD BLANK: 2381912 Matrix: Water
Associated Lab Samples: 40243415007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Sulfate | mg/L | <0.44 | 2.0 | 04/21/22 12:11 | |

LABORATORY CONTROL SAMPLE: 2381913

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Sulfate | mg/L | 20 | 20.8 | 104 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2381914 2381915

| Parameter | Units | 40243255001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 21.7 | 20 | 20 | 43.8 | 43.8 | 110 | 111 | 90-110 | 0 | 15 | M0 |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2381916 2381917

| Parameter | Units | 40243262003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | <222 | 10000 | 10000 | 10600 | 10600 | 105 | 105 | 90-110 | 0 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

QC Batch: 413616
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243415007

METHOD BLANK: 2381519 Matrix: Water
Associated Lab Samples: 40243415007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Total Organic Carbon | mg/L | <0.14 | 0.50 | 04/20/22 08:36 | |

LABORATORY CONTROL SAMPLE: 2381520

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Total Organic Carbon | mg/L | 12.5 | 13.2 | 106 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2381521 2381522

| Parameter | Units | 40243407001 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 | 11.4 | 18 | 18 | 28.6 | 28.8 | 96 | 97 | 80-120 | 1 | 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 ONE-HOUR VALET
Pace Project No.: 40243415

## 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

| | |
|---|---|
| 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. |
| pH | Post-analysis pH measurement indicates insufficient VOA sample preservation. |

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

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819 ONE-HOUR VALET
Pace Project No.: 40243415

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **40243415007** | **PZ-1R** | EPA 8015B Modified | 413855 | | |
| **40243415007** | **PZ-1R** | EPA 3010A | 413844 | EPA 6020B | 413902 |
| **40243415001** | **PZ-2R** | EPA 8260 | 413258 | | |
| **40243415002** | **MW-6** | EPA 8260 | 413258 | | |
| **40243415003** | **MW-6 DUP** | EPA 8260 | 413258 | | |
| **40243415004** | **PZ-4** | EPA 8260 | 413258 | | |
| **40243415005** | **MW-5** | EPA 8260 | 413258 | | |
| **40243415006** | **MW-4** | EPA 8260 | 413258 | | |
| **40243415007** | **PZ-1R** | EPA 8260 | 413258 | | |
| **40243415008** | **TRIP BLANK** | EPA 8260 | 413258 | | |
| **40243415007** | **PZ-1R** | HACH 8146 | 414104 | | |
| **40243415007** | **PZ-1R** | EPA 300.0 | 413688 | | |
| **40243415007** | **PZ-1R** | SM 5310C | 413616 | | |

# CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40243415

**ALL SHADED AREAS are for LAB USE ONLY**

| | |
|---|---|
| Company: RAMBOLL | Billing Information: |
| Address: 234 W FLORIDA ST 5TH FLOOR | |
| Report To: SPETROFSKE@RAMBOLL.COM | Email To: |
| Copy To: PLINDQUIST@RAMBOLL.COM | Site Collection Info/Address: |
| Customer Project Name/Number: 1690005819 | State: WI / County/City: MILWAUKEE / Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET |
| Phone: / Email: | Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No |
| Collected By (print): DUNCAN GLASFORD | Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code: |
| Collected By (signature): | Turnaround Date Required: / Immediately Packed on Ice: [X] Yes [ ] No |
| Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold: | Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis: |

Container Preservative Type **: 3 3 3611 2 U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Analyses: VOC 8260B; MEG 8015B mod; Ferrous Iron 3500+CO2O; TOC 5310C; Sulfate 300.0

Lab Profile/Line:

Lab Sample Receipt Checklist:

| | |
|---|---|
| Custody Seals Present/Intact | Y N NA |
| Custody Signatures Present | Y N NA |
| Collector Signature Present | Y N NA |
| Bottles Intact | Y N NA |
| Correct Bottles | Y N NA |
| Sufficient Volume | Y N NA |
| Samples Received on Ice | Y N NA |
| VOA - Headspace Acceptable | Y N NA |
| USDA Regulated Soils | Y N NA |
| Samples in Holding Time | Y N NA |
| Residual Chlorine Present | Y N NA |
| Cl Strips: | |
| Sample pH Acceptable | Y N NA |
| pH Strips: | |
| Sulfide Present | Y N NA |
| Lead Acetate Strips: | |

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) Date | Collected (or Composite Start) Time | Composite End Date | Composite End Time | Res Cl | # of Ctns | Lab Sample # / Comments |
|---|---|---|---|---|---|---|---|---|---|
| PZ-2R | GW | G | 4.13.22 | 750 | | | | | 001 |
| MW-6 | " | " | " | 835 | | | | | 002 |
| MW-6DUP | " | " | " | 835 | | | | | 003 |
| PZ-4 | " | " | " | 950 | | | | | 004 |
| MW-5 | " | " | " | 1025 | | | | | 005 |
| MW-4 | " | " | " | 1115 | | | | | 006 |
| PZ-1R | " | " | " | 1245 | | | | | 007 |
| TRIP BLANK | — | — | — | — | | | | | 008 |

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2764037

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments:

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
|---|---|---|---|
| | 4-13-22 1430 | CS LOGISTICS | 413-22 1430 |
| CS LOGISTICS | 4/14/22 0752 | | 4/14/22 0752 |
| | | | |

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

# Sample Preservation Receipt Form

Client Name: Ramboll  Project # 400434615

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A  Initial when completed: SCW  Date/ Time:

Lab Lot# of pH paper: 10D3112  Lab Std #ID of preservation (if pH adjusted):

| | 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 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 002 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 003 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 004 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 005 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 006 | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 2.5 / 5 / 10 |
| 007 | | | | 1 | | | | | | 1 | | 1 | | | | 2 | 2 | | | | | | | | | | | | | X | | 2.5 / 5 / 10 |
| 008 | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6/14/22 SCW | | | | | 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 | |

Page 1 of 2

# Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40243415

40243415

**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 - 105 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

**Cooler Temperature** Uncorr: 0 /Corr: 0

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

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

**Person examining contents:**
Date: 4/14/22 /Initials: SW

**Labeled By Initials:** AJS

| | | |
|---|---|---|
| Chain of Custody Present: | ☒Yes ☐No ☐N/A | 1. CC 4/14/22 SW |
| Chain of Custody Filled Out: | ☐Yes ☒No ☐N/A | 2. Filter, Billing info 4/14/22 SW |
| 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: -Includes date/time/ID/Analysis Matrix: W | ☒Yes ☐No ☐N/A | 12. |
| Trip Blank Present: | ☒Yes ☐No ☐N/A | 13. |
| Trip Blank Custody Seals Present | ☒Yes ☐No ☐N/A | |
| Pace Trip Blank Lot # (if purchased): 477 | | |

**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 login**

Page 2 of 2

# Report of Analysis

**Pace Analytical Services, LLC**
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Attention: Steven Mleczko

Project Name: 1690005819 ONE-HOUR VALET

Project Number: 40243415

Lot Number:**XD15004**

Date Completed:04/18/2022

04/19/2022 7:08 AM
Approved and released by:
Project Manager II: **Edward Barnett**

## Case Narrative
## Pace Analytical Services, LLC
**Lot Number: XD15004**

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

**Ferrous Iron**

The Matrix Spike and Matrix Spike dup did not recover within the acceptable range for the following sample, XD15004-001. The LCS and LCSD recovery were within limits. Both the MS and MSD were prepared in similar ways and the RPD was acceptable.

XD15004-001 (PZ-1R) (Run 1) (Analysis Batch 38411) Ferrous Iron

The following sample was received outside of the method defined holding time: XD15004-001.

XD15004-001 (PZ-1R) (Run 1) (Analysis Batch 38411) Ferrous Iron

## Sample Summary
## Pace Analytical Services, LLC
### Lot Number: XD15004
### Project Name: 1690005819 ONE-HOUR VALET
### Project Number: 40243415

| Sample Number | Sample ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| 001 | PZ-1R | Aqueous | 04/13/2022 1245 | 04/15/2022 |

(1 sample)

## Detection Summary

## Pace Analytical Services, LLC

**Lot Number: XD15004**

**Project Name: 1690005819 ONE-HOUR VALET**

**Project Number: 40243415**

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 001 | PZ-1R | Aqueous | Ferrous Iron | SM 3500-Fe B- | 3.9 | HS | mg/L | 5 |

(1 detection)

# Inorganic non-metals

Client: **Pace Analytical Services, LLC** Laboratory ID: **XD15004-001**

Description: **PZ-1R** Matrix: **Aqueous**

Date Sampled: **04/13/2022 1245** Project Name: **1690005819 ONE-HOUR VALET**

Date Received: **04/15/2022** Project Number: **40243415**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | (Ferrous Iron) SM 3500-Fe B-2011 | 3 | 04/17/2022 1849 | TAD | | 38411 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | Units | Run |
|---|---|---|---|---|---|---|---|
| **Ferrous Iron** | | **SM 3500-Fe B-2** | **3.9** | **HS** | **0.15** | **mg/L** | **1** |

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Pace Analytical Services, LLC *(formerly Shealy Environmental Services, Inc.)*
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

# QC Summary

# Inorganic non-metals - MB

**Sample ID:** XQ38411-001
**Batch:** 38411
**Analytical Method:** SM 3500-Fe B-2011
**Matrix:** Aqueous

| Parameter | Result | Q | Dil | LOQ | Units | Analysis Date |
|---|---|---|---|---|---|---|
| Ferrous Iron | ND | | 1 | 0.050 | mg/L | 04/17/2022 1838 |

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** XQ38411-002
**Matrix:** Aqueous
**Batch:** 38411
**Analytical Method:** SM 3500-Fe B-2011

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | %Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Ferrous Iron | 1.0 | 0.97 | | 1 | 97 | 90-110 | 04/17/2022 1838 |

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
* = RSD is out of criteria
+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCSD

**Sample ID:** XQ38411-003 **Matrix:** Aqueous

**Batch:** 38411

**Analytical Method:** SM 3500-Fe B-2011

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | %Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Ferrous Iron | 1.0 | 0.98 | | 1 | 98 | 1.3 | 90-110 | 20 | 04/17/2022 1839 |

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MS

**Sample ID:** XD15004-001MS
**Matrix:** Aqueous
**Batch:** 38411
**Analytical Method:** SM 3500-Fe B-2011

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | %Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Ferrous Iron | 3.9 | 1.0 | 14 | N | 10 | 999 | 70-130 | 04/17/2022 1909 |

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
* = RSD is out of criteria
+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MSD

**Sample ID:** XD15004-001MD
**Matrix:** Aqueous
**Batch:** 38411
**Analytical Method:** SM 3500-Fe B-2011

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | %Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Ferrous Iron | 3.9 | 1.0 | 14 | N | 10 | 967 | 2.3 | 70-130 | 20 | 04/17/2022 1910 |

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
* = RSD is out of criteria
+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Chain of Custody
# and
# Miscellaneous Documents

# nternal Transfer Chain of Custody

Pace Analytical
www.pacelabs.com

[x] Samples Pre-Logged into eCOC.

State Of Origin: WI
Cert. Needed: [ ] Yes [x] No
Owner Received Date: 4/14/2022
Results Requested By: 4/26/2022

**orkorder:** 40243415 **Workorder Name:** 1690005819 ONE-HOUR VALET

| eport To | Subcontract To | Requested Analysis |
|---|---|---|
| even Mleczko<br>ace Analytical Green Bay<br>241 Bellevue Street<br>uite 9<br>reen Bay, WI 54302<br>hone (920)469-2436 | Pace Analytical West Columbia<br>106 Vantage Point Drive<br>West Columbia, SC 29172<br>Phone (803)791-9700 | Ferrous Iron by SM 3500 Fe 2011 |

XD15004

ETB2

| m | Sample ID | Sample Type | Collect Date/Time | Lab ID | Matrix | Preserved Containers: HCl | | | | | | Ferrous Iron by SM 3500 Fe 2011 | | | | | | | | | | | LAB USE ONLY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PZ-1R | PS | 4/13/2022 12:45 | 40243415007 | Water | X | | | | | | X | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

Comments

| ransfers | Released By | Date/Time | Received By | Date/Time |
|---|---|---|---|---|
| | [signature] | 4/14/22 1600 | | |
| | | | | |
| | FED EX | 4/15/22 0930 | [signature] | 4/15/22 0930 |

**ooler Temperature on Receipt** 2.1 °C | **Custody Seal** (Y) or N | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

**In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
*This chain of custody is considered complete as is since this information is available in the owner laboratory.*



Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

# CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-In Number Here: 10243415

**ALL SHADED AREAS are for LAB USE ONLY**

| | |
|---|---|
| Company: RAMBOLL | Billing Information: |
| Address: 234 W FLORIDA ST 5TH FLOOR | |
| Report To: SPETROSKE@RAMBOLL.COM | Email To: |
| Copy To: PLINDQUIST@RAMBOLL.COM | Site Collection Info/Address: |
| Customer Project Name/Number: 1690005819 | State: WI / County/City: MILWAUKEE / Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET |
| Phone: / Email: | Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No |
| Collected By (print): DANGALLAFORD | Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code: |
| Collected By (signature): | Turnaround Date Required: / Immediately Packed on Ice: [X] Yes [ ] No |
| Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold: | Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [ ] No / Analysis: |

Container Preservative Type **: 3 3 3 6/1 2 U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Project Manager:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

| Customer Sample ID | Matrix * | Comp / Grab | Collected (or Composite Start) Date | Collected (or Composite Start) Time | Composite End Date | Composite End Time | Res Cl | # of Ctns | VOC 8260B | MEE 8015B mod | FERROUS IRON 3500+FE2D | TOC 5310C | SULFATE 300.0 | Lab Sample # / Comments: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PZ-2R | GW | G | 4.13.22 | 750 | | | | | X | | | | | 001 |
| MW-6 | | | | 835 | | | | | X | | | | | 002 |
| MW-6DUP | | | | 835 | | | | | X | | | | | 003 |
| PZ-4 | | | | 950 | | | | | X | X | | | | 004 |
| MW-5 | | | | 1025 | | | | | X | X | | | | 005 |
| MW-4 | | | | 1115 | | | | | X | X | | | | 006 |
| PZ-1R | | | | 1245 | | | | | X | X | X | X | X | 007 |
| TRIP BLANK | — | — | — | — | | | | | X | | | | | 008 |

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2764037

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

| Relinquished by/Company: (Signature) | Date/Time: | Received by/Company: (Signature) | Date/Time: |
|---|---|---|---|
| | 4-13-22 1430 | CS LOGISTICS | 4-13-22 1430 |
| | 4/14/22 0752 | | 4/14/22 0752 |
| FED EX | 4/15/22 0930 | | 4/15/22 0930 |

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

DC#_Title: ENV-FRM-GBAY-0035 v01_Sample Preservation Receipt Form
Revision: 3 | Effective Date: | Issued by: Green Bay

Sample Preservation Receipt Form

Client Name: Rumbaugh

Project # [illegible]

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

Lab Lot# of pH paper: [illegible]

Initial when completed: [illegible] Date/Time:

Exceptions to preservation check: VOA, TOC, TOX, TPH, GRO, WI DRO, Phenolics, Other:

Headspace in VOA Vials (>6mm): ☐Yes ☐No ☐N/A *If yes, ask in headspace column

Qualtrax Document ID: 41307

Pace Analytical Services, LLC

Page 1 of 2

DC#_Title: ENV-FRM-GRAY-0014 v02_SCUR
Revision: 3 | Effective Date: | Issued by: Green Bay

## Sample Condition Upon Receipt Form (SCUR)

**Client Name:** Ramboll

Project #:

**WO# : 40243415**

40243415

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 - 105 Type of Ice: ☑ Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0

Temp Blank Present: ☑ yes ☐ no Biological Tissue Is Frozen: ☐ yes ☐ no

Person examining contents:
Date: 4/14/22 /Initials: SCW

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

Labeled By Initials:

| | | | |
|---|---|---|---|
| Chain of Custody Present: | ☑Yes ☐No ☐N/A | 1. *CL | 4/14/22 |
| Chain of Custody Filled Out: | ☐Yes ☑No ☐N/A | 2. Folder, Billing info | 4/14/22 SCW |
| 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: | | 8. | |
| For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A | | | |
| 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): 477 | | | |

**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 login**

Page 2 of 2

Qualtrax Document ID: 41282 Pace Analytical Services, LLC

Pace Analytical

**Samples Receipt Checklist (SRC) (ME0018C-15)**
Issuing Authority: Pace ENV - WCOL

Revised:9/29/2020
Page 1 of 1

# Sample Receipt Checklist (SRC)

Client: Pace
Cooler Inspected by/date: KNR / 04/15/2022
Lot #: XD15004

Means of receipt: ☐ Pace ☐ Client ☑ UPS ☑ FedEx ☐ Other:

| | | | |
|---|---|---|---|
| ☑ Yes | ☐ No | | 1. Were custody seals present on the cooler? |
| ☑ Yes | ☐ No | ☐ NA | 2. If custody seals were present, were they intact and unbroken? |

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA
2.1 / 2.1 °C NA / NA °C NA / NA °C NA / NA °C
Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C
Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

| | | | |
|---|---|---|---|
| ☐ Yes | ☐ No | ☑ NA | 3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one). |
| ☐ Yes | ☐ No | ☑ NA | 4. Is the commercial courier's packing slip attached to this form? |
| ☑ Yes | ☐ No | | 5. Were proper custody procedures (relinquished/received) followed? |
| ☑ Yes | ☐ No | | 6. Were sample IDs listed on the COC? |
| ☑ Yes | ☐ No | | 7. Were sample IDs listed on all sample containers? |
| ☑ Yes | ☐ No | | 8. Was collection date & time listed on the COC? |
| ☑ Yes | ☐ No | | 9. Was collection date & time listed on all sample containers? |
| ☑ Yes | ☐ No | | 10. Did all container label information (ID, date, time) agree with the COC? |
| ☑ Yes | ☐ No | | 11. Were tests to be performed listed on the COC? |
| ☑ Yes | ☐ No | | 12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)? |
| ☑ Yes | ☐ No | | 13. Was adequate sample volume available? |
| ☐ Yes | ☑ No | | 14. Were all samples received within ½ the holding time or 48 hours, whichever comes first? |
| ☐ Yes | ☑ No | | 15. Were any samples containers missing/excess (circle one) samples Not listed on COC? |
| ☐ Yes | ☐ No | ☑ NA | 16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials? |
| ☐ Yes | ☐ No | ☑ NA | 17. Were all DRO/metals/nutrient samples received at a pH of < 2? |
| ☐ Yes | ☐ No | ☑ NA | 18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9? |
| ☐ Yes | ☐ No | ☑ NA | 19. Were all applicable NH3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine? |
| ☐ Yes | ☐ No | ☑ NA | 20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS? |
| ☐ Yes | ☑ No | | 21. Was the quote number listed on the container label? If yes, Quote # |

**Sample Preservation** (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA.
Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is ***no***) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA.

SR barcode labels applied by: TEC Date: 04/15/2022

Comments:

# APPENDIX B

## INVESTIGATION DERIVED WASTE DISPOSAL DOCUMENTATION

# Activity Report

JOB TRK: **WO-3735489000**
JOB NO: **3735489000** WO NO: **3735489000**
BILL DOC NO: **HH20510858** EPA ID: **WID053684478**

BT Acnt ID (Cust#) **1038 (427966)**
SL Acnt ID (Gen#): **56727 (649254)**

BILL TO: **MARQUETTE UNIVERSITY CORP**
**1250 W WISCONSIN AVE**
**MILWAUKEE, WI 53201**
**(414) 288-8411**

JOB SITE: **Marquette University**
**1214 West Wells Street**
**Milwaukee, WI 53233**
**(414) 288-8411**

CONTACT: **DENNIS DAYE**

CONTACT: **DENNIS DAYE**

MANIFEST NUMBER(S):
**002160623VES**

| CUSTOMER P.O. NUMBER | PROJECT NUMBER | SHIP DATE | TERR. |
|---|---|---|---|
| | | **05/11/2022** | **W38** |

| DESCRIPTION | # CONT. | CONT./CODE | QTY | UOM | PG/LN | WASTE AREA |
|---|---|---|---|---|---|---|
| Manif# 002160623VES Tkt# WO-3735489000<br>WIP 555475 / Approval CWDDPK6-5G<br>TETRACHLOROETHYLENE IMPACTED W | 1 | 051H1-DF | 42 | P | 1 / 1 | |

Total Hours: **0**
# of Containers: **1**
Total Pounds: **42**

Veolia ES Technical Solutions, L.L.C. is permitted for and has capacity to accept waste listed above in container quantities.

# Activity Report

JOB TRK: **WO-3735489000**
JOB NO: **3735489000**
BILL DOC NO: **HH20510858**
WO NO: **3735489000**
BT Acnt ID (Cust#) **1038 (427966)**
SL Acnt ID (Gen#): **56727 (649254)**
EPA ID: **WID053684478**

BILL TO: **MARQUETTE UNIVERSITY CORP**
**1250 W WISCONSIN AVE**
**MILWAUKEE, WI 53201**
**(414) 288-8411**

JOB SITE: **Marquette University**
**1214 West Wells Street**
**Milwaukee, WI 53233**
**(414) 288-8411**

CONTACT: **DENNIS DAYE**

CONTACT: **DENNIS DAYE**

MANIFEST NUMBER(S):
**Non-Disposals**

| CUSTOMER P.O. NUMBER | PROJECT NUMBER | SHIP DATE | TERR. |
|---|---|---|---|
| | | 05/11/2022 | W38 |

| DESCRIPTION | # CONT. | CONT./CODE | QTY | UOM | PG/LN | WASTE AREA |
|---|---|---|---|---|---|---|
| 05/11/2022 Fees. - EPA E-Manifest Fee | | FEE102 | 1 | EACH | / | |

Total Hours: **0**

**Comments:**
Veolia appreciates your business! Your work today was led by Colin Barrington (Environmental Specialist) in conjunction with other Veolia team members. If you have any questions about today's service or would like to schedule your next pickup, please call the Veolia Menomonee Falls, WI Facility at 800-255-8092 or email Zach Davis at zach.davis@veolia.com. Goal Zero. Leading Safety Together. If you're interested in hearing the latest news about Veolia, sign up to receive our newsletter at: http://www.veolianorthamerica.com/en/sign-our-newsletters.

Signature: _____

Print Name: Dennis Daye

Customer authorizes Contractor to make changes on Customer's behalf in regards to transporters used and to perform the Services, including adding or changing transporters listed on manifests. If Customer provides an approved transporter list in writing to Contractor at the time Customer executes this Agreement, Contractor shall select only those transporters on that list when providing transportation services to Customer. If Customer does not provide an approved transporter list in writing to Contractor at the time Customer executes this Agreement, Customer authorizes Contractor to select any permitted transporter to provide transportation services to Customer.

Veolia ES Technical Solutions, L.L.C. is permitted for and has capacity to accept waste listed above in container quantities.

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 | 002160623 VES |

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
Facility's Phone: 262 255-6655
U.S. EPA ID Number: W I D 0 0 3 9 6 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 | 42 | P | 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. + 1) OU 36190 Placards and ERG book were offered by Marquette and refused by Veolia.

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 05 Day 11 Year 22

**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: Colin Barrington — Signature — Month 05 Day 11 Year 22

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

# PACKING SUMMARY

SL Accnt Id (Gen Num): 56727 (649254)
Marquette University
1214 West Wells Street
Milwaukee, WI 53233
Attn: DENNIS DAYE
EPA ID: WID053684478

Manifest Number: 002160623VES
Field System ID: HH
Work Order Number: 3735489000
Date Shipped: 05/11/2022

Container#: HH-3735489000-001 Waste Area: Manifest Page/Line: 01 / 1

WIP: 555475 DisposalCode: CWDDPK6-5G PHY State: L

Date Accumulated: 05/11/2022 Gen Drum ID:

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

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

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

Total Cmns Wt: 42 SIC: 8221 Source: G19 Form: W219 System: H141 Cubic Ft.: 0.68

Individual Common Weights: 1 @ 42 (POUNDS)

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

# Land Disposal Restriction Notification Form

Generator Name **Marquette University**

EPA ID Number **WID053684478** Manifest **002160623VES**

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-3735489000-001 (1/ 1)**

| | |
|---|---|
| WIP / Approval Code: | **555475 / CWDDPK6-5G** |
| 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 5/11/2022

Page 1 of 1