RAMBOLL

ENVIRONMENT
& HEALTH

Ms. Linda Stanek
Wisconsin Department of Natural Resources
1027 W. St. Paul Avenue
Milwaukee, WI 53233

SEMI-ANNUAL PROGRESS REPORT AND GROUNDWATER MONITORING PROGRAM MODIFICATION REQUEST
FORMER ONE-HR VALET DRY CLEANERS (TAXMAN)
1214 WEST WELLS STREET, MILWAUKEE, WISCONSIN
BRRTS NO. 02-41-152248

Dear Ms. Stanek:

Ramboll US Consulting, Inc. (Ramboll), on behalf of Marquette University (Marquette), has prepared the attached *Semi-Annual Progress Report: January 1 to June 30, 2023,* to document groundwater monitoring activities performed at the former Taxman/One-Hour Valet Dry Cleaner site located at 1214 West Wells Street in Milwaukee, Wisconsin (the "Site"). Based on the data collected to date, including nine semi-annual groundwater sampling events completed since the 2018 soil mixing event, substantial reductive dechlorination is occurring; however, additional time is likely needed for concentrations to be reduced to levels where regulatory case closure is considered viable. Given the stable and reducing groundwater concentrations within the former source area, Ramboll requests Wisconsin Department of Natural Resources' (WDNR) approval to reduce the sampling frequency from the current semi-annual schedule to annual. This reduced sampling frequency would allow for continued monitoring of site remediation progress while cost effectively utilizing the limited remaining Drycleaner Environmental Response Fund (DERF) Program funds and Marquette resources.

We appreciate your consideration of this request. A completed Form 4400-237 and a check for the associated $700 review fee is attached. If you have any questions or need additional information, please contact us at your convenience.

Yours sincerely,

Susan Petrofske
Senior Managing Consultant

D +1 262 901 3501
spetrofske@ramboll.com

Jeanne M. Tarvin, PG, CPG
E&H Americas Country Market Director

D +1 262 901 0085
jtarvin@ramboll.com

Attachments

Semi-Annual Progress Report
Form 4400-237
Check No. 30915

cc: Joel Smullen, Marquette University

August 3, 2023

Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
USA

T +1 414 837 3607
F +1 414 837 3608
www.ramboll.com

Ref. 1690005819

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Note: In order to fill and save this form electronically, it must be opened using Adobe Reader or Acrobat software. Save a copy of the file, open Adobe Reader, select File > Open and browse for the file you saved.

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 10/21)

Notice: Use this form to request **a written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This from should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf"

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

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Note: In order to fill and save this form electronically, it must be opened using Adobe Reader or Acrobat software. Save a copy of the file, open Adobe Reader, select File > Open and browse for the file you saved.

State of Wisconsin
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Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name	First	MI	Organization/ Business Name		
Smullen	Joel		Marquette University		
Mailing Address			City	State	ZIP Code
517 North 14th Street			Milwaukee	WI	53233
Phone # (include area code)	Fax # (include area code)		Email		
(414) 288-4620			Joel.Smullen@marquette.edu		

The requester listed above: (select all that apply)

- ☒ Is currently the owner
- ☐ Is considering selling the Property
- ☐ Is renting or leasing the Property
- ☐ Is considering acquiring the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☐ Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request)

Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name		
Petrofske	Susan		Ramboll US Consulting, Inc.		
Mailing Address			City	State	ZIP Code
234 W. Florida Street, Fifth Floor			Milwaukee	WI	53204
Phone # (include area code)	Fax # (include area code)		Email		
(262) 901-3501			spetrofske@ramboll.com		

☒ Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Tarvin	Jeanne		Ramboll US Consulting, Inc.		
Mailing Address			City	State	ZIP Code
234 W. Florida Street, Fifth Floor			Milwaukee	WI	53204
Phone # (include area code)	Fax # (include area code)		Email		
(262) 901-0085			jtarvin@ramboll.com		

☐ [illegible]

Contact Last Name	First	MI	Organization/ Business Name		
Mailing Address			City	State	ZIP Code
Phone # (include area code)	Fax # (include area code)		Email		

☐ [illegible]

Contact Last Name	First	MI	Organization/ Business Name		
Mailing Address			City	State	ZIP Code
Phone # (include area code)	Fax # (include area code)		Email		

Section 2. Property Information

Property Name	FID No. (if known)
Former One-Hr Valet (Former Taxman Investments Co.)	241086120

BRRTS No. (if known)	Parcel Identification Number
02-41-152248	3910901000

Street Address	City	State	ZIP Code
1214 W Wells Street	Milwaukee	WI	53223

County	Municipality where the Property is located	Property is composed of:	Property Size Acres
Milwaukee	(●) City ( ) Town ( ) Village of	(●) Single tax parcel ( ) Multiple tax parcels	

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.
   (●) No ( ) Yes
   Date requested by: _____
   Reason:

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?
   (●) No. **Include the fee that is required for your request in Section 3, 4 or 5.**
   ( ) Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:
Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [**Numbers in brackets are for WI DNR Use]**

- ☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - Include a fee of $350. Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- ☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**
- ☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**
- ☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**
- ☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**
- ☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**
- ☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- ☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**
- ☐ Hazardous Waste Determination - **Include a fee of $700.**
- ☒ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- ☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**
  - ☐ Include a fee of $300 for sites with residual soil contamination; and
  - ☐ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

☒ **Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.**

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. **[Numbers in brackets are for DNR Use]**

☐ "Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the real Property, and/or the personal Property and fixtures;

(2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;

(3) the date the environmental assessment was conducted by the lender;

(4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.

(5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.

(6) a copy of the Property deed with the correct legal description; and,

(7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).

(8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292. 21(1)(c)2.,h.-i., Wis. Stats.:

h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.

i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

☐ "Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the Property;

(2) the date of Property acquisition by the representative;

(3) the means by which the Property was acquired;

(4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;

(5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and

(6) a copy of the Property deed with the correct legal description.

☐ Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

☐ hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];

☐ Perceived environmental contamination - [649];

☐ hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or

☐ solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of $700, a summary of the environmental liability clarification being requested, and the following:**

(1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).

(2) current and proposed ownership status of the Property;

(3) date and means by which the Property was acquired by the LGU, where applicable;

(4) a map and the ¼, ¼ section location of the Property;

(5) summary of current uses of the Property;

(6) intended or potential use(s) of the Property;

(7) descriptions of other investigations that have taken place on the Property; and

(8) (for solid waste clarifications) a summary of the license history of the facility.

Section 4. Request for Liability Clarification (cont.)

☐ Lease liability clarification - s. 292.55, Wis. Stats. [646]

- ❖ **Include a fee of $700 for a single Property, or $1400 for multiple Properties and the information listed below:**

(1) a copy of the proposed lease;

(2) the name of the current owner of the Property and the person who will lease the Property;

(3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;

(4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;

(5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and

(6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

- ❖ **Include a fee of $700 and an adequate summary of relevant environmental work to date.**

☐ No Action Required (NAR) - NR 716.05, [682]

- ❖ **Include a fee of $700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

☐ Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

- ❖ **Include a fee of $700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

☐ Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,

(2) a copy of the Property deed with the correct legal description.

☐ Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,

(2) a copy of the Property deed with the correct legal description.

☐ Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

- ❖ **Include a fee of $1400, and the information listed below:**

(1) a draft schedule for remediation; and,

(2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

- ☐ Phase I Environmental Site Assessment Report - Date: _____
- ☐ Phase II Environmental Site Assessment Report - Date: _____
- ☐ Legal Description of Property (required for all liability requests and specialized agreements)
- ☐ Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

☐ Groundwater ☐ Soil ☐ Sediment ☐ Other medium - Describe: _____

Date of Collection: _____

- ☐ A copy of the closure letter and submittal materials
- ☐ Draft tax cancellation agreement
- ☐ Draft agreement for assignment of tax foreclosure judgment
- ☒ Other report(s) or information - Describe: Semi-Annual Progress Report: January 1 to June 30, 2023

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

- ◯ Yes - Date (if known): _____
- ◯ No

Note: The Notification for Hazardous Substance Discharge Form - Non-Emergency Only (Form 4400-225) is accessible through the RR Program Submittal Portal application. Directions for using the form and the Submittal Portal application are available on the Submittal Portal web page.

Section 7. Certification by the Person who completed this form

- ☐ I am the person submitting this request (requester)
- ☒ I prepared this request for: Joel Smullen (Marquette University)

Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Jeanne M. Ta	August 3, 2023
Signature	Date Signed
E&H Americas Country Market Director	(262) 901-0085
Title	Telephone Number (include area code)

Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a DNR regional brownfields specialist with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf.

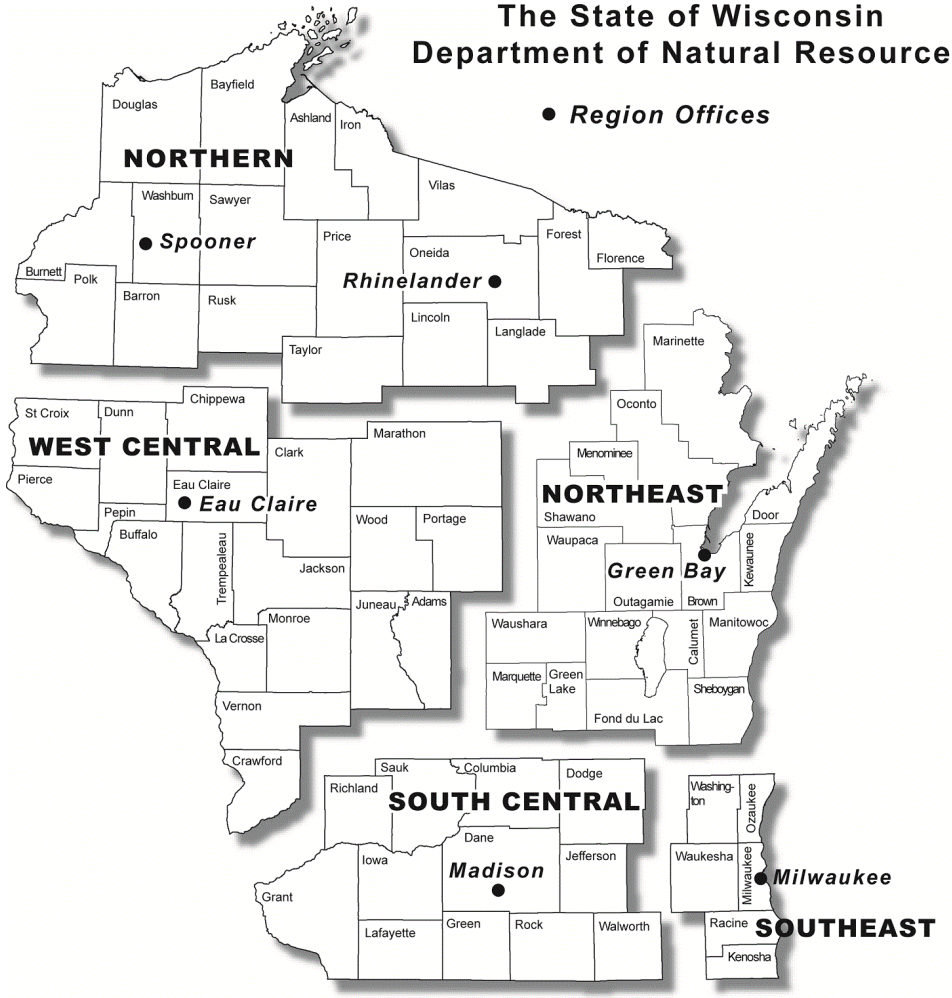
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION
Attn: RR Program Assistant
Department of Natural Resources
2984 Shawano Avenue
Green Bay WI 54313

DNR SOUTH CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION
Attn: RR Program Assistant
Milwaukee DNR Office
1027 West St. Paul Ave
Milwaukee WI 53233

DNR WEST CENTRAL REGION
Attn: RR Program Assistant
Department of Natural Resources
1300 Clairemont Ave.
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer	Comments		
Fee Enclosed? ◯ Yes ◯ No	Fee Amount $	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		

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ENVIRONMENT
& HEALTH

Ms. Linda Stanek
Wisconsin Department of Natural Resources
1027 W. St. Paul Avenue
Milwaukee, WI 53233

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FORMER ONE-HR VALET DRY CLEANERS (TAXMAN)
1214 WEST WELLS STREET, MILWAUKEE, WISCONSIN
BRRTS NO. 02-41-152248

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Senior Managing Consultant

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Attachments

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Form 4400-237
Check No. 30915

cc: Joel Smullen, Marquette University

August 3, 2023

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234 W. Florida Street
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USA

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www.ramboll.com

Ref. 1690005819

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

Date:
August 2023

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 TO JUNE 30, 2023

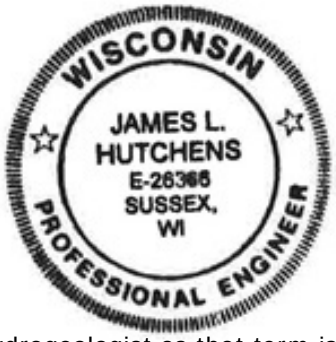
RAMBOLL

ENVIRONMENT
& HEALTH

CERTIFICATIONS

I, James L. 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, PE
License No. 26366



I, Mark M. 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

August 3, 2023
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 to June 30, 2023* (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 the methodology and results of post-remedial action monitoring activities conducted at the site. Parties currently involved with the project include the following:

Responsible Party/Site Owner:	Marquette University Mr. Joel Smullen, AIA 517 North 14th Street Milwaukee, WI 53233 (414) 288-4620
Regulatory Agency/Project Manager:	WDNR Ms. Linda Stanek 1027 West St. Paul Avenue Milwaukee, WI 53233 (414) 316-0208
Environmental Consultant:	Ramboll US Consulting, Inc. Ms. Jeanne Tarvin, PG, CPG 234 West Florida Street, Fifth Floor Milwaukee, WI 53204 (262) 901-0085

1.1 Site Location and Description

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

The site is bounded on the west by a Marquette parking structure, on the north by a hospital parking structure, on the east by North 12th Street, and on the south by West Wells Street, as shown on Figure 2. The site is currently owned by Marquette and is enrolled in the WDNR-administered Drycleaner Environmental Response Fund (DERF) Program. The former site buildings were demolished in 2018 in advance of the remedial action implementation activities and all associated utilities were disconnected. The balance of the paved surfaces was also removed in 2018 following implementation of the remedial actions. Following completion of the remedial activities, Marquette developed the site as an 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 subjected 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 in a correspondence dated March 28, 2018, 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 an organic carbon amendment (commercially known as Anaerobic BioChem [ABC®]). The soil blending was primarily focused on treating saturated soil and groundwater at depth 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 of CVOC-impacted groundwater at the site. The first 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 (Ramboll, 2021b), a second supplemental *in-situ* ERD injection was completed in July 2021 to further support the existing reducing conditions and continued microbial activity within the target groundwater treatment zone. The supplemental *in-situ* ERD activities and subsequent October 2021 semi-annual groundwater monitoring event were documented in the March 2022 S*emi-Annual Progress Report* (Ramboll, 2022a). The third supplemental *in-situ* ERD activities and subsequent October 2022 semi-annual groundwater monitoring event were documented in the January 2023 S*emi-Annual Progress Report* (Ramboll, 2023).

1.3 Purpose of Report

The purpose of this report is to document site activities completed from January 1 to June 30, 2023. Specific objectives include the following:

- Summarize the results of the April 2023 semi-annual groundwater monitoring event.
- Provide recommendations for supplemental remedial actions, if warranted.
- Request WDNR approval for a modification to the groundwater monitoring frequency.

2. APRIL 2023 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 semi-annual post remedial action groundwater monitoring completed in April 2023.

2.1 Groundwater Monitoring

Six monitoring wells (MW-4, MW-5, MW-6, PZ-1R, PZ-2R, and PZ-4) were sampled on April 12, 2023, 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. The 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 8260. 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 6020B), total organic carbon (Standard 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 2023 groundwater sampling event from all existing monitoring wells and piezometers. A summary of historical groundwater elevations is presented in Table 1.

April 2023 groundwater elevations were generally slightly higher when compared to the previous site-wide groundwater measurement event completed in October 2022, likely due to seasonal effects. 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-5 (northeastern portion of the property). This interpretation of local groundwater flow direction is generally consistent with previous observations.

Horizontal and vertical gradients were evaluated as part of each groundwater sampling event beginning in November 2017, with the exception of May 2019. The measured horizontal hydraulic gradient between monitoring wells MW-2 and MW-5 has ranged from 0.036 foot per foot (ft/ft) (April 2022) to 0.059 ft/ft (August 2019). The measured April 2023 horizontal hydraulic gradient between MW-2 and MW-5 was 0.045 ft/ft.

Vertical hydraulic gradients were evaluated between monitoring wells MW-5 and PZ-4. Measured historical vertical gradients have all been downward and ranged from 0.51 ft/ft (October 2021) to 0.59 ft/ft (April 2022). The April 2023 vertical horizontal gradient between MW-5 and PZ-4 was downward at a measured value of 0.55 ft/ft. The vertical hydraulic gradients have not been noticeably 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 2023 groundwater sampling event. The measured specific conductivity values varied from 3,696 micro-Siemens per centimeter (µS/cm) in MW-5 to 16,839 µS/cm in MW-6.

Measured April 2023 DO levels within and downgradient of the July 2022 area of carbon amendment injection ranged from 0.12 milligrams per liter (mg/L) at well PZ-1Rto 0.82 mg/L at wells MW-5 and PZ-4, which is indicative of anaerobic conditions.

The April 2023 ORP measurements were generally consistent with historical ranges of values. Negative ORP values (indicative of reducing conditions) were measured in all monitoring wells ranging from –68.1 millivolts (mV) (MW-4) to -243.9 mV (PZ-1R).

The pH values measured as part of the April 2023 sampling event ranged from 6.16 (PZ-1R) to 7.44 (MW-4) standard units. This measured range in pH values is generally 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 2023 groundwater samples were collected from six monitoring wells and submitted for laboratory analysis in accordance with the approved sampling plans identified above. A copy of the April 2023 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 2023. 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 completed in August/September 2020, July 2021, and July 2022. The detected TOC concentration in the April 2023 groundwater sample from source area well PZ-1R was 177 mg/L. This TOC concentration exceeds the minimum TOC concentration of 20 mg/L which is desirable within an anaerobic treatment zone (AFCEE, 2004).

Ferrous iron is produced by the reduction of ferric iron and is also produced via corrosion of ZVI which was introduced during the 2018 soil blending event and the August/September 2020 *in-situ*

ERD injection event. The detected concentration of ferrous iron in the April 2023 groundwater sample from well PZ-1R was 10.1 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, the April 2023 groundwater sample did not contain detectable sulfate (at a detection limit of 0.44 mg/L), which is indicative of sulfate-reducing conditions that are favorable for continued reductive dechlorination of CVOCs.

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, the detected methane concentration remained high at 13,300 micrograms per liter (µg/L) in the April 2023 groundwater sample (compared to non-detect in the pre-treatment November 2017 groundwater sample from nearby previous monitoring well PZ-1), indicating favorable reducing conditions for continued anaerobic dechlorination of CVOCs.

Concentrations of ethene and ethane can be used to infer that complete anaerobic dechlorination of CVOCs is occurring. The pre-treatment November 2017 groundwater sample from nearby previous monitoring well PZ-1 did not contain detectable ethene or ethane, whereas the April 2023 groundwater sample contained 4,270 µg/L of ethene and 135 µg/L of ethane. The continued detected concentrations of ethene and ethane remain indicative of complete reductive dechlorination of tetrachloroethene (PCE).

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 2023. 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 44.5 µg/L, 10.5 µg/L, and 1,890 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 240 J µg/L, and above the WAC NR 140 Preventive Action Limit (PAL) (0.5 µg/L) at MW-5 with a concentration of 1.5 µg/L. Groundwater samples from PZ-1R and PZ-2R had detections of cis-1,2-dichloroethene (cis-1,2-DCE) above the WAC NR 140 ES of 70 µg/L, at concentrations of 72,100 µg/L and 89.9 µg/L, respectively. The groundwater sample from MW-6 had a detection of cis-1,2-DCE above the WAC NR 140 PAL of 7 µg/L at a concentration of 9.1 µg/L.

Four of the six monitoring wells sampled (all except for MW-4 and MW-5) in April 2023 had detections of vinyl chloride above the WAC NR 140 ES of 0.2 µg/L at concentrations ranging from 1.8 µg/L (MW-6) to 17,200 µg/L (PZ-1R). No other VOCs were detected above WAC NR 140 criteria.

A summary of VOC analytical results is provided in Table 5. The CVOC analytical results from the April 2023 groundwater sampling event are shown on Figure 4.

2.4.3 Waste Disposal

Purge water and decontamination fluids from the April 2023 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 12, 2023. Veolia transported the containers off-site for disposal on June 28, 2023. Disposal documentation is provided in Appendix B.

3. CONCLUSIONS

Scheduled groundwater monitoring continues to show reducing conditions through fermentation of the applied organic carbon substrate. These reducing conditions are evident based on the following observations related to the April 2023 groundwater sample results from treatment zone monitoring well PZ-1R:

- Low ORP reading of -243.9 mV and low DO reading of 0.12 mg/L.
- Continued elevated TOC concentration at PZ-1R (177 mg/L), which is greater than the desired minimum value of 20 mg/L for reductive dechlorination to be enhanced.
- The detected methane concentration of 13,300 µg/L in the April 2023 groundwater sample from monitoring well PZ-1R, which is consistent with continued reducing conditions.
- Detected ethene concentrations at least an order-of-magnitude above background levels are indicative of complete dechlorination (AFCEE, 2004); the April 2023 ethene value of 4,270 µg/L at PZ-1R is four orders-of-magnitude above background ethene concentrations 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 and subsequent supplemental injections or organic carbon substrate.

As indicated in Table 5, PCE was detected in the April 2023 groundwater sample from monitoring well PZ-1R at a concentration of 1,890 µg/L. This PCE concentration represents a significant reduction when compared to historic values, which ranged from 8,500 µg/L (PZ-1, May 2003) to 83,700 µg/L (PZ-1R, August 2019).

Evaluation of molar fractions (molar concentrations of PCE, TCE, cis-1,2-dichloroethene [cDCE], vinyl chloride [VC], and ethene divided by the molar concentration of total ethenes) over time is a method used to determine if biodegradation has been stimulated. As shown on Figure 5, pre-remediation molar fractions of PCE generally exceeded 90%, while pre-remediation total TCE, cDCE, and VC molar fractions generally did not exceed 10%. A substantial and rapid re-distribution of molar fractions has been observed based on the post-remediation groundwater monitoring data. Based on the most recent April 2023 groundwater monitoring data, the detected molar fractions at well PZ-1R are as follows: less than 2% PCE, less than 1% TCE, 62% cDCE, 23% VC, and 12% ethene. The April 2023 PCE molar fraction is the lowest observed to date for groundwater samples obtained from well PZ-1R. Without sequential dechlorination, the ratios of the targeted compounds would all remain relatively constant, even if all of the concentrations would decline (due to dilution, for example).

The continued presence of PCE degradation products (including end-product ethene) confirm that substantial reductive dechlorination has taken place and is expected to continue based on the April

2023 geochemical data. Further downgradient, the following observations of CVOC concentration trends are consistent with CVOC source remediation:

- PCE and TCE have not been detected in groundwater samples from well PZ-2R since August 2019.
- Exceedances of WAC NR 140 ES values for TCE or cis-1,2-DCE have not occurred in groundwater samples from well MW-6 since October 2020.
- Exceedances of the WAC NR 140 ES for PCE have not occurred in groundwater samples from well P-4 since October 2020.

The April 2023 TOC results do not indicate that an additional organic carbon substrate injection event is required at this time. Ramboll will continue to evaluate the results of future groundwater monitoring events to determine if such injection events may be warranted.

4. RECOMMENDATIONS

Based on the data collected to date, including nine semi-annual groundwater sampling events completed since the 2018 soil mixing event, substantial reductive dechlorination is occurring; however, additional time is likely needed for CVOC concentrations to be reduced to levels where regulatory case closure is considered viable. Given the stable and reducing groundwater concentrations within the former source area, Ramboll requests WDNR's approval to reduce the sampling frequency from the current semi-annual schedule to annual. This reduced sampling frequency would allow for continued monitoring of site remediation progress while cost effectively utilizing the limited remaining DERF funds and Marquette resources.

The following annual groundwater monitoring plan is proposed:

- Measure depth to groundwater in all site monitoring wells and piezometers.
- Collect groundwater samples from six monitoring wells (MW-4, MW-5, MW-6, PZ-1R, PZ-2R, and PZ-4) using low flow groundwater sampling techniques.
- Submit groundwater samples to a Wisconsin-certified laboratory for analysis of VOCs using USEP) Method 8260. Monitoring well PZ-1R will also be sampled for the following MNA parameters: ethane/ethene/methane (USEPA Method 8015B Modified), dissolved iron (USEPA Method 6010 ICP), total organic carbon (Standard Method 5310C), and sulfate (USEPA Method 300.0).
- Document the sampling activities in annual monitoring reports for submittal to the WDNR.

Ramboll proposes to perform the annual sampling events during April of each year. Such a sampling schedule would allow for the monitoring wells to be inspected following the winter/ plowing season. The data collected during the annual groundwater monitoring events will be utilized to determine if additional supplemental injections are needed to further enhance remediation effectiveness.

5. 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.

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.

Ramboll. 2023. *Semi-Annual Progress Report.* Former One-Hour Valet Dry Cleaners, Milwaukee, Wisconsin. January 10.

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

WDNR. 2022. *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[3]	10.90	636.85	9.73	644.97	10.43	638.85	13.30	638.68	13.96	635.27
4/12/2022[3]	9.15	638.60	10.92	643.78	10.60	638.68	12.18	639.80	12.01	637.22
7/7/2022[3] AM	9.46	638.29	10.59	644.11	10.04	639.24	10.86	641.12	12.26	636.97
7/7/2022[3] PM	9.48	638.27	10.11	644.59	10.03	639.25	10.89	641.09	12.24	636.99
10/11/2022[3]	8.56	639.19	10.21	644.49	9.31	639.97	8.89	643.09	11.64	637.59
4/11/2023[3]	8.40	639.35	8.69	646.01	9.26	640.02	8.26	643.72	11.42	637.81

Notes:

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

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

[B] Relative to mean sea level.

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

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

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

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

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

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[3]	10.90	637.36	9.53	640.03	8.70	640.93	16.92	633.81	--	--
4/12/2022[3]	9.73	638.53	9.55	640.01	9.36	640.27	16.93	633.80	--	--
7/7/2022[3] AM	10.21	638.05	8.37	641.19	7.68	641.95	14.87	635.86	--	--
7/7/2022[3] PM	9.88	638.38	8.24	641.32	7.76	641.87	14.87	635.86	--	--
10/11/2022[3]	9.76	638.50	8.45	641.11	8.70	640.93	13.70	637.03	--	--
4/11/2023[3]	10.35	637.91	7.22	642.34	7.02	642.61	12.84	637.89	--	--

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.

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

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[3]	30.00	622.18	--	--	25.98	623.56	--	--	27.55	622.01
4/12/2022[3]	29.51	622.67	--	--	26.50	623.04	--	--	28.27	621.29
7/7/2022[3] AM	28.83	623.35	--	--	25.81	623.73	--	--	27.65	621.91
7/7/2022[3] PM	28.42	623.76	--	--	25.77	623.77	--	--	27.65	621.91
10/11/2022[3]	28.54	623.64	--	--	25.17	624.37	--	--	27.21	622.35
4/11/2023[3]	29.19	622.99	--	--	24.93	624.61	--	--	26.82	622.74

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.

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

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			
MW-5	10/12/2022	649.23	11.64	637.59	10.00	641.80	631.80	636.80	634.7	-15.24	-0.56	Downward
PZ-4	10/12/2022	649.56	27.21	622.35	5.00	609.80	604.80	607.30	607.3			
MW-5	4/11/2023	649.23	11.42	637.81	10.00	641.80	631.80	636.80	634.8	-15.07	-0.55	Downward
PZ-4	4/11/2023	649.56	26.82	622.74	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			
MW-2	4/11/2023	654.70	8.69	646.01	184	8.2	0.045
MW-5	4/11/2023	649.23	11.42	637.81			

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
	10/12/2022	7.30	0.96	74.4	0.00	5,012	17.62
	4/11/2023	7.44	3.61	-68.1	0.00	4,538	13.31
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
	10/12/2022	7.54	0.70	-27.2	0.00	2,387	18.81
	4/11/2023	7.25	0.82	-88.2	0.00	3,696	16.84
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
	10/12/2022	5.71	0.59	-52.3	0.16	17,566	16.47
	4/11/2023	6.82	0.24	-193.4	12.23	16,839	14.23
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

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-9	11/9/2017	7.75	6.40	-42.6	2.00	3,573	11.78
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
	10/12/2022	6.47	0.48	-312.7	9.47	4,987	16.81
	4/11/2023	6.16	0.12	-243.9	71.62	4,076	16.45
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
	10/12/2022	6.90	0.81	-65.8	0.00	7,252	16.46
	4/11/2023	7.00	0.37	-162.9	0.00	6,388	14.45
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
	10/12/2022	6.92	0.98	-110.9	2.45	7,667	17.95
	4/11/2023	6.97	0.82	-175.1	0.00	7,809	16.99

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	Dissolved Oxygen (mg/L)	Ethane (µg/L)	Ethene (µg/L)	pH	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	10.39	NA	NA	NR	NA	NA	NA	NA	NA	-37.0	NA	NA
	5/8/2002	3.57	NA	NA	NR	NA	NA	NA	NA	NA	287.1	NA	NA
	8/7/2003	0.22	NA	NA	NR	NA	NA	NA	NA	NA	161.3	NA	NA
	10/7/2003	1.05	0.028	0.049	NR	NA	NA	NA	14	NA	396.8	NA	NA
	8/25/2009	0.69	<10	<10	NR	NA	NA	NA	<10	NA	95.0	NA	1.26
	11/1/2017	1.69	<0.58	<0.52	7.31	0.0126 J	0.00 J	<0.017	<1.4	<0.095	57.7	<100	<0.25
MW-2	1/14/2002	6.42	NA	NA	NR	NA	NA	NA	NA	NA	168.4	NA	NA
	5/8/2002	1.07	NA	NA	NR	NA	NA	NA	NA	NA	256.9	NA	NA
	8/7/2003	0.10	NA	NA	NR	NA	NA	NA	NA	NA	2.3	NA	NA
	10/7/2003	4.43	0.018	0.021	NR	NA	NA	NA	22	NA	364.0	NA	NA
	8/27/2009	0.98	NA	NA	NR	NA	NA	NA	NA	NA	86.0	NA	NA
	11/1/2017	1.71	<0.58	<0.52	7.70	1.77	0.54	1.2 H3	<1.4	<0.095	-74.3	93.5	<0.25
MW-3	8/7/2003	0.15	NA	NA	NR	NA	NA	NA	NA	NA	68.0	NA	NA
	10/7/2003	5.74	0.16	0.056	NR	NA	NA	NA	45	NA	327.8	NA	NA
	8/27/2009	1.01	NA	NA	NR	NA	NA	NA	NA	NA	16.0	NA	NA
	11/1/2017[1]	0.73	NA	NA	7.56	NA	NA	NA	NA	NA	-125.6	NA	NA
MW-4	8/7/2003	5.83	NA	NA	NR	NA	NA	NA	NA	NA	139.0	NA	NA
	10/7/2003	3.44	0.021	0.033	NR	NA	NA	NA	22	NA	383.4	NA	NA
	8/25/2009	2.55	NA	NA	NR	NA	NA	NA	NA	NA	77.0	NA	NA
	11/2/2017	0.88	NA	NA	7.80	NA	NA	NA	NA	NA	-19.8	NA	NA
	5/2/2019	8.40	NA	NA	7.34	NA	NA	NA	NA	NA	140.7	NA	NA
	8/14/2019	1.82	NA	NA	7.11	NA	NA	NA	NA	NA	79.4	NA	NA
	3/10/2020	8.53	NA	NA	7.15	NA	NA	NA	NA	NA	81.6	NA	NA
	10/28/2020	1.45	NA	NA	6.65	NA	NA	NA	NA	NA	116.0	NA	NA
	4/21/2021	5.40	NA	NA	7.88	NA	NA	NA	NA	NA	53.9	NA	NA
	10/27/2021	2.13	NA	NA	6.82	NA	NA	NA	NA	NA	64.6	NA	NA
	4/13/2022	0.85	NA	NA	7.14	NA	NA	NA	NA	NA	72.6	NA	NA
	10/12/2022	0.96	NA	NA	7.30	NA	NA	NA	NA	NA	74.4	NA	NA
	4/12/2023	3.61	NA	NA	7.44	NA	NA	NA	NA	NA	-68.1	NA	NA
MW-5	8/7/2003	0.86	NA	NA	NR	NA	NA	NA	NA	NA	190.5	NA	NA
	10/7/2003	1.05	0.041	0.0097	NR	NA	NA	NA	0.99	NA	396.8	NA	NA
	8/27/2009	0.99	<10	<10	NR	NA	NA	NA	136	NA	98.0	NA	1.82
	11/2/2017	2.04	NA	NA	8.10	NA	NA	NA	NA	NA	18.6	NA	NA
	5/2/2019	2.01	NA	NA	7.49	NA	NA	NA	NA	NA	159.1	NA	NA
	8/14/2019	0.18	NA	NA	7.53	NA	NA	NA	NA	NA	63.4	NA	NA
	3/10/2020	0.00	NA	NA	7.80	NA	NA	NA	NA	NA	21.1	NA	NA
	10/28/2020	0.29	NA	NA	7.31	NA	NA	NA	NA	NA	47.2	NA	NA
	4/21/2021	0.19	NA	NA	7.85	NA	NA	NA	NA	NA	-18.0	NA	NA
	10/27/2021	0.52	NA	NA	7.40	NA	NA	NA	NA	NA	15.4	NA	NA
	4/13/2022	5.55	NA	NA	7.22	NA	NA	NA	NA	NA	63.1	NA	NA
	10/12/2022	0.70	NA	NA	7.54	NA	NA	NA	NA	NA	-27.2	NA	NA
	4/12/2023	0.82	NA	NA	7.25	NA	NA	NA	NA	NA	-88.2	NA	NA
MW-6	8/25/2009	1.0	NA	NA	NR	NA	NA	NA	NA	NA	-50.0	NA	NA
	11/9/2017[1]	0.62	<0.58	<0.52	7.39	13.6	8.3	5.2 H3	<1.4	<0.095	-112.7	82.4	<0.25
	5/2/2019	11.38	<0.58	<0.52	9.31	103	1,030	<0.20	<1.4	0.25 J	94.8	41.8	6.0
	8/14/2019	0.83	<0.58	<0.52	6.82	1.7	<0.20	2.1 H3	<1.4	<0.0	3.1	95.6	0.57 J
	3/10/2020	0.01	<1.2	<1.2	7.62	6.68	<0.20	7.4 H3	75.2	<0.059	-154.3	87 J	1.8
	10/28/2020	0.26	NA	NA	7.08	NA	NA	NA	NA	NA	-137.5	NA	NA
	4/21/2021	0.41	NA	NA	7.36	NA	NA	NA	NA	NA	-98.1	NA	NA
	10/27/2021	0.44	NA	NA	6.97	NA	NA	NA	NA	NA	-50.4	NA	NA
	4/13/2022	0.41	NA	NA	6.89	NA	NA	NA	NA	NA	-65.1	NA	NA
	10/12/2022	0.59	NA	NA	5.71	NA	NA	NA	NA	NA	-52.3	NA	NA
	4/12/2023	0.24	NA	NA	6.82	NA	NA	NA	NA	NA	-193.4	NA	NA
MW-7	8/26/2009	NA	NA	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2017[2]	7.49	NA	NA	7.72	NA	NA	NA	NA	NA	-50.7	NA	NA
MW-8	8/26/2009	NA	NA	NA	NR	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2017[3]	4.03	NA	NA	7.28	NA	NA	NA	NA	NA	-28.7	NA	NA
MW-9	8/27/2009	NA	<10	<10	NR	NA	NA	NA	<10	NA	NA	NA	1.27
	11/9/2017	6.40	NA	NA	7.75	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	Dissolved Oxygen (mg/L)	Ethane (µg/L)	Ethene (µg/L)	pH	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	0.66	NA	NA	NR	NA	NA	NA	NA	NA	-65.3	NA	NA
	5/8/2003	1.31	NA	NA	NR	NA	NA	NA	NA	NA	-18.3	NA	NA
	8/8/2003	0.12	NA	NA	NR	NA	NA	NA	NA	NA	-93.7	NA	NA
	10/7/2003	0.09	1.7	0.48	NR	NA	NA	NA	7	NA	-97.1	NA	NA
	8/25/2009	0.83	<10	<10	NR	NA	NA	NA	<10	NA	-73.0	NA	2.04
	11/2/2017	0.64	<0.58	<0.52	8.14	2.29	2.2	0.060 H3	<1.4	0.33	38.5	155	0.50 J
PZ-1R	5/2/2019	1.01	337	32.4	7.05	5.88	<0.20	5.8 H3	23.1	<0.095	-102.6	101	124 J
	8/14/2019	0.21	3,060	87.2	6.97	5.70	<0.20	6.5 H3	129	<0.095	-138.4	93.1	184
	3/10/2020	0.00	2,130	974	7.58	4.60	<0.20	5.1 H3	162	<0.059	-270.1	85.9	115
	10/28/2020	0.21	1,560	1,320	6.47	NA	NA	168 C4, H3	1510	NA	-126.9	4.9 J, D3	2,440
	4/21/2021	0.19	1,540	1,090	7.35	NA	NA	19.7 H3	2,680	NA	-487.7	<2.2	499
	10/27/2021	0.18	2.7 J	21.9	6.43	17.1	<0.0281 H3	19.0 H3	1,820	NA	-58.6	<2.2 D3	959
	4/13/2022	0.36	683	3,570	6.62	3.74	<0.058	3.9 H3	5,650	NA	-244.8	66.2	240
	10/12/2022	0.48	1,040 J	7,090	6.47	5.80	<0.50	7.2 H3	13,900	NA	-312.7	<2.2 D3	241
	4/12/2023	0.12	135	4,270	6.16	10.100	<0.13	12 H3	13,300	NA	-243.9	<0.44 M0	177
PZ-2	8/8/2003	0.19	NA	NA	NR	NA	NA	NA	NA	NA	-41.3	NA	NA
	10/6/2003	0.15	1.3	0.79	NR	NA	NA	NA	60	NA	-35.1	NA	NA
	8/27/2009	0.78	NA	NA	NR	NA	NA	NA	NA	NA	-16.0	NA	NA
	11/1/2017[1]	2.67	<0.58	<0.52	7.64	8.82	5.7	3.1	23.1	<0.095	-100.3	178	<0.25
PZ-2R	8/14/2019	0.13	0.82 J	<0.52	7.15	3.20	<0.20	3.6 H3	22	<0.095	-36.8	164	0.40 J
	3/10/2020	0.10	<1.2	<1.2	7.29	2.80	<0.20	2.9 H3, M1	10.3	<0.059	-68.3	140	0.36 M0
	10/28/2020	0.35	NA	NA	6.99	NA	NA	NA	NA	NA	-80.6	NA	NA
	4/21/2021	0.47	NA	NA	7.65	NA	NA	NA	NA	NA	-81.7	NA	NA
	10/27/2021	0.38	NA	NA	7.19	NA	NA	NA	NA	NA	-45.8	NA	NA
	4/13/2022	0.57	NA	NA	7.11	NA	NA	NA	NA	NA	-40.0	NA	NA
	10/12/2022	0.81	NA	NA	6.9	NA	NA	NA	NA	NA	-65.8	NA	NA
	4/12/2023	0.37	NA	NA	7.00	NA	NA	NA	NA	NA	-162.9	NA	NA
PZ-3	8/25/2009	0.72	NA	NA	NR	NA	NA	NA	NA	NA	-53.0	NA	NA
	11/2/2017	1.34	NA	NA	7.98	NA	NA	NA	NA	NA	-103.8	NA	NA
PZ-4	8/25/2009	0.72	NA	NA	NR	NA	NA	NA	NA	NA	-55.0	NA	NA
	11/2/2017	1.47	NA	NA	7.76	NA	NA	NA	NA	NA	-111.8	NA	NA
	5/2/2019	2.99	NA	NA	7.02	NA	NA	NA	NA	NA	48.2	NA	NA
	8/14/2019	0.24	NA	NA	6.95	NA	NA	NA	NA	NA	-40.0	NA	NA
	3/10/2020	0.24	NA	NA	6.98	NA	NA	NA	NA	NA	-61.7	NA	NA
	10/28/2020	7.72	NA	NA	8.77	NA	NA	NA	NA	NA	12.4	NA	NA
	4/21/2021	0.54	NA	NA	7.44	NA	NA	NA	NA	NA	-88.1	NA	NA
	10/27/2021	0.31	NA	NA	7.09	NA	NA	NA	NA	NA	-36.9	NA	NA
	4/13/2022	0.56	NA	NA	6.89	NA	NA	NA	NA	NA	-35.5	NA	NA
	10/12/2022	0.98	NA	NA	6.92	NA	NA	NA	NA	NA	-110.9	NA	NA
	4/12/2023	0.82	NA	NA	6.97	NA	NA	NA	NA	NA	-175.1	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
	10/12/2022	<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
	4/12/2023	<0.30	<0.50	<0.58	<0.47	<0.53	<0.33	<0.32	**44.5**	<0.29	0.4 J	<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
	10/12/2022	<0.30	<1.2	<0.58	*10.6*	<0.53	<0.33	<0.32	**18.6**	<0.29	*3.6*	<0.45	**0.26 J**	<1.0
	4/12/2023	<0.30	<0.50	<0.58	4.4	<0.53	<0.33	<0.32	**10.5**	<0.29	*1.5*	<0.45	<0.17	<1.0

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-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
	10/12/2022	<0.30	<1.2	<0.58	1.3	<0.53	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**0.42 J**	<1.0
	4/12/2023	<0.30	<0.50	<0.58	*9.1*	<0.53	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**1.8**	<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
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
	10/12/2022	<148	<591	<291	**92,600**	<264	<163	<160	**20,200**	<144	**3,350**	<224	**21,900**	<524
	4/12/2023	<148	<252	<291	**72,100**	<264	<163	<160	**1,890**	<144	**240 J**	<224	**17,200**	<524
PZ-2	8/8/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.43 J	<0.25	<0.25	**5.8**	<0.5
	10/6/2003	ND	<0.25	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.25	<0.25	<0.25	**8.9**	<0.5
	8/27/2009	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.2	<0.2	**14**	<0.5
	11/1/2017	<0.50	<2.5	<0.41	4.1	<0.26	<0.50	<0.23	<0.50	<0.50	<0.33	<0.50	**11.0**	<1.5
	5/2/2019[6]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		PZ-2 abandoned on 7/19/2019. PZ-2R was installed on 7/19/2019.												
PZ-2R	8/14/2019	<0.25	<1.3	<0.24	*26.9*	<1.1	<0.22	<0.58	**12.7**	<0.17	0.39 J	<0.84	**15.5**	<1.5
	3/10/2020	<0.25	<1.3	<0.24	*33.9*	<1.1	<0.32	<0.58	<0.33	<0.27	<0.26	<0.84	**11.3**	<1.5
	10/28/2020	<0.25	<1.3	<0.24	**90.2**	1.1 J	<0.32	<0.58	<0.33	<0.27	<0.26	<0.84	**10.8**	<1.5
	4/21/2021	<0.30	<1.2	<0.58	**109**	1.5	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**14.1**	<1.0
	10/27/2021	<0.30	<1.2	<0.58	**104**	1.3	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**12.6**	<1.0
	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
	10/12/2022	<0.30	<1.2	<0.58	**121**	1.7	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**11.1**	<1.0
	4/12/2023	<0.30	<0.50	<0.58	**89.9**	1.5	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**11.8**	<1.0

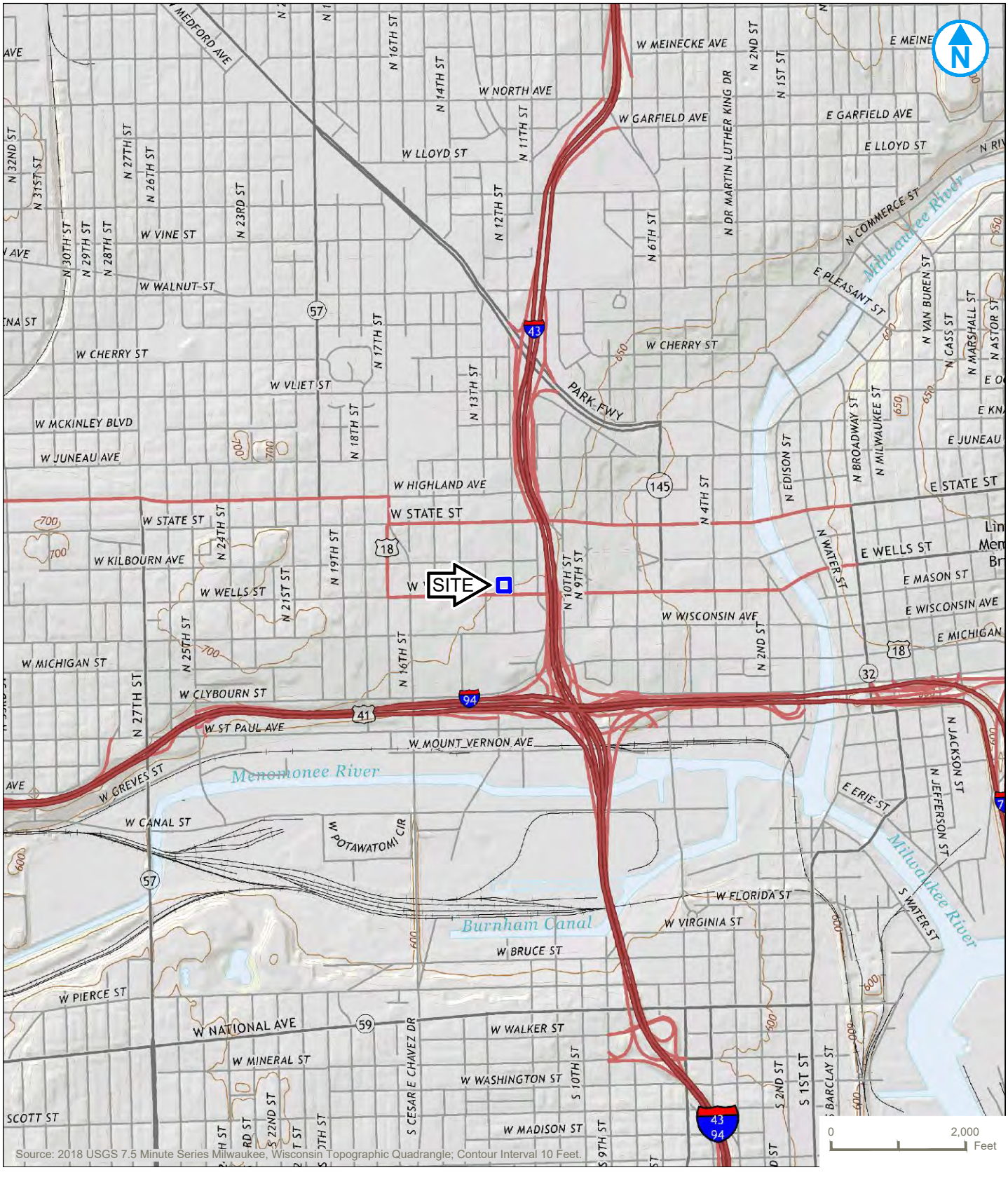
TABLE 5
Groundwater Analytical Results - Summary of Detected Constituents
Former One-Hour Valet Dry Cleaners
1214 West Wells Street, Milwaukee, Wisconsin
Ramboll Project No. 1690005819

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-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
	10/12/2022	<0.30	<1.2	<0.58	<0.47	<0.53	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**1.4**	<1.0
	4/12/2023	<0.30	<0.50	<0.58	<0.47	<0.53	<0.33	<0.32	<0.41	<0.29	<0.32	<0.45	**3.7**	<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

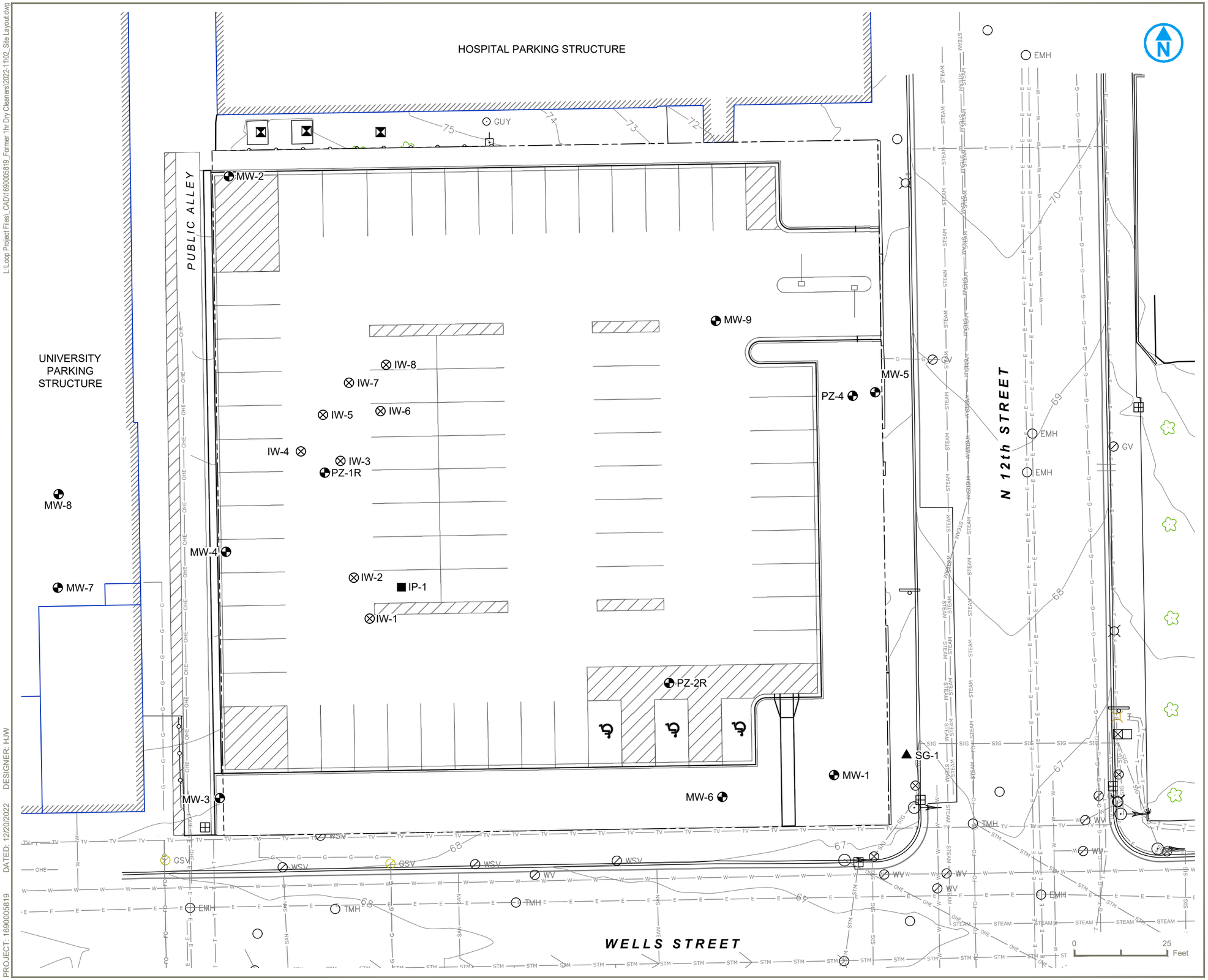
FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN

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



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)

SITE LAYOUT

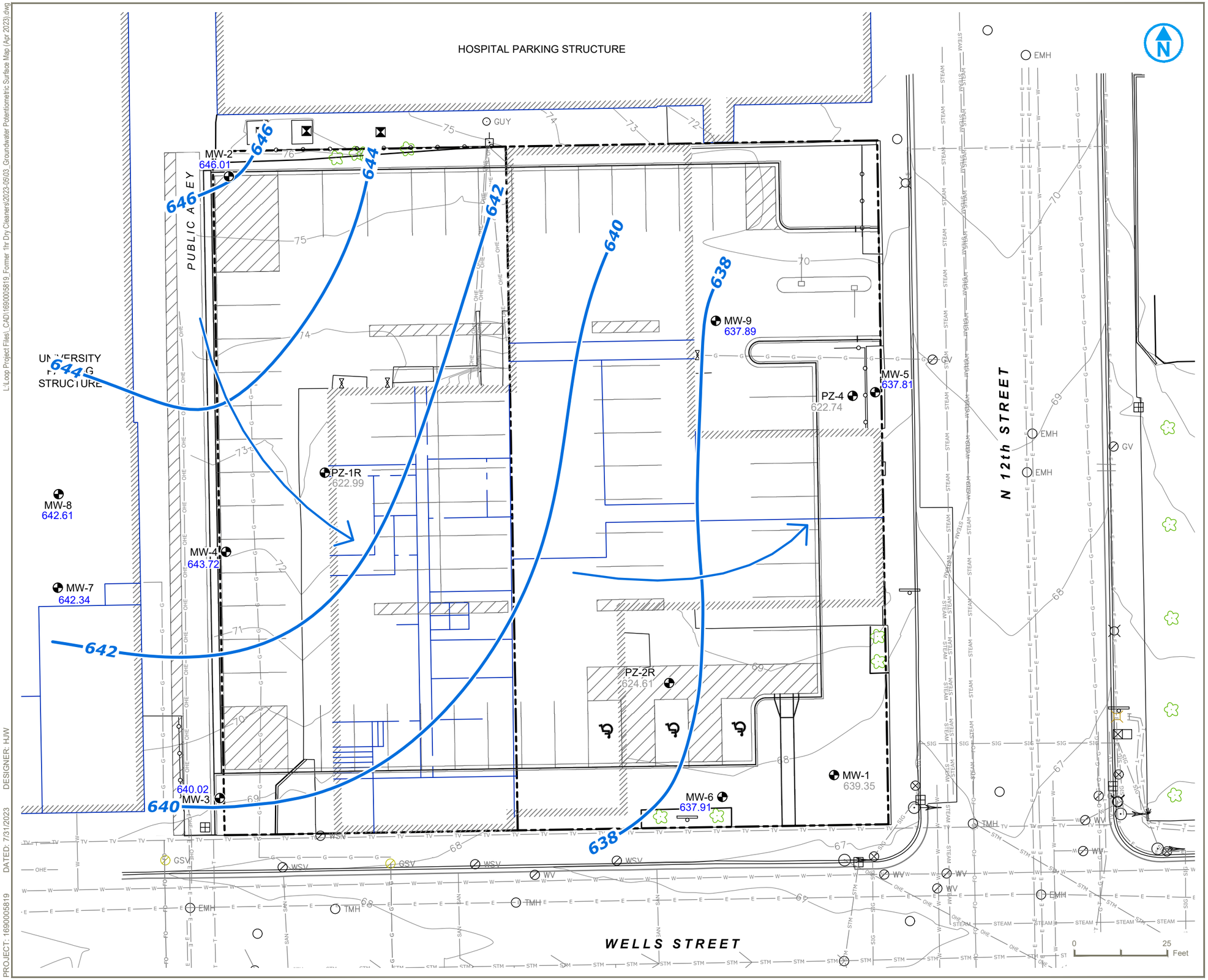
FORMER ONE-HOUR VALET DRY CLEANERS
1214 WEST WELLS STREET
MILWAUKEE, WISCONSIN

FIGURE 2

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690005819 DATED: 12/20/2022 DESIGNER: HJW
L:\Loop Project Files_CAD\1690005819_Former 1hr Dry Cleaners\2022-11\02_Site Layout.dwg



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
- 637.91 — GROUNDWATER ELEVATION (FT)
- 638 — GROUNDWATER CONTOUR (2-FT INTERVAL)
- GROUNDWATER FLOW DIRECTION

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

GROUNDWATER POTENTIOMETRIC SURFACE MAP (APRIL 2023)

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

FIGURE 3

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690005819 DATED: 7/31/2023 DESIGNER: HJW
L:\Loop Project Files_CAD\1690005819_Former 1hr Dry Cleaners\2023-0503_Groundwater Potentiometric Surface Map (Apr 2023).dwg

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

HOSPITAL PARKING STRUCTURE

UNIVERSITY PARKING STRUCTURE

PUBLIC ALLEY

WELLS STREET

N 12TH STREET

MW-2 NS

MW-9 NS

MW-5 NS

MW-8 NS

MW-7 NS

MW-3 NS

MW-1 NS

PZ-1R

PZ-1R	
DATE:	4/12/2023
cis-1,2-DCE	**72,100**
trans-1,2-DCE	<264
PCE	**1,890**
TCE	**240 J**
VC	**17,200**

PZ-4

PZ-4	
DATE:	4/12/2023
cis-1,2-DCE	<0.47
trans-1,2-DCE	<0.53
PCE	<0.41
TCE	<0.32
VC	**3.7**

MW-5	
DATE:	4/12/2023
cis-1,2-DCE	4.4
trans-1,2-DCE	<0.53
PCE	**10.5**
TCE	*1.5*
VC	<0.17

MW-4

MW-4	
DATE:	4/12/2023
cis-1,2-DCE	<0.47
trans-1,2-DCE	<0.53
PCE	**44.5**
TCE	0.4 J
VC	<0.17

PZ-2R

PZ-2R	
DATE:	4/12/2023
cis-1,2-DCE	**89.9**
trans-1,2-DCE	1.5
PCE	<0.41
TCE	<0.32
VC	**11.8**

MW-6

MW-6	
DATE:	4/12/2023
cis-1,2-DCE	*9.1*
trans-1,2-DCE	<0.53
PCE	<0.41
TCE	<0.32
VC	**1.8**

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 2023)

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

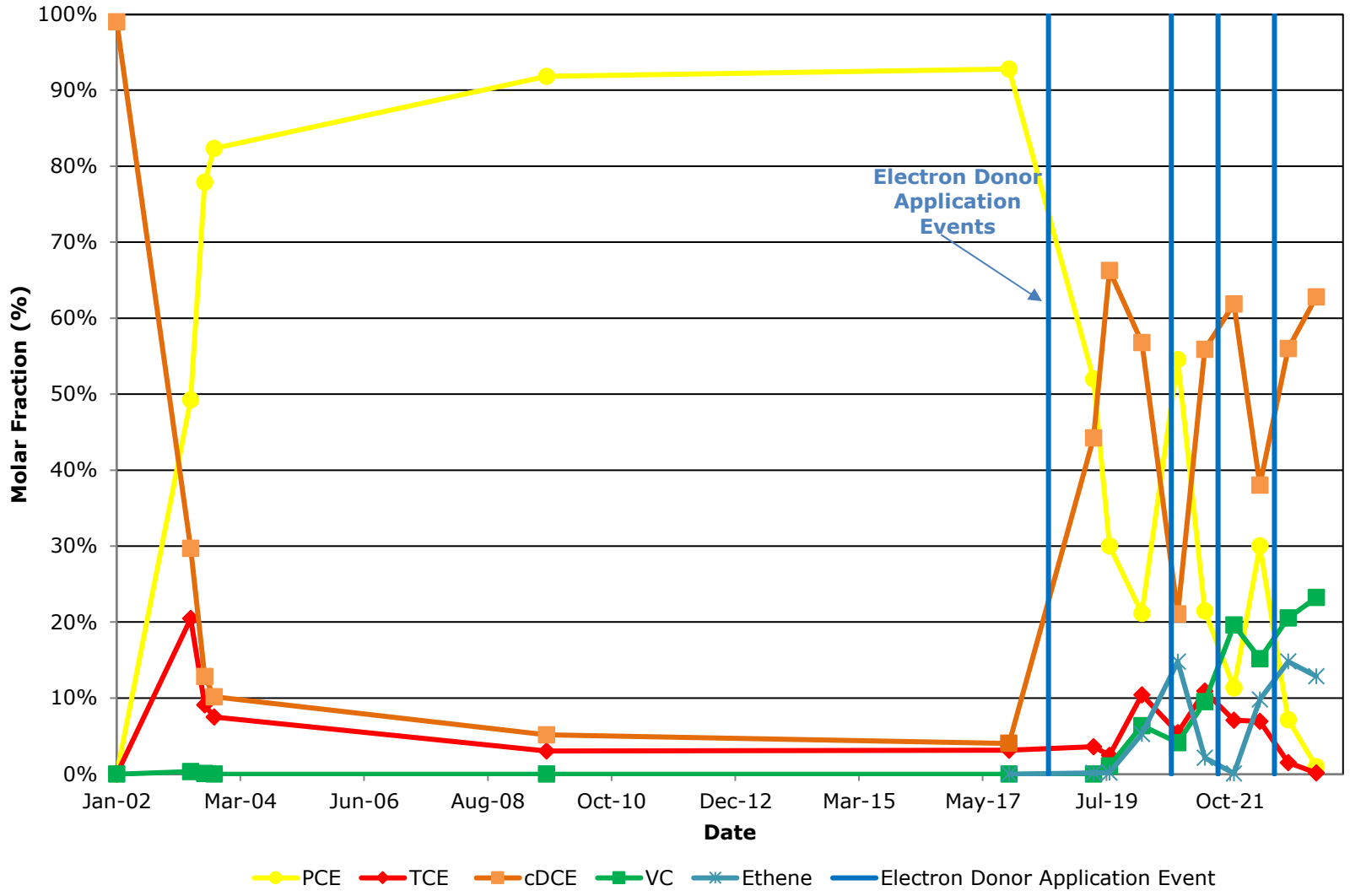
FIGURE 4

RAMBOLL US CONSULTING, INC.
A RAMBOLL COMPANY

RAMBOLL

L:\Loop Project Files_CAD\1690005819_Former 1hr Dry Cleaners\2023-0504_CVOC Concentrations in GW (Apr 2023).dwg
DESIGNER: HJW
DATED: 5/23/2023
PROJECT: 1690005819

Figure 5: Molar Fraction of VOCs at Well PZ-1/PZ-1R
Former One-Hour Valet Dry Cleaners, Milwaukee, Wisconsin



RAMBOLL

APPENDIX A

LABORATORY ANALYTICAL REPORTS

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

April 24, 2023

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

RE: Project: 1690005819
Pace Project No.: 40260613

Dear Susan Petrofske:

Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 2023. 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.
Michelle Peters, Ramboll

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

CERTIFICATIONS

Project: 1690005819
Pace Project No.: 40260613

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
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

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

SAMPLE SUMMARY

Project: 1690005819
Pace Project No.: 40260613

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40260613001	**PZ-2R**	Water	04/12/23 07:39	04/13/23 09:10
40260613002	**MW-6**	Water	04/12/23 08:15	04/13/23 09:10
40260613003	**MW-6 DUP**	Water	04/12/23 08:17	04/13/23 09:10
40260613004	**PZ-4**	Water	04/12/23 09:08	04/13/23 09:10
40260613005	**MW-5**	Water	04/12/23 09:45	04/13/23 09:10
40260613006	**MW-4**	Water	04/12/23 10:35	04/13/23 09:10
40260613007	**PZ-1R**	Water	04/12/23 11:23	04/13/23 09:10
40260613008	**TRIP BLANK**	Water		04/13/23 09:10

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SAMPLE ANALYTE COUNT

Project: 1690005819
Pace Project No.: 40260613

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40260613001	**PZ-2R**	EPA 8260	EIB	65
40260613002	**MW-6**	EPA 8260	EIB	65
40260613003	**MW-6 DUP**	EPA 8260	EIB	65
40260613004	**PZ-4**	EPA 8260	EIB	65
40260613005	**MW-5**	EPA 8260	EIB	65
40260613006	**MW-4**	EPA 8260	EIB	65
40260613007	**PZ-1R**	EPA 8015B Modified	KHB	3
		EPA 6020B	KXS	1
		EPA 8260	EIB	65
		HACH 8146	BAF	1
		EPA 300.0	HMB	1
		SM 5310C	TJJ	1
40260613008	**TRIP BLANK**	EPA 8260	EIB	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
Pace Project No.: 40260613

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40260613001	**PZ-2R**					
EPA 8260	cis-1,2-Dichloroethene	89.9	ug/L	1.0	04/17/23 20:51	
EPA 8260	trans-1,2-Dichloroethene	1.5	ug/L	1.0	04/17/23 20:51	
EPA 8260	Vinyl chloride	11.8	ug/L	1.0	04/17/23 20:51	
40260613002	**MW-6**					
EPA 8260	cis-1,2-Dichloroethene	9.1	ug/L	1.0	04/17/23 21:11	
EPA 8260	Vinyl chloride	1.8	ug/L	1.0	04/17/23 21:11	
40260613003	**MW-6 DUP**					
EPA 8260	cis-1,2-Dichloroethene	8.4	ug/L	1.0	04/17/23 21:30	
EPA 8260	Vinyl chloride	1.7	ug/L	1.0	04/17/23 21:30	
40260613004	**PZ-4**					
EPA 8260	Vinyl chloride	3.7	ug/L	1.0	04/17/23 21:50	
40260613005	**MW-5**					
EPA 8260	cis-1,2-Dichloroethene	4.4	ug/L	1.0	04/17/23 22:09	
EPA 8260	Tetrachloroethene	10.5	ug/L	1.0	04/17/23 22:09	
EPA 8260	Trichloroethene	1.5	ug/L	1.0	04/17/23 22:09	
40260613006	**MW-4**					
EPA 8260	Tetrachloroethene	44.5	ug/L	1.0	04/17/23 22:29	
EPA 8260	Trichloroethene	0.40J	ug/L	1.0	04/17/23 22:29	
40260613007	**PZ-1R**					
EPA 8015B Modified	Ethane	135	ug/L	5.6	04/13/23 11:38	
EPA 8015B Modified	Ethene	4270	ug/L	500	04/13/23 12:42	
EPA 8015B Modified	Methane	13300	ug/L	280	04/13/23 12:42	
EPA 6020B	Iron	10100	ug/L	250	04/20/23 00:02	
EPA 8260	cis-1,2-Dichloroethene	72100	ug/L	500	04/18/23 01:03	
EPA 8260	Tetrachloroethene	1890	ug/L	500	04/18/23 01:03	
EPA 8260	Trichloroethene	240J	ug/L	500	04/18/23 01:03	
EPA 8260	Vinyl chloride	17200	ug/L	500	04/18/23 01:03	
SM 5310C	Total Organic Carbon	177	mg/L	150	04/18/23 09:22	

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

ANALYTICAL RESULTS

Project: 1690005819
Pace Project No.: 40260613

Sample: PZ-2R **Lab ID: 40260613001** Collected: 04/12/23 07:39 Received: 04/13/23 09:10 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		04/17/23 20:51	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 20:51	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.0	0.36	1		04/17/23 20:51	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 20:51	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/17/23 20:51	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/17/23 20:51	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 20:51	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/17/23 20:51	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/17/23 20:51	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/17/23 20:51	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 20:51	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/17/23 20:51	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/17/23 20:51	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/17/23 20:51	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 20:51	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 20:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/17/23 20:51	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/17/23 20:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/17/23 20:51	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/17/23 20:51	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 20:51	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 20:51	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/17/23 20:51	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/17/23 20:51	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 20:51	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/17/23 20:51	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/17/23 20:51	75-35-4	
cis-1,2-Dichloroethene	**89.9**	ug/L	1.0	0.47	1		04/17/23 20:51	156-59-2	
trans-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.53	1		04/17/23 20:51	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/17/23 20:51	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 20:51	142-28-9	
2,2-Dichloropropane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 20:51	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 20:51	563-58-6	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/17/23 20:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/17/23 20:51	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 20:51	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 20:51	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/17/23 20:51	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/17/23 20:51	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 20:51	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/17/23 20:51	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 20:51	1634-04-4	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/17/23 20:51	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 20:51	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 20:51	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
Pace Project No.: 40260613

Sample: PZ-2R **Lab ID: 40260613001** Collected: 04/12/23 07:39 Received: 04/13/23 09:10 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		04/17/23 20:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/17/23 20:51	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 20:51	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/17/23 20:51	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 20:51	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/17/23 20:51	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 20:51	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/17/23 20:51	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/17/23 20:51	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 20:51	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	1.0	0.56	1		04/17/23 20:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/17/23 20:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 20:51	108-67-8	
Vinyl chloride	**11.8**	ug/L	1.0	0.17	1		04/17/23 20:51	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/17/23 20:51	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/17/23 20:51	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 20:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		04/17/23 20:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/17/23 20:51	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/17/23 20:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690005819
Pace Project No.: 40260613

Sample: MW-6 **Lab ID: 40260613002** Collected: 04/12/23 08:15 Received: 04/13/23 09:10 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		04/17/23 21:11	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:11	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:11	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:11	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/17/23 21:11	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/17/23 21:11	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 21:11	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:11	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/17/23 21:11	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/17/23 21:11	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 21:11	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/17/23 21:11	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/17/23 21:11	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/17/23 21:11	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 21:11	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 21:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/17/23 21:11	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/17/23 21:11	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/17/23 21:11	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/17/23 21:11	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 21:11	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:11	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/17/23 21:11	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/17/23 21:11	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:11	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/17/23 21:11	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/17/23 21:11	75-35-4	
cis-1,2-Dichloroethene	**9.1**	ug/L	1.0	0.47	1		04/17/23 21:11	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/17/23 21:11	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/17/23 21:11	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:11	142-28-9	
2,2-Dichloropropane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:11	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 21:11	563-58-6	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/17/23 21:11	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/17/23 21:11	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 21:11	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 21:11	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/17/23 21:11	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:11	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:11	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/17/23 21:11	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 21:11	1634-04-4	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/17/23 21:11	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:11	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:11	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
Pace Project No.: 40260613

Sample: MW-6 **Lab ID: 40260613002** Collected: 04/12/23 08:15 Received: 04/13/23 09:10 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		04/17/23 21:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/17/23 21:11	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 21:11	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/17/23 21:11	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:11	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/17/23 21:11	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:11	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/17/23 21:11	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/17/23 21:11	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:11	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	1.0	0.56	1		04/17/23 21:11	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/17/23 21:11	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:11	108-67-8	
Vinyl chloride	**1.8**	ug/L	1.0	0.17	1		04/17/23 21:11	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/17/23 21:11	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/17/23 21:11	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/17/23 21:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		04/17/23 21:11	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/17/23 21:11	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
Pace Project No.: 40260613

Sample: MW-6 DUP **Lab ID: 40260613003** Collected: 04/12/23 08:17 Received: 04/13/23 09:10 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		04/17/23 21:30	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:30	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:30	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:30	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/17/23 21:30	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/17/23 21:30	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 21:30	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:30	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/17/23 21:30	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/17/23 21:30	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 21:30	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/17/23 21:30	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/17/23 21:30	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/17/23 21:30	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 21:30	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 21:30	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/17/23 21:30	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/17/23 21:30	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/17/23 21:30	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/17/23 21:30	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 21:30	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:30	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/17/23 21:30	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/17/23 21:30	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:30	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/17/23 21:30	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/17/23 21:30	75-35-4	
cis-1,2-Dichloroethene	**8.4**	ug/L	1.0	0.47	1		04/17/23 21:30	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/17/23 21:30	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/17/23 21:30	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:30	142-28-9	
2,2-Dichloropropane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:30	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 21:30	563-58-6	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/17/23 21:30	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/17/23 21:30	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 21:30	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 21:30	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/17/23 21:30	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:30	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:30	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/17/23 21:30	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 21:30	1634-04-4	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/17/23 21:30	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:30	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:30	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
Pace Project No.: 40260613

Sample: MW-6 DUP **Lab ID: 40260613003** Collected: 04/12/23 08:17 Received: 04/13/23 09:10 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		04/17/23 21:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/17/23 21:30	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 21:30	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/17/23 21:30	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:30	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/17/23 21:30	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:30	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/17/23 21:30	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/17/23 21:30	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:30	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	1.0	0.56	1		04/17/23 21:30	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/17/23 21:30	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:30	108-67-8	
Vinyl chloride	**1.7**	ug/L	1.0	0.17	1		04/17/23 21:30	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/17/23 21:30	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/17/23 21:30	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/17/23 21:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/17/23 21:30	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/17/23 21:30	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
Pace Project No.: 40260613

Sample: PZ-4 **Lab ID: 40260613004** Collected: 04/12/23 09:08 Received: 04/13/23 09:10 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		04/17/23 21:50	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:50	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:50	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:50	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/17/23 21:50	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/17/23 21:50	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 21:50	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:50	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/17/23 21:50	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/17/23 21:50	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 21:50	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/17/23 21:50	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/17/23 21:50	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/17/23 21:50	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 21:50	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 21:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/17/23 21:50	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/17/23 21:50	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/17/23 21:50	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/17/23 21:50	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 21:50	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:50	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/17/23 21:50	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/17/23 21:50	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:50	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/17/23 21:50	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/17/23 21:50	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/17/23 21:50	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/17/23 21:50	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/17/23 21:50	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:50	142-28-9	
2,2-Dichloropropane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:50	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 21:50	563-58-6	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/17/23 21:50	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/17/23 21:50	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 21:50	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 21:50	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/17/23 21:50	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:50	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:50	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/17/23 21:50	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 21:50	1634-04-4	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/17/23 21:50	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:50	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:50	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690005819
Pace Project No.: 40260613

Sample: PZ-4 **Lab ID: 40260613004** Collected: 04/12/23 09:08 Received: 04/13/23 09:10 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		04/17/23 21:50	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/17/23 21:50	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 21:50	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/17/23 21:50	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 21:50	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/17/23 21:50	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 21:50	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/17/23 21:50	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/17/23 21:50	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 21:50	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	1.0	0.56	1		04/17/23 21:50	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/17/23 21:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 21:50	108-67-8	
Vinyl chloride	**3.7**	ug/L	1.0	0.17	1		04/17/23 21:50	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/17/23 21:50	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/17/23 21:50	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 21:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		04/17/23 21:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/17/23 21:50	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/17/23 21:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690005819
Pace Project No.: 40260613

Sample: MW-5 **Lab ID: 40260613005** Collected: 04/12/23 09:45 Received: 04/13/23 09:10 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		04/17/23 22:09	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 22:09	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.0	0.36	1		04/17/23 22:09	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 22:09	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/17/23 22:09	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/17/23 22:09	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 22:09	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/17/23 22:09	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/17/23 22:09	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/17/23 22:09	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 22:09	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/17/23 22:09	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/17/23 22:09	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/17/23 22:09	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 22:09	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 22:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/17/23 22:09	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/17/23 22:09	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/17/23 22:09	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/17/23 22:09	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 22:09	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 22:09	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/17/23 22:09	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/17/23 22:09	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 22:09	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/17/23 22:09	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/17/23 22:09	75-35-4	
cis-1,2-Dichloroethene	**4.4**	ug/L	1.0	0.47	1		04/17/23 22:09	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/17/23 22:09	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/17/23 22:09	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 22:09	142-28-9	
2,2-Dichloropropane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 22:09	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 22:09	563-58-6	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/17/23 22:09	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/17/23 22:09	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 22:09	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 22:09	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/17/23 22:09	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/17/23 22:09	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 22:09	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/17/23 22:09	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 22:09	1634-04-4	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/17/23 22:09	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 22:09	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 22:09	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
Pace Project No.: 40260613

Sample: MW-5 **Lab ID: 40260613005** Collected: 04/12/23 09:45 Received: 04/13/23 09:10 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		04/17/23 22:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/17/23 22:09	79-34-5	
Tetrachloroethene	**10.5**	ug/L	1.0	0.41	1		04/17/23 22:09	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/17/23 22:09	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 22:09	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/17/23 22:09	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 22:09	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/17/23 22:09	79-00-5	
Trichloroethene	**1.5**	ug/L	1.0	0.32	1		04/17/23 22:09	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 22:09	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	1.0	0.56	1		04/17/23 22:09	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/17/23 22:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 22:09	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/17/23 22:09	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/17/23 22:09	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/17/23 22:09	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 22:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/17/23 22:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/17/23 22:09	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/17/23 22:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690005819
Pace Project No.: 40260613

Sample: MW-4 **Lab ID: 40260613006** Collected: 04/12/23 10:35 Received: 04/13/23 09:10 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		04/17/23 22:29	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 22:29	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.0	0.36	1		04/17/23 22:29	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 22:29	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/17/23 22:29	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/17/23 22:29	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 22:29	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/17/23 22:29	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/17/23 22:29	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/17/23 22:29	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 22:29	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/17/23 22:29	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/17/23 22:29	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/17/23 22:29	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 22:29	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 22:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/17/23 22:29	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/17/23 22:29	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/17/23 22:29	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/17/23 22:29	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 22:29	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 22:29	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/17/23 22:29	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/17/23 22:29	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 22:29	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/17/23 22:29	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/17/23 22:29	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/17/23 22:29	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/17/23 22:29	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/17/23 22:29	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 22:29	142-28-9	
2,2-Dichloropropane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 22:29	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 22:29	563-58-6	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/17/23 22:29	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/17/23 22:29	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 22:29	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 22:29	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/17/23 22:29	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/17/23 22:29	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 22:29	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/17/23 22:29	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 22:29	1634-04-4	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/17/23 22:29	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 22:29	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 22:29	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

Project: 1690005819
Pace Project No.: 40260613

Sample: MW-4 **Lab ID: 40260613006** Collected: 04/12/23 10:35 Received: 04/13/23 09:10 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		04/17/23 22:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/17/23 22:29	79-34-5	
Tetrachloroethene	**44.5**	ug/L	1.0	0.41	1		04/17/23 22:29	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/17/23 22:29	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 22:29	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/17/23 22:29	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 22:29	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/17/23 22:29	79-00-5	
Trichloroethene	**0.40J**	ug/L	1.0	0.32	1		04/17/23 22:29	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 22:29	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	1.0	0.56	1		04/17/23 22:29	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/17/23 22:29	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 22:29	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/17/23 22:29	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/17/23 22:29	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/17/23 22:29	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 22:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/17/23 22:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/17/23 22:29	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/17/23 22:29	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
Pace Project No.: 40260613

Sample: PZ-1R **Lab ID: 40260613007** Collected: 04/12/23 11:23 Received: 04/13/23 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**135**	ug/L	5.6	0.39	1		04/13/23 11:38	74-84-0	
Ethene	**4270**	ug/L	500	25.2	100		04/13/23 12:42	74-85-1	
Methane	**13300**	ug/L	280	57.6	100		04/13/23 12:42	74-82-8	
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Iron	**10100**	ug/L	250	58.0	1	04/18/23 06:17	04/20/23 00:02	7439-89-6	
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<148**	ug/L	500	148	500		04/18/23 01:03	71-43-2	
Bromobenzene	**<180**	ug/L	500	180	500		04/18/23 01:03	108-86-1	
Bromochloromethane	**<179**	ug/L	500	179	500		04/18/23 01:03	74-97-5	
Bromodichloromethane	**<208**	ug/L	500	208	500		04/18/23 01:03	75-27-4	
Bromoform	**<214**	ug/L	500	214	500		04/18/23 01:03	75-25-2	
Bromomethane	**<596**	ug/L	2500	596	500		04/18/23 01:03	74-83-9	
n-Butylbenzene	**<429**	ug/L	500	429	500		04/18/23 01:03	104-51-8	
sec-Butylbenzene	**<212**	ug/L	500	212	500		04/18/23 01:03	135-98-8	
tert-Butylbenzene	**<293**	ug/L	500	293	500		04/18/23 01:03	98-06-6	
Carbon tetrachloride	**<185**	ug/L	500	185	500		04/18/23 01:03	56-23-5	
Chlorobenzene	**<428**	ug/L	500	428	500		04/18/23 01:03	108-90-7	
Chloroethane	**<690**	ug/L	2500	690	500		04/18/23 01:03	75-00-3	
Chloroform	**<252**	ug/L	2500	252	500		04/18/23 01:03	67-66-3	
Chloromethane	**<818**	ug/L	2500	818	500		04/18/23 01:03	74-87-3	
2-Chlorotoluene	**<445**	ug/L	2500	445	500		04/18/23 01:03	95-49-8	
4-Chlorotoluene	**<447**	ug/L	2500	447	500		04/18/23 01:03	106-43-4	
1,2-Dibromo-3-chloropropane	**<1180**	ug/L	2500	1180	500		04/18/23 01:03	96-12-8	
Dibromochloromethane	**<1320**	ug/L	2500	1320	500		04/18/23 01:03	124-48-1	
1,2-Dibromoethane (EDB)	**<155**	ug/L	500	155	500		04/18/23 01:03	106-93-4	
Dibromomethane	**<495**	ug/L	2500	495	500		04/18/23 01:03	74-95-3	
1,2-Dichlorobenzene	**<163**	ug/L	500	163	500		04/18/23 01:03	95-50-1	
1,3-Dichlorobenzene	**<176**	ug/L	500	176	500		04/18/23 01:03	541-73-1	
1,4-Dichlorobenzene	**<446**	ug/L	500	446	500		04/18/23 01:03	106-46-7	
Dichlorodifluoromethane	**<228**	ug/L	2500	228	500		04/18/23 01:03	75-71-8	
1,1-Dichloroethane	**<148**	ug/L	500	148	500		04/18/23 01:03	75-34-3	
1,2-Dichloroethane	**<146**	ug/L	500	146	500		04/18/23 01:03	107-06-2	
1,1-Dichloroethene	**<291**	ug/L	500	291	500		04/18/23 01:03	75-35-4	
cis-1,2-Dichloroethene	**72100**	ug/L	500	236	500		04/18/23 01:03	156-59-2	
trans-1,2-Dichloroethene	**<264**	ug/L	500	264	500		04/18/23 01:03	156-60-5	
1,2-Dichloropropane	**<224**	ug/L	500	224	500		04/18/23 01:03	78-87-5	
1,3-Dichloropropane	**<152**	ug/L	500	152	500		04/18/23 01:03	142-28-9	
2,2-Dichloropropane	**<209**	ug/L	500	209	500		04/18/23 01:03	594-20-7	
1,1-Dichloropropene	**<205**	ug/L	500	205	500		04/18/23 01:03	563-58-6	
cis-1,3-Dichloropropene	**<119**	ug/L	500	119	500		04/18/23 01:03	10061-01-5	
trans-1,3-Dichloropropene	**<133**	ug/L	500	133	500		04/18/23 01:03	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
Pace Project No.: 40260613

Sample: PZ-1R **Lab ID: 40260613007** Collected: 04/12/23 11:23 Received: 04/13/23 09:10 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		04/18/23 01:03	108-20-3	
Ethylbenzene	**<163**	ug/L	500	163	500		04/18/23 01:03	100-41-4	
Hexachloro-1,3-butadiene	**<1370**	ug/L	2500	1370	500		04/18/23 01:03	87-68-3	
Isopropylbenzene (Cumene)	**<500**	ug/L	2500	500	500		04/18/23 01:03	98-82-8	
p-Isopropyltoluene	**<522**	ug/L	2500	522	500		04/18/23 01:03	99-87-6	
Methylene Chloride	**<160**	ug/L	2500	160	500		04/18/23 01:03	75-09-2	
Methyl-tert-butyl ether	**<565**	ug/L	2500	565	500		04/18/23 01:03	1634-04-4	
Naphthalene	**<959**	ug/L	2500	959	500		04/18/23 01:03	91-20-3	
n-Propylbenzene	**<173**	ug/L	500	173	500		04/18/23 01:03	103-65-1	
Styrene	**<178**	ug/L	500	178	500		04/18/23 01:03	100-42-5	
1,1,1,2-Tetrachloroethane	**<178**	ug/L	500	178	500		04/18/23 01:03	630-20-6	
1,1,2,2-Tetrachloroethane	**<189**	ug/L	500	189	500		04/18/23 01:03	79-34-5	
Tetrachloroethene	**1890**	ug/L	500	204	500		04/18/23 01:03	127-18-4	
Toluene	**<144**	ug/L	500	144	500		04/18/23 01:03	108-88-3	
1,2,3-Trichlorobenzene	**<509**	ug/L	2500	509	500		04/18/23 01:03	87-61-6	
1,2,4-Trichlorobenzene	**<475**	ug/L	2500	475	500		04/18/23 01:03	120-82-1	
1,1,1-Trichloroethane	**<151**	ug/L	500	151	500		04/18/23 01:03	71-55-6	
1,1,2-Trichloroethane	**<172**	ug/L	500	172	500		04/18/23 01:03	79-00-5	
Trichloroethene	**240J**	ug/L	500	160	500		04/18/23 01:03	79-01-6	
Trichlorofluoromethane	**<209**	ug/L	500	209	500		04/18/23 01:03	75-69-4	
1,2,3-Trichloropropane	**<278**	ug/L	500	278	500		04/18/23 01:03	96-18-4	
1,2,4-Trimethylbenzene	**<224**	ug/L	500	224	500		04/18/23 01:03	95-63-6	
1,3,5-Trimethylbenzene	**<179**	ug/L	500	179	500		04/18/23 01:03	108-67-8	
Vinyl chloride	**17200**	ug/L	500	87.2	500		04/18/23 01:03	75-01-4	
Xylene (Total)	**<524**	ug/L	1500	524	500		04/18/23 01:03	1330-20-7	
m&p-Xylene	**<350**	ug/L	1000	350	500		04/18/23 01:03	179601-23-1	
o-Xylene	**<174**	ug/L	500	174	500		04/18/23 01:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		500		04/18/23 01:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		500		04/18/23 01:03	2199-69-1	
Toluene-d8 (S)	103	%	70-130		500		04/18/23 01:03	2037-26-5	
Iron, Ferric Calculation	Analytical Method: HACH 8146 Pace Analytical Services - Green Bay								
Iron, Ferric	**<0.13**	mg/L	0.50	0.13	10		04/24/23 12:13	20074-52-6	1q,2q
300.0 IC Anions	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	**<0.44**	mg/L	2.0	0.44	1		04/20/23 17:45	14808-79-8	M0
5310C TOC	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	**177**	mg/L	150	41.5	300		04/18/23 09:22	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
Pace Project No.: 40260613

Sample: TRIP BLANK **Lab ID: 40260613008** Collected: Received: 04/13/23 09:10 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		04/17/23 19:33	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 19:33	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.0	0.36	1		04/17/23 19:33	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 19:33	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/17/23 19:33	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/17/23 19:33	74-83-9	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 19:33	104-51-8	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/17/23 19:33	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/17/23 19:33	98-06-6	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/17/23 19:33	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/17/23 19:33	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/17/23 19:33	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/17/23 19:33	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/17/23 19:33	74-87-3	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 19:33	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/17/23 19:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/17/23 19:33	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/17/23 19:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/17/23 19:33	106-93-4	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/17/23 19:33	74-95-3	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 19:33	95-50-1	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 19:33	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/17/23 19:33	106-46-7	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/17/23 19:33	75-71-8	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 19:33	75-34-3	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/17/23 19:33	107-06-2	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/17/23 19:33	75-35-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/17/23 19:33	156-59-2	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/17/23 19:33	156-60-5	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/17/23 19:33	78-87-5	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 19:33	142-28-9	
2,2-Dichloropropane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 19:33	594-20-7	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 19:33	563-58-6	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/17/23 19:33	10061-01-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/17/23 19:33	10061-02-6	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 19:33	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/17/23 19:33	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/17/23 19:33	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/17/23 19:33	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 19:33	99-87-6	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/17/23 19:33	75-09-2	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/17/23 19:33	1634-04-4	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/17/23 19:33	91-20-3	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 19:33	103-65-1	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 19:33	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
Pace Project No.: 40260613

Sample: TRIP BLANK **Lab ID: 40260613008** Collected: Received: 04/13/23 09:10 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		04/17/23 19:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/17/23 19:33	79-34-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/17/23 19:33	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/17/23 19:33	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/17/23 19:33	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/17/23 19:33	120-82-1	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/17/23 19:33	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/17/23 19:33	79-00-5	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/17/23 19:33	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/17/23 19:33	75-69-4	
1,2,3-Trichloropropane	**<0.56**	ug/L	1.0	0.56	1		04/17/23 19:33	96-18-4	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/17/23 19:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/17/23 19:33	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/17/23 19:33	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/17/23 19:33	1330-20-7	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/17/23 19:33	179601-23-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/17/23 19:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/17/23 19:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/17/23 19:33	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/17/23 19:33	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
Pace Project No.: 40260613

QC Batch: 442251
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: 40260613007

METHOD BLANK: 2539141 Matrix: Water
Associated Lab Samples: 40260613007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	04/13/23 08:46	
Ethene	ug/L	<0.25	5.0	04/13/23 08:46	
Methane	ug/L	<0.58	2.8	04/13/23 08:46	

LABORATORY CONTROL SAMPLE & LCSD: 2539142 2539143

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	48.2	52.1	90	97	80-120	8	20	
Ethene	ug/L	50	45.0	48.5	90	97	80-120	8	20	
Methane	ug/L	28.6	25.4	27.7	89	97	80-120	9	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2539144 2539145

Parameter	Units	40260403004 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	46.9	50.1	88	93	77-120	7	20	
Ethene	ug/L	<0.25	50	50	43.4	46.3	87	93	76-120	6	20	
Methane	ug/L	28.3	28.6	28.6	90.7	99.6	219	250	12-198	9	26	M1

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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
Pace Project No.: 40260613

QC Batch: 442579
QC Batch Method: EPA 3010A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40260613007

METHOD BLANK: 2541081 Matrix: Water
Associated Lab Samples: 40260613007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<58.0	250	04/19/23 22:04	

LABORATORY CONTROL SAMPLE: 2541082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	10400	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2541083 2541084

Parameter	Units	40260566015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1550	10000	10000	12000	11900	105	103	75-125	1	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
Pace Project No.: 40260613

QC Batch: 442454
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40260613001, 40260613002, 40260613003, 40260613004, 40260613005, 40260613006, 40260613007, 40260613008

METHOD BLANK: 2540742
Matrix: Water
Associated Lab Samples: 40260613001, 40260613002, 40260613003, 40260613004, 40260613005, 40260613006, 40260613007, 40260613008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/17/23 17:56	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/17/23 17:56	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	04/17/23 17:56	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	04/17/23 17:56	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/17/23 17:56	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/17/23 17:56	
1,1-Dichloropropene	ug/L	<0.41	1.0	04/17/23 17:56	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/17/23 17:56	
1,2,3-Trichloropropane	ug/L	<0.56	1.0	04/17/23 17:56	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/17/23 17:56	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/17/23 17:56	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/17/23 17:56	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/17/23 17:56	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/17/23 17:56	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/17/23 17:56	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/17/23 17:56	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/17/23 17:56	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/17/23 17:56	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/17/23 17:56	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/17/23 17:56	
2,2-Dichloropropane	ug/L	<0.42	1.0	04/17/23 17:56	
2-Chlorotoluene	ug/L	<0.89	5.0	04/17/23 17:56	
4-Chlorotoluene	ug/L	<0.89	5.0	04/17/23 17:56	
Benzene	ug/L	<0.30	1.0	04/17/23 17:56	
Bromobenzene	ug/L	<0.36	1.0	04/17/23 17:56	
Bromochloromethane	ug/L	<0.36	1.0	04/17/23 17:56	
Bromodichloromethane	ug/L	<0.42	1.0	04/17/23 17:56	
Bromoform	ug/L	<0.43	1.0	04/17/23 17:56	
Bromomethane	ug/L	<1.2	5.0	04/17/23 17:56	
Carbon tetrachloride	ug/L	<0.37	1.0	04/17/23 17:56	
Chlorobenzene	ug/L	<0.86	1.0	04/17/23 17:56	
Chloroethane	ug/L	<1.4	5.0	04/17/23 17:56	
Chloroform	ug/L	<0.50	5.0	04/17/23 17:56	
Chloromethane	ug/L	<1.6	5.0	04/17/23 17:56	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/17/23 17:56	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	04/17/23 17:56	
Dibromochloromethane	ug/L	<2.6	5.0	04/17/23 17:56	
Dibromomethane	ug/L	<0.99	5.0	04/17/23 17:56	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/17/23 17:56	

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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
Pace Project No.: 40260613

METHOD BLANK: 2540742 Matrix: Water

Associated Lab Samples: 40260613001, 40260613002, 40260613003, 40260613004, 40260613005, 40260613006, 40260613007, 40260613008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	04/17/23 17:56	
Ethylbenzene	ug/L	<0.33	1.0	04/17/23 17:56	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/17/23 17:56	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/17/23 17:56	
m&p-Xylene	ug/L	<0.70	2.0	04/17/23 17:56	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/17/23 17:56	
Methylene Chloride	ug/L	<0.32	5.0	04/17/23 17:56	
n-Butylbenzene	ug/L	<0.86	1.0	04/17/23 17:56	
n-Propylbenzene	ug/L	<0.35	1.0	04/17/23 17:56	
Naphthalene	ug/L	<1.9	5.0	04/17/23 17:56	
o-Xylene	ug/L	<0.35	1.0	04/17/23 17:56	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/17/23 17:56	
sec-Butylbenzene	ug/L	<0.42	1.0	04/17/23 17:56	
Styrene	ug/L	<0.36	1.0	04/17/23 17:56	
tert-Butylbenzene	ug/L	<0.59	1.0	04/17/23 17:56	
Tetrachloroethene	ug/L	<0.41	1.0	04/17/23 17:56	
Toluene	ug/L	<0.29	1.0	04/17/23 17:56	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/17/23 17:56	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	04/17/23 17:56	
Trichloroethene	ug/L	<0.32	1.0	04/17/23 17:56	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/17/23 17:56	
Vinyl chloride	ug/L	<0.17	1.0	04/17/23 17:56	
Xylene (Total)	ug/L	<1.0	3.0	04/17/23 17:56	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	04/17/23 17:56	
4-Bromofluorobenzene (S)	%	108	70-130	04/17/23 17:56	
Toluene-d8 (S)	%	102	70-130	04/17/23 17:56	

LABORATORY CONTROL SAMPLE: 2540743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.1	106	70-134	
1,1,2,2-Tetrachloroethane	ug/L	50	54.6	109	69-130	
1,1,2-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1-Dichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethene	ug/L	50	52.5	105	74-131	
1,2,4-Trichlorobenzene	ug/L	50	45.2	90	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	48.6	97	70-130	
1,2-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,2-Dichloroethane	ug/L	50	52.8	106	70-137	
1,2-Dichloropropane	ug/L	50	53.4	107	80-121	
1,3-Dichlorobenzene	ug/L	50	53.7	107	70-130	
1,4-Dichlorobenzene	ug/L	50	50.7	101	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
Pace Project No.: 40260613

LABORATORY CONTROL SAMPLE: 2540743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.3	105	70-130	
Bromodichloromethane	ug/L	50	52.8	106	70-130	
Bromoform	ug/L	50	46.7	93	70-130	
Bromomethane	ug/L	50	39.3	79	21-147	
Carbon tetrachloride	ug/L	50	57.6	115	80-146	
Chlorobenzene	ug/L	50	52.4	105	70-130	
Chloroethane	ug/L	50	47.2	94	52-165	
Chloroform	ug/L	50	53.2	106	80-123	
Chloromethane	ug/L	50	37.6	75	51-122	
cis-1,2-Dichloroethene	ug/L	50	49.3	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.2	104	70-130	
Dibromochloromethane	ug/L	50	51.2	102	70-130	
Dichlorodifluoromethane	ug/L	50	19.7	39	25-121	
Ethylbenzene	ug/L	50	54.9	110	80-120	
Isopropylbenzene (Cumene)	ug/L	50	51.3	103	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	52.9	106	70-130	
Methylene Chloride	ug/L	50	54.1	108	70-130	
o-Xylene	ug/L	50	53.3	107	70-130	
Styrene	ug/L	50	61.3	123	70-130	
Tetrachloroethene	ug/L	50	51.5	103	70-130	
Toluene	ug/L	50	52.4	105	80-120	
trans-1,2-Dichloroethene	ug/L	50	53.6	107	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.4	103	70-130	
Trichloroethene	ug/L	50	51.8	104	70-130	
Trichlorofluoromethane	ug/L	50	49.6	99	65-160	
Vinyl chloride	ug/L	50	43.5	87	63-134	
Xylene (Total)	ug/L	150	160	107	70-130	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			110	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2540842 2540843

Parameter	Units	40260671002 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	<0.00030 mg/L	50	50	54.4	52.1	109	104	70-134	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.00038 mg/L	50	50	55.1	53.7	110	107	61-135	3	20	
1,1,2-Trichloroethane	ug/L	<0.00034 mg/L	50	50	52.3	50.8	105	102	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.00030 mg/L	50	50	53.4	51.2	107	102	70-130	4	20	
1,1-Dichloroethene	ug/L	<0.00058 mg/L	50	50	54.2	52.2	108	104	71-130	4	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
Pace Project No.: 40260613

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2540842 2540843

Parameter	Units	40260671002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/L	<0.00095 mg/L	50	50	44.8	44.8	90	90	68-131	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<0.0024 mg/L	50	50	45.9	44.9	92	90	51-141	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.00031 mg/L	50	50	48.9	48.0	98	96	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.00033 mg/L	50	50	51.6	50.1	103	100	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.00029 mg/L	50	50	51.4	49.9	103	100	70-137	3	20	
1,2-Dichloropropane	ug/L	<0.00045 mg/L	50	50	53.6	50.9	107	102	80-121	5	20	
1,3-Dichlorobenzene	ug/L	<0.00035 mg/L	50	50	53.4	51.0	107	102	70-130	5	20	
1,4-Dichlorobenzene	ug/L	<0.00089 mg/L	50	50	51.4	48.8	103	98	70-130	5	20	
Benzene	ug/L	<0.00030 mg/L	50	50	51.7	49.9	103	100	70-130	4	20	
Bromodichloromethane	ug/L	<0.00042 mg/L	50	50	52.7	50.1	105	100	70-130	5	20	
Bromoform	ug/L	<0.00043 mg/L	50	50	47.9	46.4	96	93	70-133	3	20	
Bromomethane	ug/L	<0.0012 mg/L	50	50	41.2	40.5	82	81	21-149	2	22	
Carbon tetrachloride	ug/L	<0.00037 mg/L	50	50	59.0	57.5	118	115	80-146	3	20	
Chlorobenzene	ug/L	<0.00086 mg/L	50	50	51.4	50.5	103	101	70-130	2	20	
Chloroethane	ug/L	<0.0014 mg/L	50	50	48.0	46.8	96	94	52-165	2	20	
Chloroform	ug/L	<0.00050 mg/L	50	50	53.6	51.0	107	102	80-123	5	20	
Chloromethane	ug/L	<0.0016 mg/L	50	50	39.6	37.0	79	74	42-125	7	20	
cis-1,2-Dichloroethene	ug/L	<0.00047 mg/L	50	50	49.5	46.8	99	94	70-130	6	20	
cis-1,3-Dichloropropene	ug/L	<0.00024 mg/L	50	50	51.3	50.5	103	101	70-130	2	20	
Dibromochloromethane	ug/L	<0.0026 mg/L	50	50	51.1	48.3	102	97	70-130	6	20	
Dichlorodifluoromethane	ug/L	<0.00046 mg/L	50	50	20.1	19.0	40	38	25-121	5	20	
Ethylbenzene	ug/L	<0.00033 mg/L	50	50	54.1	52.4	108	105	80-121	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.0010 mg/L	50	50	51.9	50.1	104	100	70-130	4	20	
m&p-Xylene	ug/L	<0.00070 mg/L	100	100	104	101	104	101	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<0.0011 mg/L	50	50	53.0	51.3	106	103	70-130	3	20	
Methylene Chloride	ug/L	<0.00032 mg/L	50	50	55.3	52.4	111	105	70-130	5	20	
o-Xylene	ug/L	<0.00035 mg/L	50	50	52.9	51.4	106	103	70-130	3	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
Pace Project No.: 40260613

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2540842 2540843

Parameter	Units	40260671002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Styrene	ug/L	<0.00036 mg/L	50	50	61.0	59.1	122	118	70-132	3	20	
Tetrachloroethene	ug/L	<0.00041 mg/L	50	50	52.1	49.1	104	98	70-130	6	20	
Toluene	ug/L	<0.00029 mg/L	50	50	52.6	50.0	105	100	80-120	5	20	
trans-1,2-Dichloroethene	ug/L	<0.00053 mg/L	50	50	55.1	53.1	110	106	70-130	4	20	
trans-1,3-Dichloropropene	ug/L	<0.00027 mg/L	50	50	49.5	48.8	99	98	70-130	1	20	
Trichloroethene	ug/L	<0.00032 mg/L	50	50	51.9	50.8	104	102	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.00042 mg/L	50	50	50.4	48.5	101	97	65-160	4	20	
Vinyl chloride	ug/L	<0.00017 mg/L	50	50	44.3	42.4	89	85	60-137	4	20	
Xylene (Total)	ug/L	<0.0010 mg/L	150	150	157	152	105	102	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%						104	100	70-130			
4-Bromofluorobenzene (S)	%						107	104	70-130			
Toluene-d8 (S)	%						101	102	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
Pace Project No.: 40260613

QC Batch: 442679
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: 40260613007

METHOD BLANK: 2541453 Matrix: Water
Associated Lab Samples: 40260613007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/20/23 11:20	

LABORATORY CONTROL SAMPLE: 2541454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2541455 2541456

Parameter	Units	40260403006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	49.9	200	200	257	240	103	95	90-110	7	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2541457 2541458

Parameter	Units	40260613007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	<0.44	20	20	22.0	24.1	110	120	90-110	9	15	M0

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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
Pace Project No.: 40260613

QC Batch: 442570
QC Batch Method: SM 5310C
Analysis Method: SM 5310C
Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40260613007

METHOD BLANK: 2541053 Matrix: Water
Associated Lab Samples: 40260613007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.14	0.50	04/18/23 04:49	

LABORATORY CONTROL SAMPLE: 2541054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.7	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2541055 2541056

Parameter	Units	10648512001 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	0.48J	6	6	6.0	6.0	92	92	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2541057 2541058

Parameter	Units	40260601001 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	118	360	360	460	453	95	93	80-120	1	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 1690005819
Pace Project No.: 40260613

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

1q	Diution for calculation purposes only.
2q	Result is -1.9mg/L, this is more negative than the reporting limit.
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.

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1690005819
Pace Project No.: 40260613

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40260613007	**PZ-1R**	EPA 8015B Modified	442251		
40260613007	**PZ-1R**	EPA 3010A	442579	EPA 6020B	442670
40260613001	**PZ-2R**	EPA 8260	442454		
40260613002	**MW-6**	EPA 8260	442454		
40260613003	**MW-6 DUP**	EPA 8260	442454		
40260613004	**PZ-4**	EPA 8260	442454		
40260613005	**MW-5**	EPA 8260	442454		
40260613006	**MW-4**	EPA 8260	442454		
40260613007	**PZ-1R**	EPA 8260	442454		
40260613008	**TRIP BLANK**	EPA 8260	442454		
40260613007	**PZ-1R**	HACH 8146	443115		
40260613007	**PZ-1R**	EPA 300.0	442679		
40260613007	**PZ-1R**	SM 5310C	442570		

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

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 [X]CT [ ]ET
Phone: / Email:	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): D.GLASFORD	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: STD / Immediately Packed on Ice: [ ] 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): [X] Yes [ ] No / Analysis: 250 HNO3

Container Preservative Type **: 3 | 3 | 3U | 2 | U

Lab Project Manager:

** 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 _____

* 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+G2020	TOC 5310C	Sulfate 300.0							Lab Sample # / Comments:
PZ-2R	GW	G	4.12.23	0739				3	X											001
MW-6				08:18				2	X											002
MW-6DUP				08:17				3	X											003
PZ-4				09:08				3	X											004
MW-5				09:45				3	X											005
MW-4				10:35				3	X											006
PZ-1R				11:23				11	X	X	X	X	X							007
TRIP BLANK	—	—	—	—				2	X											008

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:

04/13/2023

Customer Remarks / Special Conditions / Possible Hazards:
* times added via GT times on sample labels MTJ 04/13/2023

Type of Ice Used: Wet Blue Dry None

Packing Material Used: MTJ

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

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

Lab Tracking #: SCW 2830026 04/13/2023

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:
Ramboll	4-12-23 1345	CS Logistics	4-12-23 1345
CS Logistics	04/13/2023 09:10	Matt VanSambeek Pace	04/13/2023 09:10

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:
MTJ 04/13/2023

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: Ramboll Project #: ☑Yes ☐No ☐N/A

All containers needing preservation have been checked and noted below. Lab Lot# of pH paper. HC904495 Lab Std #ID of preservation (if pH adjusted).

Initial when completed: MJB Date/Time: 04/13/2023

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	Vials: VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																	2																	2.5 / 5
002																	2																	2.5 / 5
003																	2																	2.5 / 5
004																	2																	2.5 / 5
005																	2																	2.5 / 5
006																	2																	2.5 / 5
007				1					1		1						2															X		2.5 / 5
008																	2																	2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

MJB 04/13/2023

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	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40260613

40260613

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 - 128 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.5 /Corr: 0.5

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: 04/13/2023 Initials: MVS

Labeled By Initials: SKW

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out: MVS 04/13/2023	☑Yes ☐No ☐N/A	2. No times on COC added via samples labels MVS 04/13/2023
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.
- DI 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.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
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:	☐Yes ☑No ☐N/A	12. No Times on BP3U and BP3N for sample point 007 "PZ-1R". MVS 04/13/2023
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 499		

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

Person Contacted: Date/Time:

Comments/ Resolution:

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

Report of Analysis

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

Project Name: 1690005819

Project Number: 40260613

Lot Number:**YD14004**

Date Completed:04/17/2023

04/17/2023 4:17 PM
Approved and released by:
Project Coordinator 1: **Jenna S. Holliday**

Case Narrative
Pace Analytical Services, LLC
Lot Number: YD14004

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 Analysis
Sample YD14004-001 was received and analyzed outside of holding time.

Sample Summary
Pace Analytical Services, LLC
Lot Number: YD14004
Project Name: 1690005819
Project Number: 40260613

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	PZ-1R	Aqueous	04/12/2023 1123	04/14/2023

(1 sample)

Detection Summary

Pace Analytical Services, LLC

Lot Number: YD14004

Project Name: 1690005819

Project Number: 40260613

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	PZ-1R	Aqueous	Ferrous Iron	SM 3500-Fe B-	12	H	mg/L	5

(1 detection)

Inorganic non-metals

Client: **Pace Analytical Services, LLC** Laboratory ID: **YD14004-001**

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

Date Sampled: **04/12/2023 1123** Project Name: **1690005819**

Date Received: **04/14/2023** Project Number: **40260613**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Ferrous Iron) SM 3500-Fe B-2011	10	04/14/2023 1129	TAD		72673

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Ferrous Iron		**SM 3500-Fe B-2**	**12**	**H**	**0.50**	**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: YQ72673-001
Batch: 72673
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	04/14/2023 1121

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: YQ72673-002
Matrix: Aqueous
Batch: 72673
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	0.98		1	98	90-110	04/14/2023 1122

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: YQ72673-003 **Matrix:** Aqueous

Batch: 72673

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	0.99		1	99	1.4	90-110	20	04/14/2023 1122

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: YD14004-001MS
Matrix: Aqueous
Batch: 72673
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	12	10	21		10	95	70-130	04/14/2023 1130

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: YD14004-001MD
Batch: 72673
Analytical Method: SM 3500-Fe B-2011
Matrix: Aqueous

Parameter	Sample Amount (mg/L)	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Ferrous Iron	12	10	21		10	96	0.61	70-130	20	04/14/2023 1131

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

Internal Transfer Chain of Custody

Pace Analytical
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: WI
Cert. Needed: ☐ Yes ☒ No
Owner Received Date: 4/12/2023 Results Requested By: 4/24/2023

Workorder: 40260613 Workorder Name: 1690005819

Report To	Subcontract To
Steven Mleczko Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436	Pace Analytical West Columbia 106 Vantage Point Drive West Columbia, SC 29172 Phone (803)791-9700

YD14004
JSH

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HCl	Requested Analysis: Ferrous Iron by SM 3500Fe 2011	LAB USE ONLY
1	PZ-1R	PS	4/12/2023 11:23	40260613007	Water	2	X	
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	4/13/23 1600		
2				
3	FedEx	4/14/23 0850	[signature]	4/14/23 0850

Comments: Ok to run past hold time

Cooler Temperature on Receipt 3.9 °C | Custody Seal (Y) or N [signature] 4/14/23 | 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 Login Number Here: 40260613

ALL SHADED AREAS are for LAB USE ONLY

Company: RAMBOLL	Billing Information:
Address: 234 W FLORIDA ST 6TH FLOOR	
Report To: STETROFSKE@RAMBOLL.COM	Email To:
Copy To: PLINDQUIST@RAMBOLL.COM	Site Collection Info/Address:
Customer Project Name/Number: 1689000 5819	State: WI / County/City: MILWAUKEE / Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: / Email:	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): DGLASFORD	Purchase Order #: / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: STD / Immediately Packed on Ice: [ ] 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): [X] Yes [ ] No / Analysis: 250 mins

* 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	MES 8015B Mod	Ferrous Iron 3500 Fe (2020	TOC 5310C	Sulfate 300.0
PZ-2R	GW	G	4.12.23	0739				3	X				
MW-6				0815				3	X				
MW-6D-P				0817				3	X				
PZ-4				0908				3	X				
MW-5				0945				3	X				
MW-4				1035				3	X				
PZ-1R				1123				11	X	X	✓	X	X
TRIP BLANK	—	—	—	—				2	X				

Container Preservative Type **: 3 3 3 1 1 0

** 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

Analyses

Lab Project Manager:

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:	
Samples Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY
Lab Sample # / Comments:

001
002
003
004
005
006
007
008

Customer Remarks / Special Conditions / Possible Hazards: *times added Fig 1 times on sample labels MTB 04/13/2023

Type of Ice Used: Wet Blue Dry None

Packing Material Used: SMT

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

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

Lab Tracking #: 5012830025

Samples received via: FEDEX UPS Client Courier Pace Courier

04/13/2023

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:

04/13/2023

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
RAMBOLL	4-12-23 1345	CS LOGISTICS	4-12-23 1345
CS Logistics	04/13/2023 09:10	Matt Van Sambeek Pace	04/13/2023 09:10

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

Tig Blank Received: Y N NA
HCl MeOH TSP Other

Non Conformance(s): YES / NO

Page: 2 of: 2

Client Name: Rambo11

Sample Preservation Receipt Form Project # 4026063

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

Lab Lot# of pH paper: HC464495 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MJB Date/Time:

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	Vials: VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																	VG9H																	2.5/5
002																	VG9H																	2.5/5
003																	VG9H																	2.5/5
004																	VG9H																	2.5/5
005																	VG9H																	2.5/5
006																	VG9H																	2.5/5
007				1					1		1						VG9H																	2.5/5
008																	VG9H															X		2.5/5
009																																		2.5/5
010																																		2.5/5
011																																		2.5/5
012																																		2.5/5
013																																		2.5/5
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016																																		2.5/5
017																																		2.5/5
018																																		2.5/5
019																																		2.5/5
020																																		2.5/5

Exceptions to preservation check: VOA, Coliform, TOC, TCX, 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
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
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
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 1	
GN 2	

Page 1 of 2

Qualtrax ID: 41307

Pace® Analytical Services, LLC

PACE ANALYTICAL SERVICES, LLC

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

DC#_Title: ENV-FRM-GBAY-0014 v03_SCUR
Effective Date: 8/17/2022

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40260613

40260613

Client Name: Ramboll

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Walco
☐ 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 - 128 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.5 /Corr: 0.5

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

Person examining contents:
Date: 04/13/2023 Initials: MVS

Labeled By Initials: SKW

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	MVS 04/13/2023 ☑Yes ☐No ☐N/A	2. No Temp on COC, added via samples labels MVS 04/13/2023
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.
- DI 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.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
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:	☐Yes ☑No ☐N/A	12. No Times on BP3U and BP5N for sample point 007 "PZ-1R". MVS 04/13/2023
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 499		

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 ID: 41292

Pace® Analytical Services, LLC

DC#_Title: ENV-FRM-WCOL-0286 v02_Samples Receipt Checklist (SRC)
Effective Date: 8/2/2022

Sample Receipt Checklist (SRC)

Client: Pace Cooler Inspected by/date: KNR / 04/14/2023 Lot #: YD14004

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

3.9 / 3.9 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 8 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☑ Yes	☐ No	☐ NA	3. Were all coolers received at or below 6.0°C? If no, 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 and all sample containers?
☑ Yes	☐ No		7. Was collection date & time listed on the COC and all sample containers?
☑ Yes	☐ No		8. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		9. Were tests to be performed listed on the COC?
☑ Yes	☐ No		10. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		11. Was adequate sample volume available?
☐ Yes	☑ No		12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☑ Yes	☐ No		13. Were all samples containers accounted for? (No missing/excess)
☐ Yes	☐ No	☑ NA	14. Were VOA, 8015C and RSK-175 samples free of bubbles >"pea-size" (¼" or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	15. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	16. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	17. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☑ No	☐ NA	18. 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 Unique ID: NA.

Comments:

Qualtrax ID: 56360 Pace® Analytical Services, LLC Page 1 of 1

APPENDIX B

INVESTIGATION DERIVED WASTE DISPOSAL DOCUMENTATION

Activity Report

JOB TRK: WO-4107027000
JOB NO: 4107027000 WO NO: 4107027000
BILL DOC NO: HH30628699 EPA ID: WID053884478

BT Acnt ID (Cust#) 1038 (427966)
SL Acnt ID (Gen#): 56727 (648254)

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):
002270508VES

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		08/28/2023	W3S

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manif# 002270508VES Tkt# WO-4107027000 WIP 555475 / Approval CWDDPK6-5G TETRACHLOROETHYLENE IMPACTED W	1	051H1-DF	43	P	1 / 1	

Total Hours: 0
# of Containers: 1
Total Pounds: 43

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-4107027000
JOB NO: 4107027000 WO NO: 4107027000
BILL DOC NO: HH30628999 EPA ID: WID053984478

BT Acnt ID (Cust#) 1038 (427998)
SL Acnt ID (Gen#): 56727 (640254)

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.
		08/28/2023	W38

DESCRIPTION	# CONT.	CONT./GOOS	QTY	UOM	PO/LN	WASTE AREA
08/28/2023 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 Safely 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	002270508 VES

GENERATOR

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

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

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

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

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS,
W124 N9451 BOUNDARY
MENOMONEE FALLS, WI 53051
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	43	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
1: W: 555425 A: CWD DPK656 Placards & ERG offered by Marquette. 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 6 Day 26 Year 23

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 6 Day 26 Year 23

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: 002270508VES
Field System ID: HH
Work Order Number: 4107027000
Date Shipped: 06/28/2023

Container#: HH-4107027000-001 Waste Area: Manifest Page/Line: 01 / 1

WIP: 555475 DisposalCode: CWDDPK8-5G PHY State: L

Date Accumulated: 06/28/2023 Gen Drum ID:

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

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

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

Total Cmns Wt: 43 SIC: 8221 Source: G19 Form: W219 System: H141 Cubic Ft.: 0.68

Individual Common Weights: 1 @ 43 (POUNDS)

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

Land Disposal Restriction Notification Form

Generator Name Marquette University

EPA ID Number WID053684478 Manifest 002270508VES

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-4107027000-001 (1/ 1)

WIP / Approval Code:	555475 / CWDDPK8-60
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 6/28/2023