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March 1, 2022

Mr. Riley Neumann
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128

Re: ***Quarterly Groundwater Sampling Report***
(January/February 2022 Results)
BRRTS #: 02-41-576336 & 02-41-579429
FID #: 241828620
Sunrise Shopping Center
2410-2424 10th Avenue & 1009 Marquette Avenue
South Milwaukee, Wisconsin 53172

Mr. Neumann:

Please find enclosed the *Quarterly Groundwater Sampling Report* for the Sunrise Shopping Center facility located at the above-referenced address. Quarterly groundwater sampling of three (3) monitoring wells on-site continues to monitor any changes in Polynuclear Aromatic Hydrocarbon (PAH) and Tetrachloroethene (Perc) concentrations. PAH groundwater contaminant concentrations are monitored at MW-3 and MW-4 to assess if there is a need for remedial actions. Sampling for Perc concentrations in MW-5 continues to assess remedial progress and to determine plume stability.

A brief discussion of the quarterly sampling protocol and results of the January 2022 groundwater sampling are included in this quarterly report. The additional PAH sampling of two (2) monitoring wells to the east and west of MW-3 is also discussed. Further, the report discusses the identification of free-product petroleum in MW-4, as well as the initiation of manual recovery efforts. As required, this quarterly report and all supporting documentation have also been submitted electronically to WDNR. If you have any questions or require additional information in regards to this submission, please contact me at (847) 9963-3580. Thank you for your time.

Sincerely,
DAI Environmental, Inc.

Christopher Cailles, P.E.
Project Engineer

Enclosure

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QUARTERLY GROUNDWATER SAMPLING REPORT (JANUARY/FEBRUARY 2022 RESULTS) SUNRISE SHOPPING CENTER 2410-2424 10TH AVENUE & 1009 MARQUETTE AVENUE SOUTH MILWAUKEE, WISCONSIN 53172 WDNR BRRTS ACTIVITY #02-41-576336 & 02-41-579429 WDNR FID #241828620

March 1, 2022

DAI Project Number: 6255

Prepared For:
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Chicago, IL 60607

Prepared By:
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TABLE OF CONTENTS

LIST OF TABLES i

LIST OF FIGURES i

LIST OF APPENDICES i

1.0 INTRODUCTION 1

2.0 QUARTERLY GROUNDWATER SAMPLING PROGRAM 2
2.1 Quarterly Sampling Protocol 2
2.2 Groundwater Sampling Procedures and Chemical Analysis 3

3.0 QUARTERLY GROUNDWATER SAMPLING RESULTS 4
3.1 Static Groundwater Elevations 4
3.2 Groundwater Analytical Results 4

4.0 SUMP WATER SAMPLING RESULTS 8

5.0 SUMMARY AND SCHEDULE 9

LIST OF TABLES (APPENDIX A)

Groundwater Analytical Table for VOCs ..... Table A.1.A
Groundwater Analytical Table for PAHs ..... Table A.1.B
Ace Hardware Sump Water Analytical Table for Perc ..... Table A.5
Water Level Elevations ..... Table A.6

LIST OF FIGURES (APPENDIX B)

Detailed Site Map with Aerial View of Site and Surrounding Property ..... Figure B.1.b.1
Groundwater Isoconcentration (Perc) ..... Figure B.3.b.1a
Groundwater Isoconcentration (TCE) ..... Figure B.3.b.1b
Groundwater Isoconcentration (Benzo(a)pyrene) ..... Figure B.3.b.2a
Groundwater Isoconcentration (Benzo(b)fluoranthene) ..... Figure B.3.b.2b
Groundwater Isoconcentration (Chrysene) ..... Figure B.3.b.2c
Groundwater Isoconcentration (Naphthalene) ..... Figure B.3.b.2d
Groundwater Flow Direction (January 24, 2022) ..... Figure B.3.c.19
Monitoring Wells ..... Figure B.3.d

LIST OF APPENDICES

TABLES ..... APPENDIX A
FIGURES ..... APPENDIX B
LABORATORY ANALYTICAL REPORT ..... APPENDIX C.1.E

1.0 INTRODUCTION

Soil and groundwater Remedial Actions are being performed at the Sunrise Shopping Center facility, addressed as 2410-2424 10th Avenue and 1009 Marquette Avenue in South Milwaukee, Wisconsin (Site). Figure B.1.b.1 in Attachment B provides an aerial view of the Site and surrounding property. The Remedial Actions to address Volatile Organic Compound (VOC) contamination are being performed under BRRTS number 02-41-576336, and the Remedial Actions to address Polynuclear Aromatic Hydrocarbon (PAH) contamination are being performed under BRRTS number 02-41-579429. As part of the Remedial Actions, quarterly groundwater sampling has been conducted since January 2018. A brief discussion of the quarterly sampling protocol and results are provided below.

2.0 QUARTERLY GROUNDWATER SAMPLING PROGRAM

Quarterly groundwater sampling was first performed on January 5, 2018. The first quarterly sampling event included a complete round of sampling from each of six (6) monitoring wells (MW-1 to MW-5 and MW-201) installed at the Site. Figure B.3.d provides the locations of the monitoring wells. As proposed in the December 28, 2017, *Site Investigation Work Plan*, the groundwater samples from all monitoring wells were submitted for analysis of PAHs, and a sample from MW-5 was also collected for VOC analysis. Results of the January 2018 groundwater sampling were provided to the Wisconsin Department of Natural Resources (WDNR) in the *Site Investigation Report Amendment Addendum* dated February 28, 2018. Results of subsequent 2018 quarterly sampling events were provided in *Quarterly Groundwater Sampling Reports*.

2.1 Quarterly Sampling Protocol

Based upon the results of the January 2018 sampling event, quarterly groundwater sampling is conducted at monitoring wells MW-3 to MW-5. Since no contamination was observed in monitoring wells MW-1, MW-2, or MW-201, no groundwater samples are collected from these wells as part of the quarterly sampling protocol. However, four (4) additional groundwater monitoring wells (MW-600 to MW-603) were recently installed in January 2022 (see Figure B.3.d). Groundwater samples are not collected from these wells as part of the quarterly sampling event, although the new wells are gauged for static water elevation.

The purpose of the quarterly groundwater sampling is to monitor any changes in groundwater contaminant concentrations and determine the need for any future remedial actions. The groundwater sampling has documented Tetrachloroethene (Perc) groundwater concentrations before, during, and following the chemical treatment Remedial Actions. The quarterly groundwater sampling has been performed as follows:

- Static water level measurements are collected from all accessible monitoring wells using an electronic water level indicator capable of detecting water depth with an accuracy of ±0.01 ft;
- Groundwater samples are collected from monitoring wells MW-3 and MW-4 for laboratory analysis of PAHs; and

- A groundwater sample is collected from monitoring well MW-5 for laboratory analysis of VOCs.

2.2 Groundwater Sampling Procedures and Chemical Analysis

Consistent with sampling protocol followed during Site Investigation activities, the three (3) monitoring wells were purged prior to sample collection, to the extent practicable, to remove turbidity from the groundwater and allow the collection of a sediment-free sample that was representative of the surrounding groundwater conditions. Following purging, groundwater samples were collected from MW-3 to MW-5. Monitoring wells MW-4 and MW-5 were sampled using disposable PVC bailers; a groundwater sample was obtained from MW-3 using a peristaltic pump with dedicated PVC tubing. Groundwater samples were distributed directly into the appropriate sample containers for subsequent laboratory analyses as follows:

- MW-5: VOCs via USEPA Method SW8260; and
- MW-3 and MW-4: PAHs via USEPA Method SW8270E by SIM.

The sample submitted for analysis of VOCs was dispensed into 40-mL vials preserved with hydrochloric acid, and the samples submitted for analysis of PAHs were dispensed into unpreserved 100-mL amber glass containers. New disposable nitrile gloves were used to collect each sample to limit cross contamination. The samples were stored on ice immediately after collection and were maintained at a temperature of 4^{o}C or lower via a cooler with ice. Samples were ultimately transferred to Pace Analytical Services, LLC (Pace Analytical) of Green Bay, Wisconsin, an independent analytical laboratory following the standard chain-of-custody procedures.

3.0 QUARTERLY GROUNDWATER SAMPLING RESULTS

3.1 Static Groundwater Elevations

To evaluate potential seasonal fluctuation in static water elevation and/or groundwater flow direction, a complete round of static groundwater elevations was collected as part of the first quarter 2022 groundwater sampling event, including the four (4) newly installed monitoring wells. The static water level elevations were collected from all monitoring wells on January 24, 2022. A monitoring well elevation survey was completed on February 1, 2022, that included both the existing and recently installed monitoring wells. Table A.6 in Attachment A provides a historical summary of groundwater elevation information. All static water level measurements beginning in 2022 are referenced to the February 2022 monitoring well elevation survey.

Review of Table A.6 shows that monitoring wells MW-1 through MW-4 indicate the highest quarterly variability, while MW-5 and MW-201 generally fluctuate less between quarters. The highest static elevation differences are noted in monitoring wells MW-1 and MW-3, which are located in areas of the Site with known subsurface disturbance.

While there is much variability in elevation between quarters, the groundwater flow direction has remained generally consistent. The typical groundwater flow direction along the southern half of the Site is northwesterly, and a north-northeasterly groundwater flow direction is indicated along the northern half of the Site. The potentiometric surface map generated from the January 2022 data is included as Figure B.3.c.20 (see Attachment B).

3.2 Groundwater Analytical Results

Groundwater samples for the first quarter of 2022 (i.e., January-March 2022) were collected on January 24, 2022, following the protocol described in Section 2.2. The groundwater sample collected from MW-5 was analyzed for VOCs, and the samples from MW-3 and MW-4 were analyzed for PAHs. A summary of all groundwater sampling data collected from monitoring wells MW-3 to MW-5 since the beginning of Site Investigations is provided Tables A.1.A-A.1.B of Attachment A. The tables are compared to the Preventative Action Limits PAL (PALs) and

Enforcement Standards listed in Table 1 of NR 140. A copy of the laboratory analytical report for the first quarter 2022 sampling is provided in this report as Attachment C.1.E.

Volatile Organic Compounds

Table A.1.A summarizes the quarterly groundwater sampling results from MW-5 for Perc and Trichloroethene (TCE), which are the only VOCs of concern observed the groundwater (previous quarterly reports include a full summary of VOC analyses). Results of groundwater sampling at MW-5, installed to the rear of the 2410 tenant space (former Sunbrite Cleaners location), have indicated Perc at concentrations exceeding the Enforcement Standard of 0.005-mg/L since February 2016. These Perc concentrations increased through October 2018, followed by a decline in concentration, and then a period of general stability between September 2019 and May 2021. An increasing trend in Perc concentration above 0.012-mg/L (May 2021) was noted in August (0.021-mg/L) and November 2021 (0.024-mg/L), followed by a slight decline in January 2022 (0.021-mg/L). Although higher in concentration than observed in May 2021, the three (3) most recent are relatively consistent and stable. Figure B.3.b.1a provides a historical summary of Perc groundwater concentrations and the estimated extent of Perc groundwater contamination.

The monthly samples collected from the Ace Hardware sump, which continues to function for groundwater recovery, also indicates stable Perc concentrations. (The influent water in the sump is collected prior to treatment and final discharge to the stormwater sewer system). Table A.5 summarizes the monthly sump sample results, and Figure B.3.b.1a provides a summary of monthly Perc concentrations from January 2022 and the previous semi-annual period (i.e., July-December 2021).

Since the groundwater sampling was initiated, the TCE concentration in MW-5 was observed at a level above the PAL (0.0005-mg/L) on three (3) occasions: January 2019 (0.0027-mg/L), April 2019 (0.00071-mg/L), and most recently in January 2022 (0.00067). All other TCE concentrations were below the PAL. The groundwater TCE concentration in MW-5 will be closely monitored to identify any increasing trend. Figure B.3.b.1b provides a historical summary of TCE groundwater concentrations.

Polynuclear Aromatic Hydrocarbons

Table A.1.B summarizes the results of Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Naphthalene in MW-3 and MW-4, which are the PAH analyses of concern in the groundwater on the southern portion of the Site (previous quarterly reports include a full summary of PAH analyses). Figures B.3.b.2a to B.3.b.2d provide a historical summary of groundwater results for Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Naphthalene, respectively.

A review of historical sampling results from MW-3 (which is installed in the southern portion of the property where contamination from historical petroleum and/or coal storage was identified) indicates the presence of PAH contamination in groundwater during each sampling event. Consistent with past sampling events, Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene were observed in MW-3 at groundwater concentrations above the Enforcement Standard (other PAH constituents were also observed but at concentrations below PALs). The most recent concentrations from January 2022 show a spike in concentration similar to the spike in concentration observed in January 2020. Since no active source of PAH contamination is present, the variability in groundwater concentrations are believed to be associated with the fluctuations in the groundwater table elevation through the contaminated fill material. Additionally, the monitoring well has been damaged as a result of snow removal operations, so that the integrity of casing may be negatively impacting the PAH sampling results.

To better define the extent of PAH contamination, samples from two (2) newly installed monitoring wells to the east (MW-601) and west (MW-602) of MW-3 were sampled in February 2022. The results of the sample analyses indicated Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene at concentrations above the PAL, but below the Enforcement Standards. The Naphthalene concentrations were both below the PAL. Concentrations in MW-601 to the east were higher than those in MW-602, consistent with the location of the known PAH soil contamination. Considering the known PAH soil impacts throughout the southern portion of the Site, low-level PAH concentrations in the groundwater at these locations was expected, but the results do indicate that the higher PAH groundwater impacts are limited to the area of contaminated fill material surrounding MW-3.

The January 2022 laboratory results from MW-4 for the PAH constituents Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene were reported with limits of detection (LOD) above the Enforcement Standards. The reason for the raised LODs was likely due to the increased dilution of the samples required by the laboratory technician to stay within the laboratory equipment's calibration range. A visible sheen on the groundwater sample collected from MW-4 probably gave the technician reason to highly dilute the sample. While the reported concentration were below the reported LOD, the sample results for Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene from MW-4 are assumed to exceed the Enforcement Standards, as noted in the previous sampling results. Additionally, Naphthalene was observed at a concentration above the PAL for the second consecutive quarter.

Free-Product Petroleum

During the first quarter 2022 sampling event, a layer of floating free-product petroleum was identified in MW-4 (installed to the rear of the 2414B tenant space in the approximate location of a former heating oil UST). The measured thickness of free-product petroleum was 0.16-ft and manual recovery efforts were soon initiated to remove this source material. The recovery efforts will be continued as needed, and the gauging results reported to the WDNR in the quarterly groundwater sampling reports.

4.0 SUMP WATER SAMPLING RESULTS

To address the Perc contamination identified in the sump water from the basement of the Ace Hardware building, an activated carbon treatment system was proposed to the WDNR. The proposed treatment system discharge was issued coverage under WPDES Permit Number WI-0046566-07-0 in a letter dated April 10, 2019, and the system began operation on May 14, 2019. As a condition of the permit approval, weekly discharge samples were required to be collected for a period of 4-weeks followed by monthly sampling thereafter. Weekly samples were collected on May 15th, 23rd, 29th, and June 6, 2019. The first monthly sample was collected on June 25, 2019. In addition to the required discharge samples, samples of the sump water have been collected for VOC analysis to both monitor the groundwater contaminant concentrations around the Ace Hardware building and verify the system is operating correctly.

While not strictly part of the quarterly sampling protocol, results of the sump water sampling are included with this submission as an indication of the groundwater contaminant concentrations below and around the Ace Hardware building. The results of the sump water samples are summarized in Table A.5. (Because all VOCs are reported below the LOD with the exception of Perc, Table A.5 only summarizes the Perc results.) The sump water sample results since July 2021 to the present are provided in Figure B.3.b.1a. (Previous reports included earlier sump data.)

As noted in Table A.5, the Perc concentrations in the influent sump water are often above the Enforcement Standard, and always above the PAL. However, all corresponding discharge samples indicate that the treatment system has been fully effective in removing Perc from the water prior to discharge into the stormwater sewer system. None of the discharge samples are reported with a detectable concentration of Perc.

Monthly sampling of the sump water influent and system effluent discharge will continue. The discharge sample results are submitted electronically to WDNR, as required by the WPDES permit.

5.0 SUMMARY AND SCHEDULE

- The Perc concentrations observed in monitoring well MW-5 have exceeded the Enforcement Standard since February 2016. Though the Perc concentrations have remained above the Enforcement Standard, the chemical injection activities performed in July 2018 and August 2019 in the vicinity of MW-5 have helped reduce the mass of Perc contamination. The Perc groundwater concentrations in MW-5 have remained relatively stable since that time, although the last three (3) sampling events have recorded concentrations slightly elevated from previous measurements. Quarterly monitoring of Perc concentrations in MW-5 will be continued until closure of the Site is approved.
- Sampling of the Ace Hardware sump water indicates influent Perc concentrations above the Enforcement Standard, although all effluent discharge samples from the treatment system are below detectable concentrations. Sump water influent and effluent sampling will continue on a monthly basis, as required.
- PAH contamination continues to be observed in MW-3 and MW-4, particularly the constituents Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Naphthalene which are at concentrations above the Enforcement Standards. The other PAH constituents are typically observed at concentrations below the PALs. The site-wide presence of coal and cinder fill material remaining from the historical use of the property are believed to contribute to the observed groundwater impact, since a large portion of the Site exhibits low-level PAH soil contamination.
- Two (2) new groundwater monitoring wells (MW-601 and MW-602) were recently installed along the southern Site boundary, and were sampled for PAH concentration in February 2022. The PAH results are similar, though lower, in concentration compared to monitoring well MW-3. Exceedances of the PALs for Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene were identified, although no exceedances of the ESs were noted.
- A free-product petroleum layer of 0.16-ft was gauged in MW-4 (which was installed near a former heating oil UST). Manual recovery was initiated and future recovery efforts and gauging results will be included in future quarterly groundwater sampling reports submitted to the WDNR.

APPENDIX A
TABLES

Table A.1.A. Groundwater Analytical Table for Volatile Organic Compounds (mg/L) (Quarterly Groundwater Sampling Wells)

Sample Location	Sample Date	Tetrachloroethene	Trichloroethene
MW-5	01/24/22	**0.021**	**0.00067**
	11/11/21	**0.024**	0.00034 (J)
	08/31/21	**0.021**	<0.00032
	05/09/21	**0.012**	<0.00032
	01/18/21	**0.01**	<0.00026
	10/12/20	**0.014**	0.00047
	07/14/20	**0.01**	<0.00026
	05/05/20	**0.0088**	<0.00026
	01/17/20	**0.0084**	0.00038 (J)
	10/24/19	**0.012**	0.00039 (J)
	09/05/19	**0.0153**	0.00038 (J)
	07/07/19	**0.0106**	0.00048 (J)
	04/29/19	**0.0114**	**0.00071 (J)**
	01/25/19	**0.0065**	**0.0027**
	10/11/18	**0.021**	0.00027 (J)
	07/30/18	**0.0086**	<0.00026
	04/07/18	**0.0203**	<0.00033
	01/05/18	**0.0181**	<0.00033
	05/30/17	**0.0124**	<0.00033
	02/23/16	**0.0083**	<0.00033
	01/27/15	**0.0026**	<0.00033
	11/12/14 (TW-2)	**0.0026**	<0.00033
PAL[1]		**0.0005**	**0.0005**
Enforcement Standard[2]		**0.005**	**0.005**

[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
Underlined – Concentration exceeds the PAL and the ES
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
VOCs via USEPA Method SW8260

Table A.1.B. Groundwater Analytical Table for Polynuclear Aromatics (mg/L)
(Quarterly Groundwater Sampling Wells)

Sample Location	Sample Date	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Naphthalene
MW-3	01/24/22	**0.0095**	**0.017**	**0.013**	<0.00009
	11/11/21	**0.0008**	**0.0022**	**0.0015**	<0.000019
	08/31/21	**0.00021**	**0.0005**	**0.00036**	0.00005
	05/03/21	**0.0024**	**0.0054**	**0.005**	0.0001 (J)
	01/18/21	**0.0024**	**0.005**	**0.0028**	0.00013
	10/12/20	**0.0013**	**0.0027**	**0.0015**	0.0001
	07/14/20	**0.0012**	**0.0022**	**0.0014**	0.00003
	05/05/20	**0.0011**	**0.0023**	**0.0012**	<0.000018
	01/17/20	**0.0063**	**0.0104**	**0.0013**	0.0001
	10/24/19	**0.015**	**0.03**	**0.016**	0.00015
	07/07/19	**0.0019**	**0.0036**	**0.0026**	0.000019 (J)
	04/29/19	**0.115**	**0.209**	**0.13**	0.00035
	01/25/19	**0.00017**	**0.00034**	**0.00028**	0.000022 (J)
	10/11/18	**0.000024 (J)**	**0.000074**	**0.000079**	0.000032 (J)
	07/30/18	**0.00068**	**0.0013**	**0.00095**	0.000053 (J)
	04/07/18	**0.0019**	**0.0039**	**0.003**	0.000051
	01/05/18	<0.0000096	**0.000037**	**0.000047 (J)**	0.00046
	05/30/17	**0.001**	**0.002**	**0.0015**	0.00012
	01/27/15	0.000011 (J)	0.00002 (J)	**0.00005**	<0.0000056
	11/13/14 (TW-5)	**0.0006**	**0.00077**	**0.00084**	0.00016
PAL[1]		**0.00002**	**0.00002**	**0.00002**	**0.017**
Enforcement Standard[2]		**0.0002**	**0.0002**	**0.0002**	**0.1**

[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
Underlined – Concentration exceeds the PAL and the ES
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in Wisconsin Administrative Code
PAHs via USEPA Method SW8270E by SIM
Note: Fluoranthene and Pyrene indicated an exceedance of the PALs during the April 29, 2019, sampling event

Table A.1.B (Continued). Groundwater Analytical Table for Polynuclear Aromatics (mg/L)
(Quarterly Groundwater Sampling Wells)

Sample Location	Sample Date	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Naphthalene
MW-4	01/24/22	**<0.018**	**<0.018**	**<0.025**	**0.037**
	11/11/21	**0.0024 (J)**	**0.0035 (J)**	**0.016**	**0.089**
	08/31/21	<0.0017*	<0.0017*	<0.0024*	0.01
	05/03/21	**0.0003 (J)**	**0.00061**	**0.0022**	0.0091
	01/18/21	**0.00013 (J)**	**0.00029**	**0.00082**	0.0055
	10/12/20	**0.00029 (J)**	**0.00065**	**0.0015**	0.007
	07/14/20	**0.00046 (J)**	**0.00098**	**0.0038**	**0.025**
	05/05/20	**0.0012 (J)**	**0.0032**	**0.005**	**0.035**
	01/17/20	**0.0031**	**0.0056**	**0.0074**	0.0074
	10/24/19	**0.00045**	**0.00086**	**0.0016**	0.0026
	07/07/19	<0.000037	<0.00002	<0.000046	0.0034
	04/29/19	**0.000041 (J)**	**0.000093**	**0.00017**	0.0014
	01/25/19	<0.0000095	0.000012 (J)	**0.000033 (J)**	0.00078
	10/11/18	**<0.000029**	**0.000022**	**0.000084 (J)**	0.00081
	07/30/18	**<0.000048**	**<0.000026**	**<0.00006**	0.0015
	04/07/18	<0.0000095	0.0000096 (J)	**0.000031 (J)**	0.0022
	01/05/18	**<0.0002**	**0.00022 (J)**	**0.001 (J)**	**0.0151**
	05/30/17	**<0.00049**	**<0.00027**	**0.0018 (J)**	**0.0243**
	02/23/16	0.000006	0.000014 (J)	0.000017 (J)	0.00047
	01/27/15	0.000017 (J)	**0.000043 (J)**	**0.000042 (J)**	0.00027
	11/13/14 (TW-6)	0.0000053 (J)	0.0000093 (J)	**0.000021 (J)**	0.0022
PAL[1]		**0.00002**	**0.00002**	**0.00002**	**0.017**
Enforcement Standard[2]		**0.0002**	**0.0002**	**0.0002**	**0.1**

[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
Underlined – Concentration exceeds the PAL and the ES
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
NL – Not Listed in Wisconsin Administrative Code
PAHs via USEPA Method SW8270E by SIM
Note: Fluorene indicated an exceedance of the PAL during the May 5, 2020, and November 11, 2021, sampling events
Note: Pyrene indicated an exceedance of the PAL during the November 11, 2021, sampling event

Table A.1.B (Continued). Groundwater Analytical Table for Polynuclear Aromatics (mg/L) (Quarterly Groundwater Sampling Wells)

Polynuclear Aromatic	Sample Location (Sample Date)		PAL[1]	ES[2]
	MW-601 (02/03/22)	MW-602 (02/04/22)		
Acenaphthene	0.000056	<0.000012	NL	NL
Acenaphthylene	0.000015	<0.000011	NL	NL
Anthracene	0.00012	<0.000017	0.6	3
Benzo(a)anthracene	0.00019	0.000025 (J)	NL	NL
Benzo(a)pyrene	**0.00015**	**0.000035 (J)**	0.00002	0.0002
Benzo(b)fluoranthene	**0.00016**	**0.000057**	0.00002	0.0002
Benzo(g,h,i)perylene	0.00018	0.000055	NL	NL
Benzo(k)fluoranthene	0.000064	0.00002	NL	NL
Chrysene	**0.00035**	**0.000073**	0.00002	0.0002
Dibenzo(a,h)anthracene	0.000048	0.000016	NL	NL
Fluoranthene	0.00032	0.00011	0.08	0.4
Fluorene	0.000068	0.000021	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.000081	0.000028 (J)	NL	NL
1-Methylnaphthalene	0.00013	0.000024 (J)	NL	NL
2-Methylnaphthalene	0.000093	0.000017 (J)	NL	NL
Naphthalene	0.000033	0.000018	0.017	0.1
Phenanthrene	0.0002	0.000087	NL	NL
Pyrene	0.00096	0.00011	0.05	0.25

[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
Underlined – Concentration exceeds the PAL and the ES
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
NL – Not Listed in Wisconsin Administrative Code
PAHs via USEPA Method SW8270E by SIM

Table A.5. Ace Hardware Sump Water Analytical Table for Tetrachlorethene (mg/L)

Sample Location	Sample Date	Tetrachloroethene
Sump	01/18/22	**0.013**
	12/06/21	**0.013**
	11/05/21	**0.014**
	10/04/21	**0.016**
	09/10/21	**0.015**
	08/06/21	**0.016**
	07/02/21	**0.014**
	06/14/21	**0.013**
	05/03/21	**0.016**
	04/06/21	**0.012**
	03/08/21	**0.01**
	02/02/21	**0.014**
	01/12/21	**0.005**
	12/09/20	**0.0048**
	11/12/20	**0.0068**
	10/12/20	**0.009**
	09/03/20	**0.0065**
	08/17/20	**0.01**
	07/14/20	**0.0078**
	06/03/20	**0.0068**
	05/05/20	**0.0054**
	04/06/20	**0.005**
	03/10/20	**0.0063**
	02/03/20	**0.006**
	01/07/20	**0.0065**
	12/03/19	**0.0068**
	11/04/19	**0.008**
	10/02/19	**0.0069**
	09/05/19	**0.0076**
	08/02/19	**0.005**
	07/19/19	**0.0062**
	06/25/19	**0.0054**
	06/06/19	**0.0069**
	05/29/19	**0.0043**
	05/23/19	**0.0042**
	05/15/19	**0.0093**
	02/04/19	**0.0064**
	01/05/18	**0.0082**
	06/04/17	**0.006**
PAL[1]		**0.0005**
Enforcement Standard[2]		**0.005**

[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
Underlined – Concentration exceeds the PAL and the ES
NOTE – All other VOCs reported below the Limit of Detection
VOCs via USEPA Method SW8260

Table A.6. Water Level Elevations

Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-1	**.** (2022 survey)	01/24/22	4.22	**.**
	99.13 (2015 survey)	11/11/21	3.97	95.16
		08/31/21	3.75	95.38
		05/03/21	2.97	96.16
		01/18/21	3.34	95.79
		10/12/20	Obstructed	--
		07/14/20	1.79	97.34
		05/05/20	1.80	97.33
		01/17/20	2.74	96.39
		10/24/19	3.07	96.06
		07/07/19	3.46	95.67
		04/29/19	2.35	96.78
		01/25/19	4.65	94.48
		10/11/18	1.66	97.47
		07/30/18	3.32	95.81
		04/08/18	2.24	96.89
		02/27/18	1.58	97.55
		05/30/17	2.17	96.96
		04/24/15	1.46	97.67
		03/30/15	1.98	97.15
		01/27/15	3.93	95.20
MW-2	**.** (2022 survey)	01/24/22	8.20	**.**
	100.75 (2015 survey)	11/11/21	7.99	92.76
		08/31/21	7.70	93.05
		05/03/21	7.55	93.20
		01/18/21	8.12	92.63
		10/12/20	7.82	92.93
		07/14/20	6.36	94.39
		05/05/20	6.24	94.51
		01/17/20	6.83	93.92
		10/14/19	Obstructed	--
		07/07/19	7.51	93.24
		04/29/19	8.47	92.28
		01/25/19	8.42	92.33
		10/11/18	6.45	94.30
		07/30/18	7.45	93.30
		04/08/18	8.36	92.39
		02/27/18	8.54	92.21
		05/30/17	7.95	92.80
		04/24/15	7.21	93.54
		03/30/15	8.01	92.74
		01/27/15	8.60	92.15

Table A.6. Water Level Elevations

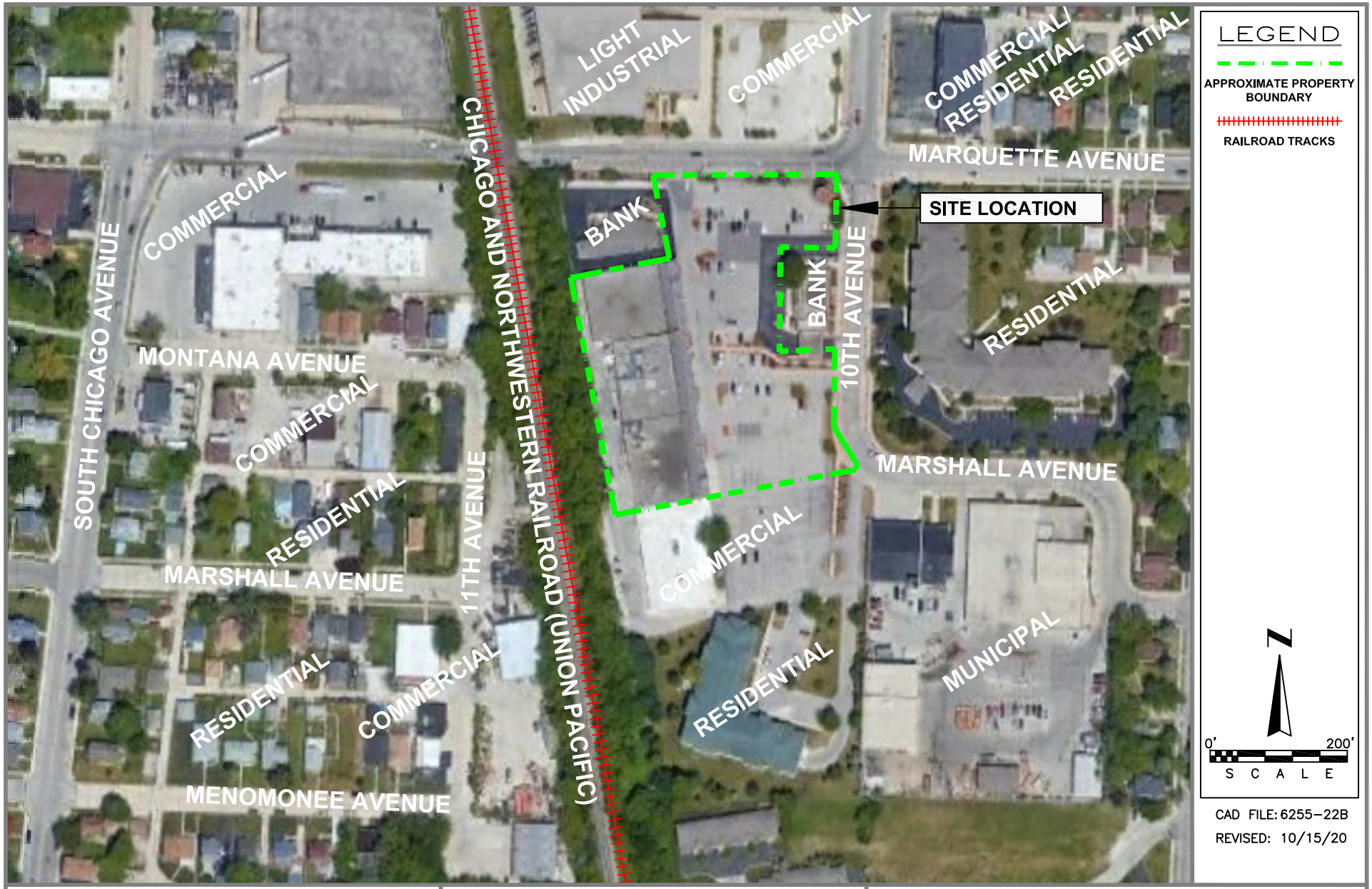
Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-3	**.** (2022 survey)	01/24/22	4.90	**.**
	100.05 (2015 survey)	11/11/21	4.12	95.93
		08/31/21	4.37	95.68
		05/03/21	3.45	96.60
		01/18/21	4.50	95.55
		10/12/20	4.25	95.80
		07/14/20	3.37	96.68
		05/05/20	2.27	97.78
		01/17/20	3.20	96.85
		10/14/19	3.61	96.44
		07/07/19	3.73	96.32
		04/29/19	2.61	97.44
		01/25/19	4.44	95.61
		10/11/18	2.35	97.70
		07/30/18	3.62	96.43
		04/08/18	2.53	97.52
		02/27/18	2.43	97.62
		05/30/17	2.45	97.60
		04/24/15	2.27	97.78
		03/30/15	2.73	97.32
		01/27/15	4.46	95.59
MW-4	**.** (2022 survey)	01/24/22	7.75	**.**
	100.57 (2015 survey)	11/11/21	6.78	93.79
		08/31/21	6.51	94.06
		05/03/21	6.19	94.38
		01/18/21	6.51	94.06
		10/12/20	6.65	93.92
		07/14/20	5.34	95.23
		05/05/20	5.07	95.50
		01/17/20	6.21	94.36
		10/24/19	6.14	94.43
		07/07/19	6.98	93.59
		04/29/19	7.30	93.27
		01/25/19	6.88	93.69
		10/11/18	5.43	95.14
		07/30/18	6.91	93.66
		04/08/18	7.26	93.31
		02/27/18	7.23	93.34
		05/30/17	6.38	94.19
		04/24/15	5.94	94.63
		03/30/15	7.04	93.53
		01/27/15	6.53	94.04

Table A.6. Water Level Elevations

Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-5	**.** (2022 survey)	01/24/22	7.13	**.**
	100.24 (2015 survey)	11/11/21	6.69	93.55
		08/31/21	6.48	93.76
		05/03/21	6.25	93.99
		01/18/21	5.90	94.34
		10/12/20	6.30	93.94
		07/14/20	5.84	94.39
		05/05/20	5.83	94.41
		01/17/20	5.87	94.37
		10/24/19	5.98	94.26
		07/07/19	6.25	93.99
		04/29/19	6.33	93.91
		01/25/19	6.35	93.89
		10/11/18	5.85	94.39
		07/30/18	6.19	94.05
		04/08/18	6.27	93.97
		02/27/18	6.15	94.09
		05/30/17	5.96	94.28
		04/24/15	5.92	94.32
		03/30/15	6.26	93.98
		01/27/15	6.50	93.74
MW-201	**.** (2022 survey)	01/24/22	8.48	**.**
	100.10 (2015 survey)	11/11/21	8.12	91.98
		08/31/21	7.78	92.32
		05/03/21	7.56	92.54
		01/18/21	8.24	91.86
		10/12/20	7.95	92.15
		07/14/20	7.11	92.29
		05/05/20	6.44	93.66
		01/17/20	7.00	93.10
		10/24/19	6.57	93.53
		07/07/19	6.72	93.38
		04/29/19	6.82	93.28
		01/25/19	6.88	93.22
		10/11/18	6.22	93.88
		07/30/18	6.69	93.41
		04/08/18	6.79	93.34
		02/27/18	6.46	93.64
		05/30/17	6.26	93.84
		04/24/15	5.91	94.19
		03/30/15	6.28	93.82
		01/27/15	Not Installed	Not Installed
MW-600	**.** (2022 survey)	01/24/22	8.80	**.**
MW-601	**.** (2022 survey)	01/24/22	10.12	**.**
MW-602	**.** (2022 survey)	01/24/22	10.21	**.**
MW-603	**.** (2022 survey)	01/24/22	6.42	**.**

* – Relative Elevation compared to a generic 100-ft on-site datum. Static water level measurements collected prior to 2022 compared to survey data from on January 27 and March 30, 2015. Static water level measurements collected beginning in January 2022 compared to a complete resurvey performed on February 1, 2022.

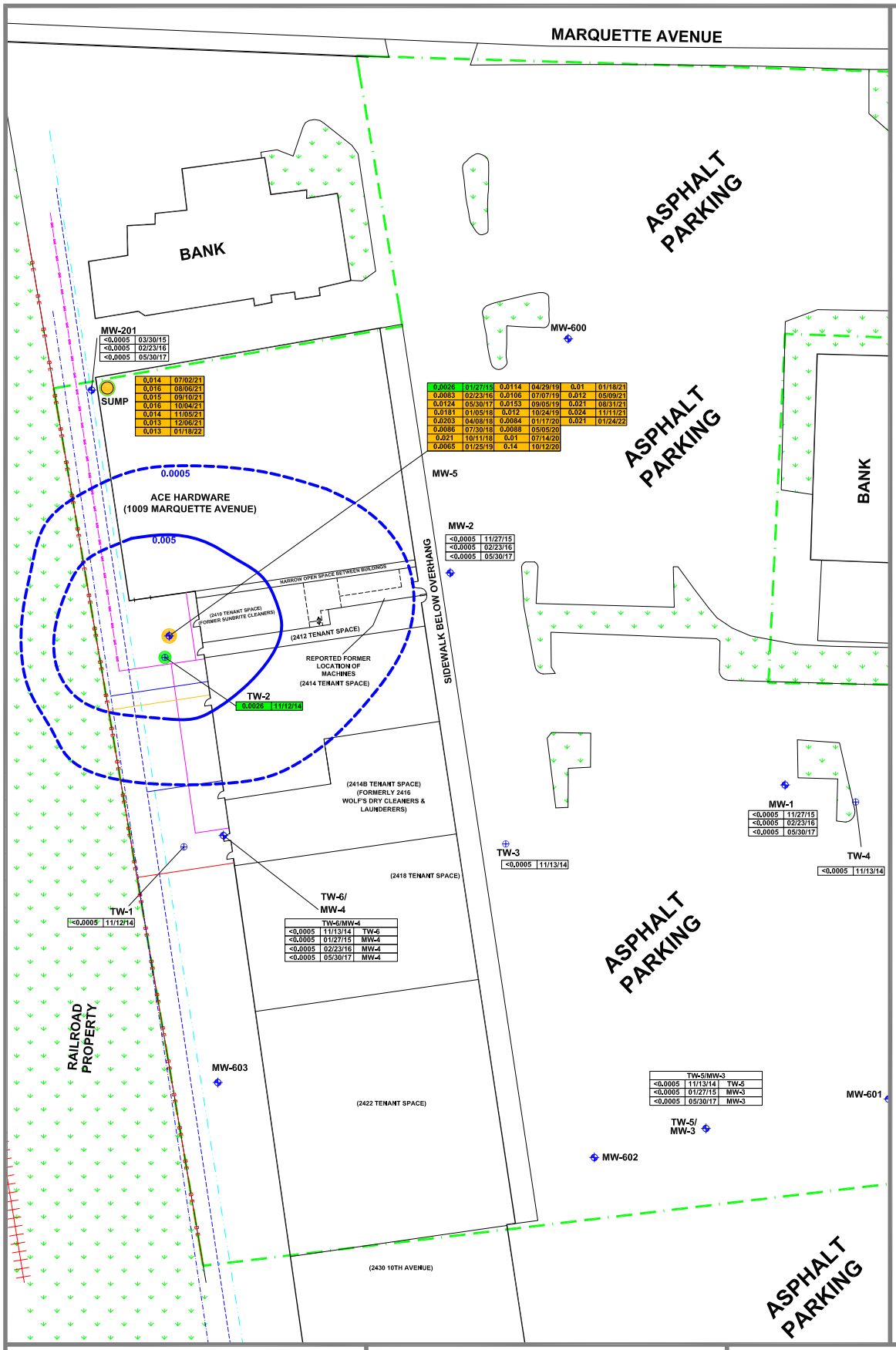
APPENDIX B
FIGURES



ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.1.b.1
DETAILED SITE MAP WITH AERIAL VIEW
OF SITE AND SURROUNDING PROPERTY
(2019 AERIAL TAKEN FROM GOOGLE EARTH)



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED PAL EXCEEDANCE FOR PERC
- OBSERVED PAL AND ES EXCEEDANCE FOR PERC

PERC CONC. mg/L	SAMPLE DATE

- SITE INVESTIGATION DEFINED PERC ISOCONCENTRATION LINE (mg/L)
- SITE INVESTIGATION ESTIMATED PERC ISOCONCENTRATION LINE (mg/L)

N

0' 65'

SCALE

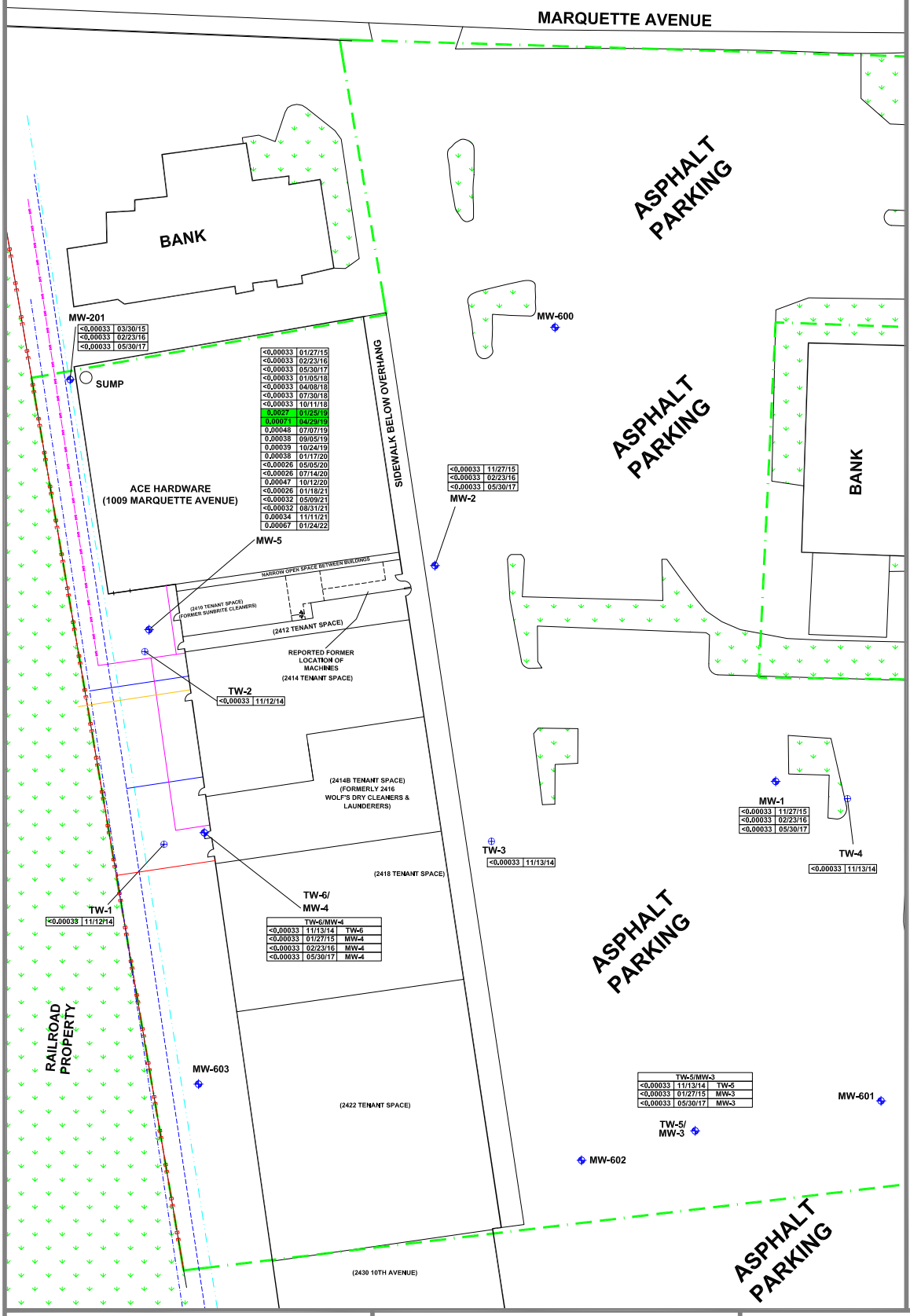
CAD FILE: 6255-212

REVISED: 02/16/22

ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.1a
GROUNDWATER ISOCONCENTRATION (PERC)



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED PAL EXCEEDANCE FOR TCE

TCE CONC. mg/L	SAMPLE DATE

N

0' 65'

SCALE

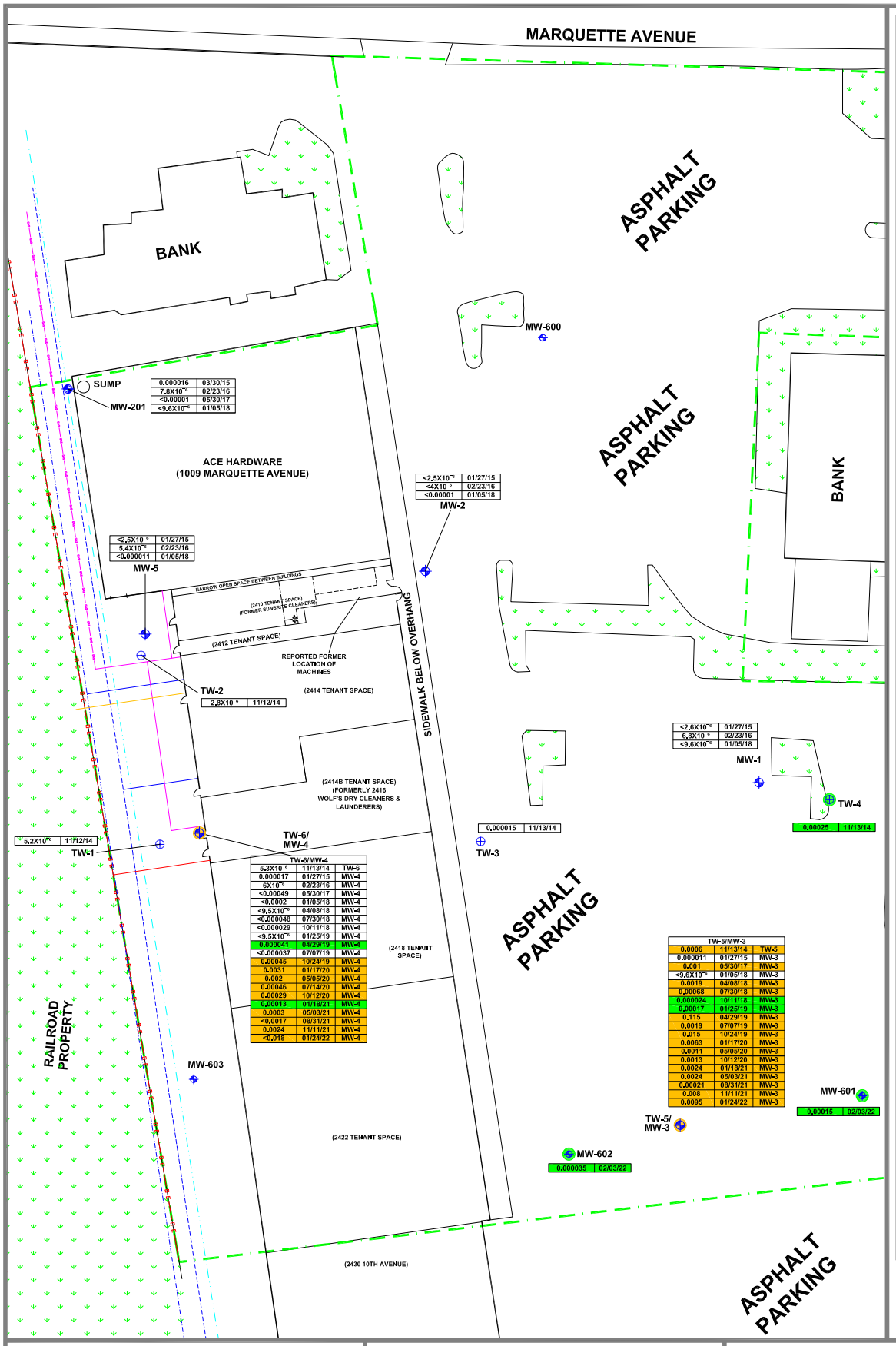
CAD FILE: 6255-214

REVISED: 02/16/22

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.1b
GROUNDWATER ISOCONCENTRATION (TCE)



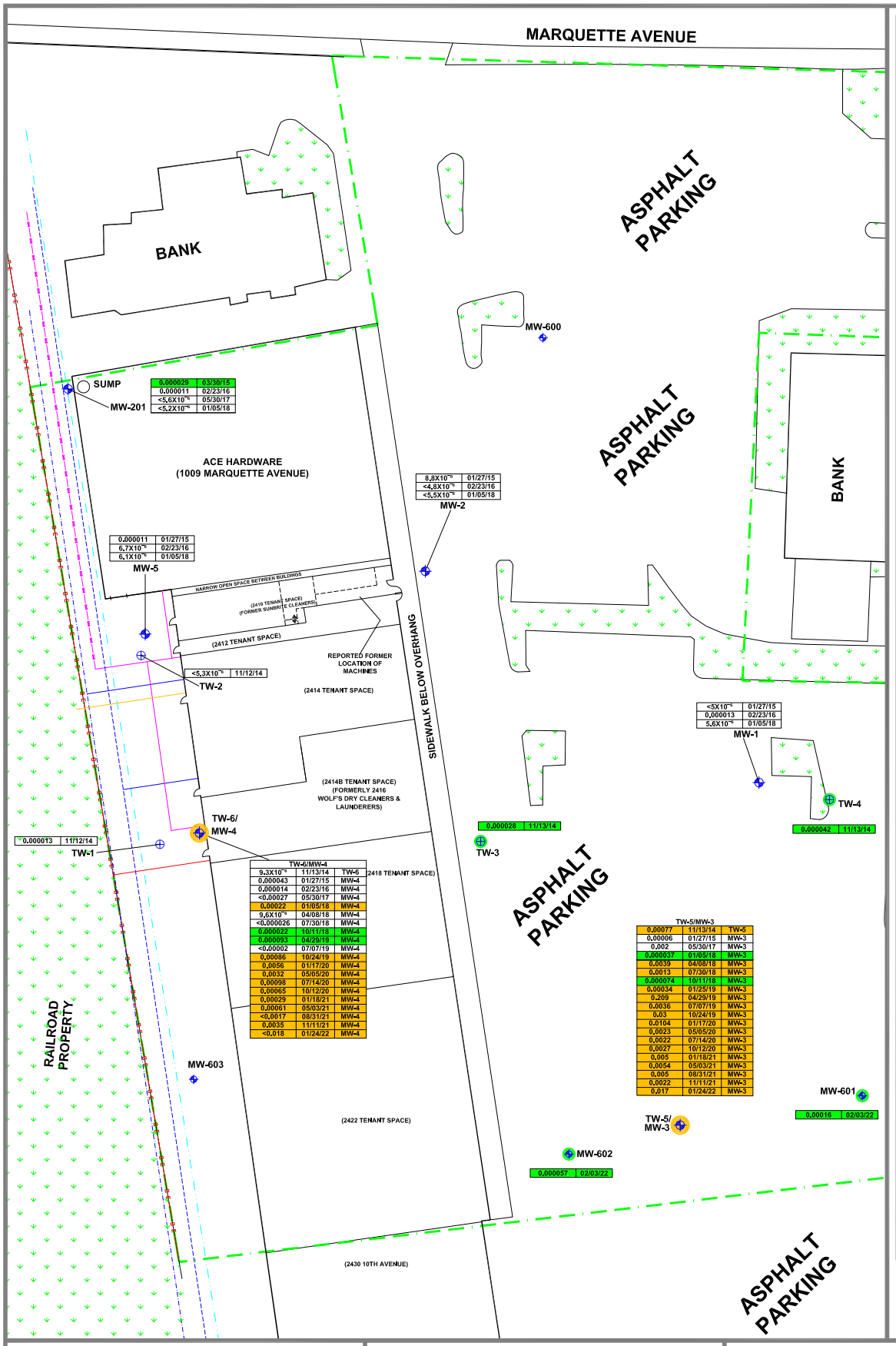
CAD FILE: 6255-215

REVISED: 02/15/22

ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.2a
GROUNDWATER ISOCONCENTRATION (BENZO(A)PYRENE)



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED EXCEEDANCE OF PAL
- OBSERVED EXCEEDANCE OF PAL AND ES

PAH CONC. mg/L	SAMPLE DATE

N

0' 65'

S C A L E

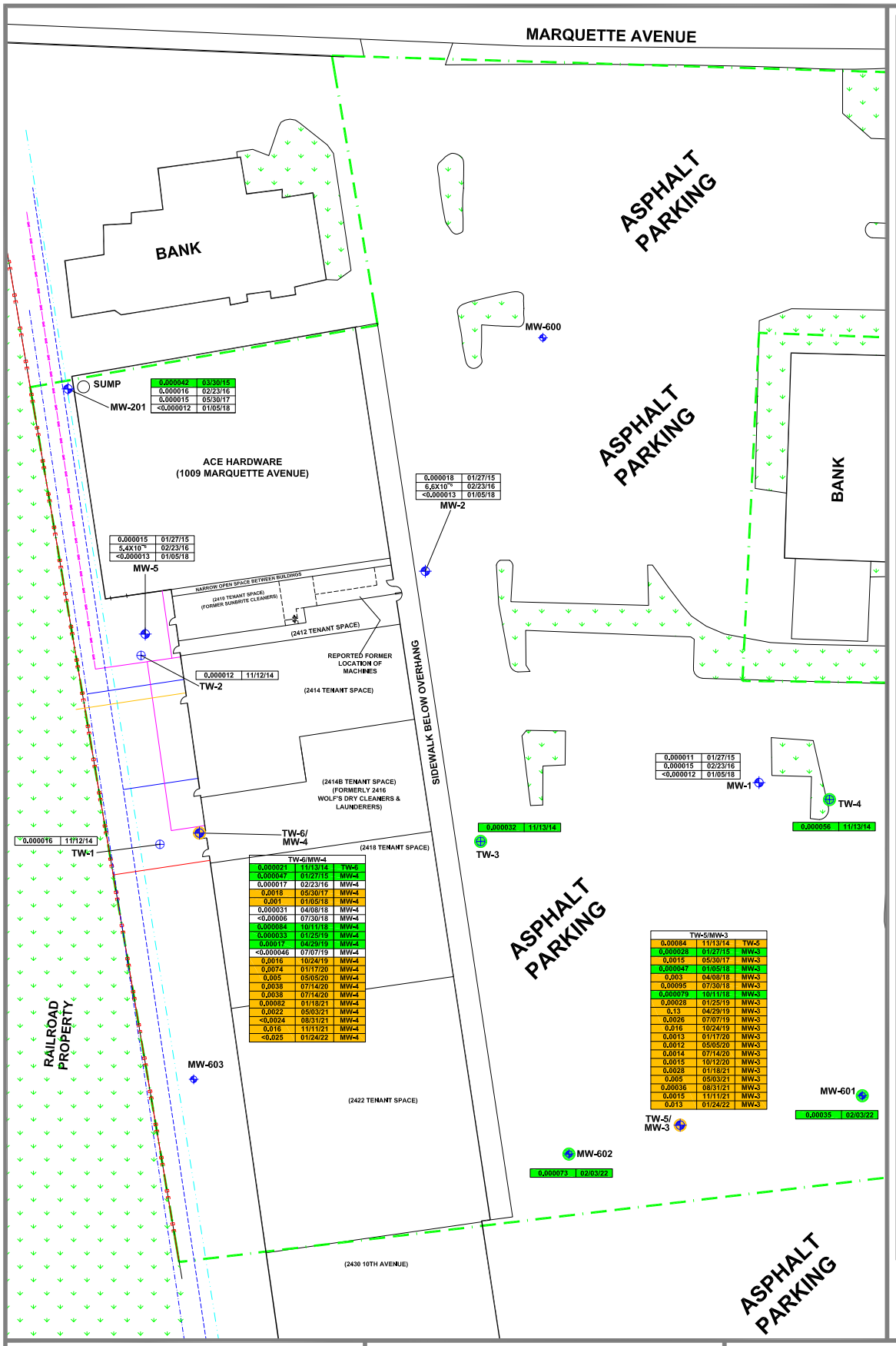
CAD FILE: 6255-216

REVISED: 02/15/22

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

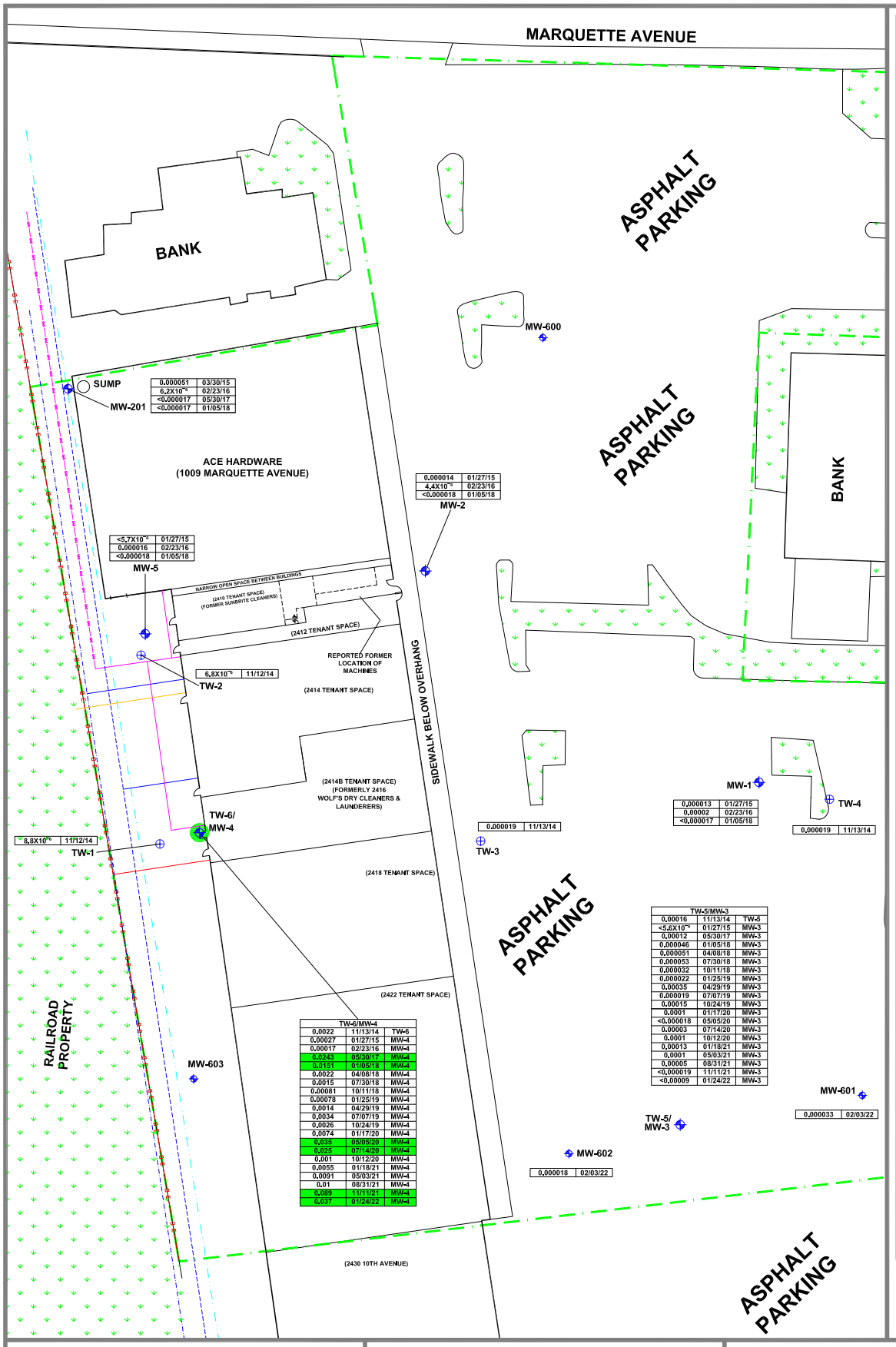
FIGURE B.3.b.2b
GROUNDWATER ISOCONCENTRATION (BENZO(B)FLUORANTHENE)



ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.2c
GROUNDWATER ISOCONCENTRATION (CHRYSENE)



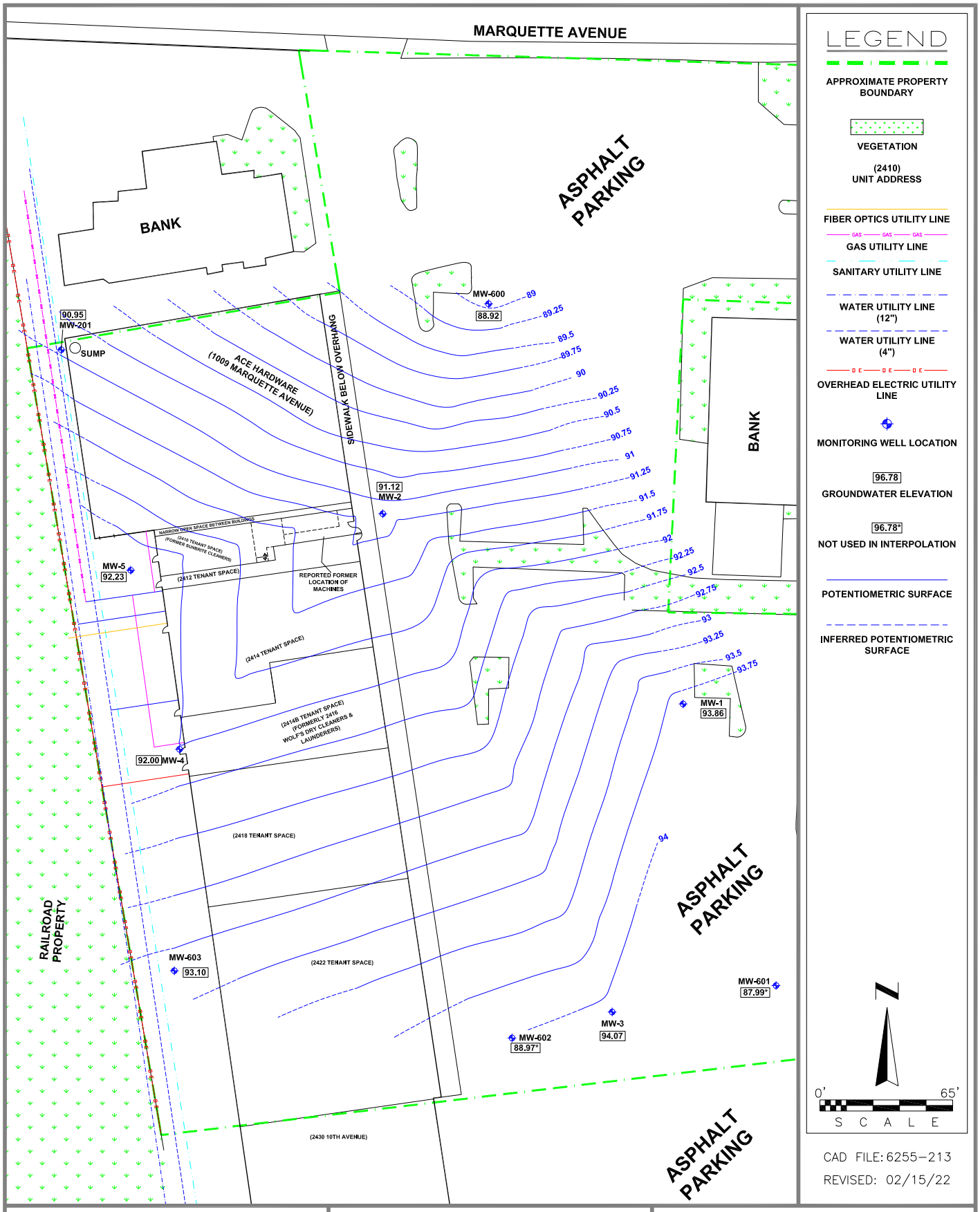
CAD FILE: 6255-218

REVISED: 02/15/22

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.2d
GROUNDWATER ISOCONCENTRATION (NAPHTHALENE)



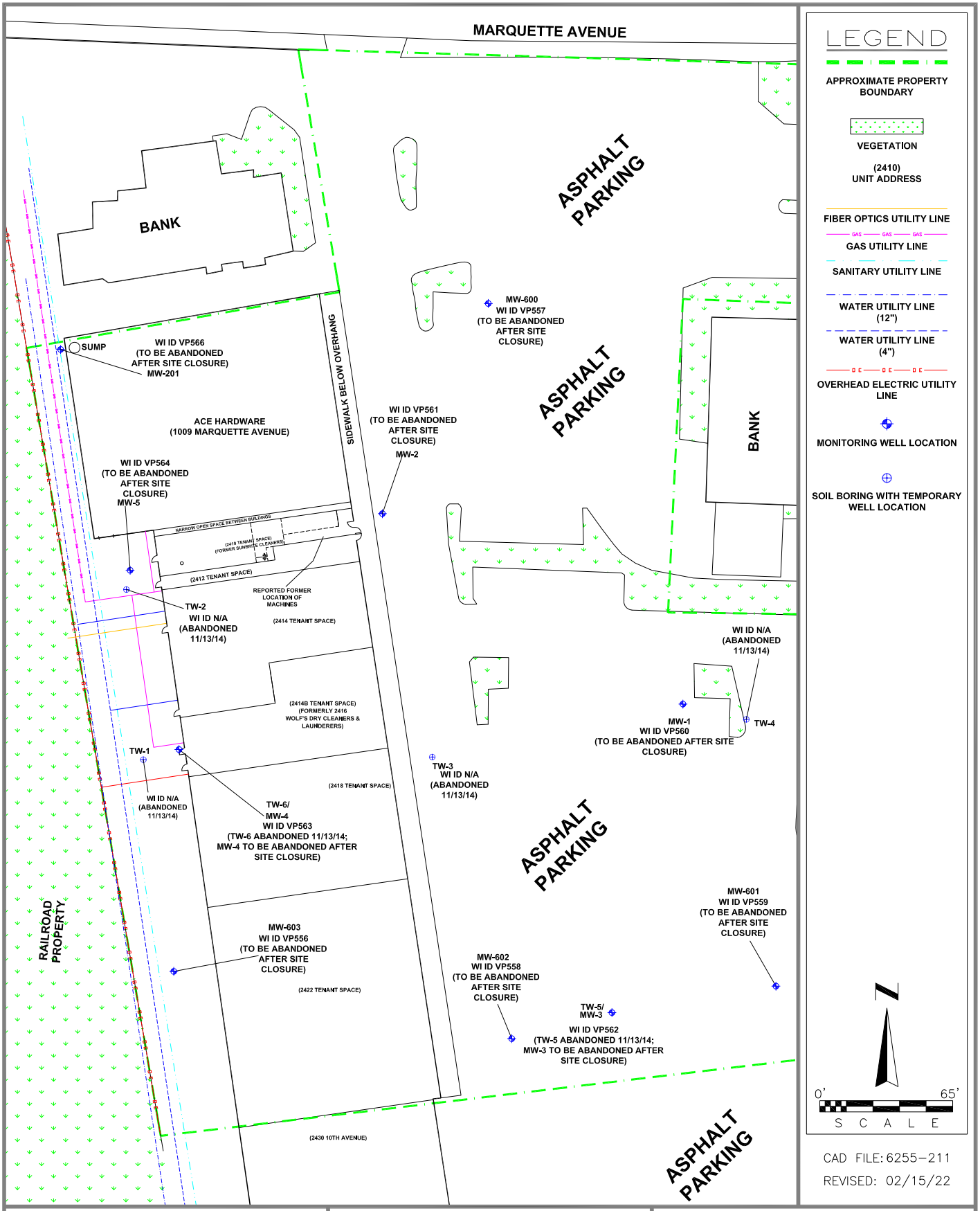
CAD FILE: 6255-213

REVISED: 02/15/22

ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.c.20
GROUNDWATER FLOW DIRECTION
(JANUARY 24, 2022)



CAD FILE: 6255-211

REVISED: 02/15/22

DAI ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.d
MONITORING WELLS

APPENDIX C.1.E
LABORATORY ANALYTICAL REPORT
(FIRST QUARTER 2022)

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

February 02, 2022

Chris Cailles
DAI Environmental
Polo Park Business Center
27834 Irma Lee Circle
Lake Forest, IL 60045

RE: Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Dear Chris Cailles:

Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

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

Enclosures

cc: Jenny Rovzar, DAI

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

CERTIFICATIONS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40239842001	**MW-3**	Water	01/24/22 13:00	01/26/22 08:00
40239842002	**MW-4**	Water	01/24/22 14:00	01/26/22 08:00
40239842003	**MW-5**	Water	01/24/22 12:00	01/26/22 08:00

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

SAMPLE ANALYTE COUNT

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40239842001	**MW-3**	EPA 8270E by SIM	RJN	20
40239842002	**MW-4**	EPA 8270E by SIM	RJN	20
40239842003	**MW-5**	EPA 8260	JAV	64

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40239842001	**MW-3**					
EPA 8270E by SIM	Acenaphthene	0.00019J	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Acenaphthylene	0.00038	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Anthracene	0.0013	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Benzo(a)anthracene	0.0049	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Benzo(a)pyrene	0.0095	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.017	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.013	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.0065	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Chrysene	0.013	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Dibenz(a,h)anthracene	0.0022	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Fluoranthene	0.023	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Fluorene	0.00037	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.0096	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Phenanthrene	0.0084	mg/L	0.00023	02/01/22 08:48	
EPA 8270E by SIM	Pyrene	0.015	mg/L	0.00023	02/01/22 08:48	
40239842002	**MW-4**					
EPA 8270E by SIM	Acenaphthene	0.068	mg/L	0.047	02/01/22 09:07	
EPA 8270E by SIM	Acenaphthylene	0.024J	mg/L	0.047	02/01/22 09:07	
EPA 8270E by SIM	Anthracene	0.051	mg/L	0.047	02/01/22 09:07	
EPA 8270E by SIM	Fluorene	0.13	mg/L	0.047	02/01/22 09:07	
EPA 8270E by SIM	1-Methylnaphthalene	0.14	mg/L	0.047	02/01/22 09:07	
EPA 8270E by SIM	Naphthalene	0.037J	mg/L	0.047	02/01/22 09:07	D3
EPA 8270E by SIM	Phenanthrene	0.21	mg/L	0.047	02/01/22 09:07	
EPA 8270E by SIM	Pyrene	0.060	mg/L	0.047	02/01/22 09:07	
40239842003	**MW-5**					
EPA 8260	Tetrachloroethene	0.021	mg/L	0.0010	01/27/22 14:19	
EPA 8260	1,1,1-Trichloroethane	0.00067J	mg/L	0.0010	01/27/22 14:19	
EPA 8260	Trichloroethene	0.00043J	mg/L	0.0010	01/27/22 14:19	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Sample: MW-3 **Lab ID: 40239842001** Collected: 01/24/22 13:00 Received: 01/26/22 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**0.00019J**	mg/L	0.00023	0.000063	5	01/31/22 09:05	02/01/22 08:48	83-32-9	
Acenaphthylene	**0.00038**	mg/L	0.00023	0.000057	5	01/31/22 09:05	02/01/22 08:48	208-96-8	
Anthracene	**0.0013**	mg/L	0.00023	0.000083	5	01/31/22 09:05	02/01/22 08:48	120-12-7	
Benzo(a)anthracene	**0.0049**	mg/L	0.00023	0.000061	5	01/31/22 09:05	02/01/22 08:48	56-55-3	
Benzo(a)pyrene	**0.0095**	mg/L	0.00023	0.000088	5	01/31/22 09:05	02/01/22 08:48	50-32-8	
Benzo(b)fluoranthene	**0.017**	mg/L	0.00023	0.000088	5	01/31/22 09:05	02/01/22 08:48	205-99-2	
Benzo(g,h,i)perylene	**0.013**	mg/L	0.00023	0.00011	5	01/31/22 09:05	02/01/22 08:48	191-24-2	
Benzo(k)fluoranthene	**0.0065**	mg/L	0.00023	0.00010	5	01/31/22 09:05	02/01/22 08:48	207-08-9	
Chrysene	**0.013**	mg/L	0.00023	0.00012	5	01/31/22 09:05	02/01/22 08:48	218-01-9	
Dibenz(a,h)anthracene	**0.0022**	mg/L	0.00023	0.000080	5	01/31/22 09:05	02/01/22 08:48	53-70-3	
Fluoranthene	**0.023**	mg/L	0.00023	0.00012	5	01/31/22 09:05	02/01/22 08:48	206-44-0	
Fluorene	**0.00037**	mg/L	0.00023	0.00011	5	01/31/22 09:05	02/01/22 08:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0096**	mg/L	0.00023	0.000070	5	01/31/22 09:05	02/01/22 08:48	193-39-5	
1-Methylnaphthalene	**<0.000081**	mg/L	0.00023	0.000081	5	01/31/22 09:05	02/01/22 08:48	90-12-0	
2-Methylnaphthalene	**<0.000062**	mg/L	0.00023	0.000062	5	01/31/22 09:05	02/01/22 08:48	91-57-6	
Naphthalene	**<0.000090**	mg/L	0.00023	0.000090	5	01/31/22 09:05	02/01/22 08:48	91-20-3	
Phenanthrene	**0.0084**	mg/L	0.00023	0.00012	5	01/31/22 09:05	02/01/22 08:48	85-01-8	
Pyrene	**0.015**	mg/L	0.00023	0.00010	5	01/31/22 09:05	02/01/22 08:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	10-113		5	01/31/22 09:05	02/01/22 08:48	321-60-8	
Terphenyl-d14 (S)	69	%	28-124		5	01/31/22 09:05	02/01/22 08:48	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Sample: MW-4 **Lab ID: 40239842002** Collected: 01/24/22 14:00 Received: 01/26/22 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**0.068**	mg/L	0.047	0.013	1000	01/31/22 09:05	02/01/22 09:07	83-32-9	
Acenaphthylene	**0.024J**	mg/L	0.047	0.012	1000	01/31/22 09:05	02/01/22 09:07	208-96-8	
Anthracene	**0.051**	mg/L	0.047	0.017	1000	01/31/22 09:05	02/01/22 09:07	120-12-7	
Benzo(a)anthracene	**<0.013**	mg/L	0.047	0.013	1000	01/31/22 09:05	02/01/22 09:07	56-55-3	
Benzo(a)pyrene	**<0.018**	mg/L	0.047	0.018	1000	01/31/22 09:05	02/01/22 09:07	50-32-8	
Benzo(b)fluoranthene	**<0.018**	mg/L	0.047	0.018	1000	01/31/22 09:05	02/01/22 09:07	205-99-2	
Benzo(g,h,i)perylene	**<0.022**	mg/L	0.047	0.022	1000	01/31/22 09:05	02/01/22 09:07	191-24-2	
Benzo(k)fluoranthene	**<0.021**	mg/L	0.047	0.021	1000	01/31/22 09:05	02/01/22 09:07	207-08-9	
Chrysene	**<0.025**	mg/L	0.047	0.025	1000	01/31/22 09:05	02/01/22 09:07	218-01-9	
Dibenz(a,h)anthracene	**<0.017**	mg/L	0.047	0.017	1000	01/31/22 09:05	02/01/22 09:07	53-70-3	
Fluoranthene	**<0.024**	mg/L	0.047	0.024	1000	01/31/22 09:05	02/01/22 09:07	206-44-0	
Fluorene	**0.13**	mg/L	0.047	0.022	1000	01/31/22 09:05	02/01/22 09:07	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.015**	mg/L	0.047	0.015	1000	01/31/22 09:05	02/01/22 09:07	193-39-5	
1-Methylnaphthalene	**0.14**	mg/L	0.047	0.017	1000	01/31/22 09:05	02/01/22 09:07	90-12-0	
2-Methylnaphthalene	**<0.013**	mg/L	0.047	0.013	1000	01/31/22 09:05	02/01/22 09:07	91-57-6	
Naphthalene	**0.037J**	mg/L	0.047	0.019	1000	01/31/22 09:05	02/01/22 09:07	91-20-3	D3
Phenanthrene	**0.21**	mg/L	0.047	0.024	1000	01/31/22 09:05	02/01/22 09:07	85-01-8	
Pyrene	**0.060**	mg/L	0.047	0.021	1000	01/31/22 09:05	02/01/22 09:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	30	%	10-113		1000	01/31/22 09:05	02/01/22 09:07	321-60-8	
Terphenyl-d14 (S)	0	%	28-124		1000	01/31/22 09:05	02/01/22 09:07	1718-51-0	S4

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Sample: MW-5 **Lab ID: 40239842003** Collected: 01/24/22 12:00 Received: 01/26/22 08:00 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	**<0.00030**	mg/L	0.0010	0.00030	1		01/27/22 14:19	71-43-2	
Bromobenzene	**<0.00036**	mg/L	0.0010	0.00036	1		01/27/22 14:19	108-86-1	
Bromochloromethane	**<0.00036**	mg/L	0.0050	0.00036	1		01/27/22 14:19	74-97-5	
Bromodichloromethane	**<0.00042**	mg/L	0.0010	0.00042	1		01/27/22 14:19	75-27-4	
Bromoform	**<0.0038**	mg/L	0.0050	0.0038	1		01/27/22 14:19	75-25-2	
Bromomethane	**<0.0012**	mg/L	0.0050	0.0012	1		01/27/22 14:19	74-83-9	
n-Butylbenzene	**<0.00086**	mg/L	0.0010	0.00086	1		01/27/22 14:19	104-51-8	
sec-Butylbenzene	**<0.00042**	mg/L	0.0010	0.00042	1		01/27/22 14:19	135-98-8	
tert-Butylbenzene	**<0.00059**	mg/L	0.0010	0.00059	1		01/27/22 14:19	98-06-6	
Carbon tetrachloride	**<0.00037**	mg/L	0.0010	0.00037	1		01/27/22 14:19	56-23-5	
Chlorobenzene	**<0.00086**	mg/L	0.0010	0.00086	1		01/27/22 14:19	108-90-7	
Chloroethane	**<0.0014**	mg/L	0.0050	0.0014	1		01/27/22 14:19	75-00-3	
Chloroform	**<0.0012**	mg/L	0.0050	0.0012	1		01/27/22 14:19	67-66-3	
Chloromethane	**<0.0016**	mg/L	0.0050	0.0016	1		01/27/22 14:19	74-87-3	
2-Chlorotoluene	**<0.00089**	mg/L	0.0050	0.00089	1		01/27/22 14:19	95-49-8	
4-Chlorotoluene	**<0.00089**	mg/L	0.0050	0.00089	1		01/27/22 14:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.0024**	mg/L	0.0050	0.0024	1		01/27/22 14:19	96-12-8	
Dibromochloromethane	**<0.0026**	mg/L	0.0050	0.0026	1		01/27/22 14:19	124-48-1	
1,2-Dibromoethane (EDB)	**<0.00031**	mg/L	0.0010	0.00031	1		01/27/22 14:19	106-93-4	
Dibromomethane	**<0.00099**	mg/L	0.0050	0.00099	1		01/27/22 14:19	74-95-3	
1,2-Dichlorobenzene	**<0.00033**	mg/L	0.0010	0.00033	1		01/27/22 14:19	95-50-1	
1,3-Dichlorobenzene	**<0.00035**	mg/L	0.0010	0.00035	1		01/27/22 14:19	541-73-1	
1,4-Dichlorobenzene	**<0.00089**	mg/L	0.0010	0.00089	1		01/27/22 14:19	106-46-7	
Dichlorodifluoromethane	**<0.00046**	mg/L	0.0050	0.00046	1		01/27/22 14:19	75-71-8	
1,1-Dichloroethane	**<0.00030**	mg/L	0.0010	0.00030	1		01/27/22 14:19	75-34-3	
1,2-Dichloroethane	**<0.00029**	mg/L	0.0010	0.00029	1		01/27/22 14:19	107-06-2	
1,1-Dichloroethene	**<0.00058**	mg/L	0.0010	0.00058	1		01/27/22 14:19	75-35-4	
cis-1,2-Dichloroethene	**<0.00047**	mg/L	0.0010	0.00047	1		01/27/22 14:19	156-59-2	
trans-1,2-Dichloroethene	**<0.00053**	mg/L	0.0010	0.00053	1		01/27/22 14:19	156-60-5	
1,2-Dichloropropane	**<0.00045**	mg/L	0.0010	0.00045	1		01/27/22 14:19	78-87-5	
1,3-Dichloropropane	**<0.00030**	mg/L	0.0010	0.00030	1		01/27/22 14:19	142-28-9	
2,2-Dichloropropane	**<0.0042**	mg/L	0.0050	0.0042	1		01/27/22 14:19	594-20-7	
1,1-Dichloropropene	**<0.00041**	mg/L	0.0010	0.00041	1		01/27/22 14:19	563-58-6	
cis-1,3-Dichloropropene	**<0.00036**	mg/L	0.0010	0.00036	1		01/27/22 14:19	10061-01-5	
trans-1,3-Dichloropropene	**<0.0035**	mg/L	0.0050	0.0035	1		01/27/22 14:19	10061-02-6	
Diisopropyl ether	**<0.0011**	mg/L	0.0050	0.0011	1		01/27/22 14:19	108-20-3	
Ethylbenzene	**<0.00033**	mg/L	0.0010	0.00033	1		01/27/22 14:19	100-41-4	
Hexachloro-1,3-butadiene	**<0.0027**	mg/L	0.0050	0.0027	1		01/27/22 14:19	87-68-3	
Isopropylbenzene (Cumene)	**<0.0010**	mg/L	0.0050	0.0010	1		01/27/22 14:19	98-82-8	
p-Isopropyltoluene	**<0.0010**	mg/L	0.0050	0.0010	1		01/27/22 14:19	99-87-6	
Methylene Chloride	**<0.00032**	mg/L	0.0050	0.00032	1		01/27/22 14:19	75-09-2	
Methyl-tert-butyl ether	**<0.0011**	mg/L	0.0050	0.0011	1		01/27/22 14:19	1634-04-4	
Naphthalene	**<0.0011**	mg/L	0.0050	0.0011	1		01/27/22 14:19	91-20-3	
n-Propylbenzene	**<0.00035**	mg/L	0.0010	0.00035	1		01/27/22 14:19	103-65-1	
Styrene	**<0.00036**	mg/L	0.0010	0.00036	1		01/27/22 14:19	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: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Sample: MW-5 **Lab ID: 40239842003** Collected: 01/24/22 12:00 Received: 01/26/22 08:00 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	**<0.00036**	mg/L	0.0010	0.00036	1		01/27/22 14:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.00038**	mg/L	0.0010	0.00038	1		01/27/22 14:19	79-34-5	
Tetrachloroethene	**0.021**	mg/L	0.0010	0.00041	1		01/27/22 14:19	127-18-4	
Toluene	**<0.00029**	mg/L	0.0010	0.00029	1		01/27/22 14:19	108-88-3	
1,2,3-Trichlorobenzene	**<0.0010**	mg/L	0.0050	0.0010	1		01/27/22 14:19	87-61-6	
1,2,4-Trichlorobenzene	**<0.00095**	mg/L	0.0050	0.00095	1		01/27/22 14:19	120-82-1	
1,1,1-Trichloroethane	**0.00067J**	mg/L	0.0010	0.00030	1		01/27/22 14:19	71-55-6	
1,1,2-Trichloroethane	**<0.00034**	mg/L	0.0050	0.00034	1		01/27/22 14:19	79-00-5	
Trichloroethene	**0.00043J**	mg/L	0.0010	0.00032	1		01/27/22 14:19	79-01-6	
Trichlorofluoromethane	**<0.00042**	mg/L	0.0010	0.00042	1		01/27/22 14:19	75-69-4	
1,2,3-Trichloropropane	**<0.00056**	mg/L	0.0050	0.00056	1		01/27/22 14:19	96-18-4	
1,2,4-Trimethylbenzene	**<0.00045**	mg/L	0.0010	0.00045	1		01/27/22 14:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.00036**	mg/L	0.0010	0.00036	1		01/27/22 14:19	108-67-8	
Vinyl chloride	**<0.00017**	mg/L	0.0010	0.00017	1		01/27/22 14:19	75-01-4	
m&p-Xylene	**<0.00070**	mg/L	0.0020	0.00070	1		01/27/22 14:19	179601-23-1	
o-Xylene	**<0.00035**	mg/L	0.0010	0.00035	1		01/27/22 14:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		01/27/22 14:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		01/27/22 14:19	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		01/27/22 14:19	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: 6255 S. MILWAUKEE
Pace Project No.: 40239842

QC Batch: 407072
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40239842003

METHOD BLANK: 2347549 Matrix: Water
Associated Lab Samples: 40239842003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	<0.00036	0.0010	01/27/22 09:09	
1,1,1-Trichloroethane	mg/L	<0.00030	0.0010	01/27/22 09:09	
1,1,2,2-Tetrachloroethane	mg/L	<0.00038	0.0010	01/27/22 09:09	
1,1,2-Trichloroethane	mg/L	<0.00034	0.0050	01/27/22 09:09	
1,1-Dichloroethane	mg/L	<0.00030	0.0010	01/27/22 09:09	
1,1-Dichloroethene	mg/L	<0.00058	0.0010	01/27/22 09:09	
1,1-Dichloropropene	mg/L	<0.00041	0.0010	01/27/22 09:09	
1,2,3-Trichlorobenzene	mg/L	<0.0010	0.0050	01/27/22 09:09	
1,2,3-Trichloropropane	mg/L	<0.00056	0.0050	01/27/22 09:09	
1,2,4-Trichlorobenzene	mg/L	<0.00095	0.0050	01/27/22 09:09	
1,2,4-Trimethylbenzene	mg/L	<0.00045	0.0010	01/27/22 09:09	
1,2-Dibromo-3-chloropropane	mg/L	<0.0024	0.0050	01/27/22 09:09	
1,2-Dibromoethane (EDB)	mg/L	<0.00031	0.0010	01/27/22 09:09	
1,2-Dichlorobenzene	mg/L	<0.00033	0.0010	01/27/22 09:09	
1,2-Dichloroethane	mg/L	<0.00029	0.0010	01/27/22 09:09	
1,2-Dichloropropane	mg/L	<0.00045	0.0010	01/27/22 09:09	
1,3,5-Trimethylbenzene	mg/L	<0.00036	0.0010	01/27/22 09:09	
1,3-Dichlorobenzene	mg/L	<0.00035	0.0010	01/27/22 09:09	
1,3-Dichloropropane	mg/L	<0.00030	0.0010	01/27/22 09:09	
1,4-Dichlorobenzene	mg/L	<0.00089	0.0010	01/27/22 09:09	
2,2-Dichloropropane	mg/L	<0.0042	0.0050	01/27/22 09:09	
2-Chlorotoluene	mg/L	<0.00089	0.0050	01/27/22 09:09	
4-Chlorotoluene	mg/L	<0.00089	0.0050	01/27/22 09:09	
Benzene	mg/L	<0.00030	0.0010	01/27/22 09:09	
Bromobenzene	mg/L	<0.00036	0.0010	01/27/22 09:09	
Bromochloromethane	mg/L	<0.00036	0.0050	01/27/22 09:09	
Bromodichloromethane	mg/L	<0.00042	0.0010	01/27/22 09:09	
Bromoform	mg/L	<0.0038	0.0050	01/27/22 09:09	
Bromomethane	mg/L	<0.0012	0.0050	01/27/22 09:09	
Carbon tetrachloride	mg/L	<0.00037	0.0010	01/27/22 09:09	
Chlorobenzene	mg/L	<0.00086	0.0010	01/27/22 09:09	
Chloroethane	mg/L	<0.0014	0.0050	01/27/22 09:09	
Chloroform	mg/L	<0.0012	0.0050	01/27/22 09:09	
Chloromethane	mg/L	<0.0016	0.0050	01/27/22 09:09	
cis-1,2-Dichloroethene	mg/L	<0.00047	0.0010	01/27/22 09:09	
cis-1,3-Dichloropropene	mg/L	<0.00036	0.0010	01/27/22 09:09	
Dibromochloromethane	mg/L	<0.0026	0.0050	01/27/22 09:09	
Dibromomethane	mg/L	<0.00099	0.0050	01/27/22 09:09	
Dichlorodifluoromethane	mg/L	<0.00046	0.0050	01/27/22 09:09	
Diisopropyl ether	mg/L	<0.0011	0.0050	01/27/22 09:09	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

METHOD BLANK: 2347549 Matrix: Water
Associated Lab Samples: 40239842003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/L	<0.00033	0.0010	01/27/22 09:09	
Hexachloro-1,3-butadiene	mg/L	<0.0027	0.0050	01/27/22 09:09	
Isopropylbenzene (Cumene)	mg/L	<0.0010	0.0050	01/27/22 09:09	
m&p-Xylene	mg/L	<0.00070	0.0020	01/27/22 09:09	
Methyl-tert-butyl ether	mg/L	<0.0011	0.0050	01/27/22 09:09	
Methylene Chloride	mg/L	<0.00032	0.0050	01/27/22 09:09	
n-Butylbenzene	mg/L	<0.00086	0.0010	01/27/22 09:09	
n-Propylbenzene	mg/L	<0.00035	0.0010	01/27/22 09:09	
Naphthalene	mg/L	<0.0011	0.0050	01/27/22 09:09	
o-Xylene	mg/L	<0.00035	0.0010	01/27/22 09:09	
p-Isopropyltoluene	mg/L	<0.0010	0.0050	01/27/22 09:09	
sec-Butylbenzene	mg/L	<0.00042	0.0010	01/27/22 09:09	
Styrene	mg/L	<0.00036	0.0010	01/27/22 09:09	
tert-Butylbenzene	mg/L	<0.00059	0.0010	01/27/22 09:09	
Tetrachloroethene	mg/L	<0.00041	0.0010	01/27/22 09:09	
Toluene	mg/L	<0.00029	0.0010	01/27/22 09:09	
trans-1,2-Dichloroethene	mg/L	<0.00053	0.0010	01/27/22 09:09	
trans-1,3-Dichloropropene	mg/L	<0.0035	0.0050	01/27/22 09:09	
Trichloroethene	mg/L	<0.00032	0.0010	01/27/22 09:09	
Trichlorofluoromethane	mg/L	<0.00042	0.0010	01/27/22 09:09	
Vinyl chloride	mg/L	<0.00017	0.0010	01/27/22 09:09	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	01/27/22 09:09	
4-Bromofluorobenzene (S)	%	98	70-130	01/27/22 09:09	
Toluene-d8 (S)	%	98	70-130	01/27/22 09:09	

LABORATORY CONTROL SAMPLE: 2347550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	0.05	0.061	121	70-130	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.048	96	66-130	
1,1,2-Trichloroethane	mg/L	0.05	0.051	101	70-130	
1,1-Dichloroethane	mg/L	0.05	0.059	118	68-132	
1,1-Dichloroethene	mg/L	0.05	0.051	101	85-126	
1,2,4-Trichlorobenzene	mg/L	0.05	0.048	96	70-130	
1,2-Dibromo-3-chloropropane	mg/L	0.05	0.049	98	51-126	
1,2-Dibromoethane (EDB)	mg/L	0.05	0.050	101	70-130	
1,2-Dichlorobenzene	mg/L	0.05	0.051	102	70-130	
1,2-Dichloroethane	mg/L	0.05	0.058	116	70-130	
1,2-Dichloropropane	mg/L	0.05	0.055	110	78-125	
1,3-Dichlorobenzene	mg/L	0.05	0.051	102	70-130	
1,4-Dichlorobenzene	mg/L	0.05	0.051	103	70-130	
Benzene	mg/L	0.05	0.050	101	70-132	
Bromodichloromethane	mg/L	0.05	0.057	115	70-130	
Bromoform	mg/L	0.05	0.057	114	65-130	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

LABORATORY CONTROL SAMPLE: 2347550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/L	0.05	0.034	69	44-128	
Carbon tetrachloride	mg/L	0.05	0.063	127	70-130	
Chlorobenzene	mg/L	0.05	0.053	107	70-130	
Chloroethane	mg/L	0.05	0.052	105	73-137	
Chloroform	mg/L	0.05	0.056	112	80-122	
Chloromethane	mg/L	0.05	0.038	77	27-148	
cis-1,2-Dichloroethene	mg/L	0.05	0.052	103	70-130	
cis-1,3-Dichloropropene	mg/L	0.05	0.052	103	70-130	
Dibromochloromethane	mg/L	0.05	0.056	112	70-130	
Dichlorodifluoromethane	mg/L	0.05	0.023	45	22-151	
Ethylbenzene	mg/L	0.05	0.053	106	80-123	
Isopropylbenzene (Cumene)	mg/L	0.05	0.056	112	70-130	
m&p-Xylene	mg/L	0.1	0.11	106	70-130	
Methyl-tert-butyl ether	mg/L	0.05	0.050	101	66-130	
Methylene Chloride	mg/L	0.05	0.050	100	70-130	
o-Xylene	mg/L	0.05	0.053	105	70-130	
Styrene	mg/L	0.05	0.056	112	70-130	
Tetrachloroethene	mg/L	0.05	0.055	110	70-130	
Toluene	mg/L	0.05	0.051	102	80-121	
trans-1,2-Dichloroethene	mg/L	0.05	0.053	106	70-130	
trans-1,3-Dichloropropene	mg/L	0.05	0.048	96	58-125	
Trichloroethene	mg/L	0.05	0.056	111	70-130	
Trichlorofluoromethane	mg/L	0.05	0.060	121	84-148	
Vinyl chloride	mg/L	0.05	0.042	84	63-142	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	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: 6255 S. MILWAUKEE
Pace Project No.: 40239842

QC Batch: 407228
QC Batch Method: EPA 3510
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40239842001, 40239842002

METHOD BLANK: 2348601 Matrix: Water
Associated Lab Samples: 40239842001, 40239842002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/L	<0.000018	0.000050	02/01/22 07:53	
2-Methylnaphthalene	mg/L	<0.000014	0.000050	02/01/22 07:53	
Acenaphthene	mg/L	<0.000014	0.000050	02/01/22 07:53	
Acenaphthylene	mg/L	<0.000013	0.000050	02/01/22 07:53	
Anthracene	mg/L	<0.000018	0.000050	02/01/22 07:53	
Benzo(a)anthracene	mg/L	<0.000014	0.000050	02/01/22 07:53	
Benzo(a)pyrene	mg/L	<0.000020	0.000050	02/01/22 07:53	
Benzo(b)fluoranthene	mg/L	<0.000020	0.000050	02/01/22 07:53	
Benzo(g,h,i)perylene	mg/L	<0.000023	0.000050	02/01/22 07:53	
Benzo(k)fluoranthene	mg/L	<0.000022	0.000050	02/01/22 07:53	
Chrysene	mg/L	<0.000027	0.000050	02/01/22 07:53	
Dibenz(a,h)anthracene	mg/L	<0.000018	0.000050	02/01/22 07:53	
Fluoranthene	mg/L	<0.000026	0.000050	02/01/22 07:53	
Fluorene	mg/L	<0.000024	0.000050	02/01/22 07:53	
Indeno(1,2,3-cd)pyrene	mg/L	<0.000016	0.000050	02/01/22 07:53	
Naphthalene	mg/L	<0.000020	0.000050	02/01/22 07:53	
Phenanthrene	mg/L	<0.000026	0.000050	02/01/22 07:53	
Pyrene	mg/L	<0.000023	0.000050	02/01/22 07:53	
2-Fluorobiphenyl (S)	%	56	10-113	02/01/22 07:53	
Terphenyl-d14 (S)	%	70	28-124	02/01/22 07:53	

LABORATORY CONTROL SAMPLE & LCSD: 2348602 2348603

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	mg/L	0.002	0.0013	0.0012	67	62	59-120	8	20	
2-Methylnaphthalene	mg/L	0.002	0.0013	0.0012	65	60	58-120	7	20	
Acenaphthene	mg/L	0.002	0.0016	0.0015	78	75	71-120	3	20	
Acenaphthylene	mg/L	0.002	0.0015	0.0015	75	73	68-120	3	20	
Anthracene	mg/L	0.002	0.0016	0.0016	81	79	63-108	3	20	
Benzo(a)anthracene	mg/L	0.002	0.0015	0.0015	76	74	54-95	2	20	
Benzo(a)pyrene	mg/L	0.002	0.0016	0.0016	80	79	75-120	1	20	
Benzo(b)fluoranthene	mg/L	0.002	0.0015	0.0014	73	70	59-120	4	20	
Benzo(g,h,i)perylene	mg/L	0.002	0.0018	0.0017	90	87	78-120	3	20	
Benzo(k)fluoranthene	mg/L	0.002	0.0017	0.0016	84	82	78-120	2	20	
Chrysene	mg/L	0.002	0.0018	0.0018	89	88	82-128	1	20	
Dibenz(a,h)anthracene	mg/L	0.002	0.0019	0.0018	95	92	76-120	3	20	
Fluoranthene	mg/L	0.002	0.0016	0.0016	81	79	74-120	2	20	
Fluorene	mg/L	0.002	0.0015	0.0015	77	76	69-120	1	20	
Indeno(1,2,3-cd)pyrene	mg/L	0.002	0.0017	0.0017	87	86	74-120	1	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

LABORATORY CONTROL SAMPLE & LCSD: 2348602 2348603

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	mg/L	0.002	0.0014	0.0013	70	67	60-120	4	20	
Phenanthrene	mg/L	0.002	0.0015	0.0014	74	71	65-120	4	20	
Pyrene	mg/L	0.002	0.0018	0.0015	88	73	70-120	19	20	
2-Fluorobiphenyl (S)	%				61	61	10-113			
Terphenyl-d14 (S)	%				82	69	28-124			

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

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.

BATCH QUALIFIERS

Batch: 407284

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 S. MILWAUKEE
Pace Project No.: 40239842

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40239842001	**MW-3**	EPA 3510	407228	EPA 8270E by SIM	407284
40239842002	**MW-4**	EPA 3510	407228	EPA 8270E by SIM	407284
40239842003	**MW-5**	EPA 8260	407072		

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

402398 42

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	DAI Environmental
Branch/Location:	Lake Forest, IL
Project Contact:	Chris Cailles
Phone:	847-573-8900
Project Number:	6255
Project Name:	S. Milwaukee
Project State:	Wisconsin
Sampled By (Print):	Marcus Gruschow
Sampled By (Sign):	Marcus Gruschow
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	PNAs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-3	1/24/22	1:00	GW				X			
002	MW-4	1/24/22	2:00	GW				X			
003	MW-5	1/24/22	12:00	GW			X				

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

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	1/25/22 10:30		1-25-22 10:30
Mike	1/25/22 5:00	CS Logistics	1/25/22 8:00
CS Logistics	1/26/22 800	Pace	1/26/22 800

PACE Project No. 402398 42
Receipt Temp = 1.1 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Preservation Receipt Form

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

Client Name: DAI Env. Project # 40239642

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

Initial when completed: Date/ Time:

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

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
001						2																											2.5 / 5 / 10
002						2																											2.5 / 5 / 10
003																	3																2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

11/26/22 1240

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

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

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

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

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

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

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40239842

40239842

Client Name: DAI Env.

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~~ No Seals intact: ~~☒ yes~~ ☐ no

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

Thermometer Used SR - 116 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: 1.1

Person examining contents:

Date: 1/26/22 Initials: MP

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

Labeled By Initials: AH

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:	☐Yes ☒No ☐N/A	2. mail/invoice/filter/preservation 1/26/22 MP
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☒Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: 1/26/22 MP S+W	☒Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☒No ~~☒N/A~~	13. 1/26/22 MP
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

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

February 11, 2022

Chris Cailles
DAI Environmental
Polo Park Business Center
27834 Irma Lee Circle
Lake Forest, IL 60045

RE: Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

Dear Chris Cailles:

Enclosed are the analytical results for sample(s) received by the laboratory on February 08, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

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

Enclosures

cc: Jenny Rovzar, DAI

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

CERTIFICATIONS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40240306001	**MW-601**	Water	02/03/22 13:00	02/08/22 07:45
40240306002	**MW-602**	Water	02/04/22 14:00	02/08/22 07:45

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

SAMPLE ANALYTE COUNT

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40240306001	**MW-601**	EPA 8270E by SIM	MRN	20
40240306002	**MW-602**	EPA 8270E by SIM	MRN	20

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40240306001	**MW-601**					
EPA 8270E by SIM	Acenaphthene	0.000056	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Acenaphthylene	0.000015J	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Anthracene	0.00012	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Benzo(a)anthracene	0.00019	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Benzo(a)pyrene	0.00015	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.00016	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.00018	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.000064	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Chrysene	0.00035	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Dibenz(a,h)anthracene	0.000048	mg/L	0.000045	02/10/22 11:53	B
EPA 8270E by SIM	Fluoranthene	0.00032	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Fluorene	0.000068	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.000081	mg/L	0.000045	02/10/22 11:53	B
EPA 8270E by SIM	1-Methylnaphthalene	0.00013	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	2-Methylnaphthalene	0.000093	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Naphthalene	0.000033J	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Phenanthrene	0.00020	mg/L	0.000045	02/10/22 11:53	
EPA 8270E by SIM	Pyrene	0.00096	mg/L	0.000045	02/10/22 11:53	
40240306002	**MW-602**					
EPA 8270E by SIM	Benzo(a)anthracene	0.000025J	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	Benzo(a)pyrene	0.000035J	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.000057	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.000055	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	Chrysene	0.000073	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	Fluoranthene	0.00011	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.000028J	mg/L	0.000045	02/10/22 12:11	B
EPA 8270E by SIM	1-Methylnaphthalene	0.000024J	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	2-Methylnaphthalene	0.000017J	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	Phenanthrene	0.000087	mg/L	0.000045	02/10/22 12:11	
EPA 8270E by SIM	Pyrene	0.00011	mg/L	0.000045	02/10/22 12:11	

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

Sample: MW-601 **Lab ID: 40240306001** Collected: 02/03/22 13:00 Received: 02/08/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**0.000056**	mg/L	0.000045	0.000012	1	02/10/22 08:32	02/10/22 11:53	83-32-9	
Acenaphthylene	**0.000015J**	mg/L	0.000045	0.000011	1	02/10/22 08:32	02/10/22 11:53	208-96-8	
Anthracene	**0.00012**	mg/L	0.000045	0.000017	1	02/10/22 08:32	02/10/22 11:53	120-12-7	
Benzo(a)anthracene	**0.00019**	mg/L	0.000045	0.000012	1	02/10/22 08:32	02/10/22 11:53	56-55-3	
Benzo(a)pyrene	**0.00015**	mg/L	0.000045	0.000018	1	02/10/22 08:32	02/10/22 11:53	50-32-8	
Benzo(b)fluoranthene	**0.00016**	mg/L	0.000045	0.000018	1	02/10/22 08:32	02/10/22 11:53	205-99-2	
Benzo(g,h,i)perylene	**0.00018**	mg/L	0.000045	0.000021	1	02/10/22 08:32	02/10/22 11:53	191-24-2	
Benzo(k)fluoranthene	**0.000064**	mg/L	0.000045	0.000020	1	02/10/22 08:32	02/10/22 11:53	207-08-9	
Chrysene	**0.00035**	mg/L	0.000045	0.000024	1	02/10/22 08:32	02/10/22 11:53	218-01-9	
Dibenz(a,h)anthracene	**0.000048**	mg/L	0.000045	0.000016	1	02/10/22 08:32	02/10/22 11:53	53-70-3	B
Fluoranthene	**0.00032**	mg/L	0.000045	0.000023	1	02/10/22 08:32	02/10/22 11:53	206-44-0	
Fluorene	**0.000068**	mg/L	0.000045	0.000021	1	02/10/22 08:32	02/10/22 11:53	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.000081**	mg/L	0.000045	0.000014	1	02/10/22 08:32	02/10/22 11:53	193-39-5	B
1-Methylnaphthalene	**0.00013**	mg/L	0.000045	0.000016	1	02/10/22 08:32	02/10/22 11:53	90-12-0	
2-Methylnaphthalene	**0.000093**	mg/L	0.000045	0.000012	1	02/10/22 08:32	02/10/22 11:53	91-57-6	
Naphthalene	**0.000033J**	mg/L	0.000045	0.000018	1	02/10/22 08:32	02/10/22 11:53	91-20-3	
Phenanthrene	**0.00020**	mg/L	0.000045	0.000023	1	02/10/22 08:32	02/10/22 11:53	85-01-8	
Pyrene	**0.00096**	mg/L	0.000045	0.000020	1	02/10/22 08:32	02/10/22 11:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	10-113		1	02/10/22 08:32	02/10/22 11:53	321-60-8	
Terphenyl-d14 (S)	80	%	28-124		1	02/10/22 08:32	02/10/22 11:53	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

Sample: MW-602 **Lab ID: 40240306002** Collected: 02/04/22 14:00 Received: 02/08/22 07:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	**<0.000012**	mg/L	0.000045	0.000012	1	02/10/22 08:32	02/10/22 12:11	83-32-9	
Acenaphthylene	**<0.000011**	mg/L	0.000045	0.000011	1	02/10/22 08:32	02/10/22 12:11	208-96-8	
Anthracene	**<0.000017**	mg/L	0.000045	0.000017	1	02/10/22 08:32	02/10/22 12:11	120-12-7	
Benzo(a)anthracene	**0.000025J**	mg/L	0.000045	0.000012	1	02/10/22 08:32	02/10/22 12:11	56-55-3	
Benzo(a)pyrene	**0.000035J**	mg/L	0.000045	0.000018	1	02/10/22 08:32	02/10/22 12:11	50-32-8	
Benzo(b)fluoranthene	**0.000057**	mg/L	0.000045	0.000018	1	02/10/22 08:32	02/10/22 12:11	205-99-2	
Benzo(g,h,i)perylene	**0.000055**	mg/L	0.000045	0.000021	1	02/10/22 08:32	02/10/22 12:11	191-24-2	
Benzo(k)fluoranthene	**<0.000020**	mg/L	0.000045	0.000020	1	02/10/22 08:32	02/10/22 12:11	207-08-9	
Chrysene	**0.000073**	mg/L	0.000045	0.000024	1	02/10/22 08:32	02/10/22 12:11	218-01-9	
Dibenz(a,h)anthracene	**<0.000016**	mg/L	0.000045	0.000016	1	02/10/22 08:32	02/10/22 12:11	53-70-3	
Fluoranthene	**0.00011**	mg/L	0.000045	0.000023	1	02/10/22 08:32	02/10/22 12:11	206-44-0	
Fluorene	**<0.000021**	mg/L	0.000045	0.000021	1	02/10/22 08:32	02/10/22 12:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.000028J**	mg/L	0.000045	0.000014	1	02/10/22 08:32	02/10/22 12:11	193-39-5	B
1-Methylnaphthalene	**0.000024J**	mg/L	0.000045	0.000016	1	02/10/22 08:32	02/10/22 12:11	90-12-0	
2-Methylnaphthalene	**0.000017J**	mg/L	0.000045	0.000012	1	02/10/22 08:32	02/10/22 12:11	91-57-6	
Naphthalene	**<0.000018**	mg/L	0.000045	0.000018	1	02/10/22 08:32	02/10/22 12:11	91-20-3	
Phenanthrene	**0.000087**	mg/L	0.000045	0.000023	1	02/10/22 08:32	02/10/22 12:11	85-01-8	
Pyrene	**0.00011**	mg/L	0.000045	0.000020	1	02/10/22 08:32	02/10/22 12:11	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	70	%	10-113		1	02/10/22 08:32	02/10/22 12:11	321-60-8	
Terphenyl-d14 (S)	71	%	28-124		1	02/10/22 08:32	02/10/22 12:11	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

QC Batch: 407989
QC Batch Method: EPA 3510
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water PAH
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40240306001, 40240306002

METHOD BLANK: 2351881 Matrix: Water
Associated Lab Samples: 40240306001, 40240306002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/L	<0.000018	0.000050	02/10/22 10:39	
2-Methylnaphthalene	mg/L	<0.000014	0.000050	02/10/22 10:39	
Acenaphthene	mg/L	<0.000014	0.000050	02/10/22 10:39	
Acenaphthylene	mg/L	<0.000013	0.000050	02/10/22 10:39	
Anthracene	mg/L	<0.000018	0.000050	02/10/22 10:39	
Benzo(a)anthracene	mg/L	<0.000014	0.000050	02/10/22 10:39	
Benzo(a)pyrene	mg/L	<0.000020	0.000050	02/10/22 10:39	
Benzo(b)fluoranthene	mg/L	<0.000020	0.000050	02/10/22 10:39	
Benzo(g,h,i)perylene	mg/L	<0.000023	0.000050	02/10/22 10:39	
Benzo(k)fluoranthene	mg/L	<0.000022	0.000050	02/10/22 10:39	
Chrysene	mg/L	<0.000027	0.000050	02/10/22 10:39	
Dibenz(a,h)anthracene	mg/L	0.000019J	0.000050	02/10/22 10:39	
Fluoranthene	mg/L	<0.000026	0.000050	02/10/22 10:39	
Fluorene	mg/L	<0.000024	0.000050	02/10/22 10:39	
Indeno(1,2,3-cd)pyrene	mg/L	<0.000016	0.000050	02/10/22 10:39	
Naphthalene	mg/L	<0.000020	0.000050	02/10/22 10:39	
Phenanthrene	mg/L	<0.000026	0.000050	02/10/22 10:39	
Pyrene	mg/L	<0.000023	0.000050	02/10/22 10:39	
2-Fluorobiphenyl (S)	%	65	10-113	02/10/22 10:39	
Terphenyl-d14 (S)	%	77	28-124	02/10/22 10:39	

LABORATORY CONTROL SAMPLE & LCSD: 2351882 2351883

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	mg/L	0.002	0.0014	0.0015	71	73	59-120	3	20	
2-Methylnaphthalene	mg/L	0.002	0.0014	0.0014	69	71	58-120	3	20	
Acenaphthene	mg/L	0.002	0.0016	0.0017	80	84	71-120	6	20	
Acenaphthylene	mg/L	0.002	0.0015	0.0015	77	77	68-120	1	20	
Anthracene	mg/L	0.002	0.0017	0.0017	86	85	63-108	1	20	
Benzo(a)anthracene	mg/L	0.002	0.0015	0.0015	74	74	54-95	0	20	
Benzo(a)pyrene	mg/L	0.002	0.0017	0.0016	83	82	75-120	1	20	
Benzo(b)fluoranthene	mg/L	0.002	0.0014	0.0015	72	74	59-120	2	20	
Benzo(g,h,i)perylene	mg/L	0.002	0.0017	0.0017	85	87	78-120	2	20	
Benzo(k)fluoranthene	mg/L	0.002	0.0018	0.0018	89	88	78-120	1	20	
Chrysene	mg/L	0.002	0.0019	0.0020	95	98	82-128	2	20	
Dibenz(a,h)anthracene	mg/L	0.002	0.0017	0.0018	87	90	76-120	3	20	
Fluoranthene	mg/L	0.002	0.0017	0.0019	86	93	74-120	8	20	
Fluorene	mg/L	0.002	0.0016	0.0017	79	83	69-120	5	20	
Indeno(1,2,3-cd)pyrene	mg/L	0.002	0.0017	0.0017	86	85	74-120	1	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

LABORATORY CONTROL SAMPLE & LCSD: 2351882 2351883

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	mg/L	0.002	0.0015	0.0015	73	75	60-120	3	20	
Phenanthrene	mg/L	0.002	0.0014	0.0015	70	74	65-120	5	20	
Pyrene	mg/L	0.002	0.0016	0.0016	78	79	70-120	2	20	
2-Fluorobiphenyl (S)	%				75	76	10-113			
Terphenyl-d14 (S)	%				78	78	28-124			

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

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALIFIERS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

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.

BATCH QUALIFIERS

Batch: 408005

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

Pace Analytical Services, LLC
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Green Bay, WI 54302
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 S. MILWAUKEE
Pace Project No.: 40240306

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40240306001	**MW-601**	EPA 3510	407989	EPA 8270E by SIM	408005
40240306002	**MW-602**	EPA 3510	407989	EPA 8270E by SIM	408005

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

40240306

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CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	DAI Environmental
Branch/Location:	Lake Forest
Project Contact:	Chris Cailles
Phone:	847-573-8900
Project Number:	6255
Project Name:	S. Milwaukee
Project State:	Wisconsin
Sampled By (Print):	Marcus Greschner
Sampled By (Sign):	Marcus Greschner
PO #:	Regulatory Program:

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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PAH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-601	2/3/22	1:00	GW			X			
002	MW-602	2/4/22	2:00	GW			X			

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	2/7/22 9:55	Mike	2/7/22 9:55
Mike	2/7/22 5:00	CAS LOGISTICS	2/7/22 8:00
CAS Logistics	2/8/22 0745	Stuart Ulyate	2/8/22 0745

PACE Project No.: 40240306
Receipt Temp = 1 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present, Intact / Not Intact

Version 6.0 06/14/06
ORIGINAL

C019a(27Jun2006)

Sample Preservation Receipt Form

Client Name: DAI

Project # 40240306

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

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

Initial when completed:

Date/ Time:

Lab Lot# of pH paper:

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

	Glass								Plastic					Vials						Jars				General							
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001						2																										2.5 / 5 / 10
002																																2.5 / 5 / 10
003																																2.5 / 5 / 10
004																																2.5 / 5 / 10
005																																2.5 / 5 / 10
006																																2.5 / 5 / 10
007																																2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																											2/8/22					2.5 / 5 / 10
020																																2.5 / 5 / 10

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

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

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

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

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

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: DAI Env.

Project #:

WO# : 40240306

40240306

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

Tracking #: _____

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

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

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

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

Cooler Temperature Uncorr: 1 /Corr: 1

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: 2/8/22 /Initials: SKV

Labeled By Initials: AJW

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. Filter, Preserve, Pg #, Mail + INV. Info 2/8/22
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. No dates + times. Client used water soluable ink labels barely legible. 2/8/22 AJW
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

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