

June 8, 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***  
***(April 2022 Results)***  
***BRRTS #: 02-41-576336 & 02-41-579429***  
***FID #: 241828620***  
***Sunrise Shopping Center***  
***2410-2424 10<sup>th</sup> 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 April 2022 groundwater sampling are included in this quarterly report. Discussion of the observation, recovery, and apparent removal of free-product petroleum in MW-4 is also provided. 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 regard 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

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

May 31, 2022

DAI Project Number: 6255

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## 1.0 INTRODUCTION

Soil and groundwater Remedial Actions are being performed at the Sunrise Shopping Center facility, addressed as 2410-2424 10<sup>th</sup> 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  $\pm 0.01$  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°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 second quarter 2022 groundwater sampling event, including the four (4) recently installed monitoring wells. The static water level elevations were collected from all monitoring wells on April 1, 2022, and reference to the top of casing elevations based upon the complete resurvey performed on February 1, 2022. Table A.6 in Attachment A provides a historical summary of groundwater elevation information.

Review of Table A.6 shows that there is much variability in elevation between quarters. The highest quarterly variability is observed in monitoring wells MW-1 and MW-3, which are located in areas of the Site with known subsurface disturbance, while monitoring wells MW-5 and MW-201 generally fluctuate less between quarters. The recently installed monitoring wells also appear to indicate a lower variability, though less data are available.

Prior to installation of the 600-series monitoring wells, the consistently observed groundwater flow direction was northwesterly along the southern half of the Site and north-northeasterly along the northern half of the Site. However, with the addition of the 600-series monitoring wells and the exclusion of MW-1 and MW-3, which are influenced by large areas of backfill, a more east-northeasterly flow direction has been observed. The potentiometric surface map generated from the April 2022 data is included as Figure B.3.c.22 (see Attachment B). The previously submitted potentiometric surface maps with January 2022 (Figure B.3.c.20) and February 2022 (Figure B.3.c.21) data have been revised and provided in Attachment B.

### 3.2 Groundwater Analytical Results

Groundwater samples for the second quarter of 2022 (i.e., April-June 2022) were collected on April 11, 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 second 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 in 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. After observing a short period of increased concentrations between August 2021 and January 2022, the April 2022 concentration has decreased to 0.011-mg/L, consistent with the relatively stable concentrations observed through May 2021. 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 the previous semi-annual period (i.e., July-December 2021) through April 2022.

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, including the most recently collected April 2022 sample. 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). Following a period of general stability in concentration between July 2019 and May 2021 (excluding a concentration spike in October 2019), groundwater concentrations decreased in August 2021, then followed by increased concentrations each quarter through April 2022. The April 2022 concentrations are slightly higher, but generally consistent with the concentration observed in October 2019. Concentrations of Fluorene and Pyrene exceeded the PALs during the April 11, 2022, sampling event, for the first time since the April 2019 sampling event. With no active PAH source, the variability in groundwater concentrations is believed to be associated with the fluctuations in the groundwater table elevation through the contaminated fill material and possible negative impact on sampling results due to the damaged monitoring well casing.

As discussed in the previous quarterly report, results of the PAH the February 2022 sampling of MW-601 and MW-602 (east and west MW-3) indicated Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene at concentrations above the PAL, but below the Enforcement Standards. 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.

In contrast to the sampling results of MW-3, groundwater concentrations in MW-4 decreased to those last observed in July 2019. No detectable concentrations of Benzo(a)pyrene, Benzo(b)fluoranthene, or Chrysene were observed, and the Naphthalene concentration was below the PAL. It is suspected that the observation of a petroleum sheen in monitoring well MW-4 (installed to the rear of the 2414B tenant space in the approximate location of a former heating oil UST) contributed to recently identified higher contaminant concentrations, but manual recovery efforts have decreased the amount of residual petroleum in the subsurface, resulting in a decrease in overall PAH groundwater concentrations.

### **Free-Product Petroleum**

During the first quarter 2022 sampling event, a layer of floating free-product petroleum was identified in MW-4 with a measured thickness of 0.16-ft. Manual recovery efforts were promptly initiated to remove this source material. As a results of manual recovery efforts, the measured thickness has decreased from 0.16-ft to 0.01-ft. The total volume of oily water recovered through the April 11, 2022, sampling event is approximately 3.5-gallons. As noted above in the PAH groundwater sampling discussion, the manual recovery efforts appear to have already resulted in a decrease in groundwater impact. 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 15<sup>th</sup>, 23<sup>rd</sup>, 29<sup>th</sup>, 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. The concentrations recorded in August 2021, November 2021, and January 2022 were slightly elevated from previous measurements, but the April 2022 Perc concentration is consistent with the previously observed results. 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. All 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. The fluctuation of groundwater through this fill material is expected to be the primary cause of the recent increase in concentrations at MW-3. The April 2022 results from MW-3 are consistent with those observed in October 2019. The February 2022 sampling of monitoring wells MW-601 and MW-602 (east and west of MW-3) verify low-level PAH concentrations in the groundwater within the southern portion of the Site, but that the elevated PAH in concentrations are isolated to monitoring well MW-3.
- A free-product petroleum layer has recently been observed in MW-4 (which was installed near a former heating oil UST). The initial product measurement in MW-4 was 0.16-ft. With manual recovery efforts initiated, the product thickness measurements have decreased to 0.01-ft by the second quarter sampling event. The April 11, 2022, sampling results do not indicate any exceedances of PAHs for the first time since July 2019. A total of approximately 3.5-gallons of oily water have been recovered during the manual bailing.

**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	04/11/22	<u>0.011</u>	<0.00032
	01/24/22	<u>0.021</u>	<b>0.00067</b>
	11/11/21	<u>0.024</u>	0.00034 (J)
	08/31/21	<u>0.021</u>	<0.00032
	05/09/21	<u>0.012</u>	<0.00032
	01/18/21	<u>0.01</u>	<0.00026
	10/12/20	<u>0.014</u>	0.00047
	07/14/20	<u>0.01</u>	<0.00026
	05/05/20	<u>0.0088</u>	<0.00026
	01/17/20	<u>0.0084</u>	0.00038 (J)
	10/24/19	<u>0.012</u>	0.00039 (J)
	09/05/19	<u>0.0153</u>	0.00038 (J)
	07/07/19	<u>0.0106</u>	0.00048 (J)
	04/29/19	<u>0.0114</u>	<b>0.00071 (J)</b>
	01/25/19	<u>0.0065</u>	<b>0.0027</b>
	10/11/18	<u>0.021</u>	0.00027 (J)
	07/30/18	<u>0.0086</u>	<0.00026
	04/07/18	<u>0.0203</u>	<0.00033
	01/05/18	<u>0.0181</u>	<0.00033
	05/30/17	<u>0.0124</u>	<0.00033
02/23/16	<u>0.0083</u>	<0.00033	
01/27/15	<b>0.0026</b>	<0.00033	
11/12/14 (TW-2)	<b>0.0026</b>	<0.00033	
<b>PAL<sup>1</sup></b>		<b>0.0005</b>	<b>0.0005</b>
<b>Enforcement Standard<sup>2</sup></b>		<b>0.005</b>	<b>0.005</b>

<sup>1</sup> – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

<sup>2</sup> – 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	04/11/22	<u>0.026</u>	<u>0.061</u>	<u>0.056</u>	<0.00036
	01/24/22	<u>0.0095</u>	<u>0.017</u>	<u>0.013</u>	<0.00009
	11/11/21	<u>0.0008</u>	<u>0.0022</u>	<u>0.0015</u>	<0.000019
	08/31/21	<u>0.00021</u>	<u>0.0005</u>	<u>0.00036</u>	0.00005
	05/03/21	<u>0.0024</u>	<u>0.0054</u>	<u>0.005</u>	0.0001 (J)
	01/18/21	<u>0.0024</u>	<u>0.005</u>	<u>0.0028</u>	0.00013
	10/12/20	<u>0.0013</u>	<u>0.0027</u>	<u>0.0015</u>	0.0001
	07/14/20	<u>0.0012</u>	<u>0.0022</u>	<u>0.0014</u>	0.00003
	05/05/20	<u>0.0011</u>	<u>0.0023</u>	<u>0.0012</u>	<0.000018
	01/17/20	<u>0.0063</u>	<u>0.0104</u>	<u>0.0013</u>	0.0001
	10/24/19	<u>0.015</u>	<u>0.03</u>	<u>0.016</u>	0.00015
	07/07/19	<u>0.0019</u>	<u>0.0036</u>	<u>0.0026</u>	0.000019 (J)
	04/29/19	<u>0.115</u>	<u>0.209</u>	<u>0.13</u>	0.00035
	01/25/19	<u>0.00017</u>	<u>0.00034</u>	<u>0.00028</u>	0.000022 (J)
	10/11/18	<b>0.000024 (J)</b>	<b>0.000074</b>	<b>0.000079</b>	0.000032 (J)
	07/30/18	<u>0.00068</u>	<u>0.0013</u>	<u>0.00095</u>	0.000053 (J)
	04/07/18	<u>0.0019</u>	<u>0.0039</u>	<u>0.003</u>	0.000051
	01/05/18	<0.0000096	<b>0.000037</b>	<b>0.000047 (J)</b>	0.00046
	05/30/17	<u>0.001</u>	<u>0.002</u>	<u>0.0015</u>	0.00012
	01/27/15	0.000011 (J)	0.00002 (J)	<b>0.00005</b>	<0.000056
11/13/14 (TW-5)	<u>0.0006</u>	<u>0.00077</u>	<u>0.00084</u>	0.00016	
<b>PAL<sup>1</sup></b>		<b>0.00002</b>	<b>0.00002</b>	<b>0.00002</b>	<b>0.017</b>
<b>Enforcement Standard<sup>2</sup></b>		<b>0.0002</b>	<b>0.0002</b>	<b>0.0002</b>	<b>0.1</b>

<sup>1</sup> – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

<sup>2</sup> – 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, and April 11, 2022, sampling events



**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	04/11/22	<0.00039	<0.00039	<0.00053	0.0022
	01/24/22	<b>&lt;0.018</b>	<b>&lt;0.018</b>	<b>&lt;0.025</b>	<b>0.037</b>
	11/11/21	<b><u>0.0024 (J)</u></b>	<b><u>0.0035 (J)</u></b>	<b><u>0.016</u></b>	<b>0.089</b>
	08/31/21	<b>&lt;0.0017</b>	<b>&lt;0.0017</b>	<b>&lt;0.0024</b>	0.01
	05/03/21	<b><u>0.0003 (J)</u></b>	<b><u>0.00061</u></b>	<b><u>0.0022</u></b>	0.0091
	01/18/21	<b><u>0.00013 (J)</u></b>	<b><u>0.00029</u></b>	<b><u>0.00082</u></b>	0.0055
	10/12/20	<b><u>0.00029 (J)</u></b>	<b><u>0.00065</u></b>	<b><u>0.0015</u></b>	0.007
	07/14/20	<b><u>0.00046 (J)</u></b>	<b><u>0.00098</u></b>	<b><u>0.0038</u></b>	<b>0.025</b>
	05/05/20	<b><u>0.0012 (J)</u></b>	<b><u>0.0032</u></b>	<b><u>0.005</u></b>	<b>0.035</b>
	01/17/20	<b><u>0.0031</u></b>	<b><u>0.0056</u></b>	<b><u>0.0074</u></b>	0.0074
	10/24/19	<b><u>0.00045</u></b>	<b><u>0.00086</u></b>	<b><u>0.0016</u></b>	0.0026
	07/07/19	<0.000037	<0.00002	<0.000046	0.0034
	04/29/19	<b>0.000041 (J)</b>	<b>0.000093</b>	<b>0.00017</b>	0.0014
	01/25/19	<0.0000095	0.000012 (J)	<b>0.000033 (J)</b>	0.00078
	10/11/18	<b>&lt;0.000029</b>	<b>0.000022</b>	<b>0.000084 (J)</b>	0.00081
	07/30/18	<b>&lt;0.000048</b>	<b>&lt;0.000026</b>	<b>&lt;0.00006</b>	0.0015
	04/07/18	<0.0000095	0.0000096 (J)	<b>0.000031 (J)</b>	0.0022
	01/05/18	<b>&lt;0.0002</b>	<b><u>0.00022 (J)</u></b>	<b><u>0.001 (J)</u></b>	<b>0.0151</b>
	05/30/17	<b>&lt;0.00049</b>	<b>&lt;0.00027</b>	<b><u>0.0018 (J)</u></b>	<b>0.0243</b>
	02/23/16	0.000006	0.000014 (J)	0.000017 (J)	0.00047
01/27/15	0.000017 (J)	<b>0.000043 (J)</b>	<b>0.000042 (J)</b>	0.00027	
11/13/14 (TW-6)	0.000053 (J)	0.000093 (J)	<b>0.000021 (J)</b>	0.0022	
<b>PAL<sup>1</sup></b>		<b>0.00002</b>	<b>0.00002</b>	<b>0.00002</b>	<b>0.017</b>
<b>Enforcement Standard<sup>2</sup></b>		<b>0.0002</b>	<b>0.0002</b>	<b>0.0002</b>	<b>0.1</b>

<sup>1</sup> – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

<sup>2</sup> – 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; Fluorene and Pyrene indicated exceedances 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 <sup>1</sup>	ES <sup>2</sup>
	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	<b>0.00015</b>	<b>0.000035 (J)</b>	0.00002	0.0002
Benzo(b)fluoranthene	<b>0.00016</b>	<b>0.000057</b>	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	<b>0.00035</b>	<b>0.000073</b>	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

<sup>1</sup> – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

<sup>2</sup> – 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	04/01/22	<b>0.0041</b>
	03/03/22	<b>0.01</b>
	02/01/22	<b>0.01</b>
	01/18/22	<b>0.013</b>
	12/06/21	<b>0.013</b>
	11/05/21	<b>0.014</b>
	10/04/21	<b>0.016</b>
	09/10/21	<b>0.015</b>
	08/06/21	<b>0.016</b>
	07/02/21	<b>0.014</b>
	06/14/21	<b>0.013</b>
	05/03/21	<b>0.016</b>
	04/06/21	<b>0.012</b>
	03/08/21	<b>0.01</b>
	02/02/21	<b>0.014</b>
	01/12/21	<b>0.005</b>
	12/09/20	<b>0.0048</b>
	11/12/20	<b>0.0068</b>
	10/12/20	<b>0.009</b>
	09/03/20	<b>0.0065</b>
	08/17/20	<b>0.01</b>
	07/14/20	<b>0.0078</b>
	06/03/20	<b>0.0068</b>
	05/05/20	<b>0.0054</b>
	04/06/20	<b>0.005</b>
	03/10/20	<b>0.0063</b>
	02/03/20	<b>0.006</b>
	01/07/20	<b>0.0065</b>
	12/03/19	<b>0.0068</b>
	11/04/19	<b>0.008</b>
10/02/19	<b>0.0069</b>	
09/05/19	<b>0.0076</b>	
08/02/19	<b>0.005</b>	
07/19/19	<b>0.0062</b>	
06/25/19	<b>0.0054</b>	
06/06/19	<b>0.0069</b>	
05/29/19	<b>0.0043</b>	
05/23/19	<b>0.0042</b>	
05/15/19	<b>0.0093</b>	
02/04/19	<b>0.0064</b>	
01/05/18	<b>0.0082</b>	
06/04/17	<b>0.006</b>	
<b>PAL<sup>1</sup></b>		<b>0.0005</b>
<b>Enforcement Standard<sup>2</sup></b>		<b>0.005</b>

<sup>1</sup> – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

<sup>2</sup> – 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**

<b>Monitoring Well</b>	<b>Top of Casing Elevation*</b>	<b>Date</b>	<b>Measured Depth to Groundwater (ft)</b>	<b>Relative Groundwater Elevation (ft)</b>
MW-1	98.08 (2022 survey)	04/11/22	1.18	96.90
		02/03/22	5.52	92.56
		01/24/22	4.22	93.83
	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	99.32 (2022 survey)	04/11/22	6.57	92.75
		02/03/22	9.32	90.00
		01/24/22	8.20	91.12
	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
		10/24/19	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**

<b>Monitoring Well</b>	<b>Top of Casing Elevation*</b>	<b>Date</b>	<b>Measured Depth to Groundwater (ft)</b>	<b>Relative Groundwater Elevation (ft)</b>
MW-3	98.97 (2022 survey)	04/11/22	1.85	91.12
		02/03/22	5.20	93.77
		01/24/22	4.90	94.07
	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
		10/24/19	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	99.75 (2022 survey)	04/11/22	5.20	94.55
		02/03/22	8.86	90.89
		01/24/22	7.75	92.00
	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	99.36 (2022 survey)	04/11/22	5.96	93.40
		02/03/22	7.42	91.94
		01/24/22	7.13	92.23
	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	99.43 (2022 survey)	04/11/22	6.48	92.96
		02/03/22	8.67	90.76
		01/24/22	8.48	90.95
	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	97.72 (2022 survey)	04/11/22	Inaccessible	--
		02/03/22	9.60	88.12
		01/24/22	8.80	88.92

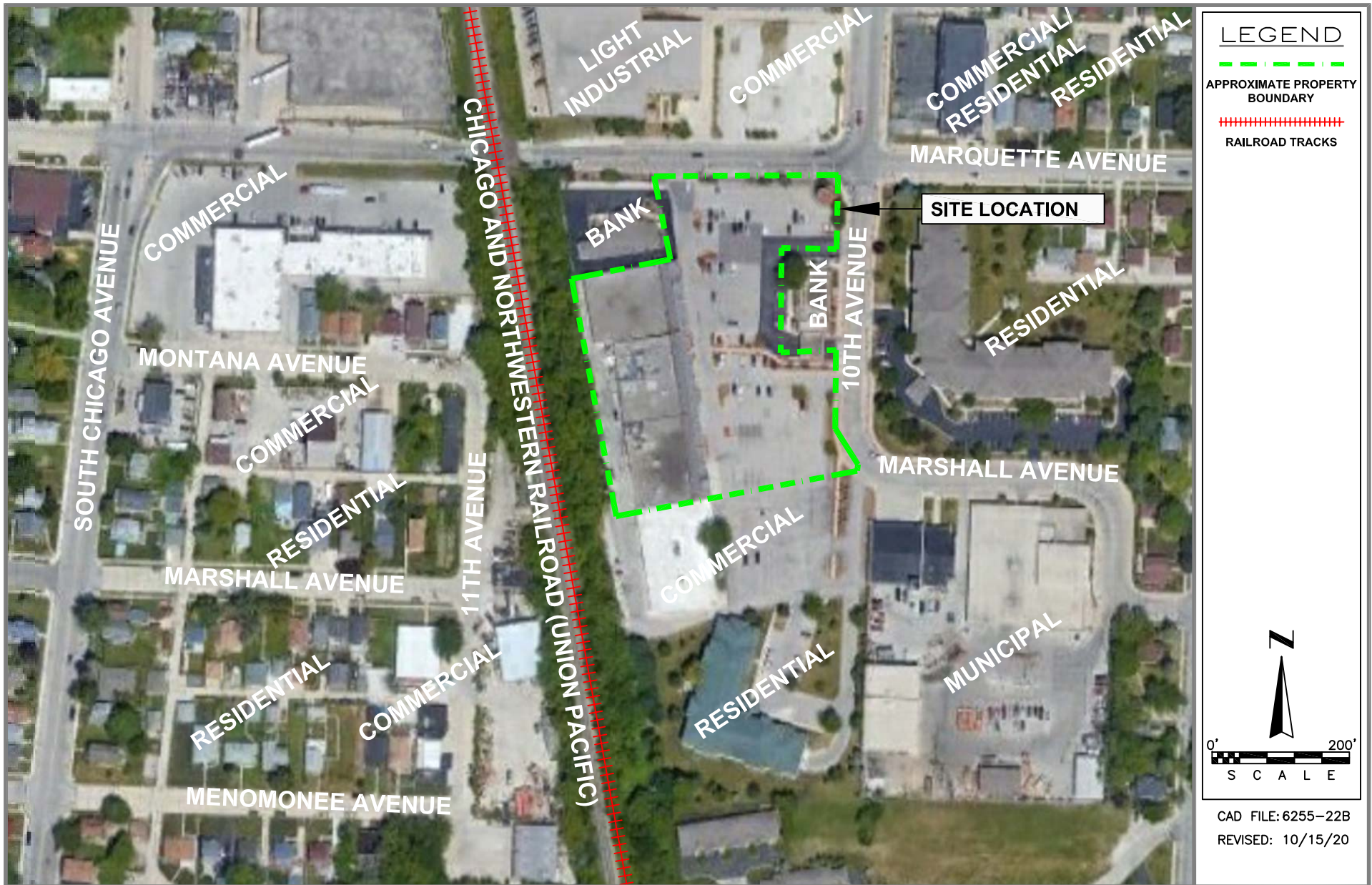
**Table A.6. Water Level Elevations**

<b>Monitoring Well</b>	<b>Top of Casing Elevation*</b>	<b>Date</b>	<b>Measured Depth to Groundwater (ft)</b>	<b>Relative Groundwater Elevation (ft)</b>
MW-601	98.11 (2022 survey)	04/11/22	9.27	88.84
		02/03/22	10.41	87.70
		01/24/22	10.12	87.99
MW-602	99.18 (2022 survey)	04/11/22	8.36	90.82
		02/03/22	10.30	88.88
		01/24/22	10.21	88.97
MW-603	99.52 (2022 survey)	04/11/22	5.14	94.38
		02/03/22	6.54	92.98
		01/24/22	6.42	93.10

\* – 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**

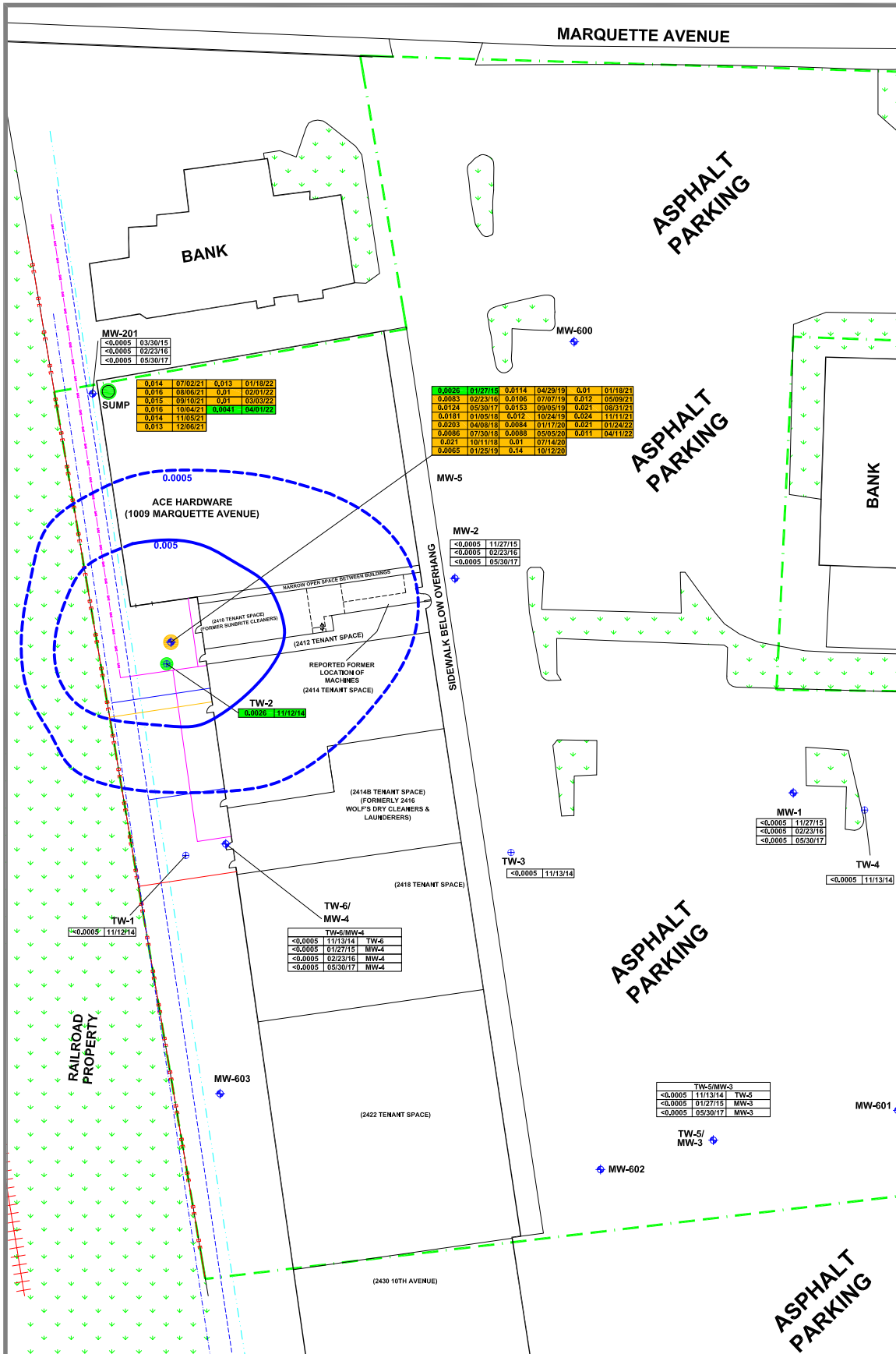




**DAI**  
ENVIRONMENTAL

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

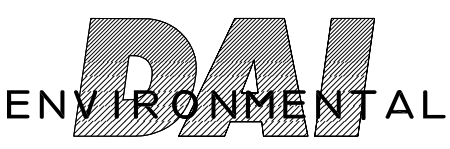
PERC CONC. mg/L	SAMPLE DATE
0.0005	11/27/15
0.0005	02/23/16
0.0005	05/30/17

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

0' 65'

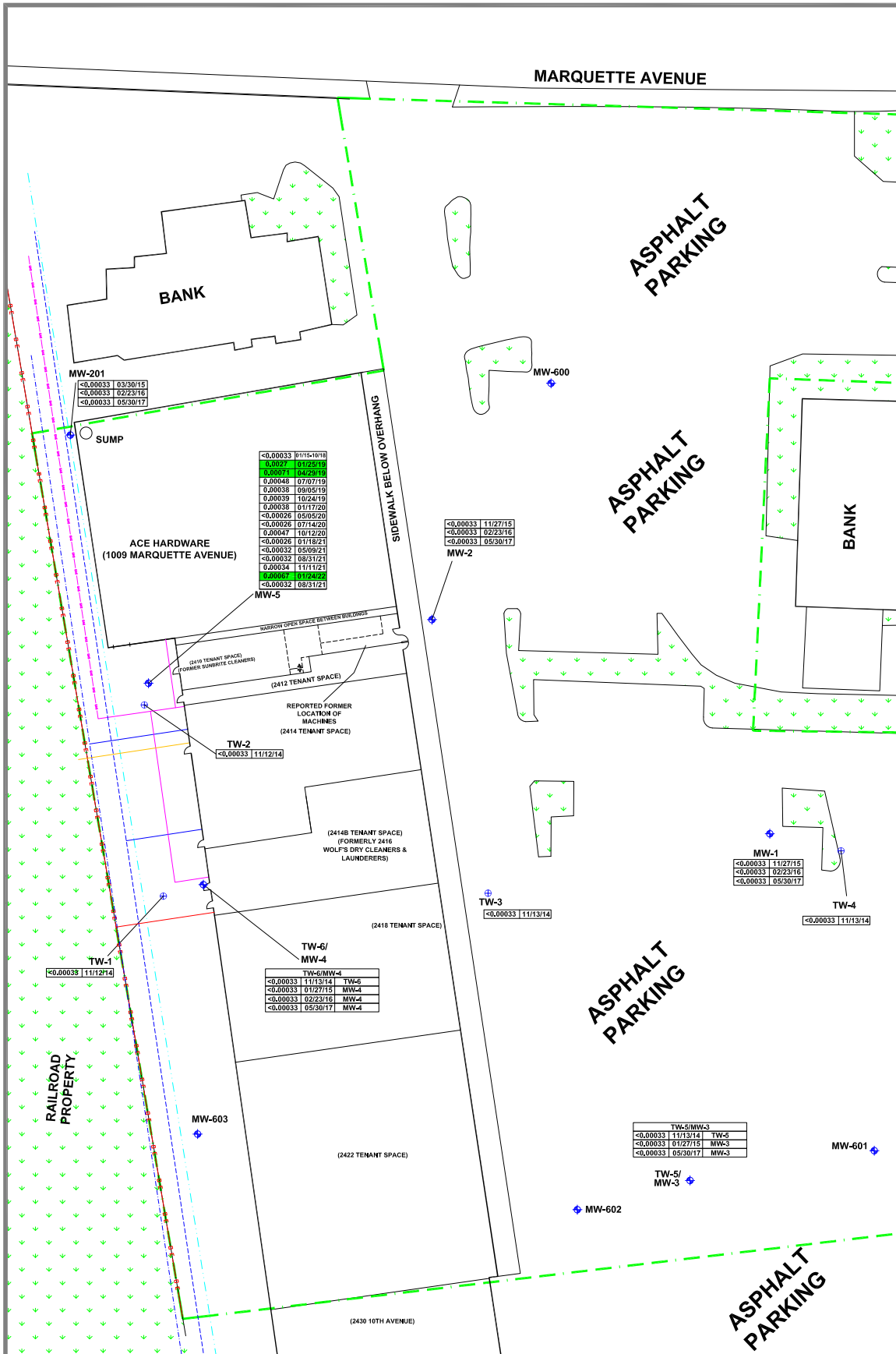
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REVISED: 05/06/22



**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
<0.00033	03/30/15
<0.00033	02/23/16
<0.00033	05/30/17

TCE CONC. mg/L	SAMPLE DATE
<0.00033	01/15/10/10
<0.0027	01/25/15
0.00071	04/25/14
0.00048	07/07/19
0.00038	09/05/19
0.00039	10/24/19
0.00038	01/17/20
<0.00026	05/05/20
<0.00026	07/14/20
0.00047	10/12/20
<0.00026	01/18/21
<0.00032	05/09/21
<0.00032	09/31/21
0.00034	11/11/21
0.00049	01/24/22
<0.00032	02/31/22

TW-6/MW-4	TW-6
<0.00033	11/13/14
<0.00033	01/27/15
<0.00033	02/23/16
<0.00033	05/30/17

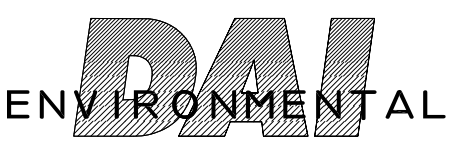
TW-5/MW-3	TW-4	MW-3
<0.00033	11/13/14	<0.00033
<0.00033	01/27/15	<0.00033
<0.00033	05/30/17	<0.00033

TW-5/MW-3	MW-3
<0.00033	11/13/14
<0.00033	01/27/15
<0.00033	05/30/17

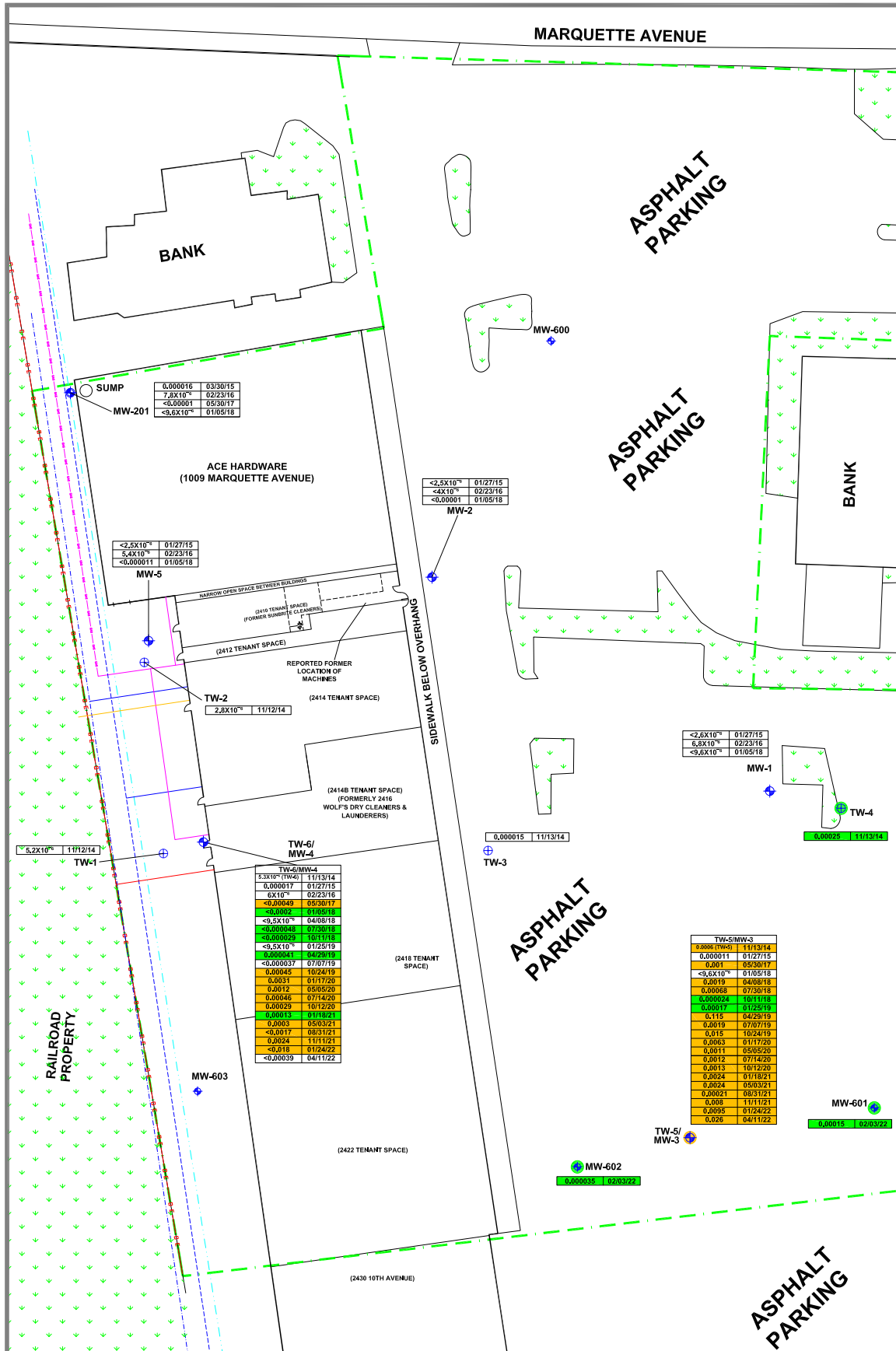
  

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REVISED: 05/06/22



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

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



### 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
<2.5X10 <sup>-6</sup>	01/27/15
4X10 <sup>-6</sup>	02/23/16
<0.00001	01/05/18

PAH CONC. mg/L	SAMPLE DATE
0.000016	03/30/15
7.8X10 <sup>-6</sup>	02/23/16
<0.00001	05/30/17
<9.6X10 <sup>-6</sup>	01/05/18

PAH CONC. mg/L	SAMPLE DATE
<2.5X10 <sup>-6</sup>	01/27/15
5.4X10 <sup>-6</sup>	02/23/16
<0.00001	01/05/18

PAH CONC. mg/L	SAMPLE DATE
<2.5X10 <sup>-6</sup>	01/27/15
6.8X10 <sup>-6</sup>	02/23/16
<9.6X10 <sup>-6</sup>	01/05/18

PAH CONC. mg/L	SAMPLE DATE
0.000015	11/13/14

PAH CONC. mg/L	SAMPLE DATE
5.2X10 <sup>-6</sup>	11/12/14

PAH CONC. mg/L	SAMPLE DATE
0.000025	11/13/14

PAH CONC. mg/L	SAMPLE DATE
0.00013	01/18/21
0.0003	05/03/21
<0.017	08/31/21
0.0024	11/11/21
<0.018	01/24/22
<0.00039	04/11/22

PAH CONC. mg/L	SAMPLE DATE
0.000011	01/27/15
0.001	05/30/17
<9.6X10 <sup>-6</sup>	01/05/18
0.0019	04/08/18
0.00068	07/30/18
0.000624	10/11/18
0.00017	01/23/19
0.115	04/29/19
0.0019	07/07/19
0.015	10/24/19
0.0093	01/17/20
0.0011	05/05/20
0.0012	07/14/20
0.0013	10/12/20
0.0024	01/18/21
0.0024	05/03/21
0.0021	08/31/21
0.008	11/11/21
0.0095	01/24/22
0.026	04/11/22

PAH CONC. mg/L	SAMPLE DATE
0.00015	11/13/14

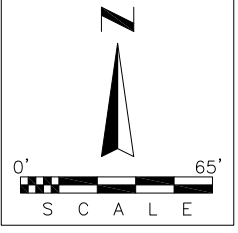
PAH CONC. mg/L	SAMPLE DATE
0.00015	11/13/14

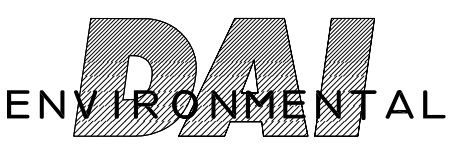
PAH CONC. mg/L	SAMPLE DATE
0.00015	11/13/14

PAH CONC. mg/L	SAMPLE DATE
0.00015	11/13/14

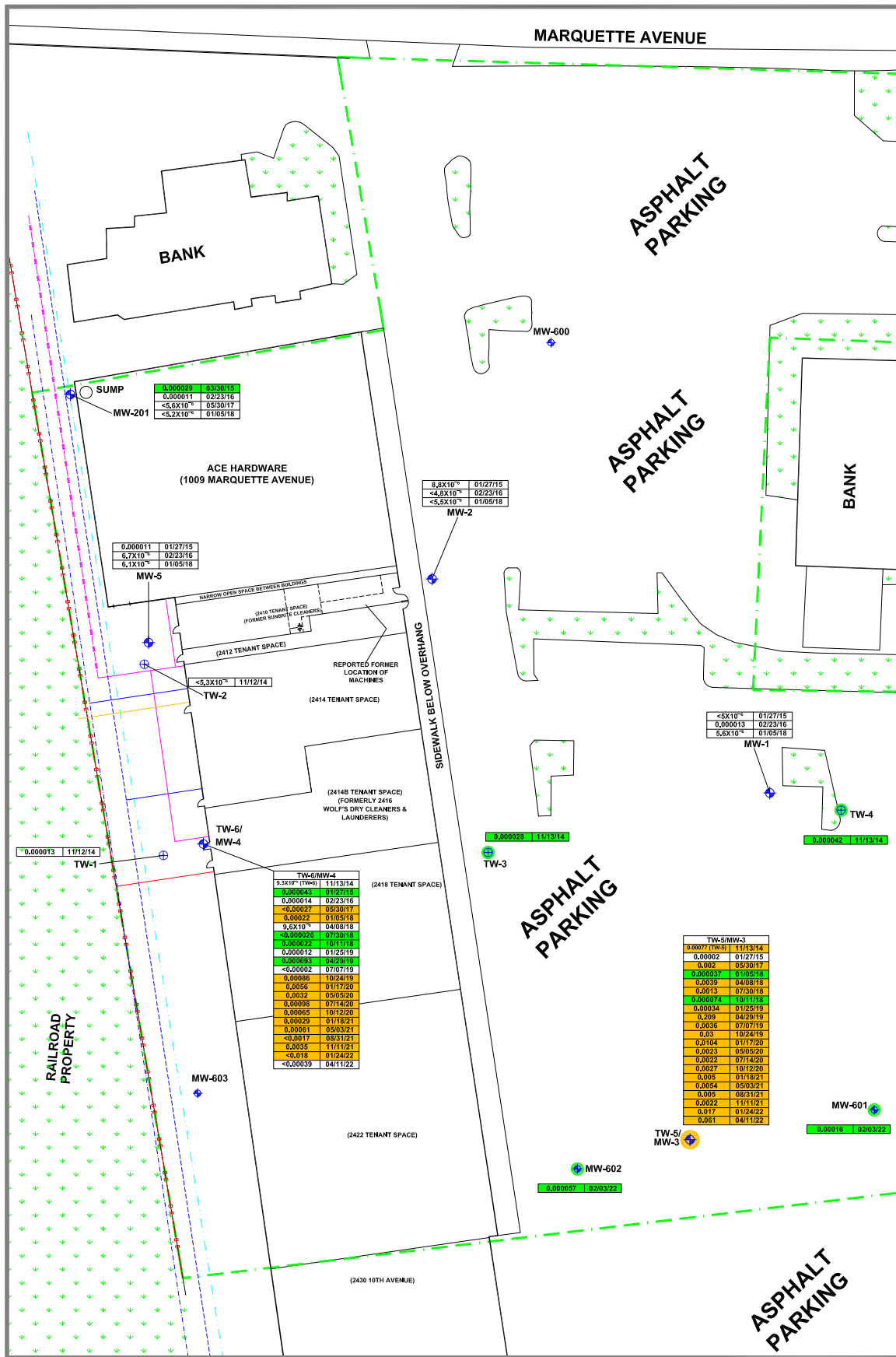


CAD FILE: 6255-215  
REVISED: 02/15/22



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

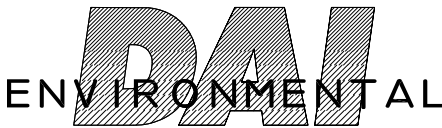
**FIGURE B.3.b.2a**  
**GROUNDWATER**  
**ISOCONCENTRATION**  
**(BENZO(A)PYRENE)**



### LEGEND

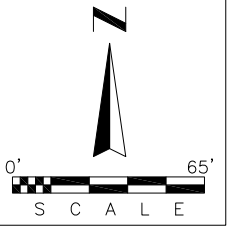
- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED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

PAH CONC. mg/L	SAMPLE DATE
0.000013	11/12/14
0.000011	02/23/16
0.000011	05/30/17
0.000011	01/05/18
0.000011	01/27/15
6.7X10 <sup>-6</sup>	02/23/16
6.1X10 <sup>-6</sup>	01/05/18
8.8X10 <sup>-6</sup>	01/27/15
4.8X10 <sup>-6</sup>	02/23/16
5.5X10 <sup>-6</sup>	01/05/18
5.3X10 <sup>-6</sup>	11/12/14
5.3X10 <sup>-6</sup>	11/13/14
0.000013	11/12/14
0.000013	02/23/16
5.6X10 <sup>-6</sup>	01/05/18
5.6X10 <sup>-6</sup>	01/27/15
5.6X10 <sup>-6</sup>	02/23/16
5.6X10 <sup>-6</sup>	01/05/18
0.000028	11/12/14
0.000042	11/13/14
0.000013	11/13/14
0.00002	01/27/15
0.002	05/30/17
0.00037	01/05/18
0.0039	04/05/18
0.0013	07/30/18
0.000074	10/11/18
0.00034	01/25/19
0.209	04/29/19
0.0036	07/07/19
0.03	10/24/19
0.0104	01/17/20
0.0023	05/05/20
0.0022	07/14/20
0.0027	10/12/20
0.005	01/10/21
0.0054	05/03/21
0.005	08/31/21
0.0022	11/11/21
0.017	01/24/22
0.061	04/11/22
0.000057	02/03/22
0.000016	02/03/22

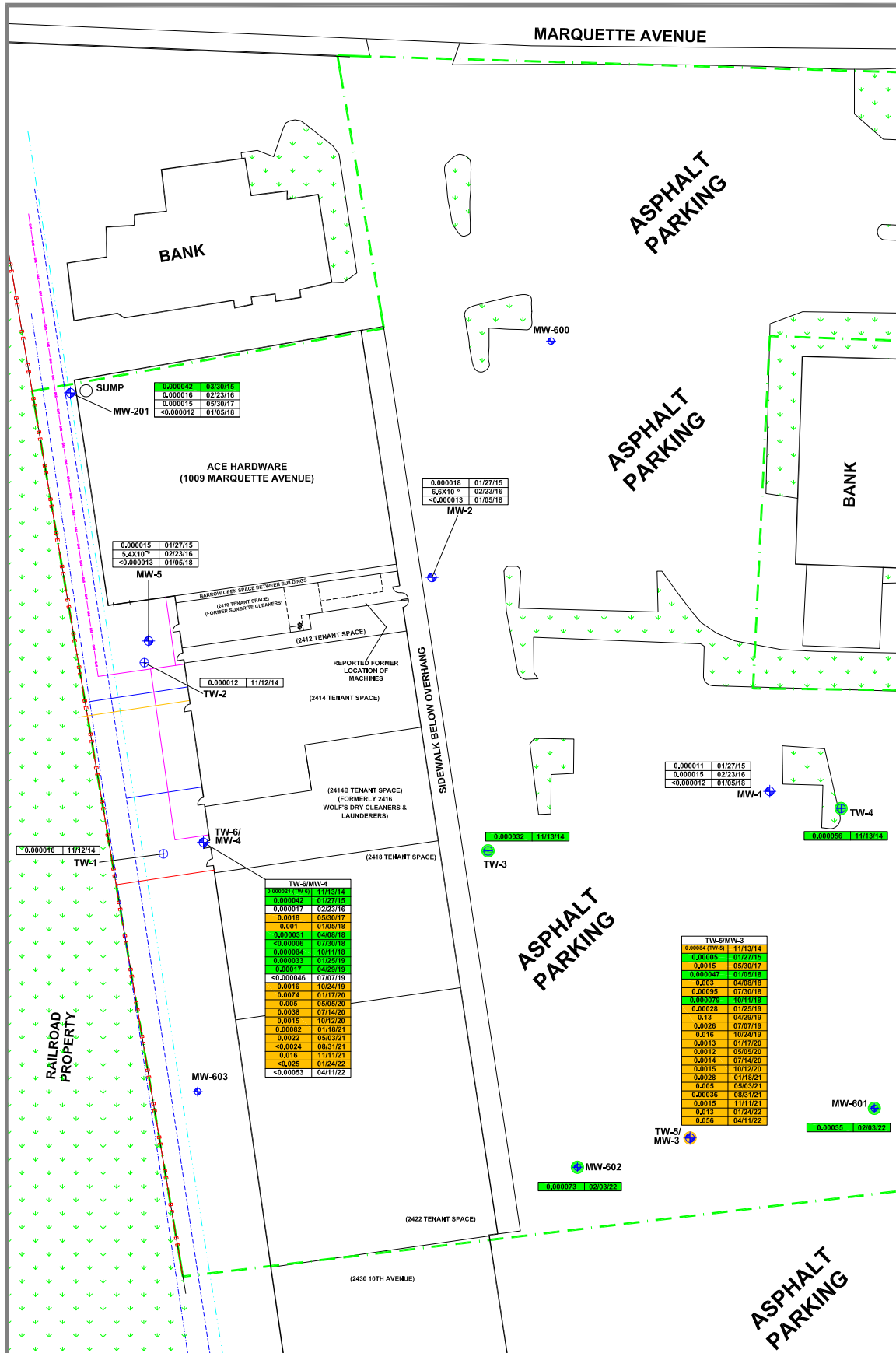


**SUNRISE SHOPPING CENTER**  
 2410-2424 10TH AVENUE  
 1009 MARQUETTE AVENUE  
 SOUTH MILWAUKEE, WISCONSIN

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



CAD FILE: 6255-216A  
 REVISED: 05/06/22



### 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

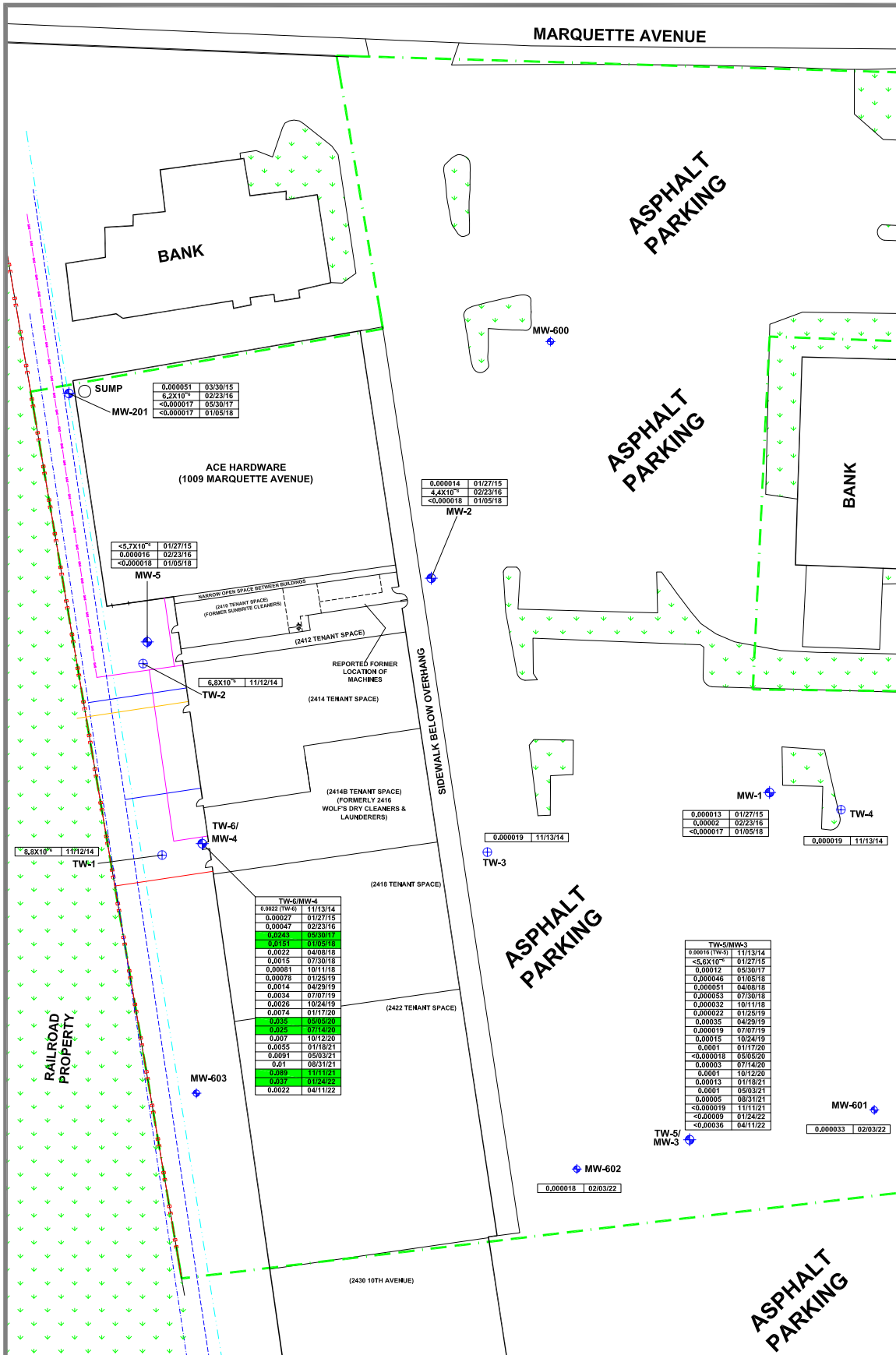
PAH CONC. mg/L	SAMPLE DATE
0.000011	01/27/15
0.000015	02/23/16
<0.000012	01/05/18

CAD FILE: 6255-217A  
REVISED: 05/06/22

**DAI**  
ENVIRONMENTAL

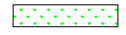
**SUNRISE SHOPPING CENTER**  
2410-2424 10TH AVENUE  
1009 MARQUETTE AVENUE  
SOUTH MILWAUKEE, WISCONSIN

**FIGURE B.3.b.2c**  
**GROUNDWATER**  
**ISOCONCENTRATION**  
**(CHRYSENES)**



### 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")

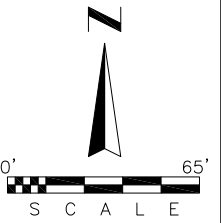
OVERHEAD ELECTRIC UTILITY LINE

MONITORING WELL LOCATION

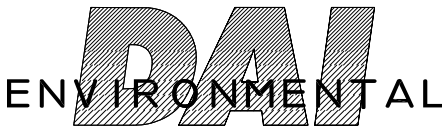
SOIL BORING WITH TEMPORARY WELL LOCATION

OBSERVED EXCEEDANCE OF PAL

PAH CONC. mg/L	SAMPLE DATE
----------------	-------------

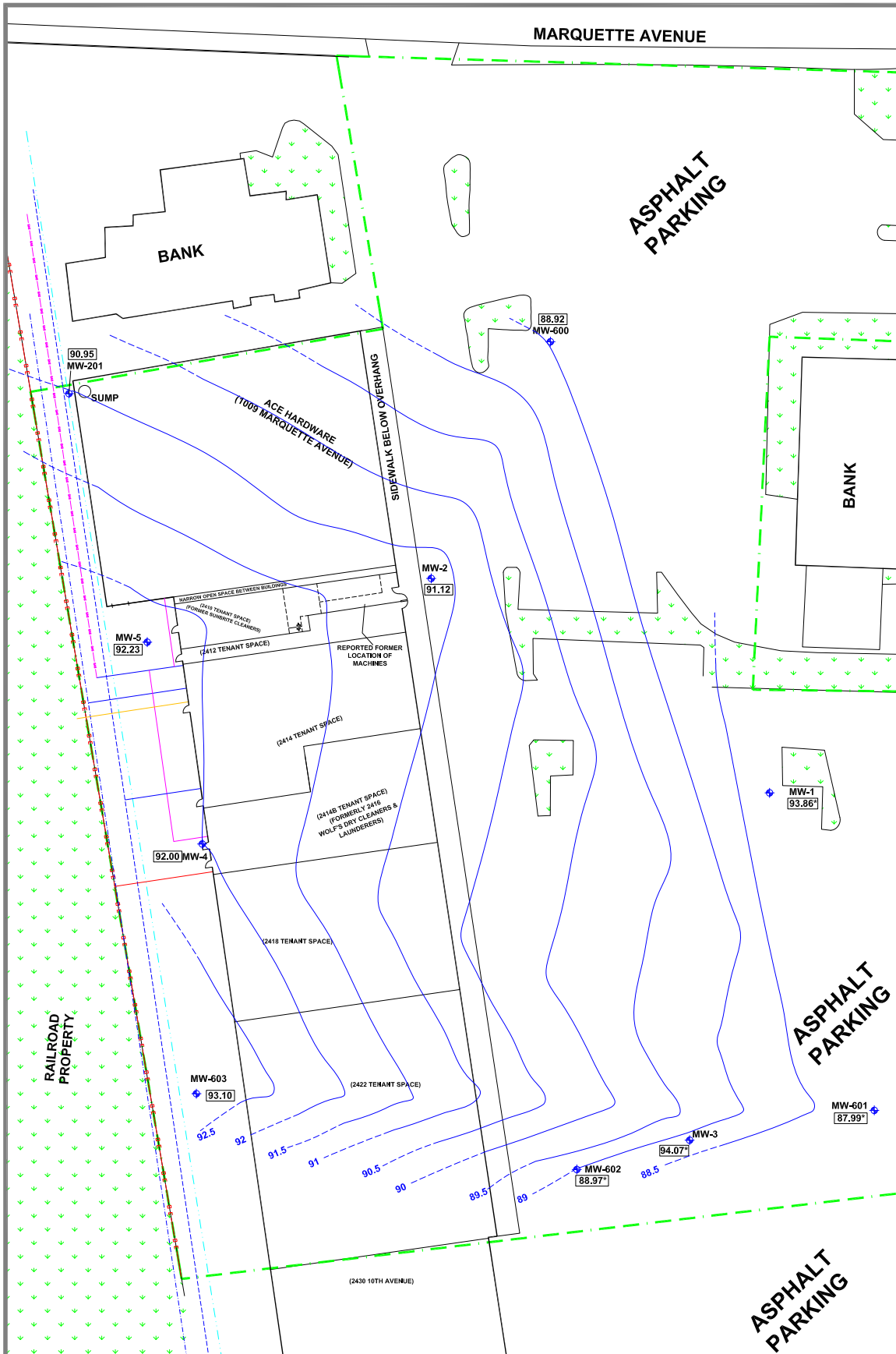


CAD FILE: 6255-218A  
REVISED: 05/06/22



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

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



### 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
- GROUNDWATER ELEVATION
- NOT USED IN INTERPOLATION
- POTENTIOMETRIC SURFACE
- INFERRED POTENTIOMETRIC SURFACE

SCALE

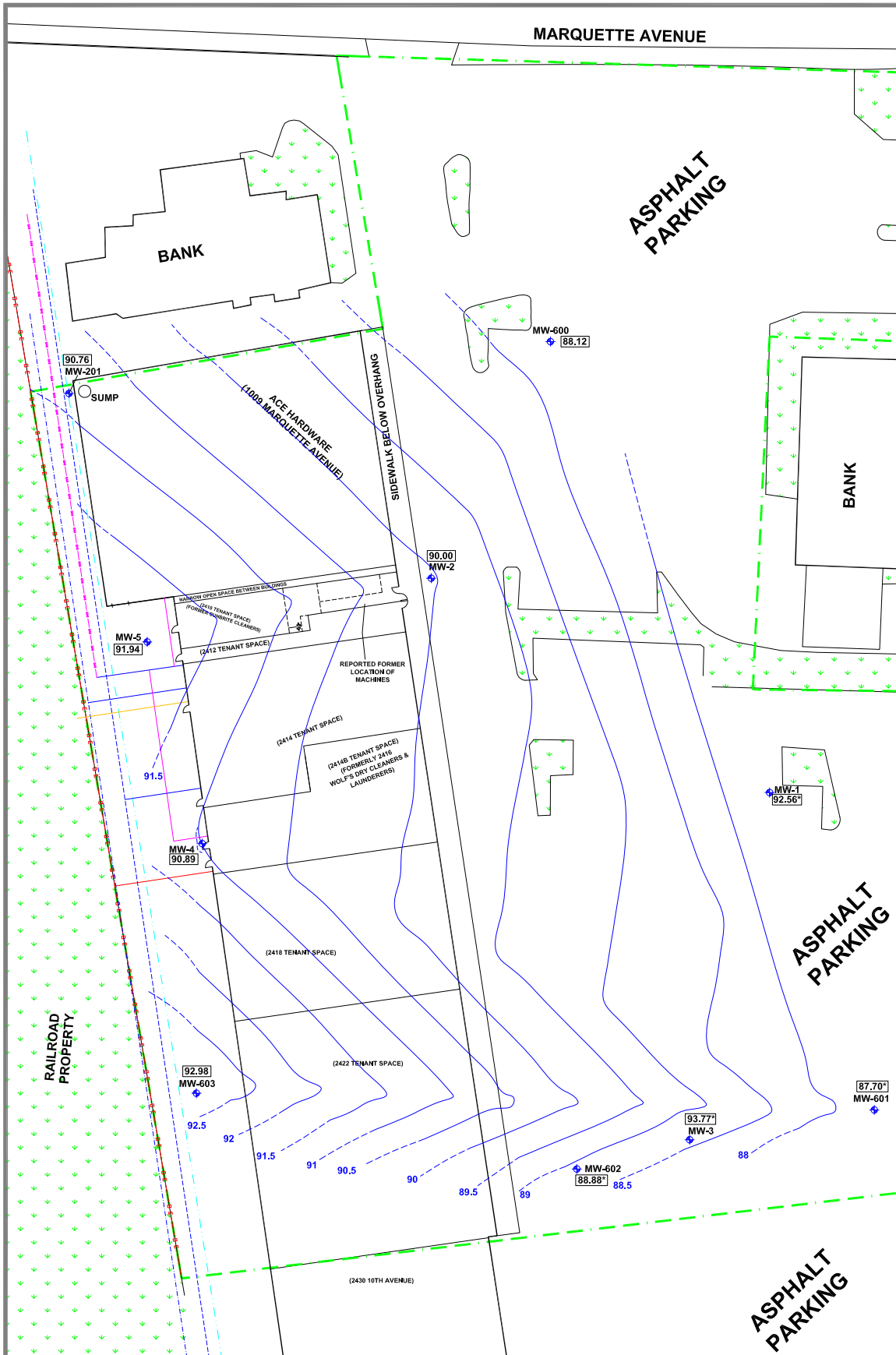
CAD FILE: 6255-213A  
 REVISED: 05/27/22

**DAI**  
 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)





**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
- GROUNDWATER ELEVATION
- NOT USED IN INTERPOLATION
- POTENTIOMETRIC SURFACE
- INFERRED POTENTIOMETRIC SURFACE

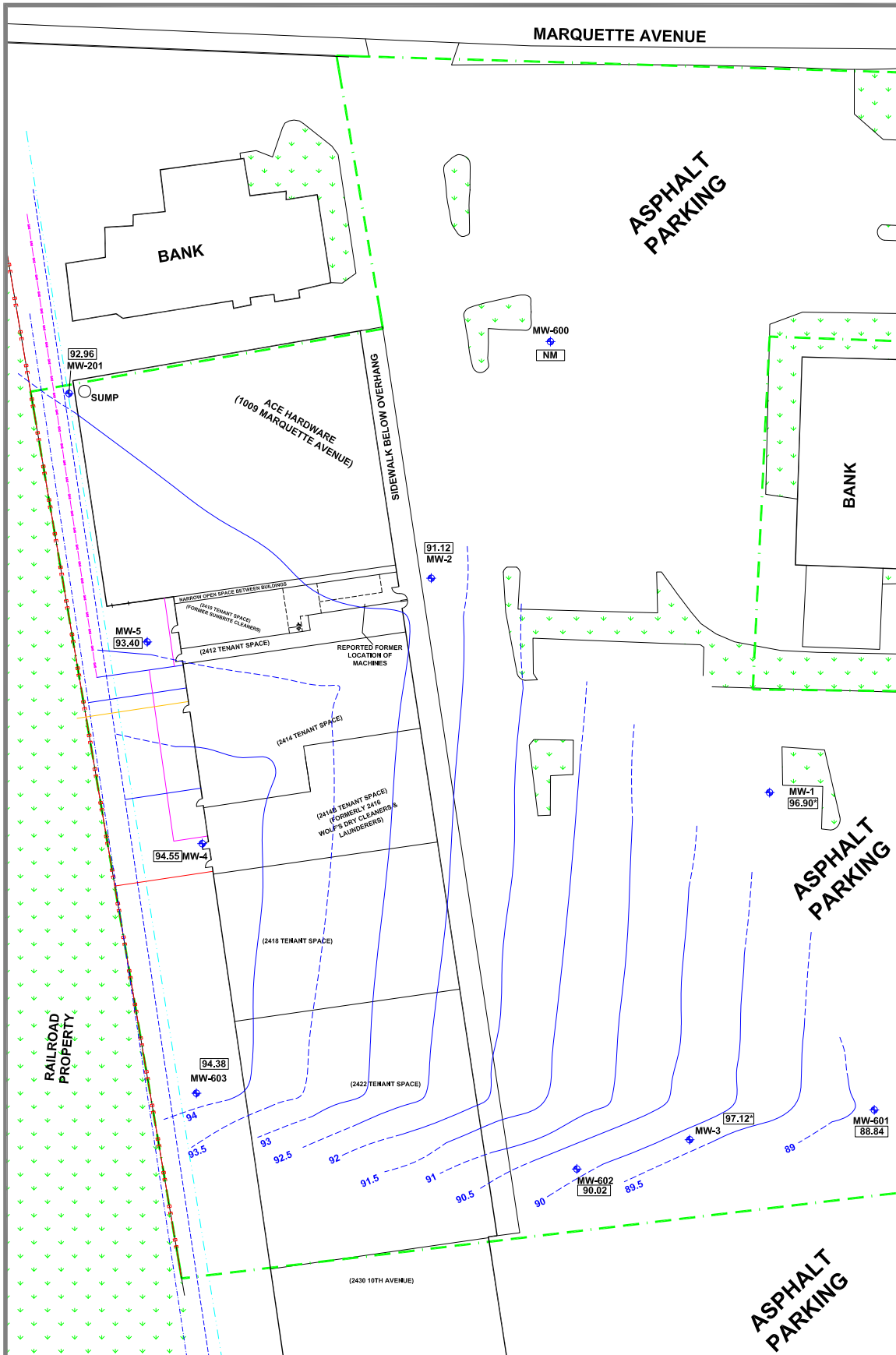
S C A L E

CAD FILE: 6255-220A  
 REVISED: 05/27/22

**DAI**  
 ENVIRONMENTAL

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

**FIGURE B.3.c.21**  
**GROUNDWATER FLOW DIRECTION**  
 (FEBRUARY 3, 2022)



### 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
- GROUNDWATER ELEVATION
- NOT USED IN INTERPOLATION
- NO MEASUREMENT COLLECTED; WELL INACCESSIBLE
- POTENTIOMETRIC SURFACE
- INFERRED POTENTIOMETRIC SURFACE

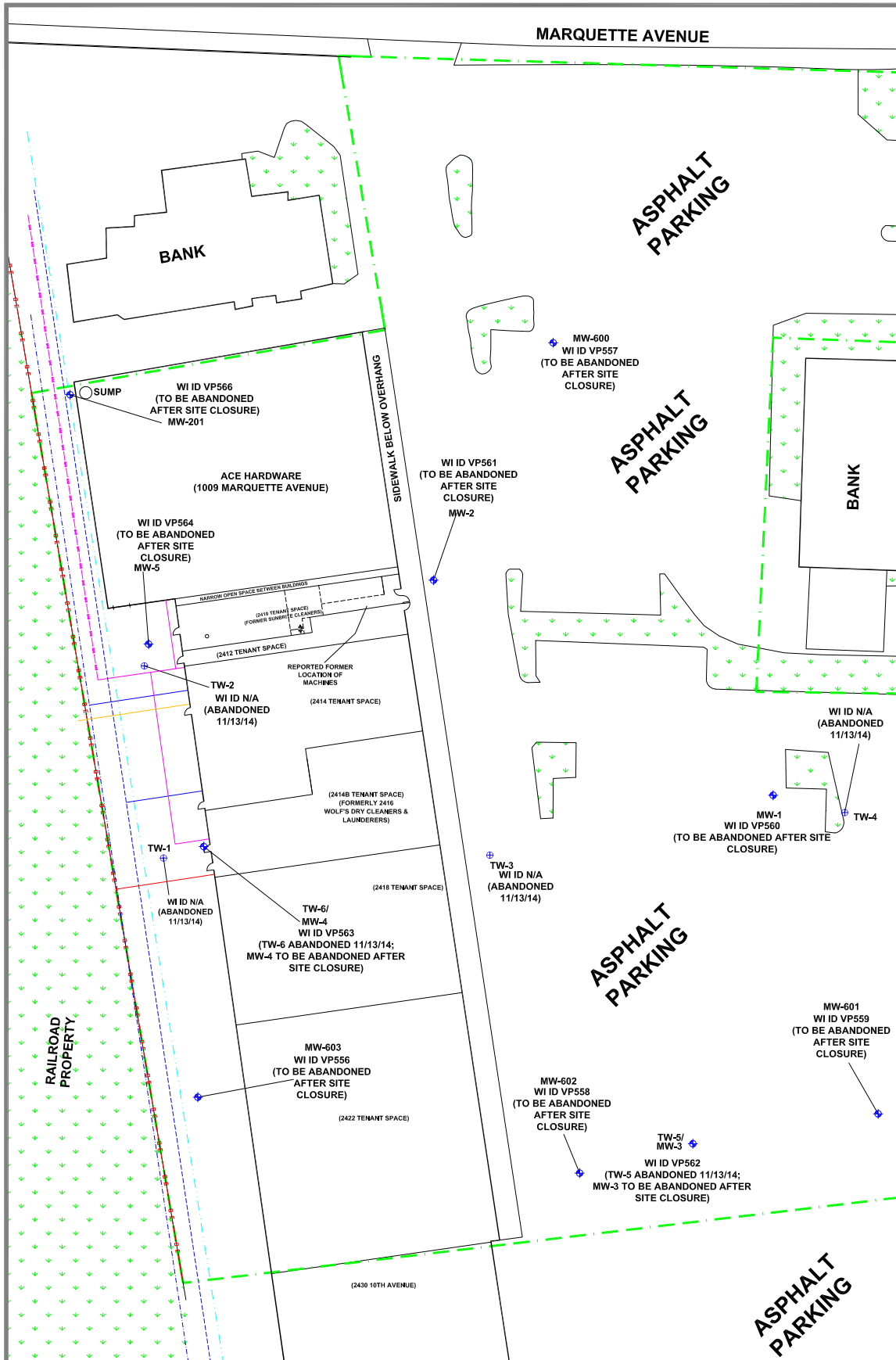
SCALE

CAD FILE: 6255-221  
 REVISED: 05/27/22

**DAI**  
 ENVIRONMENTAL

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

FIGURE B.3.c.22  
 GROUNDWATER FLOW DIRECTION  
 (APRIL 11, 2022)



### LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS 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

0' 65'

S C A L E

CAD FILE: 6255-211  
REVISED: 02/15/22



**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**  
**(SECOND QUARTER 2022)**

April 15, 2022

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

RE: Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

Dear Chris Cailles:

Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 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



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 6255 SOUTH MILWAUKEE

Pace Project No.: 40243321

---

### **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

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## SAMPLE SUMMARY

Project: 6255 SOUTH MILWAUKEE

Pace Project No.: 40243321

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40243321001	MW-5	Water	04/11/22 11:45	04/13/22 07:50
40243321002	MW-3	Water	04/11/22 10:30	04/13/22 07:50
40243321003	MW-4	Water	04/11/22 14:00	04/13/22 07:50

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40243321001	MW-5	EPA 8260	LAP	38
40243321002	MW-3	EPA 8270E by SIM	RJN	18
40243321003	MW-4	EPA 8270E by SIM	RJN	18

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40243321001</b>	<b>MW-5</b>					
EPA 8260	Tetrachloroethene	0.011	mg/L	0.0010	04/15/22 00:12	
<b>40243321002</b>	<b>MW-3</b>					
EPA 8270E by SIM	Acenaphthene	0.00079J	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Acenaphthylene	0.0011	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Anthracene	0.0048	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Benzo(a)anthracene	0.0055	mg/L	0.00091	04/14/22 09:24	L2
EPA 8270E by SIM	Benzo(a)pyrene	0.026	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.061	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.034	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.028	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Chrysene	0.056	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Dibenz(a,h)anthracene	0.0041	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Fluoranthene	0.10	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Fluorene	0.0016	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.026	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Phenanthrene	0.054	mg/L	0.00091	04/14/22 09:24	
EPA 8270E by SIM	Pyrene	0.072	mg/L	0.00091	04/14/22 09:24	
<b>40243321003</b>	<b>MW-4</b>					
EPA 8270E by SIM	Acenaphthene	0.0051	mg/L	0.0010	04/14/22 09:43	
EPA 8270E by SIM	Acenaphthylene	0.0013	mg/L	0.0010	04/14/22 09:43	
EPA 8270E by SIM	Anthracene	0.0020	mg/L	0.0010	04/14/22 09:43	
EPA 8270E by SIM	Fluoranthene	0.0015	mg/L	0.0010	04/14/22 09:43	
EPA 8270E by SIM	Fluorene	0.0074	mg/L	0.0010	04/14/22 09:43	
EPA 8270E by SIM	Naphthalene	0.0022	mg/L	0.0010	04/14/22 09:43	B,D3
EPA 8270E by SIM	Phenanthrene	0.0088	mg/L	0.0010	04/14/22 09:43	
EPA 8270E by SIM	Pyrene	0.0033	mg/L	0.0010	04/14/22 09:43	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 6255 SOUTH MILWAUKEE

Pace Project No.: 40243321

**Sample: MW-5**      **Lab ID: 40243321001**      Collected: 04/11/22 11:45      Received: 04/13/22 07:50      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Acetone	<0.0086	mg/L	0.025	0.0086	1		04/15/22 00:12	67-64-1	
Benzene	<0.00030	mg/L	0.0010	0.00030	1		04/15/22 00:12	71-43-2	
Bromodichloromethane	<0.00042	mg/L	0.0010	0.00042	1		04/15/22 00:12	75-27-4	
Bromoform	<0.0038	mg/L	0.0050	0.0038	1		04/15/22 00:12	75-25-2	
Bromomethane	<0.0012	mg/L	0.0050	0.0012	1		04/15/22 00:12	74-83-9	
2-Butanone (MEK)	<0.0065	mg/L	0.025	0.0065	1		04/15/22 00:12	78-93-3	
Carbon disulfide	<0.0011	mg/L	0.0050	0.0011	1		04/15/22 00:12	75-15-0	
Carbon tetrachloride	<0.00037	mg/L	0.0010	0.00037	1		04/15/22 00:12	56-23-5	
Chlorobenzene	<0.00086	mg/L	0.0010	0.00086	1		04/15/22 00:12	108-90-7	
Chloroethane	<0.0014	mg/L	0.0050	0.0014	1		04/15/22 00:12	75-00-3	
Chloroform	<0.0012	mg/L	0.0050	0.0012	1		04/15/22 00:12	67-66-3	
Chloromethane	<0.0016	mg/L	0.0050	0.0016	1		04/15/22 00:12	74-87-3	
Dibromochloromethane	<0.0026	mg/L	0.0050	0.0026	1		04/15/22 00:12	124-48-1	
1,1-Dichloroethane	<0.00030	mg/L	0.0010	0.00030	1		04/15/22 00:12	75-34-3	
1,2-Dichloroethane	<0.00029	mg/L	0.0010	0.00029	1		04/15/22 00:12	107-06-2	
1,1-Dichloroethene	<0.00058	mg/L	0.0010	0.00058	1		04/15/22 00:12	75-35-4	
cis-1,2-Dichloroethene	<0.00047	mg/L	0.0010	0.00047	1		04/15/22 00:12	156-59-2	
trans-1,2-Dichloroethene	<0.00053	mg/L	0.0010	0.00053	1		04/15/22 00:12	156-60-5	
1,2-Dichloropropane	<0.00045	mg/L	0.0010	0.00045	1		04/15/22 00:12	78-87-5	
cis-1,3-Dichloropropene	<0.00036	mg/L	0.0010	0.00036	1		04/15/22 00:12	10061-01-5	
trans-1,3-Dichloropropene	<0.0035	mg/L	0.0050	0.0035	1		04/15/22 00:12	10061-02-6	
Ethylbenzene	<0.00033	mg/L	0.0010	0.00033	1		04/15/22 00:12	100-41-4	
2-Hexanone	<0.0063	mg/L	0.025	0.0063	1		04/15/22 00:12	591-78-6	
Methylene Chloride	<0.00032	mg/L	0.0050	0.00032	1		04/15/22 00:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.0060	mg/L	0.025	0.0060	1		04/15/22 00:12	108-10-1	
Methyl-tert-butyl ether	<0.0011	mg/L	0.0050	0.0011	1		04/15/22 00:12	1634-04-4	
Styrene	<0.00036	mg/L	0.0010	0.00036	1		04/15/22 00:12	100-42-5	
1,1,2,2-Tetrachloroethane	<0.00038	mg/L	0.0010	0.00038	1		04/15/22 00:12	79-34-5	
Tetrachloroethene	0.011	mg/L	0.0010	0.00041	1		04/15/22 00:12	127-18-4	
Toluene	<0.00029	mg/L	0.0010	0.00029	1		04/15/22 00:12	108-88-3	
1,1,1-Trichloroethane	<0.00030	mg/L	0.0010	0.00030	1		04/15/22 00:12	71-55-6	
1,1,2-Trichloroethane	<0.00034	mg/L	0.0050	0.00034	1		04/15/22 00:12	79-00-5	
Trichloroethene	<0.00032	mg/L	0.0010	0.00032	1		04/15/22 00:12	79-01-6	
Vinyl chloride	<0.00017	mg/L	0.0010	0.00017	1		04/15/22 00:12	75-01-4	
Xylene (Total)	<0.0010	mg/L	0.0030	0.0010	1		04/15/22 00:12	1330-20-7	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/15/22 00:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		04/15/22 00:12	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		04/15/22 00:12	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 6255 SOUTH MILWAUKEE

Pace Project No.: 40243321

**Sample: MW-3**      **Lab ID: 40243321002**      Collected: 04/11/22 10:30      Received: 04/13/22 07:50      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>0.00079J</b>	mg/L	0.00091	0.00025	20	04/13/22 13:59	04/14/22 09:24	83-32-9	
Acenaphthylene	<b>0.0011</b>	mg/L	0.00091	0.00023	20	04/13/22 13:59	04/14/22 09:24	208-96-8	
Anthracene	<b>0.0048</b>	mg/L	0.00091	0.00034	20	04/13/22 13:59	04/14/22 09:24	120-12-7	
Benzo(a)anthracene	<b>0.0055</b>	mg/L	0.00091	0.00025	20	04/13/22 13:59	04/14/22 09:24	56-55-3	L2
Benzo(a)pyrene	<b>0.026</b>	mg/L	0.00091	0.00036	20	04/13/22 13:59	04/14/22 09:24	50-32-8	
Benzo(b)fluoranthene	<b>0.061</b>	mg/L	0.00091	0.00036	20	04/13/22 13:59	04/14/22 09:24	205-99-2	
Benzo(g,h,i)perylene	<b>0.034</b>	mg/L	0.00091	0.00043	20	04/13/22 13:59	04/14/22 09:24	191-24-2	
Benzo(k)fluoranthene	<b>0.028</b>	mg/L	0.00091	0.00041	20	04/13/22 13:59	04/14/22 09:24	207-08-9	
Chrysene	<b>0.056</b>	mg/L	0.00091	0.00049	20	04/13/22 13:59	04/14/22 09:24	218-01-9	
Dibenz(a,h)anthracene	<b>0.0041</b>	mg/L	0.00091	0.00033	20	04/13/22 13:59	04/14/22 09:24	53-70-3	
Fluoranthene	<b>0.10</b>	mg/L	0.00091	0.00048	20	04/13/22 13:59	04/14/22 09:24	206-44-0	
Fluorene	<b>0.0016</b>	mg/L	0.00091	0.00043	20	04/13/22 13:59	04/14/22 09:24	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>0.026</b>	mg/L	0.00091	0.00028	20	04/13/22 13:59	04/14/22 09:24	193-39-5	
Naphthalene	<b>&lt;0.00036</b>	mg/L	0.00091	0.00036	20	04/13/22 13:59	04/14/22 09:24	91-20-3	
Phenanthrene	<b>0.054</b>	mg/L	0.00091	0.00047	20	04/13/22 13:59	04/14/22 09:24	85-01-8	
Pyrene	<b>0.072</b>	mg/L	0.00091	0.00041	20	04/13/22 13:59	04/14/22 09:24	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	26	%	44-120		20	04/13/22 13:59	04/14/22 09:24	321-60-8	S4
Terphenyl-d14 (S)	27	%	49-120		20	04/13/22 13:59	04/14/22 09:24	1718-51-0	S4

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### ANALYTICAL RESULTS

Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

**Sample: MW-4**      **Lab ID: 40243321003**      Collected: 04/11/22 14:00      Received: 04/13/22 07:50      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270E MSSV PAH</b>									
Analytical Method: EPA 8270E by SIM    Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<b>0.0051</b>	mg/L	0.0010	0.00028	20	04/13/22 13:59	04/14/22 09:43	83-32-9	
Acenaphthylene	<b>0.0013</b>	mg/L	0.0010	0.00025	20	04/13/22 13:59	04/14/22 09:43	208-96-8	
Anthracene	<b>0.0020</b>	mg/L	0.0010	0.00037	20	04/13/22 13:59	04/14/22 09:43	120-12-7	
Benzo(a)anthracene	<b>&lt;0.00027</b>	mg/L	0.0010	0.00027	20	04/13/22 13:59	04/14/22 09:43	56-55-3	L2
Benzo(a)pyrene	<b>&lt;0.00039</b>	mg/L	0.0010	0.00039	20	04/13/22 13:59	04/14/22 09:43	50-32-8	
Benzo(b)fluoranthene	<b>&lt;0.00039</b>	mg/L	0.0010	0.00039	20	04/13/22 13:59	04/14/22 09:43	205-99-2	
Benzo(g,h,i)perylene	<b>&lt;0.00047</b>	mg/L	0.0010	0.00047	20	04/13/22 13:59	04/14/22 09:43	191-24-2	
Benzo(k)fluoranthene	<b>&lt;0.00045</b>	mg/L	0.0010	0.00045	20	04/13/22 13:59	04/14/22 09:43	207-08-9	
Chrysene	<b>&lt;0.00053</b>	mg/L	0.0010	0.00053	20	04/13/22 13:59	04/14/22 09:43	218-01-9	
Dibenz(a,h)anthracene	<b>&lt;0.00036</b>	mg/L	0.0010	0.00036	20	04/13/22 13:59	04/14/22 09:43	53-70-3	
Fluoranthene	<b>0.0015</b>	mg/L	0.0010	0.00052	20	04/13/22 13:59	04/14/22 09:43	206-44-0	
Fluorene	<b>0.0074</b>	mg/L	0.0010	0.00047	20	04/13/22 13:59	04/14/22 09:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>&lt;0.00031</b>	mg/L	0.0010	0.00031	20	04/13/22 13:59	04/14/22 09:43	193-39-5	
Naphthalene	<b>0.0022</b>	mg/L	0.0010	0.00040	20	04/13/22 13:59	04/14/22 09:43	91-20-3	B,D3
Phenanthrene	<b>0.0088</b>	mg/L	0.0010	0.00051	20	04/13/22 13:59	04/14/22 09:43	85-01-8	
Pyrene	<b>0.0033</b>	mg/L	0.0010	0.00045	20	04/13/22 13:59	04/14/22 09:43	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	41	%	44-120		20	04/13/22 13:59	04/14/22 09:43	321-60-8	S4
Terphenyl-d14 (S)	34	%	49-120		20	04/13/22 13:59	04/14/22 09:43	1718-51-0	S4

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### QUALITY CONTROL DATA

Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

QC Batch: 413118      Analysis Method: EPA 8260  
QC Batch Method: EPA 8260      Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243321001

METHOD BLANK: 2378635      Matrix: Water

Associated Lab Samples: 40243321001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	mg/L	<0.00030	0.0010	0.00030	04/14/22 16:58	
1,1,2,2-Tetrachloroethane	mg/L	<0.00038	0.0010	0.00038	04/14/22 16:58	
1,1,2-Trichloroethane	mg/L	<0.00034	0.0050	0.00034	04/14/22 16:58	
1,1-Dichloroethane	mg/L	<0.00030	0.0010	0.00030	04/14/22 16:58	
1,1-Dichloroethene	mg/L	<0.00058	0.0010	0.00058	04/14/22 16:58	
1,2-Dichloroethane	mg/L	<0.00029	0.0010	0.00029	04/14/22 16:58	
1,2-Dichloropropane	mg/L	<0.00045	0.0010	0.00045	04/14/22 16:58	
2-Butanone (MEK)	mg/L	<0.0065	0.025	0.0065	04/14/22 16:58	
2-Hexanone	mg/L	<0.0063	0.025	0.0063	04/14/22 16:58	
4-Methyl-2-pentanone (MIBK)	mg/L	<0.0060	0.025	0.0060	04/14/22 16:58	
Acetone	mg/L	<0.0086	0.025	0.0086	04/14/22 16:58	
Benzene	mg/L	<0.00030	0.0010	0.00030	04/14/22 16:58	
Bromodichloromethane	mg/L	<0.00042	0.0010	0.00042	04/14/22 16:58	
Bromoform	mg/L	<0.0038	0.0050	0.0038	04/14/22 16:58	
Bromomethane	mg/L	<0.0012	0.0050	0.0012	04/14/22 16:58	
Carbon disulfide	mg/L	<0.0011	0.0050	0.0011	04/14/22 16:58	
Carbon tetrachloride	mg/L	<0.00037	0.0010	0.00037	04/14/22 16:58	
Chlorobenzene	mg/L	<0.00086	0.0010	0.00086	04/14/22 16:58	
Chloroethane	mg/L	<0.0014	0.0050	0.0014	04/14/22 16:58	
Chloroform	mg/L	<0.0012	0.0050	0.0012	04/14/22 16:58	
Chloromethane	mg/L	<0.0016	0.0050	0.0016	04/14/22 16:58	
cis-1,2-Dichloroethene	mg/L	<0.00047	0.0010	0.00047	04/14/22 16:58	
cis-1,3-Dichloropropene	mg/L	<0.00036	0.0010	0.00036	04/14/22 16:58	
Dibromochloromethane	mg/L	<0.0026	0.0050	0.0026	04/14/22 16:58	
Ethylbenzene	mg/L	<0.00033	0.0010	0.00033	04/14/22 16:58	
Methyl-tert-butyl ether	mg/L	<0.0011	0.0050	0.0011	04/14/22 16:58	
Methylene Chloride	mg/L	<0.00032	0.0050	0.00032	04/14/22 16:58	
Styrene	mg/L	<0.00036	0.0010	0.00036	04/14/22 16:58	
Tetrachloroethene	mg/L	<0.00041	0.0010	0.00041	04/14/22 16:58	
Toluene	mg/L	<0.00029	0.0010	0.00029	04/14/22 16:58	
trans-1,2-Dichloroethene	mg/L	<0.00053	0.0010	0.00053	04/14/22 16:58	
trans-1,3-Dichloropropene	mg/L	<0.0035	0.0050	0.0035	04/14/22 16:58	
Trichloroethene	mg/L	<0.00032	0.0010	0.00032	04/14/22 16:58	
Vinyl chloride	mg/L	<0.00017	0.0010	0.00017	04/14/22 16:58	
Xylene (Total)	mg/L	<0.0010	0.0030	0.0010	04/14/22 16:58	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130		04/14/22 16:58	
4-Bromofluorobenzene (S)	%	95	70-130		04/14/22 16:58	
Toluene-d8 (S)	%	98	70-130		04/14/22 16:58	

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### QUALITY CONTROL DATA

Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

LABORATORY CONTROL SAMPLE: 2378636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	0.05	0.055	109	70-130	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.050	99	66-130	
1,1,2-Trichloroethane	mg/L	0.05	0.056	112	70-130	
1,1-Dichloroethane	mg/L	0.05	0.058	116	68-132	
1,1-Dichloroethene	mg/L	0.05	0.052	105	85-126	
1,2-Dichloroethane	mg/L	0.05	0.052	104	70-130	
1,2-Dichloropropane	mg/L	0.05	0.058	116	78-125	
Benzene	mg/L	0.05	0.054	107	70-132	
Bromodichloromethane	mg/L	0.05	0.055	111	70-130	
Bromoform	mg/L	0.05	0.055	111	65-130	
Bromomethane	mg/L	0.05	0.030	61	44-128	
Carbon disulfide	mg/L	0.05	0.047	94	60-140	
Carbon tetrachloride	mg/L	0.05	0.058	116	70-130	
Chlorobenzene	mg/L	0.05	0.056	112	70-130	
Chloroethane	mg/L	0.05	0.046	92	73-137	
Chloroform	mg/L	0.05	0.056	112	80-122	
Chloromethane	mg/L	0.05	0.025	50	27-148	
cis-1,2-Dichloroethene	mg/L	0.05	0.051	102	70-130	
cis-1,3-Dichloropropene	mg/L	0.05	0.049	98	70-130	
Dibromochloromethane	mg/L	0.05	0.054	108	70-130	
Ethylbenzene	mg/L	0.05	0.057	114	80-123	
Methyl-tert-butyl ether	mg/L	0.05	0.048	95	66-130	
Methylene Chloride	mg/L	0.05	0.053	105	70-130	
Styrene	mg/L	0.05	0.059	118	70-130	
Tetrachloroethene	mg/L	0.05	0.055	109	70-130	
Toluene	mg/L	0.05	0.053	105	80-121	
trans-1,2-Dichloroethene	mg/L	0.05	0.053	107	70-130	
trans-1,3-Dichloropropene	mg/L	0.05	0.046	93	58-125	
Trichloroethene	mg/L	0.05	0.053	107	70-130	
Vinyl chloride	mg/L	0.05	0.041	83	63-142	
Xylene (Total)	mg/L	0.15	0.17	112	70-130	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2379597 2379598

Parameter	Units	40243336002		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result						
1,1,1-Trichloroethane	mg/L	<0.30 ug/L	0.05	0.05	0.052	0.052	103	105	70-130	2	20		
1,1,2,2-Tetrachloroethane	mg/L	<0.38 ug/L	0.05	0.05	0.052	0.052	104	105	66-130	1	20		
1,1,2-Trichloroethane	mg/L	<0.34 ug/L	0.05	0.05	0.051	0.051	103	102	70-130	1	20		
1,1-Dichloroethane	mg/L	0.40J ug/L	0.05	0.05	0.054	0.054	108	107	68-132	0	20		
1,1-Dichloroethene	mg/L	<0.58 ug/L	0.05	0.05	0.048	0.048	97	95	76-132	2	20		
1,2-Dichloroethane	mg/L	<0.29 ug/L	0.05	0.05	0.048	0.050	97	101	70-130	4	20		

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### QUALITY CONTROL DATA

Project: 6255 SOUTH MILWAUKEE

Pace Project No.: 40243321

Parameter	Units	40243336002		2379597		2379598		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
1,2-Dichloropropane	mg/L	<0.45 ug/L	0.05	0.05	0.053	0.056	106	111	77-125	5	20			
Benzene	mg/L	<0.30 ug/L	0.05	0.05	0.052	0.054	105	108	70-132	3	20			
Bromodichloromethane	mg/L	<0.42 ug/L	0.05	0.05	0.053	0.054	106	107	70-130	1	20			
Bromoform	mg/L	<3.8 ug/L	0.05	0.05	0.049	0.050	99	100	65-130	1	20			
Bromomethane	mg/L	<1.2 ug/L	0.05	0.05	0.034	0.036	68	72	44-128	6	21			
Carbon disulfide	mg/L	<1.1 ug/L	0.05	0.05	0.042	0.043	83	86	60-140	3	20			
Carbon tetrachloride	mg/L	<0.37 ug/L	0.05	0.05	0.054	0.055	108	111	70-132	3	20			
Chlorobenzene	mg/L	<0.86 ug/L	0.05	0.05	0.054	0.053	108	107	70-130	1	20			
Chloroethane	mg/L	<1.4 ug/L	0.05	0.05	0.044	0.046	89	92	70-137	4	20			
Chloroform	mg/L	<1.2 ug/L	0.05	0.05	0.054	0.054	107	108	80-122	1	20			
Chloromethane	mg/L	<1.6 ug/L	0.05	0.05	0.028	0.027	55	53	17-149	4	20			
cis-1,2-Dichloroethene	mg/L	0.62J ug/L	0.05	0.05	0.049	0.051	97	100	70-130	3	20			
cis-1,3-Dichloropropene	mg/L	<0.36 ug/L	0.05	0.05	0.045	0.045	91	91	70-130	0	20			
Dibromochloromethane	mg/L	<2.6 ug/L	0.05	0.05	0.049	0.050	98	99	70-130	1	20			
Ethylbenzene	mg/L	<0.33 ug/L	0.05	0.05	0.051	0.050	102	99	80-123	2	20			
Methyl-tert-butyl ether	mg/L	<1.1 ug/L	0.05	0.05	0.046	0.046	92	92	66-130	0	20			
Methylene Chloride	mg/L	<0.32 ug/L	0.05	0.05	0.054	0.054	108	109	70-130	1	20			
Styrene	mg/L	<0.36 ug/L	0.05	0.05	0.025	0.023	50	46	70-130	9	20 M1			
Tetrachloroethene	mg/L	<0.41 ug/L	0.05	0.05	0.052	0.051	105	102	70-130	3	20			
Toluene	mg/L	<0.29 ug/L	0.05	0.05	0.048	0.047	96	95	80-121	1	20			
trans-1,2-Dichloroethene	mg/L	<0.53 ug/L	0.05	0.05	0.052	0.051	103	102	70-134	1	20			
trans-1,3-Dichloropropene	mg/L	<3.5 ug/L	0.05	0.05	0.044	0.041	88	83	58-130	6	20			
Trichloroethene	mg/L	<0.32 ug/L	0.05	0.05	0.052	0.053	103	106	70-130	3	20			
Vinyl chloride	mg/L	<0.17 ug/L	0.05	0.05	0.041	0.042	81	83	61-143	2	20			
Xylene (Total)	mg/L	<1.0 ug/L	0.15	0.15	0.13	0.12	85	79	70-130	7	20			
1,2-Dichlorobenzene-d4 (S)	%						100	96	70-130					
4-Bromofluorobenzene (S)	%						104	103	70-130					
Toluene-d8 (S)	%						93	93	70-130					

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### QUALITY CONTROL DATA

Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

QC Batch: 413031 Analysis Method: EPA 8270E by SIM  
QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243321002, 40243321003

METHOD BLANK: 2378112 Matrix: Water  
Associated Lab Samples: 40243321002, 40243321003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/L	<0.000014	0.000050	0.000014	04/14/22 07:52	
Acenaphthylene	mg/L	<0.000013	0.000050	0.000013	04/14/22 07:52	
Anthracene	mg/L	<0.000018	0.000050	0.000018	04/14/22 07:52	
Benzo(a)anthracene	mg/L	<0.000014	0.000050	0.000014	04/14/22 07:52	
Benzo(a)pyrene	mg/L	<0.000020	0.000050	0.000020	04/14/22 07:52	
Benzo(b)fluoranthene	mg/L	<0.000020	0.000050	0.000020	04/14/22 07:52	
Benzo(g,h,i)perylene	mg/L	<0.000023	0.000050	0.000023	04/14/22 07:52	
Benzo(k)fluoranthene	mg/L	<0.000022	0.000050	0.000022	04/14/22 07:52	
Chrysene	mg/L	<0.000027	0.000050	0.000027	04/14/22 07:52	
Dibenz(a,h)anthracene	mg/L	<0.000018	0.000050	0.000018	04/14/22 07:52	
Fluoranthene	mg/L	<0.000026	0.000050	0.000026	04/14/22 07:52	
Fluorene	mg/L	<0.000024	0.000050	0.000024	04/14/22 07:52	
Indeno(1,2,3-cd)pyrene	mg/L	<0.000016	0.000050	0.000016	04/14/22 07:52	
Naphthalene	mg/L	0.000020J	0.000050	0.000020	04/14/22 07:52	
Phenanthrene	mg/L	<0.000026	0.000050	0.000026	04/14/22 07:52	
Pyrene	mg/L	<0.000023	0.000050	0.000023	04/14/22 07:52	
2-Fluorobiphenyl (S)	%	74	44-120		04/14/22 07:52	
Terphenyl-d14 (S)	%	79	49-120		04/14/22 07:52	

LABORATORY CONTROL SAMPLE & LCSD: 2378113 2378114

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	mg/L	0.002	0.0018	0.0017	88	85	69-120	3	20	
Acenaphthylene	mg/L	0.002	0.0016	0.0016	82	80	66-120	3	20	
Anthracene	mg/L	0.002	0.0017	0.0017	83	85	71-120	2	20	
Benzo(a)anthracene	mg/L	0.002	0.0013	0.0012	65	59	60-120	10	20 L2	
Benzo(a)pyrene	mg/L	0.002	0.0015	0.0018	75	89	71-120	17	20	
Benzo(b)fluoranthene	mg/L	0.002	0.0013	0.0013	66	66	62-118	1	20	
Benzo(g,h,i)perylene	mg/L	0.002	0.0018	0.0016	88	82	72-120	6	20	
Benzo(k)fluoranthene	mg/L	0.002	0.0019	0.0019	96	93	73-120	4	20	
Chrysene	mg/L	0.002	0.0023	0.0023	116	113	80-120	2	20	
Dibenz(a,h)anthracene	mg/L	0.002	0.0018	0.0017	88	83	72-120	5	20	
Fluoranthene	mg/L	0.002	0.0015	0.0015	75	74	72-120	2	20	
Fluorene	mg/L	0.002	0.0016	0.0015	79	75	67-120	5	20	
Indeno(1,2,3-cd)pyrene	mg/L	0.002	0.0016	0.0016	80	80	69-120	1	20	
Naphthalene	mg/L	0.002	0.0016	0.0015	79	75	60-120	6	20	
Phenanthrene	mg/L	0.002	0.0014	0.0014	72	71	62-120	2	20	
Pyrene	mg/L	0.002	0.0018	0.0017	88	84	64-120	4	20	
2-Fluorobiphenyl (S)	%				81	77	44-120			

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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### QUALITY CONTROL DATA

Project: 6255 SOUTH MILWAUKEE

Pace Project No.: 40243321

LABORATORY CONTROL SAMPLE & LCSD: 2378113		2378114									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Terphenyl-d14 (S)	%				92	79	49-120				

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.

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## QUALIFIERS

Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

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### 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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

### BATCH QUALIFIERS

Batch: 413099

[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.

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: 6255 SOUTH MILWAUKEE  
Pace Project No.: 40243321

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40243321002	MW-3	EPA 3510	413031	EPA 8270E by SIM	413099
40243321003	MW-4	EPA 3510	413031	EPA 8270E by SIM	413099
40243321001	MW-5	EPA 8260	413118		

**REPORT OF LABORATORY ANALYSIS**

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Client Name: DAT Sample Preservation Receipt Form  
 Project # 40243321

All containers needing preservation have been checked and noted below:  Yes  No  N/A  
 Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Initial when completed: Date/Time:

Pace Lab #	Glass						Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH s2	NaOH+Zn Act pH s9	NaOH pH s12	HNO3 pH s2	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																																			2.5 / 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
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017																																			2.5 / 5 / 10
018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

**Sample Condition Upon Receipt Form (SCUR)**

Client Name: DAI

Project #:

**WO#: 40243321**



40243321

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 /ICorr: 1

Temp Blank Present:  yes  no

Biological Tissue is Frozen:  yes  no

Person examining contents:

Date: 4/13/12 /Initials: [Signature]

Labeled By Initials: [Signature]

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<i>Filter, Preserve, Pq #, Mail + Inv. Info 4/13/12</i>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <i>003 - no labels. Process 4/13/12</i>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<i>illumination determined placement.</i>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 login