

December 27, 2021

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
(November 2021 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 November 2021 groundwater sampling are included in this quarterly report. 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

**QUARTERLY GROUNDWATER SAMPLING REPORT
(NOVEMBER 2021 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**

December 27, 2021

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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 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 the 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

Quarterly groundwater sampling is being conducted at monitoring wells MW-3 to MW-5. 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°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 fourth quarter 2021 groundwater sampling event. The static water level elevations were collected from all monitoring wells on November 11, 2021. Table A.6 in Attachment A provides a historical summary of groundwater elevation information.

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 fluctuate less between quarters, in general. 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, though the most recent monitoring events have only indicated the northwesterly direction across the Site. The potentiometric surface map generated from the November 2021 data is included as Figure B.3.c.19 (see Attachment B).

3.2 Groundwater Analytical Results

Groundwater samples for the fourth quarter 2021 (i.e., October-December 2021) were collected on November 11, 2021, 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 (see Attachment A). The tables are compared to the Preventative Action Limits PAL (s) and Enforcement Standards listed in Table 1 of NR 140. A copy of the laboratory analytical report for the fourth quarter 2021 sampling is provided in this report as Attachment C.1.E.

Volatile Organic Compounds

Table A.1.A summarizes the results for Perc and Trichloroethene (TCE), the only VOCs of concern in the groundwater (previous quarterly reports include a full summary of VOC analyses). All results are for groundwater samples collected from MW-5, installed to the rear of the 2410 tenant space (former Sunbrite Cleaners location).

As noted in the table, since February 2016 Perc has been present consistently in monitoring well MW-5, with concentrations exceeding the Enforcement Standard of 0.005-mg/L. Concentrations were noted as increasing between November 2014 and October 2018, followed by an overall declining trend (though highly variable from quarter to quarter). The chemical injection activities conducted in July 2018 and August 2019 appear to have contributed to the declining concentrations. The results of the most recent groundwater from November 2021 sampling indicate a Perc concentration in MW-5 of 0.024-mg/L. The November 2021 concentration indicates another slight increase from the 0.021-mg/L observed in August 2021. Overall the Perc concentrations in MW-5 are considered stable, as observed each quarter between September 2019 (sampling following the second chemical injection) and May 2021. The more recent increase will be monitored closely to identify any trend in the groundwater concentrations. The monthly sump samples in 2021 have remained stable, though slightly higher in concentration than in preceding years. (The water collected in the sump is treated before discharge to the stormwater sewer system.) Quarterly monitoring of Perc concentrations in MW-5 and the monthly sump sampling will be continued. The quarterly groundwater sampling results from MW-5 are provided in Table A.1.A, and the monthly sump sample results are summarized in Table A.5. Figure B.3.b.1a provides a historical summary of Perc groundwater concentrations and the estimated extent of Perc groundwater contamination.

Since the groundwater sampling was initiated, the TCE concentration in MW-5 was observed at a level above the PAL on two (2) occasions: January 2019 (0.0027-mg/L) and April 2019 (0.00071-mg/L). All subsequent TCE concentrations have remained below the PAL, with the most recent result from November 2021 at a concentration of 0.00034-mg/L. 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, the PAH analyses of concern in the groundwater (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 groundwater contamination was observed in MW-3. The most recent concentrations from November 2021 remain above the Enforcement Standards, although markedly lower than the previous sampling results. The PAH results remain generally stable, though recent November 2021 results indicate a moderate decline. As previously noted, it appears that the groundwater concentrations are most influenced by fluctuations in the groundwater table elevation through the contaminated fill material, particularly in the area for MW-3. 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. The damage to the monitoring well casing and fluctuations in the groundwater table elevations contribute to the high variability in observed concentrations over time. However, these impacts are still limited to the area along the southern property boundary.

Sample results in MW-4 (installed to the rear of the 2414B tenant space in the approximate location of a former heating oil UST) typically indicate Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene at concentrations above the Enforcement Standards. Each constituent was observed at a concentration above their respective Enforcement Standard in November 2021, and at an increase from the August 2021 reported concentrations. While concentrations had been generally stable, recent results are showing increases in concentration. The concentration of Naphthalene in MW-4 increased to a level above the PAL for the first time since July 2020, although periodic spikes in Naphthalene concentration have been noted previously and typically

with corresponding excursions in the other PAH constituents. As with MW-5, the more recent increase will be monitored closely to identify any trends in concentration. The variability of the PAH concentrations in MW-4 appears to be largely influenced by fluctuations in the groundwater table elevation.

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 Limit of Detection with the exception of Perc, Table A.5 only summarizes the Perc results.) The sump water sample results from January 2020 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

- Perc has been observed in monitoring well MW-5 at concentrations exceeding the Enforcement Standard since February 2016. The concentrations were observed to be increasing with time until chemical injection was performed in July 2018. Subsequently, Perc concentrations in MW-5, though highly variable, have shown an overall decline since October 2018. The additional chemical injection performed near MW-5 in August 2019 also helped reduce the mass of Perc contamination. However, because there is still Perc in the soil surrounding MW-5, the groundwater Perc concentrations in MW-5 remain at concentrations above the Enforcement Standard. The sampling data from September 2019 through May 2021 indicated relatively stable Perc concentrations in MW-5. The most recent sampling results from August and November 2021 show a slight increase in Perc concentration. The results from MW-5 and the monthly sump sampling (which are indicative of groundwater concentrations near MW-5) will continue to be monitored for any changes in contaminant concentration.
- 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 treatment and influent and effluent sampling will continue on a monthly basis.
- The PAH constituents Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene remain at concentrations above the Enforcement Standards in MW-3 and MW-4. Naphthalene concentrations remain below the PAL in MW-3, but increased to above the PAL in MW-4 for the first time since July 2020. PAH concentrations in MW-3 had remained nearly the same since May 2020 before indicating a decrease in August and November 2021. The quarterly sampling of MW-3 and MW-4 has indicated that groundwater concentrations are variable and are influenced by groundwater fluctuations through impacted backfill. The site-wide presence of fill material (including coal and cinders remaining from the historical use of the property) also likely contributes to the observed PAH groundwater concentrations. (A large portion of the Site exhibits low-level PAH soil contamination.) The most recent sampling data do not indicate an increase or spread of contamination.
- Quarterly groundwater sampling has been conducted since January 2018. The sampling results indicate levels of Perc, Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene at concentrations above the Enforcement Standards. The concentrations of Perc in MW-5 have been generally stable, but indicate recent increases in concentration. Further monitoring will determine any trends in Perc concentration. The PAH concentrations in MW-3 and MW-4, though variable, do not indicate an overall increase or further spread of contamination. The recent increase of concentrations in MW-4 will be closely monitored.

**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	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>	0.00071 (J)
	01/25/19	<u>0.0065</u>	0.0027
	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	<u>0.0026</u>	<0.00033	
11/12/14 (TW-2)	<u>0.0026</u>	<0.00033	
PAL¹		0.0005	0.0005
Enforcement Standard²		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	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	0.000024 (J)	0.000074	0.000079	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	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)	<u>0.0006</u>	<u>0.00077</u>	<u>0.00084</u>	0.00016	
PAL¹		0.00002	0.00002	0.00002	0.017
Enforcement Standard²		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	11/11/21	<u>0.0024 (J)</u>	<u>0.0035 (J)</u>	<u>0.016</u>	0.089
	08/31/21	<0.0017*	<0.0017*	<0.0024*	0.01
	05/03/21	<u>0.0003 (J)</u>	<u>0.00061</u>	<u>0.0022</u>	0.0091
	01/18/21	<u>0.00013 (J)</u>	<u>0.00029</u>	<u>0.00082</u>	0.0055
	10/12/20	<u>0.00029 (J)</u>	<u>0.00065</u>	<u>0.0015</u>	0.007
	07/14/20	<u>0.00046 (J)</u>	<u>0.00098</u>	<u>0.0038</u>	0.025
	05/05/20	<u>0.0012 (J)</u>	<u>0.0032</u>	<u>0.005</u>	0.035
	01/17/20	<u>0.0031</u>	<u>0.0056</u>	<u>0.0074</u>	0.0074
	10/24/19	<u>0.00045</u>	<u>0.00086</u>	<u>0.0016</u>	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	<u>0.00022 (J)</u>	<u>0.001 (J)</u>	0.0151
	05/30/17	< <u>0.00049</u>	< 0.00027	<u>0.0018 (J)</u>	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
PAL¹		0.00002	0.00002	0.00002	0.017
Enforcement Standard²		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.5. Ace Hardware Sump Water Analytical Table for Tetrachlorethene (mg/L)

Sample Location	Sample Date	Tetrachloroethene
Sump	11/05/21	<u>0.014</u>
	10/04/21	<u>0.016</u>
	09/10/21	<u>0.015</u>
	08/06/21	<u>0.016</u>
	07/02/21	<u>0.014</u>
	06/14/21	<u>0.013</u>
	05/03/21	<u>0.016</u>
	04/06/21	<u>0.012</u>
	03/08/21	0.01
	02/02/21	<u>0.014</u>
	01/12/21	0.005
	12/09/20	0.0048
	11/12/20	<u>0.0068</u>
	10/12/20	<u>0.009</u>
	09/03/20	<u>0.0065</u>
	08/17/20	0.01
	07/14/20	<u>0.0078</u>
	06/03/20	<u>0.0068</u>
	05/05/20	<u>0.0054</u>
	04/06/20	0.005
	03/10/20	<u>0.0063</u>
	02/03/20	<u>0.006</u>
	01/07/20	<u>0.0065</u>
	12/03/19	<u>0.0068</u>
	11/04/19	0.008
	10/02/19	<u>0.0069</u>
	09/05/19	<u>0.0076</u>
	08/02/19	0.005
07/19/19	<u>0.0062</u>	
06/25/19	<u>0.0054</u>	
06/06/19	<u>0.0069</u>	
05/29/19	0.0043	
05/23/19	0.0042	
05/15/19	<u>0.0093</u>	
02/04/19	<u>0.0064</u>	
01/05/18	<u>0.0082</u>	
06/04/17	0.006	
PAL¹		0.0005
Enforcement Standard²		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)	Measured Depth to Well Bottom (ft)	Relative Groundwater Elevation (ft)
MW-1	99.13	11/11/21	3.97	14.49	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	100.75	11/11/21	7.99	14.41	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

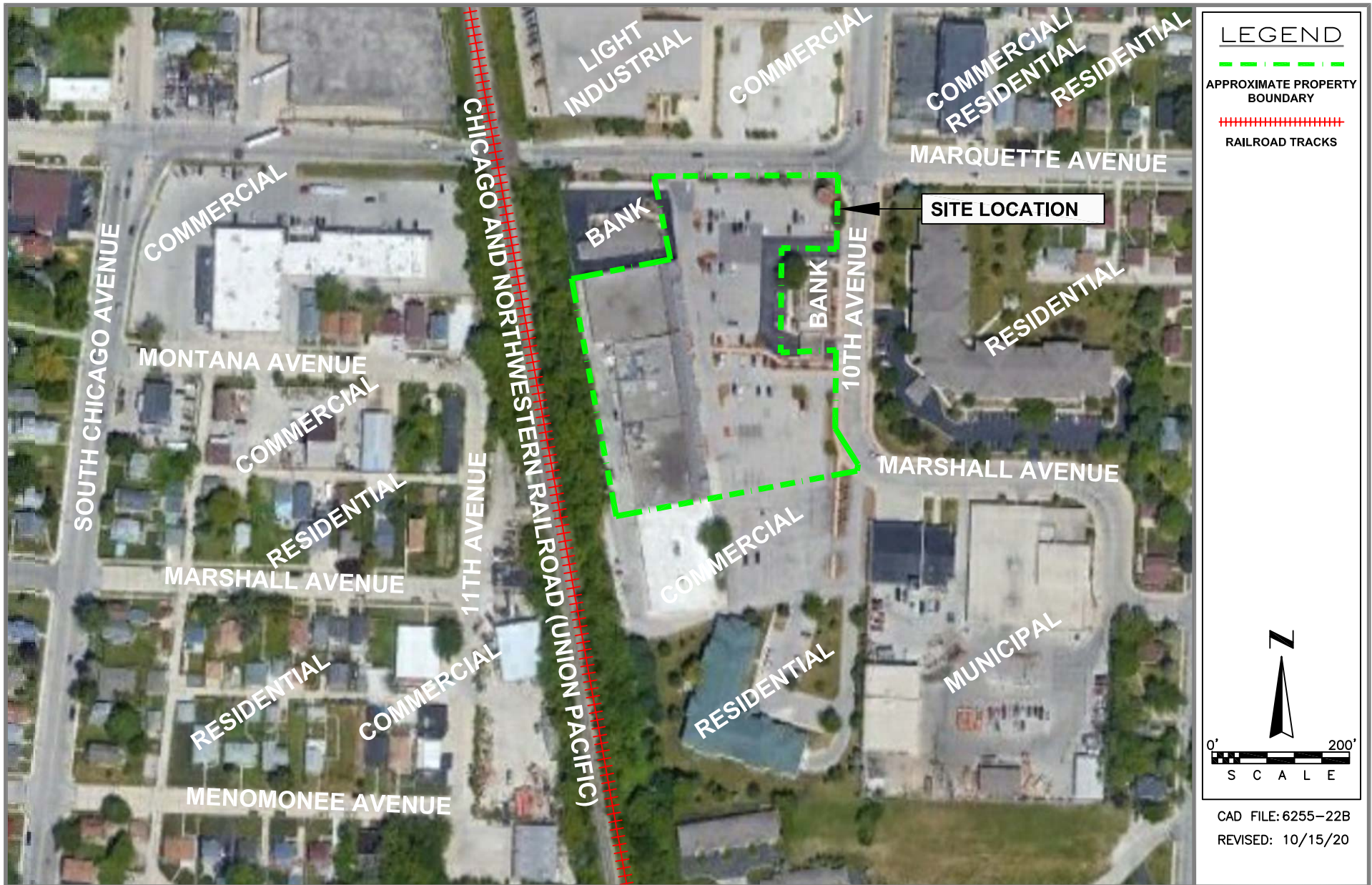
Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Measured Depth to Well Bottom (ft)	Relative Groundwater Elevation (ft)
MW-3	100.05	11/11/21	4.12	14.46	95.93
		08/31/21	4.37		95.68
		05/03/21	3.45		96.60
		01/18/21	4.50		95.55
		10/12/20	4.25		95.80
		07/14/20	3.37		96.68
		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	100.57	11/11/21	6.78	14.57	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)	Measured Depth to Well Bottom (ft)	Relative Groundwater Elevation (ft)
MW-5	100.24	11/11/21	6.69	14.60	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	100.10	11/11/21	8.12	14.57	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			

* – Relative Elevation based upon generic 100-ft on-site datum and survey data collected on January 27, 2015, and March 30, 2015.

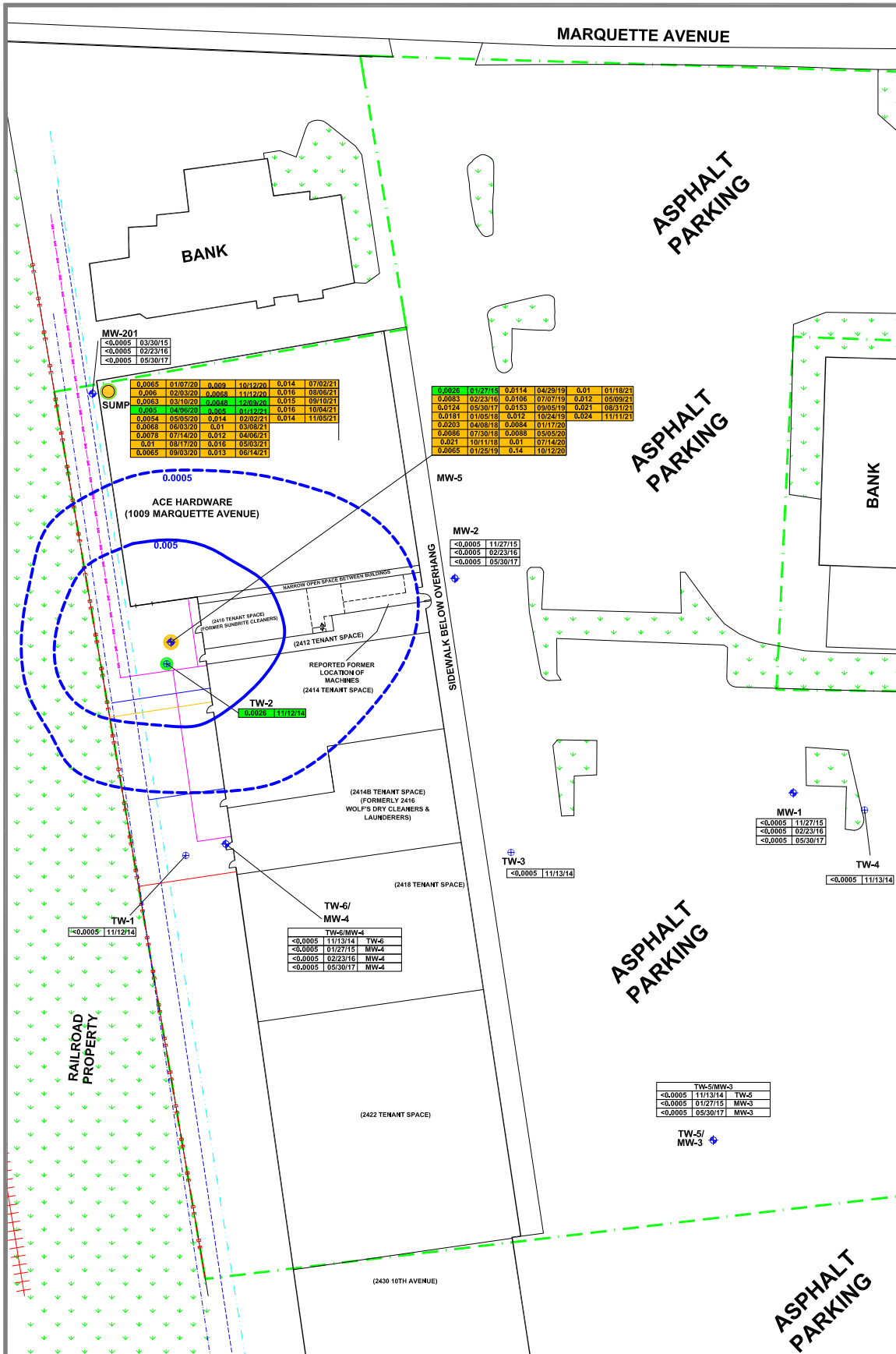
APPENDIX B
FIGURES



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

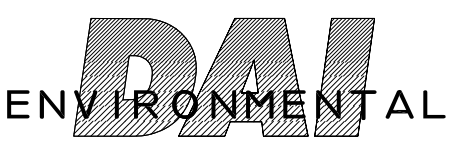
- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED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

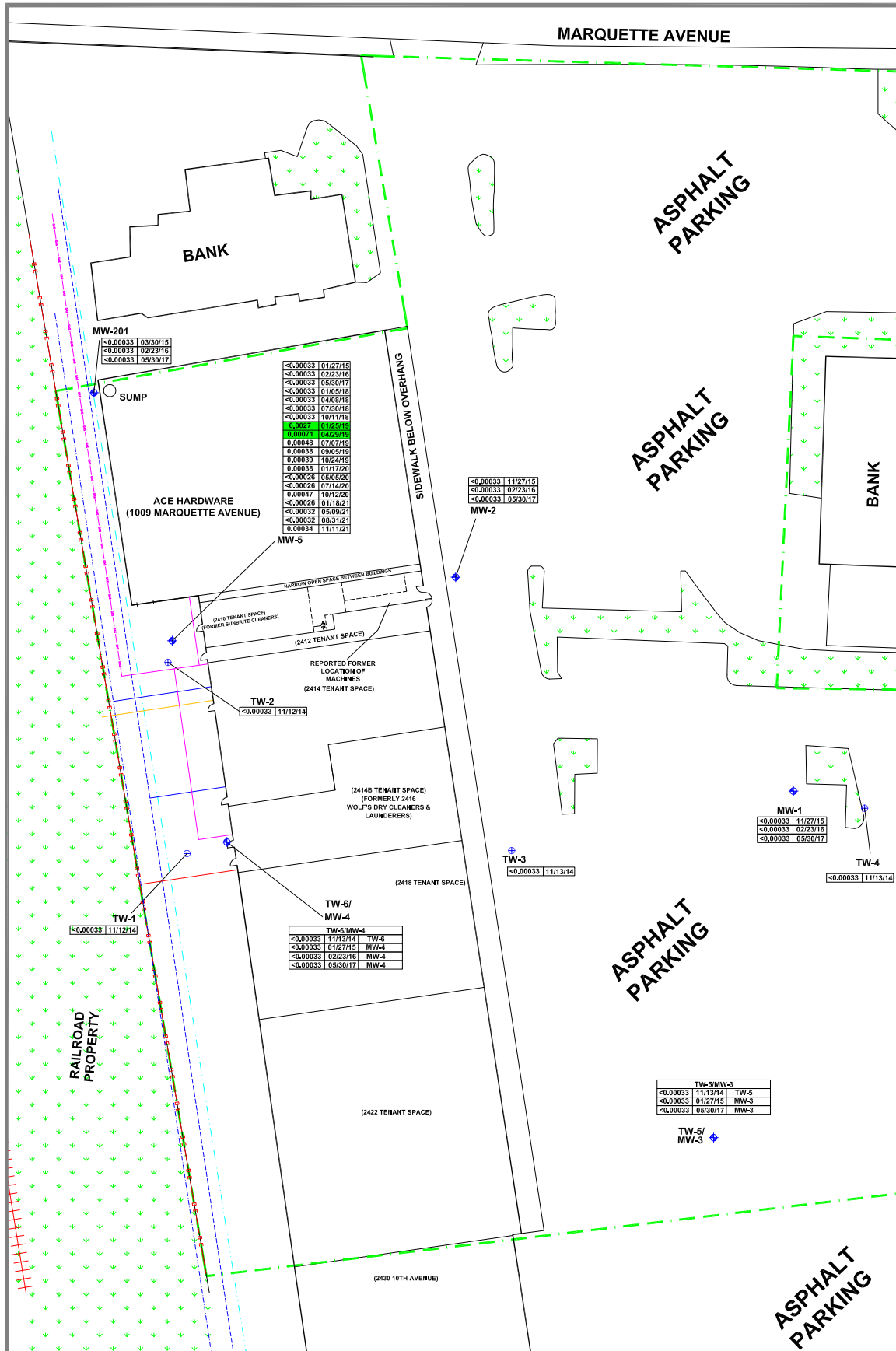
SCALE

CAD FILE: 6255-1330
REVISED: 12/01/21



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

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



LEGEND

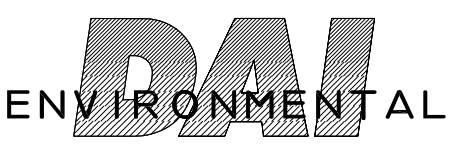
- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED 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
<0.00033	01/27/15
<0.00033	02/23/16
<0.00033	05/30/17
<0.00033	01/05/18
<0.00033	04/08/18
<0.00033	07/30/18
<0.00033	10/11/18
0.00037	01/29/19
0.00041	04/24/19
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	08/31/21
0.00034	11/11/21
<0.00033	11/27/15
<0.00033	02/23/16
<0.00033	05/30/17
<0.00033	11/27/15
<0.00033	02/23/16
<0.00033	05/30/17
<0.00033	11/12/14
<0.00033	11/13/14
<0.00033	11/12/14
<0.00033	11/13/14
<0.00033	01/27/15
<0.00033	02/23/16
<0.00033	05/30/17
<0.00033	11/13/14
<0.00033	11/13/14
<0.00033	01/27/15
<0.00033	02/23/16
<0.00033	05/30/17

0' 65'

S C A L E

CAD FILE: 6255-1771
REVISED: 12/01/21



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 ⁻⁶	01/27/15
6.8X10 ⁻⁶	02/23/16
<9.6X10 ⁻⁶	01/05/18

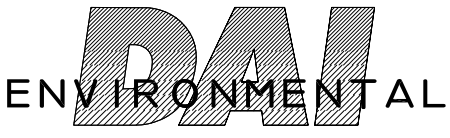
PAH CONC. mg/L	SAMPLE DATE
5.3X10 ⁻⁶	11/13/14
0.00017	01/27/15
8X10 ⁻⁶	02/23/16
<0.00049	05/30/17
<0.0002	01/05/18
<9.5X10 ⁻⁶	04/08/18
<0.00048	07/30/18
<0.00029	10/11/18
<9.5X10 ⁻⁶	01/25/19
0.0004	04/26/19
<0.00037	07/07/19
0.00045	10/24/19
0.0031	01/17/20
0.002	05/05/20
0.00046	07/14/20
0.00029	10/12/20
0.0013	01/18/21
0.0003	05/03/21
<0.0017	08/31/21
0.0024	11/11/21

PAH CONC. mg/L	SAMPLE DATE
0.0006	11/13/14
0.00011	01/27/15
0.001	05/30/17
<9.6X10 ⁻⁶	01/05/18
0.0019	04/08/18
0.00068	07/30/18
0.00024	10/11/18
0.0017	01/25/19
0.115	04/26/19
0.0019	07/07/19
0.015	10/24/19
0.0065	01/17/20
0.0011	05/05/20
0.0013	07/14/20
0.0024	01/18/21
0.00021	08/31/21
0.008	11/11/21

0' 65'

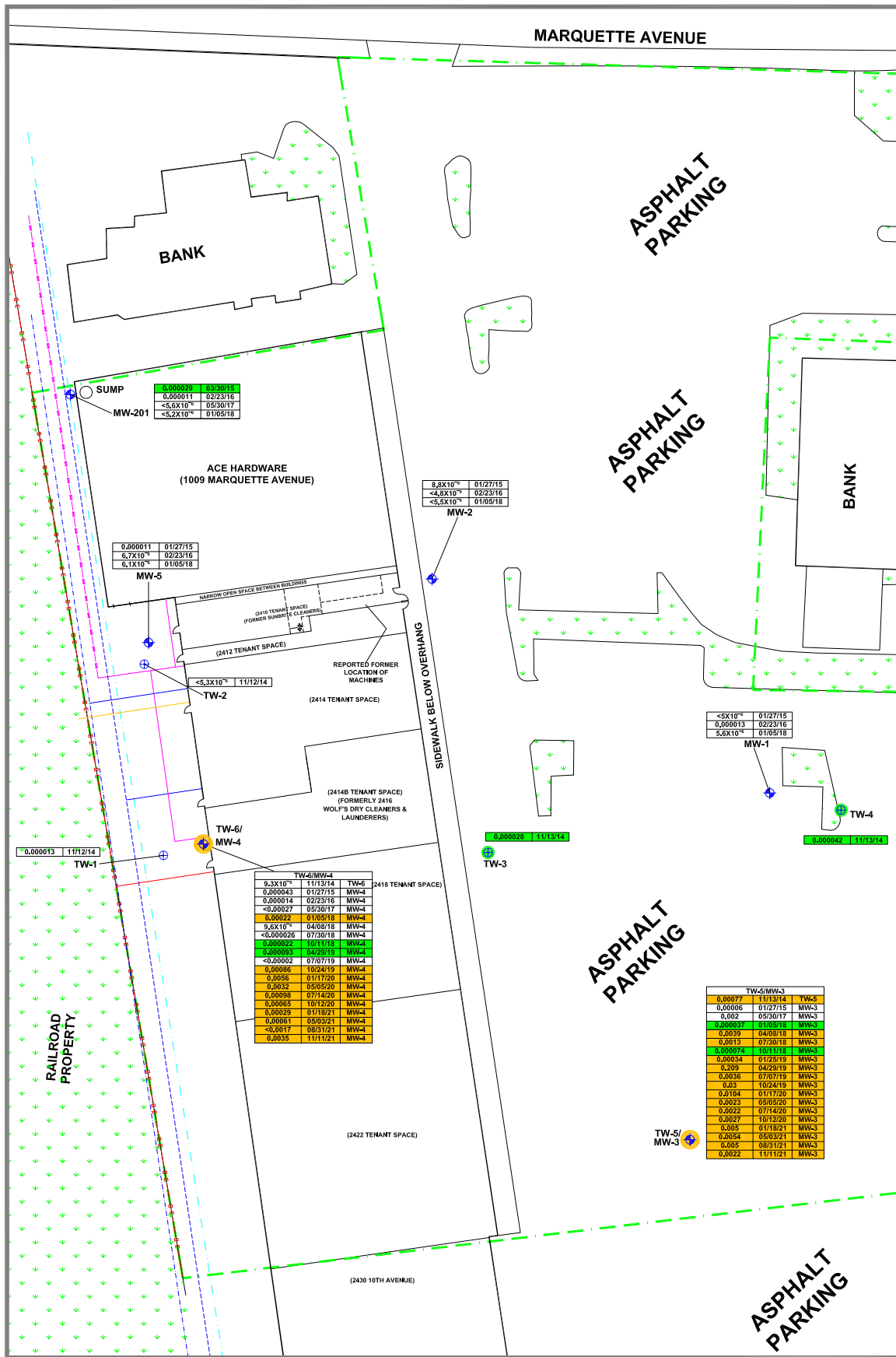
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CAD FILE: 6255-1781
REVISED: 12/01/21



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

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

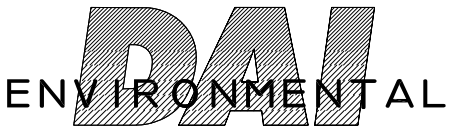


LEGEND

- 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 ⁻⁶	02/23/16
6.1X10 ⁻⁶	01/05/18
8.8X10 ⁻⁶	01/27/15
4.8X10 ⁻⁶	02/23/16
5.5X10 ⁻⁶	01/05/18
0.000013	02/23/16
5.6X10 ⁻⁶	01/05/18
0.000028	11/12/14
0.000042	11/13/14
0.000027	01/05/18
0.00135	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
0.2104	01/17/20
0.023	05/05/20
0.022	07/14/20
0.021	10/12/20
0.05	01/18/21
0.054	05/03/21
0.05	08/31/21
0.022	11/11/21

CAD FILE: 6255-1791
REVISED: 12/01/21



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

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



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

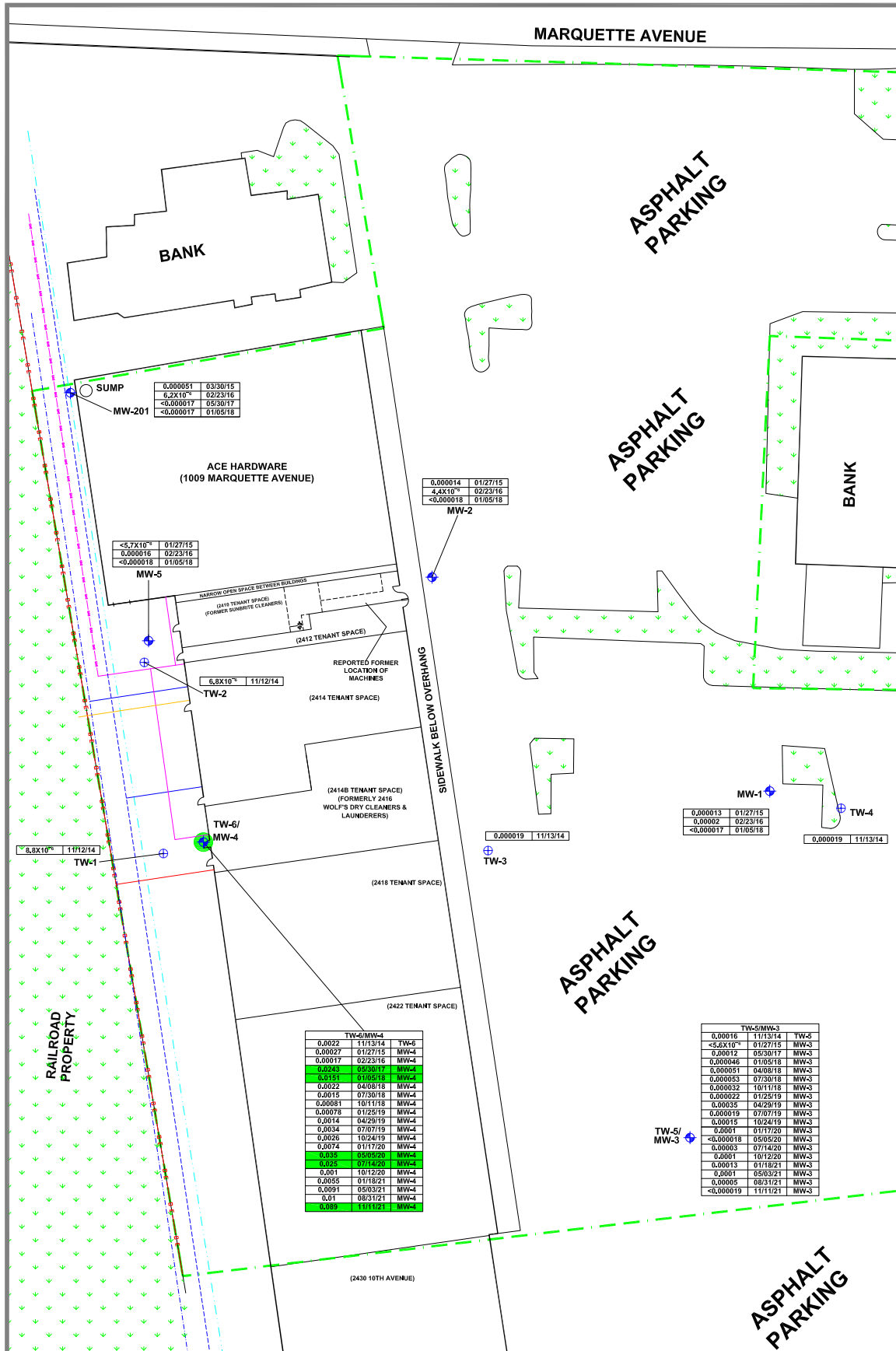
PAH CONC. mg/L	SAMPLE DATE
0.000011	01/27/15
0.000015	02/23/16
<0.000012	01/05/18

CAD FILE: 6255-1801
REVISED: 12/01/21

DAI
ENVIRONMENTAL

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

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



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
0.000051	03/30/15
6.2X10 ⁻⁶	02/23/16
<0.000017	05/30/17
<0.000017	01/05/18

PAH CONC. mg/L	SAMPLE DATE
0.000014	01/27/15
4.4X10 ⁻⁶	02/23/16
<0.000018	01/05/18

PAH CONC. mg/L	SAMPLE DATE
<5.7X10 ⁻⁶	01/27/15
0.000016	02/23/16
<0.000018	01/05/18

PAH CONC. mg/L	SAMPLE DATE
6.8X10 ⁻⁶	11/12/14

PAH CONC. mg/L	SAMPLE DATE
0.000019	11/13/14

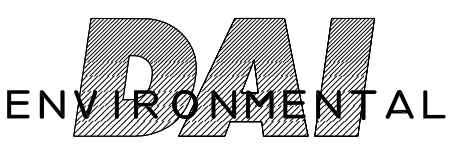
PAH CONC. mg/L	SAMPLE DATE
0.000013	01/27/15
0.00002	02/23/16
<0.000017	01/05/18

PAH CONC. mg/L	SAMPLE DATE
0.000019	11/13/14

PAH CONC. mg/L	SAMPLE DATE
0.00016	11/13/14
<5.6X10 ⁻⁶	01/27/15
0.00012	05/30/17
0.00046	01/05/18
0.00051	04/05/18
0.00053	07/30/18
0.00032	10/11/18
0.00022	01/23/19
0.00035	04/29/19
0.00019	07/07/19
0.00015	10/24/19
<0.001	01/17/20
<0.00018	05/05/20
0.00083	07/14/20
<0.001	10/13/20
0.00013	01/18/21
0.0001	05/03/21
0.00005	08/31/21
<0.000019	11/11/21

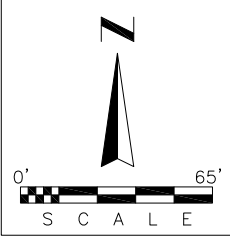
PAH CONC. mg/L	SAMPLE DATE
0.0022	11/13/14
0.00027	01/27/15
0.00017	02/23/16
0.00049	04/05/18
0.00151	01/05/19
0.0022	04/08/18
0.0015	07/30/18
0.00081	10/11/18
0.00078	01/25/19
0.0014	04/29/19
0.0034	07/07/19
0.0026	10/24/19
0.0074	01/17/20
0.008	05/05/20
0.025	07/14/20
0.001	10/12/20
0.0055	01/18/21
0.0091	05/03/21
0.01	08/31/21
0.009	11/11/21

PAH CONC. mg/L	SAMPLE DATE
0.00016	11/13/14
<5.6X10 ⁻⁶	01/27/15
0.00012	05/30/17
0.00046	01/05/18
0.00051	04/05/18
0.00053	07/30/18
0.00032	10/11/18
0.00022	01/23/19
0.00035	04/29/19
0.00019	07/07/19
0.00015	10/24/19
<0.001	01/17/20
<0.00018	05/05/20
0.00083	07/14/20
<0.001	10/13/20
0.00013	01/18/21
0.0001	05/03/21
0.00005	08/31/21
<0.000019	11/11/21

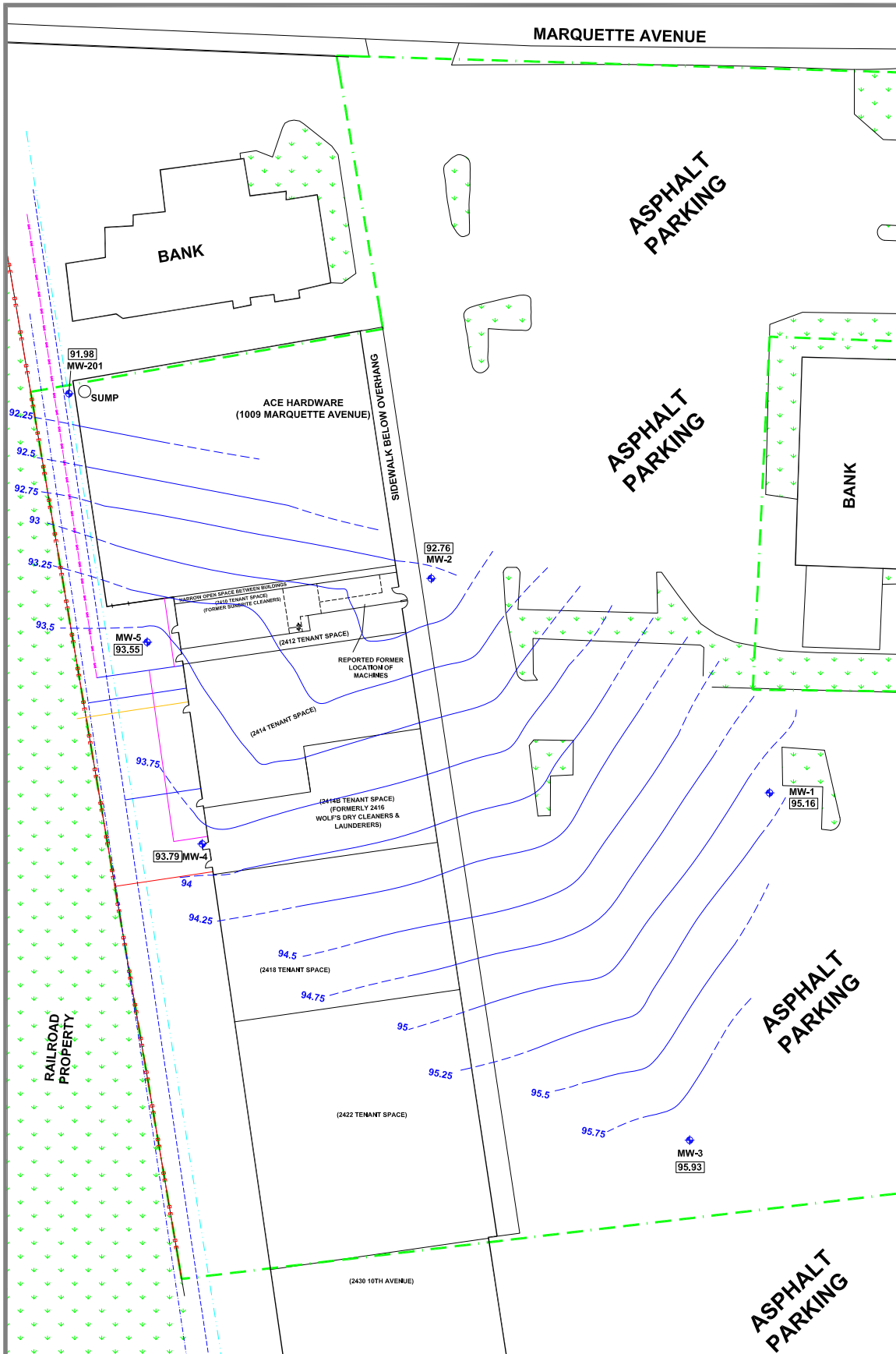


SUNRISE SHOPPING CENTER
 2410-2424 10TH AVENUE
 1009 MARQUETTE AVENUE
 SOUTH MILWAUKEE, WISCONSIN

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



CAD FILE: 6255-1811
 REVISED: 12/01/21



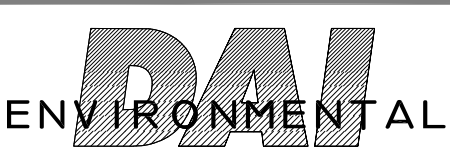
LEGEND

- 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
- 96.78 GROUNDWATER ELEVATION
- POTENTIOMETRIC SURFACE
- INFERRED POTENTIOMETRIC SURFACE

0' 65'

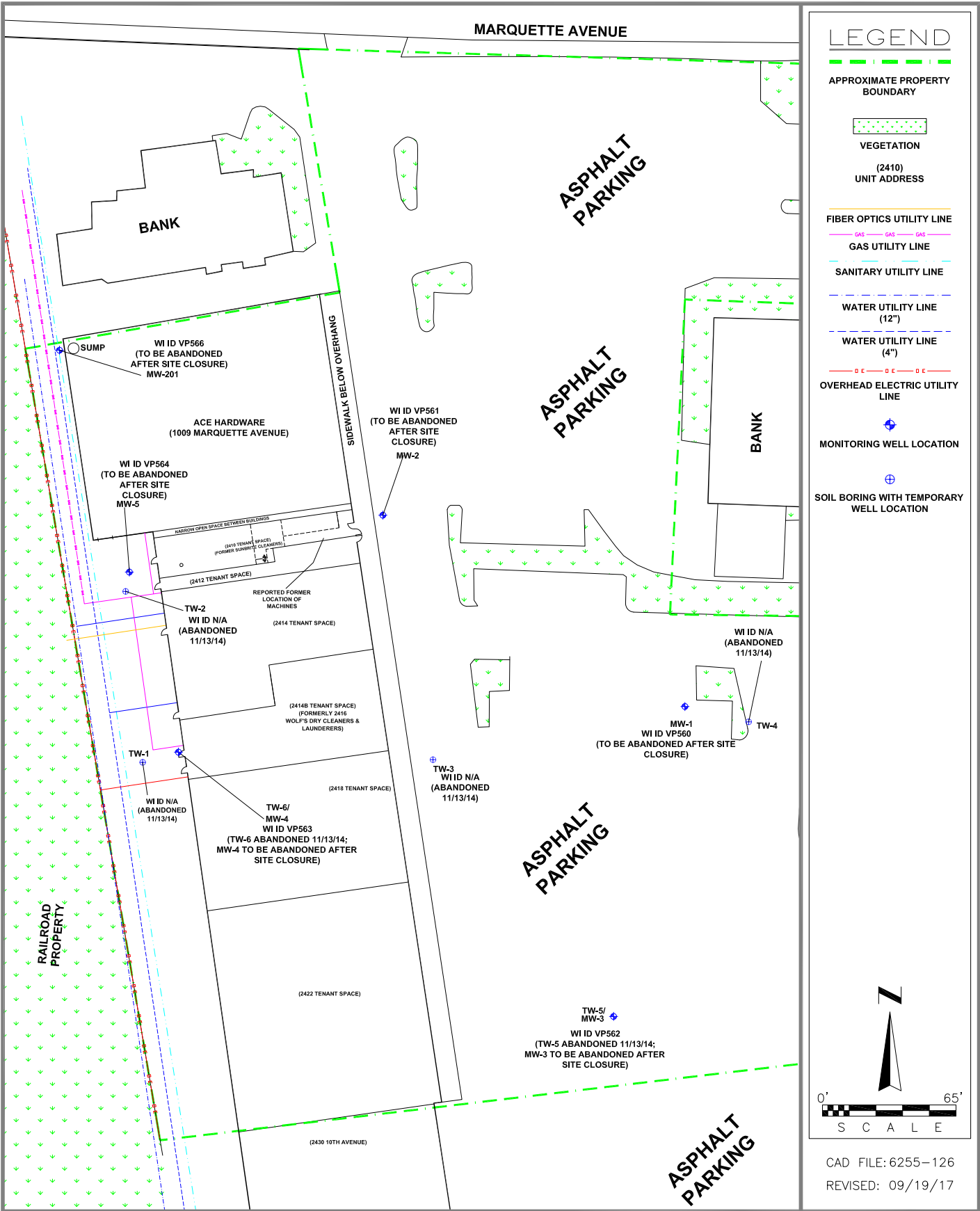
S C A L E

CAD FILE: 6255-168L
REVISED: 12/01/21




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

FIGURE B.3.c.19
GROUNDWATER FLOW DIRECTION
 (NOVEMBER 11, 2021)

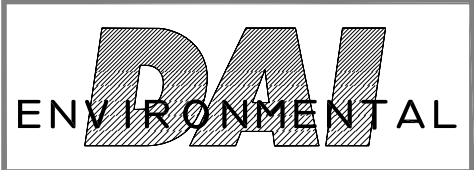


LEGEND

- 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


 0' 65'
 S C A L E

CAD FILE: 6255-126
 REVISED: 09/19/17



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
(FOURTH QUARTER 2021)**

November 22, 2021

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

RE: Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

Dear Chris Cailles:

Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace 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 S. MILWAUKEE

Pace Project No.: 40236973

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 S. MILWAUKEE

Pace Project No.: 40236973

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40236973001	MW-5	Water	11/11/21 09:15	11/13/21 08:50
40236973002	MW-4	Water	11/11/21 08:55	11/13/21 08:50
40236973003	MW-3	Water	11/11/21 09:45	11/13/21 08:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40236973001	MW-5	EPA 8260	LAP	64
40236973002	MW-4	EPA 8270E by SIM	RJN	20
40236973003	MW-3	EPA 8270E by SIM	RJN	20

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40236973001	MW-5					
EPA 8260	Tetrachloroethene	0.024	mg/L	0.0010	11/16/21 14:20	
EPA 8260	1,1,1-Trichloroethane	0.00078J	mg/L	0.0010	11/16/21 14:20	
EPA 8260	Trichloroethene	0.00034J	mg/L	0.0010	11/16/21 14:20	
40236973002	MW-4					
EPA 8270E by SIM	Acenaphthene	0.13	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Acenaphthylene	0.049	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Anthracene	0.095	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Benzo(a)anthracene	0.0055	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Benzo(a)pyrene	0.0024J	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.0035J	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Chrysene	0.016	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Fluoranthene	0.025	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Fluorene	0.26	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	1-Methylnaphthalene	0.28	mg/L	0.0048	11/19/21 08:23	L2
EPA 8270E by SIM	2-Methylnaphthalene	0.0097	mg/L	0.0048	11/19/21 08:23	B
EPA 8270E by SIM	Naphthalene	0.089	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Phenanthrene	0.47	mg/L	0.0048	11/19/21 08:23	
EPA 8270E by SIM	Pyrene	0.11	mg/L	0.0048	11/19/21 08:23	
40236973003	MW-3					
EPA 8270E by SIM	Acenaphthene	0.00010	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Acenaphthylene	0.000060	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Anthracene	0.00031	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Benzo(a)anthracene	0.00028	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Benzo(a)pyrene	0.00080	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.0022	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.0013	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.00077	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Chrysene	0.0015	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Dibenz(a,h)anthracene	0.00017	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Fluoranthene	0.0029	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Fluorene	0.000080	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.00095	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	1-Methylnaphthalene	0.000042J	mg/L	0.000047	11/19/21 08:42	B,L2
EPA 8270E by SIM	Phenanthrene	0.00084	mg/L	0.000047	11/19/21 08:42	
EPA 8270E by SIM	Pyrene	0.0018	mg/L	0.000047	11/19/21 08:42	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

Sample: MW-5 Lab ID: 40236973001 Collected: 11/11/21 09:15 Received: 11/13/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.00030	mg/L	0.0010	0.00030	1		11/16/21 14:20	71-43-2	
Bromobenzene	<0.00036	mg/L	0.0010	0.00036	1		11/16/21 14:20	108-86-1	
Bromochloromethane	<0.00036	mg/L	0.0050	0.00036	1		11/16/21 14:20	74-97-5	
Bromodichloromethane	<0.00042	mg/L	0.0010	0.00042	1		11/16/21 14:20	75-27-4	
Bromoform	<0.0038	mg/L	0.0050	0.0038	1		11/16/21 14:20	75-25-2	
Bromomethane	<0.0012	mg/L	0.0050	0.0012	1		11/16/21 14:20	74-83-9	
n-Butylbenzene	<0.00086	mg/L	0.0010	0.00086	1		11/16/21 14:20	104-51-8	
sec-Butylbenzene	<0.00042	mg/L	0.0010	0.00042	1		11/16/21 14:20	135-98-8	
tert-Butylbenzene	<0.00059	mg/L	0.0010	0.00059	1		11/16/21 14:20	98-06-6	
Carbon tetrachloride	<0.00037	mg/L	0.0010	0.00037	1		11/16/21 14:20	56-23-5	
Chlorobenzene	<0.00086	mg/L	0.0010	0.00086	1		11/16/21 14:20	108-90-7	
Chloroethane	<0.0014	mg/L	0.0050	0.0014	1		11/16/21 14:20	75-00-3	
Chloroform	<0.0012	mg/L	0.0050	0.0012	1		11/16/21 14:20	67-66-3	
Chloromethane	<0.0016	mg/L	0.0050	0.0016	1		11/16/21 14:20	74-87-3	
2-Chlorotoluene	<0.00089	mg/L	0.0050	0.00089	1		11/16/21 14:20	95-49-8	
4-Chlorotoluene	<0.00089	mg/L	0.0050	0.00089	1		11/16/21 14:20	106-43-4	
1,2-Dibromo-3-chloropropane	<0.0024	mg/L	0.0050	0.0024	1		11/16/21 14:20	96-12-8	
Dibromochloromethane	<0.0026	mg/L	0.0050	0.0026	1		11/16/21 14:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.00031	mg/L	0.0010	0.00031	1		11/16/21 14:20	106-93-4	
Dibromomethane	<0.00099	mg/L	0.0050	0.00099	1		11/16/21 14:20	74-95-3	
1,2-Dichlorobenzene	<0.00033	mg/L	0.0010	0.00033	1		11/16/21 14:20	95-50-1	
1,3-Dichlorobenzene	<0.00035	mg/L	0.0010	0.00035	1		11/16/21 14:20	541-73-1	
1,4-Dichlorobenzene	<0.00089	mg/L	0.0010	0.00089	1		11/16/21 14:20	106-46-7	
Dichlorodifluoromethane	<0.00046	mg/L	0.0050	0.00046	1		11/16/21 14:20	75-71-8	
1,1-Dichloroethane	<0.00030	mg/L	0.0010	0.00030	1		11/16/21 14:20	75-34-3	
1,2-Dichloroethane	<0.00029	mg/L	0.0010	0.00029	1		11/16/21 14:20	107-06-2	
1,1-Dichloroethene	<0.00058	mg/L	0.0010	0.00058	1		11/16/21 14:20	75-35-4	
cis-1,2-Dichloroethene	<0.00047	mg/L	0.0010	0.00047	1		11/16/21 14:20	156-59-2	
trans-1,2-Dichloroethene	<0.00053	mg/L	0.0010	0.00053	1		11/16/21 14:20	156-60-5	
1,2-Dichloropropane	<0.00045	mg/L	0.0010	0.00045	1		11/16/21 14:20	78-87-5	
1,3-Dichloropropane	<0.00030	mg/L	0.0010	0.00030	1		11/16/21 14:20	142-28-9	
2,2-Dichloropropane	<0.0042	mg/L	0.0050	0.0042	1		11/16/21 14:20	594-20-7	
1,1-Dichloropropene	<0.00041	mg/L	0.0010	0.00041	1		11/16/21 14:20	563-58-6	
cis-1,3-Dichloropropene	<0.00036	mg/L	0.0010	0.00036	1		11/16/21 14:20	10061-01-5	
trans-1,3-Dichloropropene	<0.0035	mg/L	0.0050	0.0035	1		11/16/21 14:20	10061-02-6	
Diisopropyl ether	<0.0011	mg/L	0.0050	0.0011	1		11/16/21 14:20	108-20-3	
Ethylbenzene	<0.00033	mg/L	0.0010	0.00033	1		11/16/21 14:20	100-41-4	
Hexachloro-1,3-butadiene	<0.0027	mg/L	0.0050	0.0027	1		11/16/21 14:20	87-68-3	
Isopropylbenzene (Cumene)	<0.0010	mg/L	0.0050	0.0010	1		11/16/21 14:20	98-82-8	
p-Isopropyltoluene	<0.0010	mg/L	0.0050	0.0010	1		11/16/21 14:20	99-87-6	
Methylene Chloride	<0.00032	mg/L	0.0050	0.00032	1		11/16/21 14:20	75-09-2	
Methyl-tert-butyl ether	<0.0011	mg/L	0.0050	0.0011	1		11/16/21 14:20	1634-04-4	
Naphthalene	<0.0011	mg/L	0.0050	0.0011	1		11/16/21 14:20	91-20-3	
n-Propylbenzene	<0.00035	mg/L	0.0010	0.00035	1		11/16/21 14:20	103-65-1	
Styrene	<0.00036	mg/L	0.0010	0.00036	1		11/16/21 14:20	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

Sample: MW-5 **Lab ID: 40236973001** Collected: 11/11/21 09:15 Received: 11/13/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.00036	mg/L	0.0010	0.00036	1		11/16/21 14:20	630-20-6	
1,1,2,2-Tetrachloroethane	<0.00038	mg/L	0.0010	0.00038	1		11/16/21 14:20	79-34-5	
Tetrachloroethene	0.024	mg/L	0.0010	0.00041	1		11/16/21 14:20	127-18-4	
Toluene	<0.00029	mg/L	0.0010	0.00029	1		11/16/21 14:20	108-88-3	
1,2,3-Trichlorobenzene	<0.0010	mg/L	0.0050	0.0010	1		11/16/21 14:20	87-61-6	
1,2,4-Trichlorobenzene	<0.00095	mg/L	0.0050	0.00095	1		11/16/21 14:20	120-82-1	
1,1,1-Trichloroethane	0.00078J	mg/L	0.0010	0.00030	1		11/16/21 14:20	71-55-6	
1,1,2-Trichloroethane	<0.00034	mg/L	0.0050	0.00034	1		11/16/21 14:20	79-00-5	
Trichloroethene	0.00034J	mg/L	0.0010	0.00032	1		11/16/21 14:20	79-01-6	
Trichlorofluoromethane	<0.00042	mg/L	0.0010	0.00042	1		11/16/21 14:20	75-69-4	
1,2,3-Trichloropropane	<0.00056	mg/L	0.0050	0.00056	1		11/16/21 14:20	96-18-4	
1,2,4-Trimethylbenzene	<0.00045	mg/L	0.0010	0.00045	1		11/16/21 14:20	95-63-6	
1,3,5-Trimethylbenzene	<0.00036	mg/L	0.0010	0.00036	1		11/16/21 14:20	108-67-8	
Vinyl chloride	<0.00017	mg/L	0.0010	0.00017	1		11/16/21 14:20	75-01-4	
m&p-Xylene	<0.00070	mg/L	0.0020	0.00070	1		11/16/21 14:20	179601-23-1	
o-Xylene	<0.00035	mg/L	0.0010	0.00035	1		11/16/21 14:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		11/16/21 14:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/16/21 14:20	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		11/16/21 14:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

Sample: MW-4 **Lab ID: 40236973002** Collected: 11/11/21 08:55 Received: 11/13/21 08:50 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	0.13	mg/L	0.0048	0.0013	100	11/18/21 08:43	11/19/21 08:23	83-32-9	
Acenaphthylene	0.049	mg/L	0.0048	0.0012	100	11/18/21 08:43	11/19/21 08:23	208-96-8	
Anthracene	0.095	mg/L	0.0048	0.0018	100	11/18/21 08:43	11/19/21 08:23	120-12-7	
Benzo(a)anthracene	0.0055	mg/L	0.0048	0.0013	100	11/18/21 08:43	11/19/21 08:23	56-55-3	
Benzo(a)pyrene	0.0024J	mg/L	0.0048	0.0019	100	11/18/21 08:43	11/19/21 08:23	50-32-8	
Benzo(b)fluoranthene	0.0035J	mg/L	0.0048	0.0019	100	11/18/21 08:43	11/19/21 08:23	205-99-2	
Benzo(g,h,i)perylene	<0.0022	mg/L	0.0048	0.0022	100	11/18/21 08:43	11/19/21 08:23	191-24-2	
Benzo(k)fluoranthene	<0.0021	mg/L	0.0048	0.0021	100	11/18/21 08:43	11/19/21 08:23	207-08-9	
Chrysene	0.016	mg/L	0.0048	0.0025	100	11/18/21 08:43	11/19/21 08:23	218-01-9	
Dibenz(a,h)anthracene	<0.0017	mg/L	0.0048	0.0017	100	11/18/21 08:43	11/19/21 08:23	53-70-3	
Fluoranthene	0.025	mg/L	0.0048	0.0025	100	11/18/21 08:43	11/19/21 08:23	206-44-0	
Fluorene	0.26	mg/L	0.0048	0.0022	100	11/18/21 08:43	11/19/21 08:23	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0015	mg/L	0.0048	0.0015	100	11/18/21 08:43	11/19/21 08:23	193-39-5	
1-Methylnaphthalene	0.28	mg/L	0.0048	0.0017	100	11/18/21 08:43	11/19/21 08:23	90-12-0	L2
2-Methylnaphthalene	0.0097	mg/L	0.0048	0.0013	100	11/18/21 08:43	11/19/21 08:23	91-57-6	B
Naphthalene	0.089	mg/L	0.0048	0.0019	100	11/18/21 08:43	11/19/21 08:23	91-20-3	
Phenanthrene	0.47	mg/L	0.0048	0.0024	100	11/18/21 08:43	11/19/21 08:23	85-01-8	
Pyrene	0.11	mg/L	0.0048	0.0022	100	11/18/21 08:43	11/19/21 08:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	0	%	10-113		100	11/18/21 08:43	11/19/21 08:23	321-60-8	S4
Terphenyl-d14 (S)	0	%	28-124		100	11/18/21 08:43	11/19/21 08:23	1718-51-0	S4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

Sample: MW-3 **Lab ID: 40236973003** Collected: 11/11/21 09:45 Received: 11/13/21 08:50 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	0.00010	mg/L	0.000047	0.000013	1	11/18/21 08:43	11/19/21 08:42	83-32-9	
Acenaphthylene	0.000060	mg/L	0.000047	0.000012	1	11/18/21 08:43	11/19/21 08:42	208-96-8	
Anthracene	0.00031	mg/L	0.000047	0.000017	1	11/18/21 08:43	11/19/21 08:42	120-12-7	
Benzo(a)anthracene	0.00028	mg/L	0.000047	0.000013	1	11/18/21 08:43	11/19/21 08:42	56-55-3	
Benzo(a)pyrene	0.00080	mg/L	0.000047	0.000018	1	11/18/21 08:43	11/19/21 08:42	50-32-8	
Benzo(b)fluoranthene	0.0022	mg/L	0.000047	0.000018	1	11/18/21 08:43	11/19/21 08:42	205-99-2	
Benzo(g,h,i)perylene	0.0013	mg/L	0.000047	0.000022	1	11/18/21 08:43	11/19/21 08:42	191-24-2	
Benzo(k)fluoranthene	0.00077	mg/L	0.000047	0.000021	1	11/18/21 08:43	11/19/21 08:42	207-08-9	
Chrysene	0.0015	mg/L	0.000047	0.000025	1	11/18/21 08:43	11/19/21 08:42	218-01-9	
Dibenz(a,h)anthracene	0.00017	mg/L	0.000047	0.000017	1	11/18/21 08:43	11/19/21 08:42	53-70-3	
Fluoranthene	0.0029	mg/L	0.000047	0.000025	1	11/18/21 08:43	11/19/21 08:42	206-44-0	
Fluorene	0.000080	mg/L	0.000047	0.000022	1	11/18/21 08:43	11/19/21 08:42	86-73-7	
Indeno(1,2,3-cd)pyrene	0.00095	mg/L	0.000047	0.000015	1	11/18/21 08:43	11/19/21 08:42	193-39-5	
1-Methylnaphthalene	0.000042J	mg/L	0.000047	0.000017	1	11/18/21 08:43	11/19/21 08:42	90-12-0	B,L2
2-Methylnaphthalene	<0.000013	mg/L	0.000047	0.000013	1	11/18/21 08:43	11/19/21 08:42	91-57-6	
Naphthalene	<0.000019	mg/L	0.000047	0.000019	1	11/18/21 08:43	11/19/21 08:42	91-20-3	
Phenanthrene	0.00084	mg/L	0.000047	0.000024	1	11/18/21 08:43	11/19/21 08:42	85-01-8	
Pyrene	0.0018	mg/L	0.000047	0.000021	1	11/18/21 08:43	11/19/21 08:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	10-113		1	11/18/21 08:43	11/19/21 08:42	321-60-8	
Terphenyl-d14 (S)	68	%	28-124		1	11/18/21 08:43	11/19/21 08:42	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

QC Batch: 401644 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40236973001

METHOD BLANK: 2320077 Matrix: Water
Associated Lab Samples: 40236973001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	<0.00036	0.0010	11/16/21 08:12	
1,1,1-Trichloroethane	mg/L	<0.00030	0.0010	11/16/21 08:12	
1,1,2,2-Tetrachloroethane	mg/L	<0.00038	0.0010	11/16/21 08:12	
1,1,2-Trichloroethane	mg/L	<0.00034	0.0050	11/16/21 08:12	
1,1-Dichloroethane	mg/L	<0.00030	0.0010	11/16/21 08:12	
1,1-Dichloroethene	mg/L	<0.00058	0.0010	11/16/21 08:12	
1,1-Dichloropropene	mg/L	<0.00041	0.0010	11/16/21 08:12	
1,2,3-Trichlorobenzene	mg/L	<0.0010	0.0050	11/16/21 08:12	
1,2,3-Trichloropropane	mg/L	<0.00056	0.0050	11/16/21 08:12	
1,2,4-Trichlorobenzene	mg/L	<0.00095	0.0050	11/16/21 08:12	
1,2,4-Trimethylbenzene	mg/L	<0.00045	0.0010	11/16/21 08:12	
1,2-Dibromo-3-chloropropane	mg/L	<0.0024	0.0050	11/16/21 08:12	
1,2-Dibromoethane (EDB)	mg/L	<0.00031	0.0010	11/16/21 08:12	
1,2-Dichlorobenzene	mg/L	<0.00033	0.0010	11/16/21 08:12	
1,2-Dichloroethane	mg/L	<0.00029	0.0010	11/16/21 08:12	
1,2-Dichloropropane	mg/L	<0.00045	0.0010	11/16/21 08:12	
1,3,5-Trimethylbenzene	mg/L	<0.00036	0.0010	11/16/21 08:12	
1,3-Dichlorobenzene	mg/L	<0.00035	0.0010	11/16/21 08:12	
1,3-Dichloropropane	mg/L	<0.00030	0.0010	11/16/21 08:12	
1,4-Dichlorobenzene	mg/L	<0.00089	0.0010	11/16/21 08:12	
2,2-Dichloropropane	mg/L	<0.0042	0.0050	11/16/21 08:12	
2-Chlorotoluene	mg/L	<0.00089	0.0050	11/16/21 08:12	
4-Chlorotoluene	mg/L	<0.00089	0.0050	11/16/21 08:12	
Benzene	mg/L	<0.00030	0.0010	11/16/21 08:12	
Bromobenzene	mg/L	<0.00036	0.0010	11/16/21 08:12	
Bromochloromethane	mg/L	<0.00036	0.0050	11/16/21 08:12	
Bromodichloromethane	mg/L	<0.00042	0.0010	11/16/21 08:12	
Bromoform	mg/L	<0.0038	0.0050	11/16/21 08:12	
Bromomethane	mg/L	<0.0012	0.0050	11/16/21 08:12	
Carbon tetrachloride	mg/L	<0.00037	0.0010	11/16/21 08:12	
Chlorobenzene	mg/L	<0.00086	0.0010	11/16/21 08:12	
Chloroethane	mg/L	<0.0014	0.0050	11/16/21 08:12	
Chloroform	mg/L	<0.0012	0.0050	11/16/21 08:12	
Chloromethane	mg/L	<0.0016	0.0050	11/16/21 08:12	
cis-1,2-Dichloroethene	mg/L	<0.00047	0.0010	11/16/21 08:12	
cis-1,3-Dichloropropene	mg/L	<0.00036	0.0010	11/16/21 08:12	
Dibromochloromethane	mg/L	<0.0026	0.0050	11/16/21 08:12	
Dibromomethane	mg/L	<0.00099	0.0050	11/16/21 08:12	
Dichlorodifluoromethane	mg/L	<0.00046	0.0050	11/16/21 08:12	
Diisopropyl ether	mg/L	<0.0011	0.0050	11/16/21 08:12	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

METHOD BLANK: 2320077

Matrix: Water

Associated Lab Samples: 40236973001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/L	<0.00033	0.0010	11/16/21 08:12	
Hexachloro-1,3-butadiene	mg/L	<0.0027	0.0050	11/16/21 08:12	
Isopropylbenzene (Cumene)	mg/L	<0.0010	0.0050	11/16/21 08:12	
m&p-Xylene	mg/L	<0.00070	0.0020	11/16/21 08:12	
Methyl-tert-butyl ether	mg/L	<0.0011	0.0050	11/16/21 08:12	
Methylene Chloride	mg/L	<0.00032	0.0050	11/16/21 08:12	
n-Butylbenzene	mg/L	<0.00086	0.0010	11/16/21 08:12	
n-Propylbenzene	mg/L	<0.00035	0.0010	11/16/21 08:12	
Naphthalene	mg/L	<0.0011	0.0050	11/16/21 08:12	
o-Xylene	mg/L	<0.00035	0.0010	11/16/21 08:12	
p-Isopropyltoluene	mg/L	<0.0010	0.0050	11/16/21 08:12	
sec-Butylbenzene	mg/L	<0.00042	0.0010	11/16/21 08:12	
Styrene	mg/L	<0.00036	0.0010	11/16/21 08:12	
tert-Butylbenzene	mg/L	<0.00059	0.0010	11/16/21 08:12	
Tetrachloroethene	mg/L	<0.00041	0.0010	11/16/21 08:12	
Toluene	mg/L	<0.00029	0.0010	11/16/21 08:12	
trans-1,2-Dichloroethene	mg/L	<0.00053	0.0010	11/16/21 08:12	
trans-1,3-Dichloropropene	mg/L	<0.0035	0.0050	11/16/21 08:12	
Trichloroethene	mg/L	<0.00032	0.0010	11/16/21 08:12	
Trichlorofluoromethane	mg/L	<0.00042	0.0010	11/16/21 08:12	
Vinyl chloride	mg/L	<0.00017	0.0010	11/16/21 08:12	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	11/16/21 08:12	
4-Bromofluorobenzene (S)	%	97	70-130	11/16/21 08:12	
Toluene-d8 (S)	%	99	70-130	11/16/21 08:12	

LABORATORY CONTROL SAMPLE: 2320078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	0.05	0.053	107	70-130	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.049	99	66-130	
1,1,2-Trichloroethane	mg/L	0.05	0.049	99	70-130	
1,1-Dichloroethane	mg/L	0.05	0.054	109	68-132	
1,1-Dichloroethene	mg/L	0.05	0.052	103	85-126	
1,2,4-Trichlorobenzene	mg/L	0.05	0.046	92	70-130	
1,2-Dibromo-3-chloropropane	mg/L	0.05	0.048	96	51-126	
1,2-Dibromoethane (EDB)	mg/L	0.05	0.048	96	70-130	
1,2-Dichlorobenzene	mg/L	0.05	0.048	96	70-130	
1,2-Dichloroethane	mg/L	0.05	0.049	98	70-130	
1,2-Dichloropropane	mg/L	0.05	0.052	104	78-125	
1,3-Dichlorobenzene	mg/L	0.05	0.048	96	70-130	
1,4-Dichlorobenzene	mg/L	0.05	0.050	100	70-130	
Benzene	mg/L	0.05	0.051	103	70-132	
Bromodichloromethane	mg/L	0.05	0.050	99	70-130	
Bromoform	mg/L	0.05	0.043	86	65-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

LABORATORY CONTROL SAMPLE: 2320078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/L	0.05	0.024	49	44-128	
Carbon tetrachloride	mg/L	0.05	0.057	113	70-130	
Chlorobenzene	mg/L	0.05	0.052	104	70-130	
Chloroethane	mg/L	0.05	0.048	96	73-137	
Chloroform	mg/L	0.05	0.051	103	80-122	
Chloromethane	mg/L	0.05	0.035	70	27-148	
cis-1,2-Dichloroethene	mg/L	0.05	0.048	97	70-130	
cis-1,3-Dichloropropene	mg/L	0.05	0.048	95	70-130	
Dibromochloromethane	mg/L	0.05	0.047	95	70-130	
Dichlorodifluoromethane	mg/L	0.05	0.025	51	22-151	
Ethylbenzene	mg/L	0.05	0.053	107	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	0.044	89	66-130	
Methylene Chloride	mg/L	0.05	0.048	96	70-130	
o-Xylene	mg/L	0.05	0.053	105	70-130	
Styrene	mg/L	0.05	0.050	99	70-130	
Tetrachloroethene	mg/L	0.05	0.053	106	70-130	
Toluene	mg/L	0.05	0.051	101	80-121	
trans-1,2-Dichloroethene	mg/L	0.05	0.052	103	70-130	
trans-1,3-Dichloropropene	mg/L	0.05	0.044	88	58-125	
Trichloroethene	mg/L	0.05	0.051	102	70-130	
Trichlorofluoromethane	mg/L	0.05	0.049	97	84-148	
Vinyl chloride	mg/L	0.05	0.045	90	63-142	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2320443 2320444

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40236852002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	mg/L	<0.30 ug/L	0.05	0.05	0.052	0.054	104	107	70-130	3	20	
1,1,2,2-Tetrachloroethane	mg/L	<0.38 ug/L	0.05	0.05	0.049	0.049	98	99	66-130	1	20	
1,1,2-Trichloroethane	mg/L	<0.34 ug/L	0.05	0.05	0.048	0.050	95	99	70-130	4	20	
1,1-Dichloroethane	mg/L	<0.30 ug/L	0.05	0.05	0.053	0.055	105	109	68-132	4	20	
1,1-Dichloroethene	mg/L	<0.58 ug/L	0.05	0.05	0.051	0.051	101	103	76-132	1	20	
1,2,4-Trichlorobenzene	mg/L	<0.95 ug/L	0.05	0.05	0.047	0.048	94	96	70-130	2	20	
1,2-Dibromo-3-chloropropane	mg/L	<2.4 ug/L	0.05	0.05	0.045	0.047	91	94	51-126	4	20	
1,2-Dibromoethane (EDB)	mg/L	<0.31 ug/L	0.05	0.05	0.046	0.048	92	97	70-130	5	20	
1,2-Dichlorobenzene	mg/L	<0.33 ug/L	0.05	0.05	0.048	0.050	96	99	70-130	4	20	
1,2-Dichloroethane	mg/L	<0.29 ug/L	0.05	0.05	0.049	0.050	97	100	70-130	3	20	
1,2-Dichloropropane	mg/L	<0.45 ug/L	0.05	0.05	0.051	0.053	102	105	77-125	3	20	
1,3-Dichlorobenzene	mg/L	<0.35 ug/L	0.05	0.05	0.047	0.049	95	99	70-130	4	20	

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2320443		2320444		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40236852002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,4-Dichlorobenzene	mg/L	<0.89 ug/L	0.05	0.05	0.048	0.051	97	102	70-130	5	20		
Benzene	mg/L	<0.30 ug/L	0.05	0.05	0.050	0.052	100	104	70-132	4	20		
Bromodichloromethane	mg/L	<0.42 ug/L	0.05	0.05	0.048	0.050	96	101	70-130	5	20		
Bromoform	mg/L	<3.8 ug/L	0.05	0.05	0.041	0.044	83	87	65-130	5	20		
Bromomethane	mg/L	<1.2 ug/L	0.05	0.05	0.029	0.034	59	67	44-128	14	21		
Carbon tetrachloride	mg/L	<0.37 ug/L	0.05	0.05	0.053	0.057	106	113	70-132	7	20		
Chlorobenzene	mg/L	<0.86 ug/L	0.05	0.05	0.048	0.052	97	103	70-130	7	20		
Chloroethane	mg/L	<1.4 ug/L	0.05	0.05	0.045	0.047	90	94	70-137	4	20		
Chloroform	mg/L	<1.2 ug/L	0.05	0.05	0.050	0.052	100	104	80-122	5	20		
Chloromethane	mg/L	<1.6 ug/L	0.05	0.05	0.034	0.035	68	70	17-149	4	20		
cis-1,2-Dichloroethene	mg/L	<0.47 ug/L	0.05	0.05	0.048	0.050	96	99	70-130	3	20		
cis-1,3-Dichloropropene	mg/L	<0.36 ug/L	0.05	0.05	0.047	0.048	93	97	70-130	4	20		
Dibromochloromethane	mg/L	<2.6 ug/L	0.05	0.05	0.046	0.048	92	96	70-130	4	20		
Dichlorodifluoromethane	mg/L	<0.46 ug/L	0.05	0.05	0.024	0.025	48	50	22-158	3	20		
Ethylbenzene	mg/L	<0.33 ug/L	0.05	0.05	0.050	0.053	100	105	80-123	5	20		
Isopropylbenzene (Cumene)	mg/L	<1.0 ug/L	0.05	0.05	0.054	0.058	107	115	70-130	7	20		
m&p-Xylene	mg/L	<0.70 ug/L	0.1	0.1	0.10	0.11	100	107	70-130	7	20		
Methyl-tert-butyl ether	mg/L	<1.1 ug/L	0.05	0.05	0.044	0.046	88	91	66-130	4	20		
Methylene Chloride	mg/L	<0.32 ug/L	0.05	0.05	0.048	0.050	95	100	70-130	4	20		
o-Xylene	mg/L	<0.35 ug/L	0.05	0.05	0.050	0.053	100	105	70-130	5	20		
Styrene	mg/L	<0.36 ug/L	0.05	0.05	0.047	0.049	94	99	70-130	5	20		
Tetrachloroethene	mg/L	<0.41 ug/L	0.05	0.05	0.050	0.053	100	105	70-130	6	20		
Toluene	mg/L	<0.29 ug/L	0.05	0.05	0.048	0.051	95	101	80-121	7	20		
trans-1,2-Dichloroethene	mg/L	<0.53 ug/L	0.05	0.05	0.051	0.053	101	105	70-134	4	20		
trans-1,3-Dichloropropene	mg/L	<3.5 ug/L	0.05	0.05	0.043	0.045	86	90	58-130	5	20		
Trichloroethene	mg/L	<0.32 ug/L	0.05	0.05	0.049	0.051	98	102	70-130	4	20		
Trichlorofluoromethane	mg/L	<0.42 ug/L	0.05	0.05	0.047	0.047	93	95	82-151	2	20		
Vinyl chloride	mg/L	<0.17 ug/L	0.05	0.05	0.043	0.045	86	90	61-143	5	20		
1,2-Dichlorobenzene-d4 (S)	%						99	98	70-130				
4-Bromofluorobenzene (S)	%						102	100	70-130				
Toluene-d8 (S)	%						100	101	70-130				

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40236973

QC Batch: 402125 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: 40236973002, 40236973003

METHOD BLANK: 2322368 Matrix: Water

Associated Lab Samples: 40236973002, 40236973003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/L	0.000019J	0.000050	11/18/21 13:04	
2-Methylnaphthalene	mg/L	0.000045J	0.000050	11/18/21 13:04	
Acenaphthene	mg/L	<0.000014	0.000050	11/18/21 13:04	
Acenaphthylene	mg/L	<0.000013	0.000050	11/18/21 13:04	
Anthracene	mg/L	<0.000018	0.000050	11/18/21 13:04	
Benzo(a)anthracene	mg/L	<0.000014	0.000050	11/18/21 13:04	
Benzo(a)pyrene	mg/L	<0.000020	0.000050	11/18/21 13:04	
Benzo(b)fluoranthene	mg/L	<0.000020	0.000050	11/18/21 13:04	
Benzo(g,h,i)perylene	mg/L	<0.000023	0.000050	11/18/21 13:04	
Benzo(k)fluoranthene	mg/L	<0.000022	0.000050	11/18/21 13:04	
Chrysene	mg/L	<0.000027	0.000050	11/18/21 13:04	
Dibenz(a,h)anthracene	mg/L	<0.000018	0.000050	11/18/21 13:04	
Fluoranthene	mg/L	<0.000026	0.000050	11/18/21 13:04	
Fluorene	mg/L	<0.000024	0.000050	11/18/21 13:04	
Indeno(1,2,3-cd)pyrene	mg/L	<0.000016	0.000050	11/18/21 13:04	
Naphthalene	mg/L	<0.000020	0.000050	11/18/21 13:04	
Phenanthrene	mg/L	<0.000026	0.000050	11/18/21 13:04	
Pyrene	mg/L	<0.000023	0.000050	11/18/21 13:04	
2-Fluorobiphenyl (S)	%	73	10-113	11/18/21 13:04	
Terphenyl-d14 (S)	%	73	28-124	11/18/21 13:04	

LABORATORY CONTROL SAMPLE & LCSD: 2322369 2322370

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	0.0014	70	69	71-120	1	20	L2
2-Methylnaphthalene	mg/L	0.002	0.0014	0.0014	71	68	68-120	4	20	
Acenaphthene	mg/L	0.002	0.0015	0.0015	76	76	71-120	1	20	
Acenaphthylene	mg/L	0.002	0.0014	0.0014	71	71	68-120	0	20	
Anthracene	mg/L	0.002	0.0017	0.0016	83	81	51-99	2	20	
Benzo(a)anthracene	mg/L	0.002	0.0013	0.0013	66	65	52-92	1	20	
Benzo(a)pyrene	mg/L	0.002	0.0015	0.0015	75	77	61-105	3	20	
Benzo(b)fluoranthene	mg/L	0.002	0.0014	0.0014	70	70	57-102	0	20	
Benzo(g,h,i)perylene	mg/L	0.002	0.0016	0.0016	80	78	62-120	2	20	
Benzo(k)fluoranthene	mg/L	0.002	0.0016	0.0017	81	86	70-122	6	20	
Chrysene	mg/L	0.002	0.0019	0.0019	95	95	71-122	0	20	
Dibenz(a,h)anthracene	mg/L	0.002	0.0016	0.0016	79	80	41-101	2	20	
Fluoranthene	mg/L	0.002	0.0016	0.0016	78	79	67-116	1	20	
Fluorene	mg/L	0.002	0.0014	0.0015	72	73	71-120	1	20	
Indeno(1,2,3-cd)pyrene	mg/L	0.002	0.0015	0.0015	77	76	59-120	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

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE

Pace Project No.: 40236973

Parameter	Units	Spike Conc.	2322369		2322370		% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Naphthalene	mg/L	0.002	0.0014	0.0014	72	71	71-120	1	20	
Phenanthrene	mg/L	0.002	0.0014	0.0014	69	71	60-102	2	20	
Pyrene	mg/L	0.002	0.0015	0.0015	75	74	72-120	1	20	
2-Fluorobiphenyl (S)	%				67	67	10-113			
Terphenyl-d14 (S)	%				66	65	28-124			

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QUALIFIERS

Project: 6255 S. MILWAUKEE

Pace Project No.: 40236973

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: 402179

[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.

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

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 S. MILWAUKEE
Pace Project No.: 40236973

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40236973002	MW-4	EPA 3510	402125	EPA 8270E by SIM	402179
40236973003	MW-3	EPA 3510	402125	EPA 8270E by SIM	402179
40236973001	MW-5	EPA 8260	401644		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

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



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

40236973

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

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested
		VOLs
		PAHs

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

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		MATRIX	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
001	MW-5	11/11/21	9:15	GW	X		
002	MW-4	↓	8:55	↓	X		
003	MW-3	↓	9:45	↓	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: [Signature] Date/Time: 11/12/21 17:00
 Relinquished By: [Signature] Date/Time: 11/13/21 18:50
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 11/12/21 10:45 AM
 Received By: CS Logistics Date/Time: 11/12/21 19:00
 Received By: [Signature] Date/Time: 11/13/21 8:50
 Received By: _____ Date/Time: _____

PACE Project No. 40236973
 Receipt Temp = 1.1 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

Sample Preservation Receipt Form

Client Name: DAI

Project # 40236973

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	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																														2.5 / 5 / 10
003						2																														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
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014																																				2.5 / 5 / 10
015																																				2.5 / 5 / 10
016																																				2.5 / 5 / 10
017																																				2.5 / 5 / 10
018																																				2.5 / 5 / 10
019																																				2.5 / 5 / 10
020																																				2.5 / 5 / 10

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

AG1U	1 liter amber glass	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# : 40236973**



40236973

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: N/A

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

Cooler Temperature Uncorr: 1.0 /Corr: 1.1

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: 11/13/21 Initials: MP
Labeled By Initials: WC

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>WA</u>		
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: _____
