

June 15, 2020

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

**Re: *Quarterly Groundwater Sampling Report
(January 2020 Results)***
BRRTS #: 02-41-576336 & 02-41-579429
FID #: 241828620
Sunrise Shopping Center
2410-2424 10th Avenue & 1009 Marquette Avenue
South Milwaukee, Wisconsin 53172

Mr. Neumann:

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

A brief discussion of the quarterly sampling protocol and results of the January 2020 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 847-573-8900 extension 580. Thank you for your time.

Sincerely,
DAI Environmental, Inc.



Christopher Cailles, P.E.
Project Engineer

Enclosure

**QUARTERLY GROUNDWATER SAMPLING REPORT
(MAY 2020 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**

June 15, 2020

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 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 will document Tetrachloroethene (Perc) groundwater concentrations during and following the chemical injections as described in October 18, 2018, *Design Report Addendum/Remedial Action Plan* (RAP) approved by the WDNR in a letter dated December 19, 2018. Based upon the historical sampling results provided in the RAP, the quarterly groundwater sampling shall continue 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 SW8270 by HVI.

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 2020 groundwater sampling event. The static water level elevations were collected from all monitoring wells on May 5, 2020. Table A.6 in Attachment A provides a historical summary of groundwater elevation information.

Review of Table A.6 shows that the May 2020 groundwater elevations are approximately 0.5-ft to 1-ft higher than were observed in January 2020, and most of these groundwater elevations are the highest since April or May 2015. In general, monitoring wells MW-1 through MW-4 indicate the highest quarterly variability, while MW-5 and MW-201 fluctuate less between quarters. The highest static elevation differences are noted in monitoring wells MW-1 and MW-3, which are located in areas of the Site with known subsurface disturbance.

While some variability in elevation between quarters is noted, the groundwater flow direction is generally consistent. The groundwater flow direction along the southern half of the Site remains northwesterly, and a northerly groundwater flow direction is indicated along the northern half of the Site. The potentiometric surface map generated from the May 2020 data is included as Figure B.3.c.13 (see Attachment B).

3.2 Groundwater Analytical Results

Groundwater samples for the second quarter 2020 (i.e., April-June 2020) were collected on May 5, 2020, 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 second quarter 2020 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 consistently observed in monitoring well MW-5, with concentrations exceeding the Enforcement Standard of 0.005-mg/L. The Perc concentration in MW-5 was essentially equal in concentration in May 2020 (0.0088-mg/L) and January 2020 (0.0084-mg/L). Based upon historical recordings of PCE concentrations at this Site, an increase in concentration was noted between November 2014 and October 2018, followed by a higher variability in concentration though an overall declining trend. The chemical injection activities conducted in July 2018 and August 2019 appear to have contributed to the declining concentrations. 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 occasions; in January 2019 (0.0027-mg/L) and April 2019 (0.00071-mg/L). However, all subsequent TCE concentrations were below the PAL, with the most recent concentration from May 2020 of <0.00026-mg/L. Figure B.3.b.1b has been added to provide a historical summary of TCE groundwater concentrations.

Polynuclear Aromatic Hydrocarbons

Table A.1.B summarizes the results of the PAH analyses for MW-3 and MW-4. 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 is 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 May 2020 remain above the Enforcement Standards, but do show a further decrease from the previous quarter. 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 with time. However, these impacts are still limited to the area along the southern property boundary.

Several PAH constituent concentrations continue to exceed the Limit of Detection (LOD) in MW-4 (installed to the rear of the 2414B tenant space in the approximate location of a former heating oil UST). PAH concentrations in May 2020 decreased for Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene, but remain above the Enforcement Standards. Additionally PAL exceedances of Fluorene and Naphthalene were observed in May 2020, with concentrations increasing from the previous quarter. Fluorene has never been observed above the PAL in MW-4, and Naphthalene was last observed above the PAL in January 2018. A review of Table A.1.B shows that some of the PAH constituents decline in concentration, while other PAH constituents increase in concentration. The reason for this trend is not known.

4.0 SUMP WATER SAMPLING RESULTS

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

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

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 and the results of the sump water sampling will be provided in future quarterly sampling reports.

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 increasing with time until July 2018 when the pilot-scale chemical injection was performed. The Perc concentration measured in MW-5 in July 2018 indicated a reduction in concentration, demonstrating that the chemical injections helped reduce the Perc concentration in the area of MW-5. However, because not all the Perc contamination in the soil was removed during the pilot scale test, the groundwater Perc concentrations rebounded to levels above the Enforcement Standard. Since about October 2018 the Perc concentrations in MW-5 have been highly variable, but have generally declined with time. While no significant change in groundwater concentration was observed immediately following an additional chemical injection in the area of MW-5 in August 2019, the additional injection has contributed to the overall remediation.
- 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. Influent and effluent sampling will continue on a monthly basis.
- The PAH concentrations of Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene observed in MW-3 decreased from the January 2020 concentrations, but remain above the Enforcement Standards. Concentrations of Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene also declined for MW-4, but remained above the Enforcement Standard. The PAH concentrations in MW-4 increased and resulted in a PAL exceedances of Fluorene (first time) and Naphthalene (first since January 2018). The data continue to indicate high variability and appear to be largely influence by groundwater levels.
- The next quarterly sampling event is scheduled for July 2020.

**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	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)**

Polynuclear Aromatic	Sample Location (Sample Date)						PAL ¹	ES ²
	TW-5 (11/13/14)	MW-3 (01/27/15)	MW-3 (05/30/17)	MW-3 (01/05/18)	MW-3 (04/07/18)	MW-3 (07/30/18)		
Acenaphthene	0.00076	0.000043 (J)	0.000026 (J)	0.000077 (J)	0.000029	0.000014 (J)	NL	NL
Acenaphthylene	0.00013	0.000036 (J)	0.000016 (J)	<0.000045	0.000053	0.000023	NL	NL
Anthracene	0.00056	<0.000023	0.00013	0.000031 (J)	0.00015	0.000073	0.6	3
Benzo(a)anthracene	0.00069	<0.000031	0.00073	0.000069 (J)	0.001	0.00043	NL	NL
Benzo(a)pyrene	0.0006	0.000011 (J)	0.001	<0.000096	0.0019	0.00068	0.00002	0.0002
Benzo(b)fluoranthene	0.00077	0.00002 (J)	0.002	0.000037	0.0039	0.0013	0.00002	0.0002
Benzo(g,h,i)perylene	0.0004	0.000016 (J)	0.0011	0.00018 (J)	0.0025	0.00082	NL	NL
Benzo(k)fluoranthene	0.00029	0.00001 (J)	0.00068	0.000014 (J)	0.0014	0.00041	NL	NL
Chrysene	0.00084	0.000028 (J)	0.0015	0.000047 (J)	0.003	0.00095	0.00002	0.0002
Dibenzo(a,h)anthracene	0.000091	<0.000032	0.00022	<0.000091	0.00034	0.00015	NL	NL
Fluoranthene	0.0024	0.000041 (J)	0.0031	0.00021	0.0052	0.0019	0.08	0.4
Fluorene	0.0011	0.000035 (J)	0.000052	0.000022 (J)	0.000048	0.00004	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.0003	0.000081 (J)	0.00086	<0.000016	0.0021	0.00089	NL	NL
1-Methylnaphthalene	0.002	0.000091 (J)	0.00018	0.00016	0.000033	0.000033	NL	NL
2-Methylnaphthalene	0.00017	0.000084 (J)	0.00013	0.00016	0.000024	0.000031	NL	NL
Naphthalene	0.00016	<0.000056	0.00012	0.00046	0.000051	0.000053 (J)	0.017	0.1
Phenanthrene	0.0021	0.000043 (J)	0.00071	0.000085	0.0013	0.00047	NL	NL
Pyrene	0.0025	0.000059	0.002	0.00011	0.0037	0.0012	0.05	0.25

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

² – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

Bold – Concentration exceeds the PAL

Underlined – Concentration exceeds the PAL and the ES

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

NL – Not Listed in Wisconsin Administrative Code

PNAs via USEPA Method SW8270SIM

NOTE – MW-3 installed to duplicate TW-5

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

Polynuclear Aromatic	Sample Location (Sample Date)							PAL ¹	ES ²
	MW-3 (10/11/18)	MW-3 (01/25/19)	MW-3 (04/29/19)	MW-3 (07/07/19)	MW-3 (10/24/19)	MW-3 (01/17/20)	MW-3 (05/05/20)		
Acenaphthene	0.00001 (J)	0.0000068 (J)	0.0015	0.000023 (J)	0.00016	0.0003	0.000013 (J)	NL	NL
Acenaphthylene	<0.0000045	<0.0000047	0.0027	0.000084	0.00043	0.0002	0.00002 (J)	NL	NL
Anthracene	0.00002 (J)	0.000027 (J)	0.0089	0.00013	0.00088	0.00028	0.000086	0.6	3
Benzo(a)anthracene	0.000017 (J)	0.000053	0.11	0.00087	0.009	0.0042	0.00066	NL	NL
Benzo(a)pyrene	0.000024 (J)	0.00017	0.115	0.0019	0.015	0.0063	0.0011	0.00002	0.0002
Benzo(b)fluoranthene	0.000074	0.00034	0.209	0.0036	0.03	0.0104	0.0023	0.00002	0.0002
Benzo(g,h,i)perylene	0.000037	0.00023	0.132	0.0025	0.018	0.0072	0.0015	NL	NL
Benzo(k)fluoranthene	0.000026 (J)	0.00012	0.0643	0.0016	0.0095	0.004	0.00078	NL	NL
Chrysene	0.000079	0.00028	0.13	0.0026	0.016	0.0013	0.0012	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.000009	0.000034 (J)	0.0258	0.00028	0.0034	0.0117	0.00026	NL	NL
Fluoranthene	0.00026	0.00043	0.248	0.0035	0.025	0.0005	0.0018	0.08	0.4
Fluorene	0.000031 (J)	0.000014 (J)	0.0028	0.000037	0.00022	0.00004	0.000014 (J)	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.000027 (J)	0.00016	0.108	0.0019	0.014	0.0056	0.0012	NL	NL
1-Methylnaphthalene	0.000019 (J)	0.000013 (J)	0.0003	0.000011 (J)	--	0.00039	<0.0000057	NL	NL
2-Methylnaphthalene	0.000015 (J)	0.000012 (J)	0.00025	0.000014 (J)	--	0.000048	<0.0000048	NL	NL
Naphthalene	0.000032 (J)	0.000022 (J)	0.00035	0.000019 (J)	0.00015	0.0001	<0.000018	0.017	0.1
Phenanthrene	0.000093	0.00011	0.066	0.00079	0.0061	0.003	0.00046	NL	NL
Pyrene	0.0002	0.00031	0.21	0.0029	0.024	0.011	0.0015	0.05	0.25

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

² – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

Bold – Concentration exceeds the PAL

Underlined – Concentration exceeds the PAL and the ES

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

NL – Not Listed in Wisconsin Administrative Code

PNAs via USEPA Method SW8270SIM

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

Polynuclear Aromatic	Sample Location (Sample Date)						PAL ¹	ES ²
	TW-6 (11/13/14)	MW-4 (01/27/15)	MW-4 (02/23/16)	MW-4 (05/30/17)	MW-4 (01/05/18)	MW-4 (04/07/18)		
Acenaphthene	0.00049	0.0000039 (J)	0.00056	0.0386	0.0246	0.0031	NL	NL
Acenaphthylene	0.00012	0.000084	0.000073	0.0166	0.0083	0.00073	NL	NL
Anthracene	0.00006	0.00006	0.00011	0.0018 (J)	0.0019	0.00051	0.6	3
Benzo(a)anthracene	0.000013 (J)	<0.0000032	0.0000082 (J)	0.00044 (J)	<0.00014	0.000012 (J)	NL	NL
Benzo(a)pyrene	0.0000053 (J)	0.000017 (J)	0.000006 (J)	<0.00049	<0.0002	<0.0000095	0.00002	0.0002
Benzo(b)fluoranthene	0.0000093 (J)	0.000043 (J)	0.000014 (J)	<0.00027	0.00022 (J)	0.0000096 (J)	0.00002	0.0002
Benzo(g,h,i)perylene	0.0000071 (J)	0.000025 (J)	0.0000081 (J)	<0.00031	<0.00013	<0.0000061	NL	NL
Benzo(k)fluoranthene	<0.000005	0.000021 (J)	<0.0000051	<0.00035	<0.00014	<0.0000068	NL	NL
Chrysene	0.000021 (J)	0.000042 (J)	0.000017 (J)	0.0018 (J)	0.001 (J)	0.000031 (J)	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.0000035	<0.0000033	<0.0000051	<0.00046	<0.00019	<0.000009	NL	NL
Fluoranthene	0.00004 (J)	0.000049	0.00003 (J)	0.0037	0.0046	0.0001	0.08	0.4
Fluorene	0.00061	0.000031 (J)	0.00051	0.0759	0.0504	0.0053	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.0000044 (J)	0.000017 (J)	0.0000056 (J)	<0.00082	<0.00033	<0.000016	NL	NL
1-Methylnaphthalene	0.0087	0.000076	0.0041	0.357	0.183	0.0109	NL	NL
2-Methylnaphthalene	0.0065	0.000066	0.000037 (J)	0.0747	0.0126	0.00026	NL	NL
Naphthalene	0.0022	0.00027	0.00017	0.0243	0.0151	0.0022	0.01	0.1
Phenanthrene	0.00062	0.000033 (J)	0.00029	0.165	0.102	0.0033	NL	NL
Pyrene	0.00006	0.0001	0.000081	0.0165	0.0102	0.00032	0.05	0.25

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

² – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

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(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

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PNAs via USEPA Method SW8270SIM

NOTE – MW-4 installed to duplicate TW-6

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

Polynuclear Aromatic	Sample Location (Sample Date)						PAL ¹	ES ²
	MW-4 (07/30/18)	MW-4 (10/11/18)	MW-4 (01/25/19)	MW-4 (04/29/19)	MW-4 (07/07/19)	MW-4 (10/24/19)		
Acenaphthene	0.0021	0.004	0.0016	0.0033	0.0028	0.01	NL	NL
Acenaphthylene	0.00064	0.00091	0.00024	0.00059	0.0005	0.0029	NL	NL
Anthracene	0.00024	0.001	0.000093	0.00033	0.00044	0.0068	0.6	3
Benzo(a)anthracene	<0.000035	0.00004 (J)	0.0000076 (J)	0.000061	<0.000026	0.00069	NL	NL
Benzo(a)pyrene	<0.000048	<0.000029	<0.0000095	0.000041 (J)	<0.000037	0.00045	0.00002	0.0002
Benzo(b)fluoranthene	<0.000026	0.000022	0.000012 (J)	0.000093	<0.00002	0.00086	0.00002	0.0002
Benzo(g,h,i)perylene	<0.000031	<0.000018	<0.0000061	0.000045	<0.000024	0.00049	NL	NL
Benzo(k)fluoranthene	<0.000035	<0.000021	0.000016 (J)	0.00005	<0.000026	0.00038	NL	NL
Chrysene	<0.00006	0.000084 (J)	0.000033 (J)	0.00017	<0.000046	0.0016	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.000046	<0.000027	<0.000009	0.0000091 (J)	<0.000035	0.000074 (J)	NL	NL
Fluoranthene	0.000061 (J)	0.00019	0.000091	0.0004	0.00011 (J)	0.0026	0.08	0.4
Fluorene	0.0035	0.0067	0.0022	0.0046	0.0044	0.019	0.08	0.4
Indeno(1,2,3-cd)pyrene	<0.000081	<0.000048	<0.000016	0.00004 (J)	<0.000062	0.00033 (J)	NL	NL
1-Methylnaphthalene	0.0395	0.0268	0.006	0.0151	0.0174	--	NL	NL
2-Methylnaphthalene	0.00051	0.00021	0.000048	0.00026	0.00048	--	NL	NL
Naphthalene	0.0015	0.00081	0.00078	0.0014	0.0034	0.0026	0.01	0.1
Phenanthrene	0.0031	0.0059	0.00077	0.0037	0.0013	0.026	NL	NL
Pyrene	0.00017 (J)	0.0001	0.00021	0.0014	0.00037	0.0096	0.05	0.25

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

² – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

Bold – Concentration exceeds the PAL

Underlined – Concentration exceeds the PAL and the ES

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

NL – Not Listed in Wisconsin Administrative Code

PNAs via USEPA Method SW8270SIM

NOTE – MW-4 installed to duplicate TW-6

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

Polynuclear Aromatic	Sample Location (Sample Date)		PAL ¹	ES ²
	MW-4 (01/17/20)	MW-4 (05/05/20)		
Acenaphthene	0.0357	0.097	NL	NL
Acenaphthylene	0.0114	0.029	NL	NL
Anthracene	0.0063	0.014	0.6	3
Benzo(a)anthracene	0.0036	0.0016 (J)	NL	NL
Benzo(a)pyrene	0.0031	0.0012 (J)	0.00002	0.0002
Benzo(b)fluoranthene	0.0056	0.0032	0.00002	0.0002
Benzo(g,h,i)perylene	0.0032	0.0019	NL	NL
Benzo(k)fluoranthene	0.0022	0.00089 (J)	NL	NL
Chrysene	0.0074	0.005	0.00002	0.0002
Dibenzo(a,h)anthracene	0.000061 (J)	<0.00048	NL	NL
Fluoranthene	0.0128	0.015	0.08	0.4
Fluorene	0.0576	0.15	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.0025	0.00096 (J)	NL	NL
1-Methylnaphthalene	0.0947	0.24	NL	NL
2-Methylnaphthalene	0.0032	0.003	NL	NL
Naphthalene	0.0074	0.035	0.01	0.1
Phenanthrene	0.0992	0.26	NL	NL
Pyrene	0.0344	0.049	0.05	0.25

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

² – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1

Bold – Concentration exceeds the PAL

Underlined – Concentration exceeds the PAL and the ES

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

NL – Not Listed in Wisconsin Administrative Code

PNAs via USEPA Method SW8270SIM

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

Sample Location	Sample Date	Tetrachloroethene
Sump	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	<u>0.008</u>
	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	<u>0.006</u>	
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	05/05/20	1.80	14.49	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	05/05/20	6.24	14.41	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
MW-3	100.05	05/05/20	2.27	14.46	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

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-4	100.57	05/05/20	5.07	14.57	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
MW-5	100.24	05/05/20	5.83	14.60	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	05/05/20	6.44	14.57	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

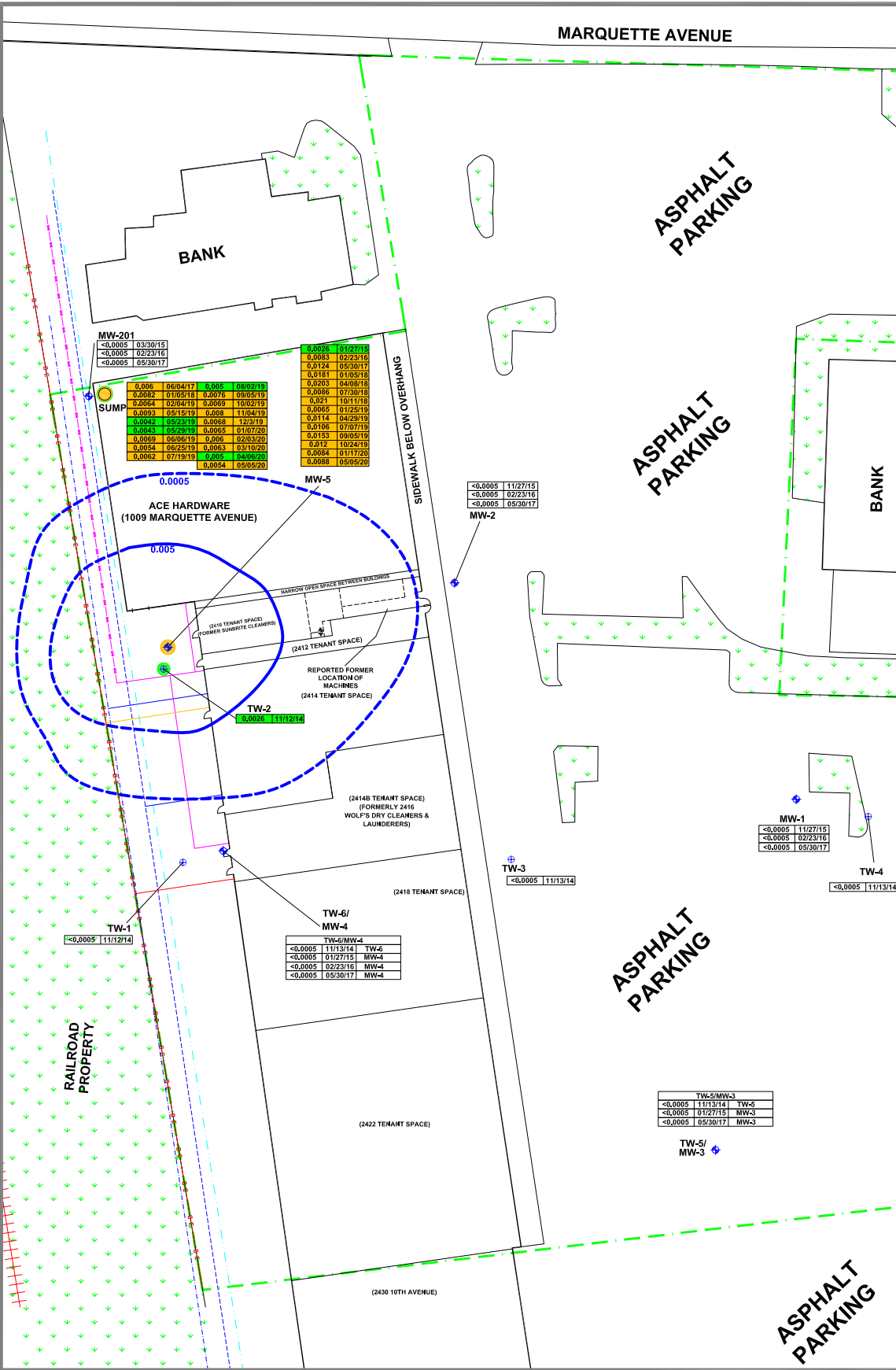
* – Relative Elevation based upon generic 100-ft on-site datum and survey data collected on January 27, 2015, and March 30, 2015.

APPENDIX B
FIGURES



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
 (2015 AERIAL TAKEN FROM GOOGLE EARTH)



LEGEND

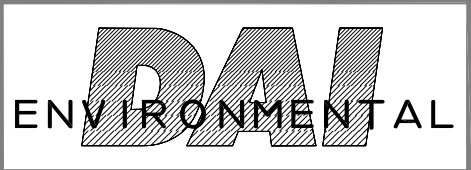
- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED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

PERC CONC. mg/L	SAMPLE DATE
<0.0005	11/13/14
<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)

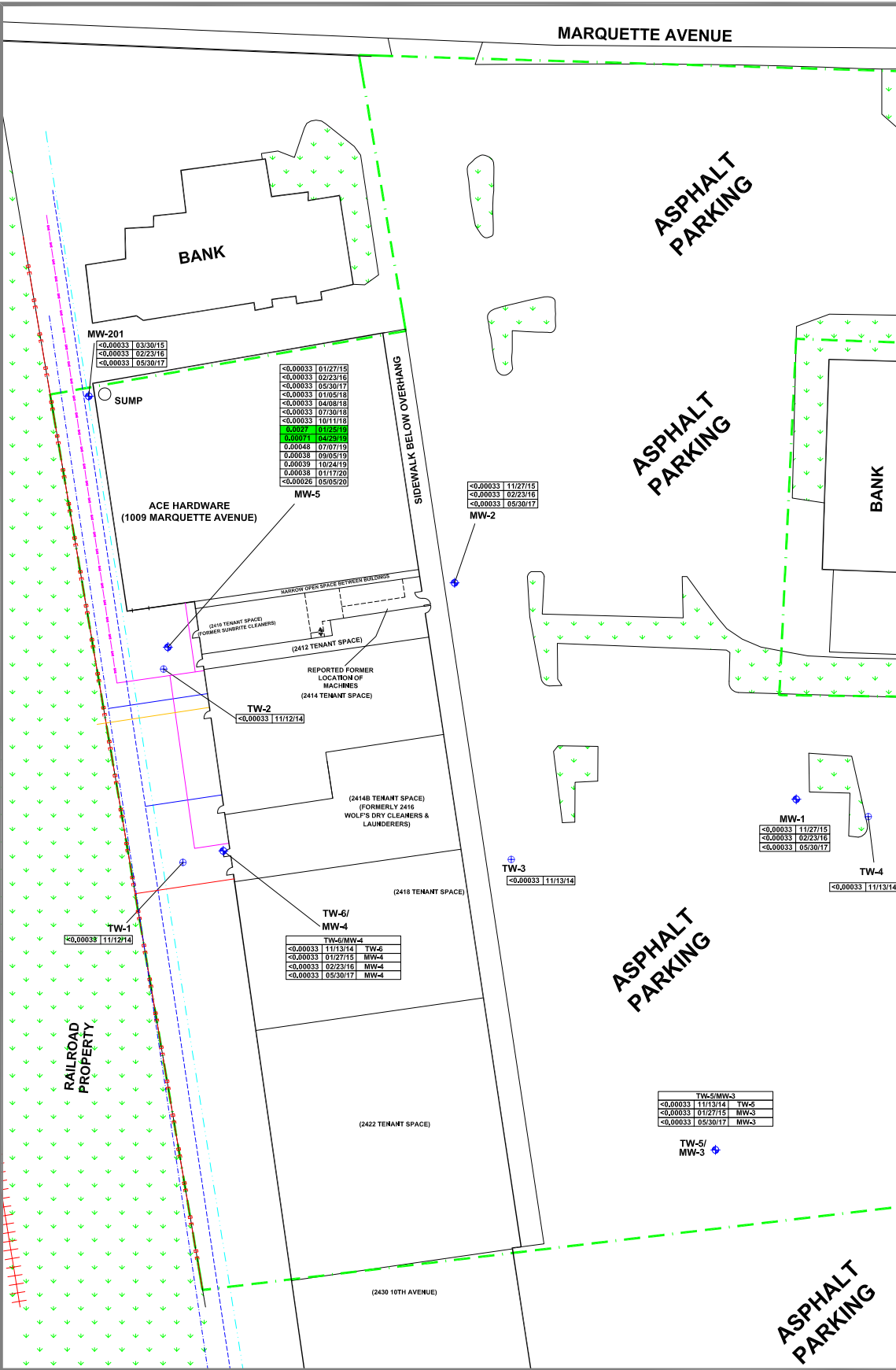
SCALE

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REVISED: 06/11/20



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

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



LEGEND

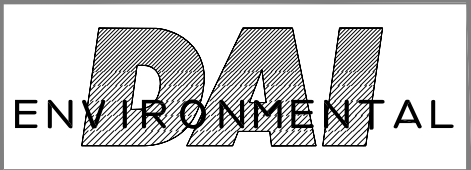
- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL 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' 65'

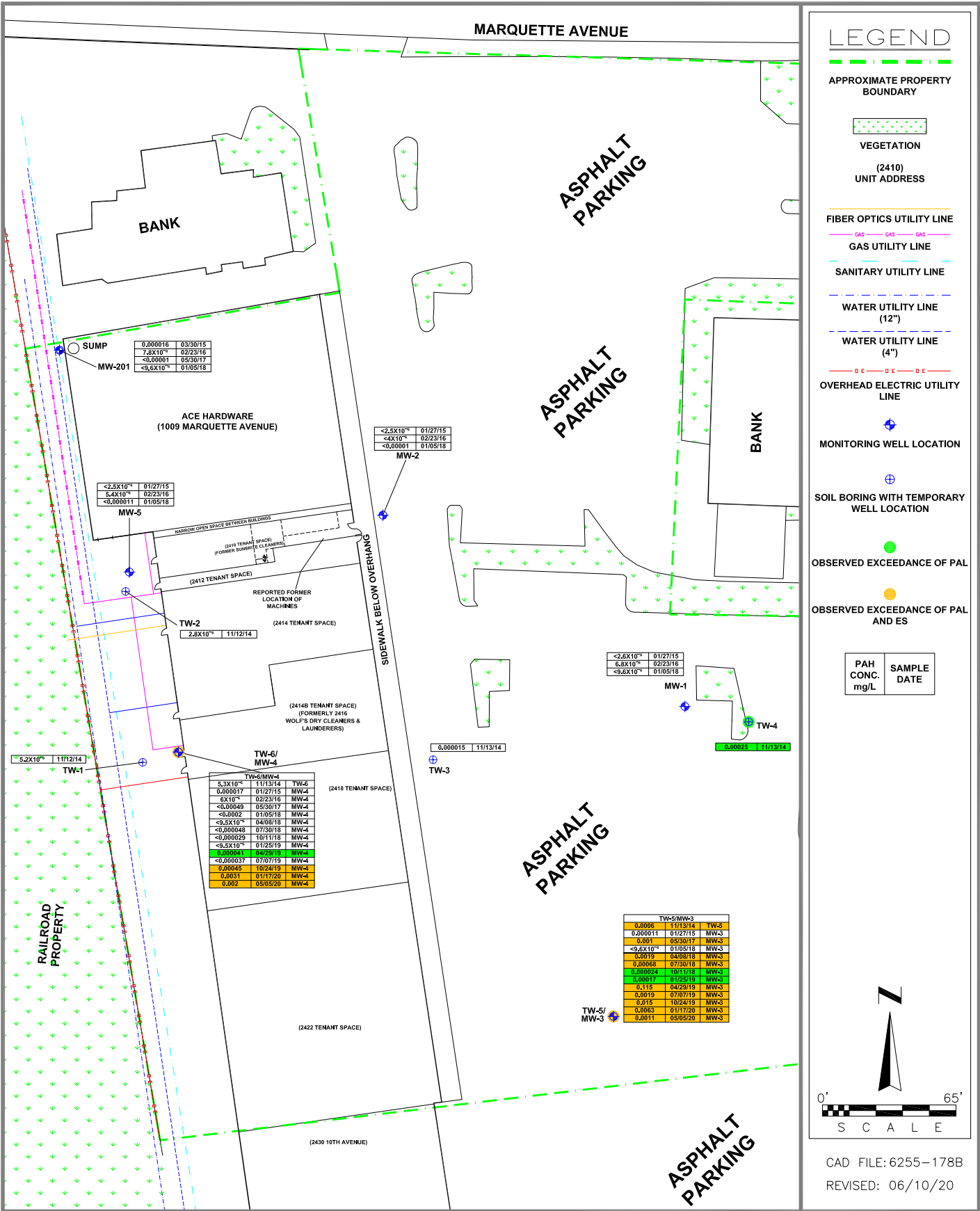
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REVISED: 06/11/20



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

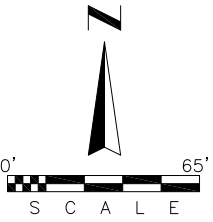
MONITORING WELL LOCATION

SOIL BORING WITH TEMPORARY WELL LOCATION

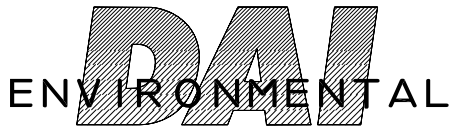
OBSERVED EXCEEDANCE OF PAL

OBSERVED EXCEEDANCE OF PAL AND ES

PAH CONC. mg/L	SAMPLE DATE
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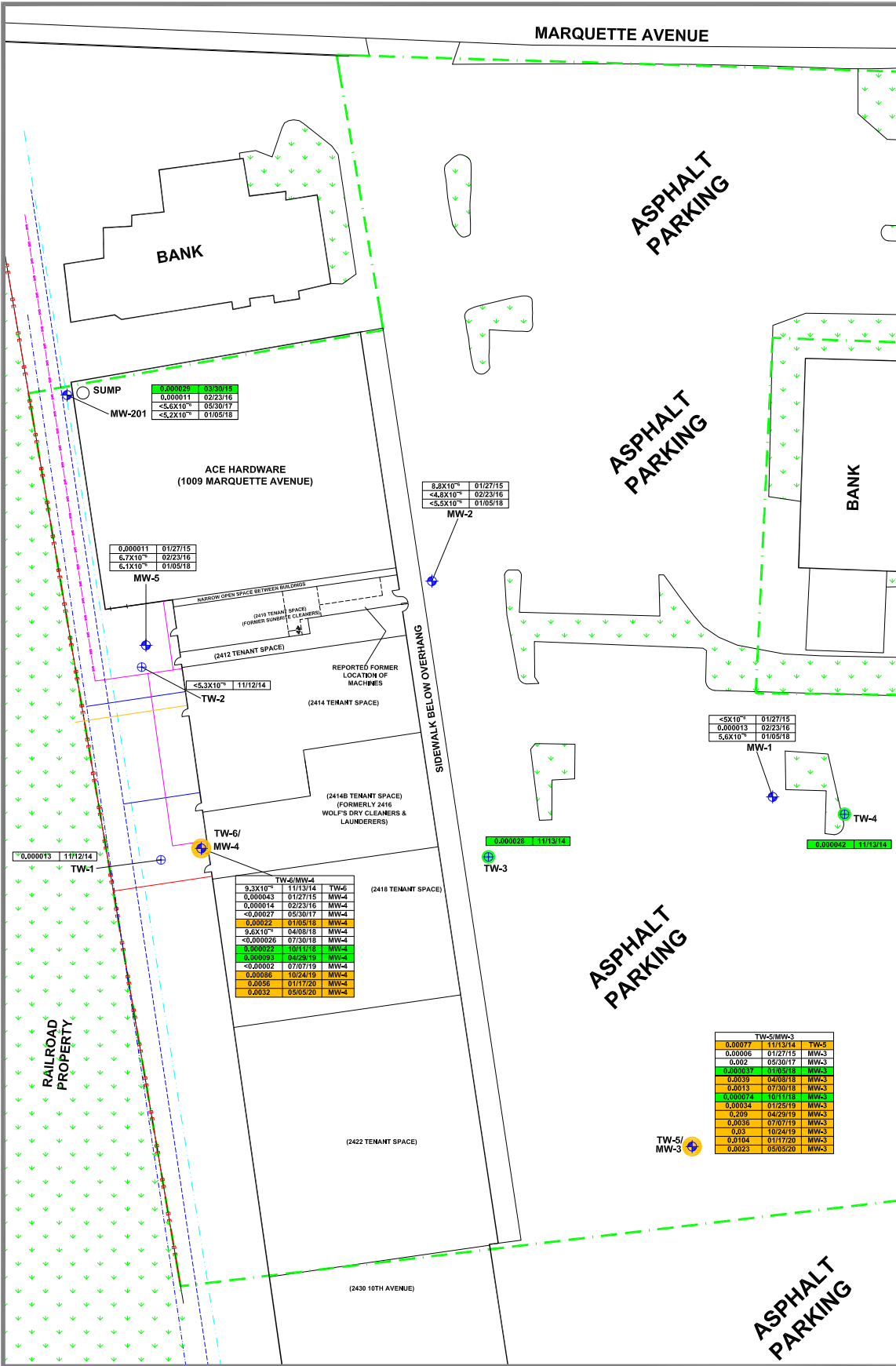


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REVISED: 06/10/20



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

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

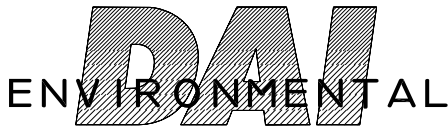


LEGEND

- 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
0.000028	11/13/14
0.000011	01/27/15
0.7X10 ⁻⁶	02/23/16
5.1X10 ⁻⁶	07/05/18
8.8X10 ⁻⁶	01/27/15
<4.8X10 ⁻⁶	02/23/16
<5.5X10 ⁻⁶	01/05/18
0.000011	01/27/15
0.7X10 ⁻⁶	02/23/16
5.1X10 ⁻⁶	07/05/18
<5.3X10 ⁻⁶	11/12/14
0.000013	11/12/14
0.000028	11/13/14
0.000062	11/13/14
0.000013	01/27/15
0.000013	02/23/16
5.6X10 ⁻⁶	01/05/18
0.000028	11/13/14
0.000022	10/11/18
0.000013	04/29/19
<0.00002	07/07/19
0.000086	10/24/19
0.00056	01/17/20
0.0032	05/05/20
0.000017	11/13/14
0.00006	01/27/15
0.002	05/30/17
0.0039	04/08/18
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
0.25	10/24/19
0.0104	01/17/20
0.0023	05/05/20

CAD FILE: 6255-179C
REVISED: 06/10/20



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
0.000042	03/20/15
0.000016	02/23/16
0.000015	05/30/17
<0.000012	01/05/18

PAH CONC. mg/L	SAMPLE DATE
0.000018	01/27/15
6.8X10 ⁻⁵	02/23/16
<0.000013	01/05/18

PAH CONC. mg/L	SAMPLE DATE
0.000015	01/27/15
5.4X10 ⁻⁵	02/23/16
<0.000013	01/05/18

PAH CONC. mg/L	SAMPLE DATE
0.000012	11/12/14

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

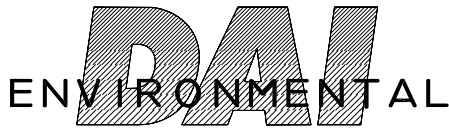
PAH CONC. mg/L	SAMPLE DATE
0.000032	11/13/14

PAH CONC. mg/L	SAMPLE DATE
0.000056	11/13/14

PAH CONC. mg/L	SAMPLE DATE
0.000016	11/12/14

PAH CONC. mg/L	SAMPLE DATE
0.000021	11/13/14
0.000047	07/27/15
0.000017	02/23/16
0.0018	05/30/17
0.001	01/05/18
0.000031	04/08/18
<0.000006	07/30/18
0.000008	10/19/18
0.000033	01/25/19
0.000017	04/29/19
<0.000046	07/07/19
0.0016	10/24/19
0.0074	01/17/20
0.005	01/17/20

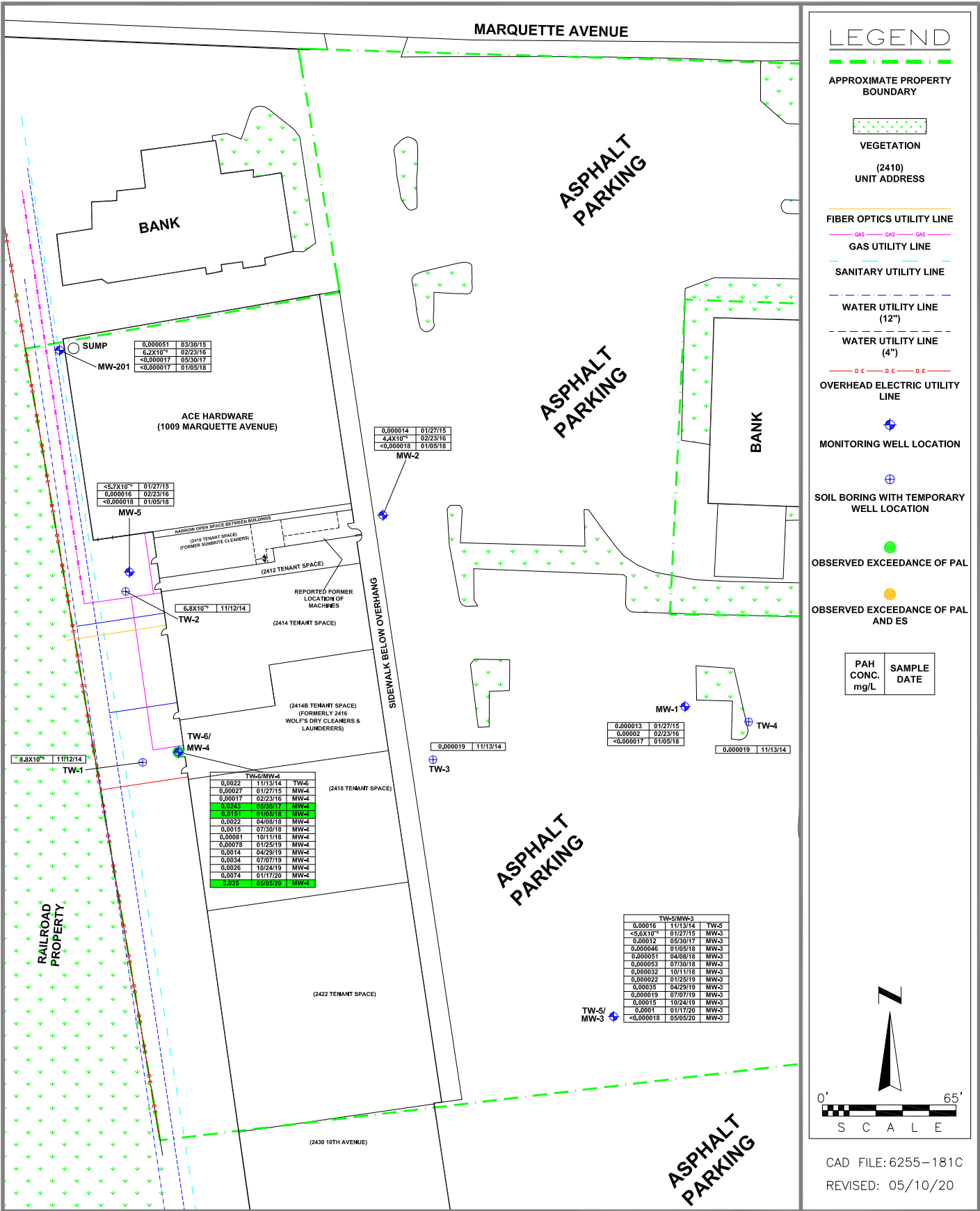
PAH CONC. mg/L	SAMPLE DATE
0.00084	11/13/14
0.000028	01/27/15
0.0015	05/30/17
0.000047	01/05/18
0.003	04/08/18
0.00095	07/30/18
0.000015	10/19/18
0.00028	01/25/19
0.13	04/29/19
0.0026	07/07/19
0.016	10/24/19
0.0013	01/17/20
0.0012	06/10/20



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

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

CAD FILE: 6255-180C
 REVISED: 06/10/20



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

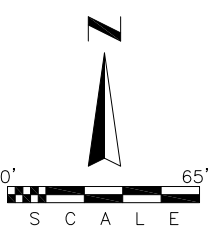
MONITORING WELL LOCATION

SOIL BORING WITH TEMPORARY WELL LOCATION

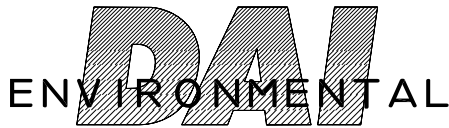
OBSERVED EXCEEDANCE OF PAL

OBSERVED EXCEEDANCE OF PAL AND ES

PAH CONC. mg/L	SAMPLE DATE
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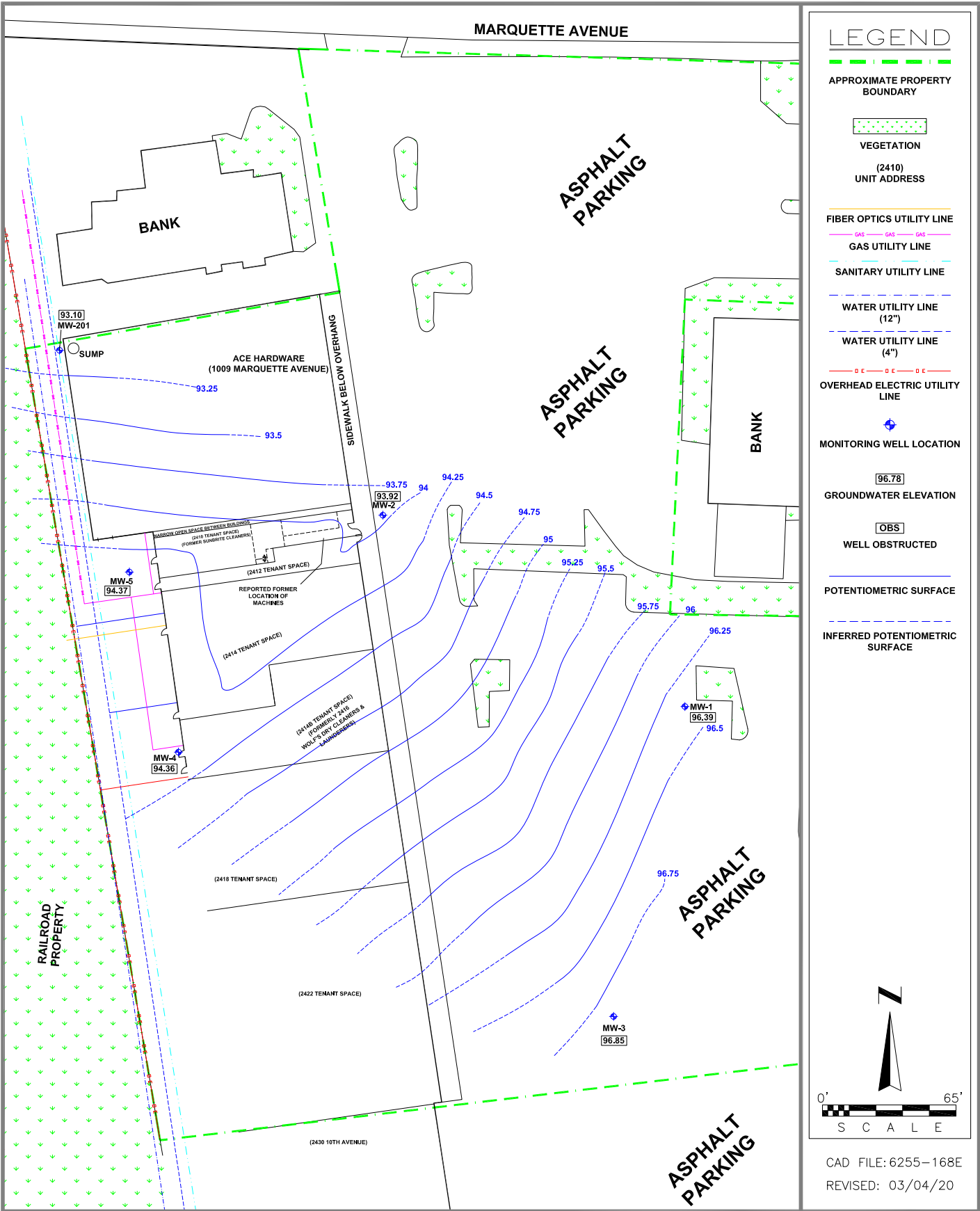


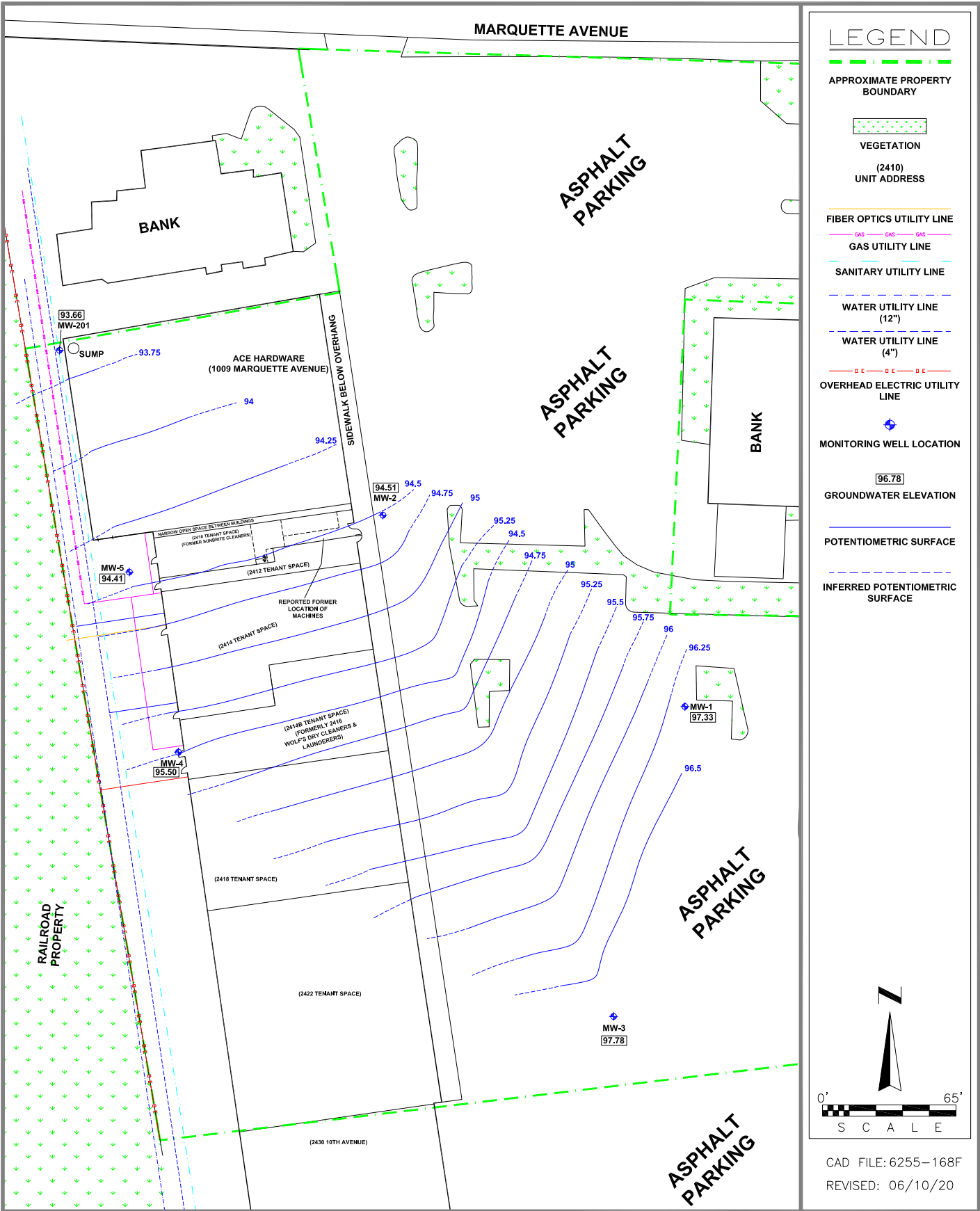
CAD FILE: 6255-181C
REVISED: 05/10/20



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


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





LEGEND

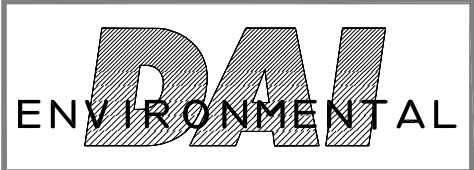
- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION
- POTENTIOMETRIC SURFACE
- INFERRED POTENTIOMETRIC SURFACE



0' 65'

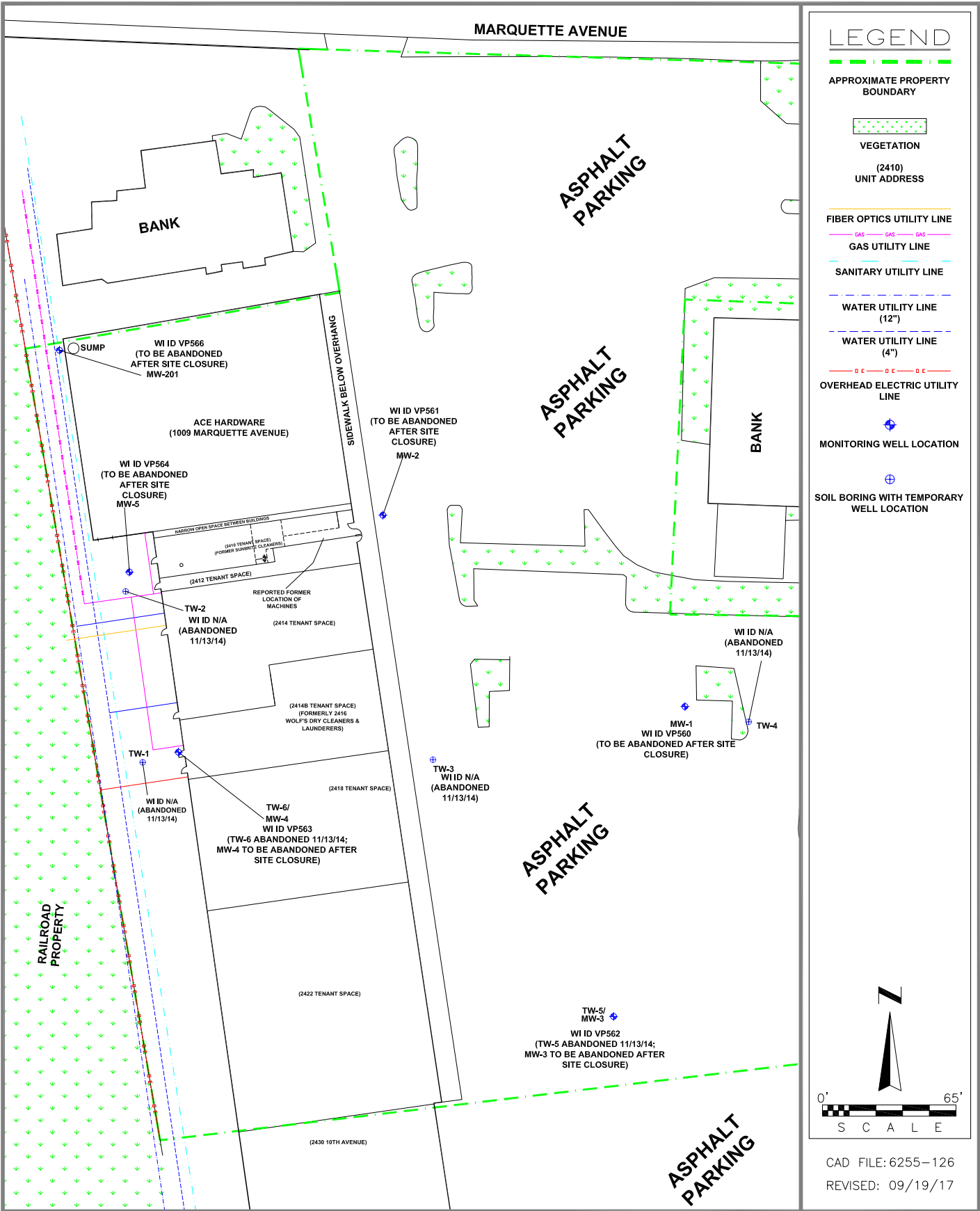
S C A L E

CAD FILE: 6255-168F
REVISED: 06/10/20



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

FIGURE B.3.c.13
GROUNDWATER FLOW DIRECTION
 (MAY 5, 2020)



LEGEND

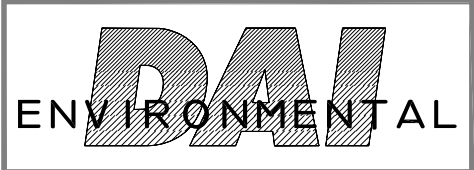
- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION

N

0' 65'

SCALE

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 REPORTS
(SECOND QUARTER 2020)

May 14, 2020

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

RE: Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

Dear Chris Cailles:

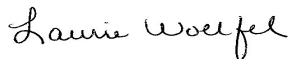
Enclosed are the analytical results for sample(s) received by the laboratory on May 07, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted 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,



Laurie Woelfel
laurie.woelfel@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.: 40207314

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.: 40207314

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40207314001	MW-5	Water	05/05/20 10:35	05/07/20 08:35
40207314002	MW-4	Water	05/05/20 11:00	05/07/20 08:35
40207314003	MW-3	Water	05/05/20 09:30	05/07/20 08:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40207314001	MW-5	EPA 8260	HNW	64
40207314002	MW-4	EPA 8270 by HVI	TPO	20
40207314003	MW-3	EPA 8270 by HVI	TPO	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.: 40207314

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40207314001	MW-5					
EPA 8260	Tetrachloroethene	0.0088	mg/L	0.0011	05/11/20 13:15	
40207314002	MW-4					
EPA 8270 by HVI	Acenaphthene	0.097	mg/L	0.0015	05/12/20 12:06	
EPA 8270 by HVI	Acenaphthylene	0.029	mg/L	0.0012	05/12/20 12:06	
EPA 8270 by HVI	Anthracene	0.014	mg/L	0.0025	05/12/20 12:06	
EPA 8270 by HVI	Benzo(a)anthracene	0.0016J	mg/L	0.0018	05/12/20 12:06	
EPA 8270 by HVI	Benzo(a)pyrene	0.0012J	mg/L	0.0025	05/12/20 12:06	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.0032	mg/L	0.0014	05/12/20 12:06	B
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.0019	mg/L	0.0016	05/12/20 12:06	B
EPA 8270 by HVI	Benzo(k)fluoranthene	0.00089J	mg/L	0.0018	05/12/20 12:06	
EPA 8270 by HVI	Chrysene	0.0050	mg/L	0.0031	05/12/20 12:06	
EPA 8270 by HVI	Fluoranthene	0.015	mg/L	0.0026	05/12/20 12:06	
EPA 8270 by HVI	Fluorene	0.15	mg/L	0.0019	05/12/20 12:06	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.00096J	mg/L	0.0042	05/12/20 12:06	
EPA 8270 by HVI	1-Methylnaphthalene	0.24	mg/L	0.0014	05/12/20 12:06	
EPA 8270 by HVI	2-Methylnaphthalene	0.0030	mg/L	0.0012	05/12/20 12:06	
EPA 8270 by HVI	Naphthalene	0.035	mg/L	0.0044	05/12/20 12:06	
EPA 8270 by HVI	Phenanthrene	0.26	mg/L	0.0033	05/12/20 12:06	
EPA 8270 by HVI	Pyrene	0.049	mg/L	0.0018	05/12/20 12:06	
40207314003	MW-3					
EPA 8270 by HVI	Acenaphthene	0.000013J	mg/L	0.000029	05/12/20 17:40	
EPA 8270 by HVI	Acenaphthylene	0.000020J	mg/L	0.000024	05/12/20 17:40	
EPA 8270 by HVI	Anthracene	0.000086	mg/L	0.000051	05/12/20 17:40	
EPA 8270 by HVI	Benzo(a)anthracene	0.00066	mg/L	0.000037	05/12/20 17:40	
EPA 8270 by HVI	Benzo(a)pyrene	0.0011	mg/L	0.000051	05/12/20 17:40	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.0023	mg/L	0.000028	05/12/20 17:40	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.0015	mg/L	0.000033	05/12/20 17:40	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.00078	mg/L	0.000037	05/12/20 17:40	
EPA 8270 by HVI	Chrysene	0.0012	mg/L	0.000063	05/12/20 17:40	
EPA 8270 by HVI	Dibenz(a,h)anthracene	0.00026	mg/L	0.000049	05/12/20 17:40	
EPA 8270 by HVI	Fluoranthene	0.0018	mg/L	0.000052	05/12/20 17:40	
EPA 8270 by HVI	Fluorene	0.000014J	mg/L	0.000039	05/12/20 17:40	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.0012	mg/L	0.000086	05/12/20 17:40	
EPA 8270 by HVI	Phenanthrene	0.00046	mg/L	0.000067	05/12/20 17:40	
EPA 8270 by HVI	Pyrene	0.0015	mg/L	0.000037	05/12/20 17:40	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

Sample: MW-5 **Lab ID: 40207314001** Collected: 05/05/20 10:35 Received: 05/07/20 08:35 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	<0.00025	mg/L	0.0010	0.00025	1		05/11/20 13:15	71-43-2	
Bromobenzene	<0.00024	mg/L	0.0010	0.00024	1		05/11/20 13:15	108-86-1	
Bromochloromethane	<0.00036	mg/L	0.0050	0.00036	1		05/11/20 13:15	74-97-5	
Bromodichloromethane	<0.00036	mg/L	0.0012	0.00036	1		05/11/20 13:15	75-27-4	
Bromoform	<0.0040	mg/L	0.013	0.0040	1		05/11/20 13:15	75-25-2	
Bromomethane	<0.00097	mg/L	0.0050	0.00097	1		05/11/20 13:15	74-83-9	
n-Butylbenzene	<0.00071	mg/L	0.0024	0.00071	1		05/11/20 13:15	104-51-8	
sec-Butylbenzene	<0.00085	mg/L	0.0050	0.00085	1		05/11/20 13:15	135-98-8	
tert-Butylbenzene	<0.00030	mg/L	0.0010	0.00030	1		05/11/20 13:15	98-06-6	
Carbon tetrachloride	<0.0011	mg/L	0.0036	0.0011	1		05/11/20 13:15	56-23-5	
Chlorobenzene	<0.00071	mg/L	0.0024	0.00071	1		05/11/20 13:15	108-90-7	
Chloroethane	<0.0013	mg/L	0.0050	0.0013	1		05/11/20 13:15	75-00-3	
Chloroform	<0.0013	mg/L	0.0050	0.0013	1		05/11/20 13:15	67-66-3	
Chloromethane	<0.0022	mg/L	0.0073	0.0022	1		05/11/20 13:15	74-87-3	
2-Chlorotoluene	<0.00093	mg/L	0.0050	0.00093	1		05/11/20 13:15	95-49-8	
4-Chlorotoluene	<0.00076	mg/L	0.0025	0.00076	1		05/11/20 13:15	106-43-4	
1,2-Dibromo-3-chloropropane	<0.0018	mg/L	0.0059	0.0018	1		05/11/20 13:15	96-12-8	
Dibromochloromethane	<0.0026	mg/L	0.0087	0.0026	1		05/11/20 13:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.00083	mg/L	0.0028	0.00083	1		05/11/20 13:15	106-93-4	
Dibromomethane	<0.00094	mg/L	0.0031	0.00094	1		05/11/20 13:15	74-95-3	
1,2-Dichlorobenzene	<0.00071	mg/L	0.0024	0.00071	1		05/11/20 13:15	95-50-1	
1,3-Dichlorobenzene	<0.00063	mg/L	0.0021	0.00063	1		05/11/20 13:15	541-73-1	
1,4-Dichlorobenzene	<0.00094	mg/L	0.0031	0.00094	1		05/11/20 13:15	106-46-7	
Dichlorodifluoromethane	<0.00050	mg/L	0.0050	0.00050	1		05/11/20 13:15	75-71-8	
1,1-Dichloroethane	<0.00027	mg/L	0.0010	0.00027	1		05/11/20 13:15	75-34-3	
1,2-Dichloroethane	<0.00028	mg/L	0.0010	0.00028	1		05/11/20 13:15	107-06-2	
1,1-Dichloroethene	<0.00024	mg/L	0.0010	0.00024	1		05/11/20 13:15	75-35-4	
cis-1,2-Dichloroethene	<0.00027	mg/L	0.0010	0.00027	1		05/11/20 13:15	156-59-2	
trans-1,2-Dichloroethene	<0.00046	mg/L	0.0015	0.00046	1		05/11/20 13:15	156-60-5	
1,2-Dichloropropane	<0.00028	mg/L	0.0010	0.00028	1		05/11/20 13:15	78-87-5	
1,3-Dichloropropane	<0.00083	mg/L	0.0028	0.00083	1		05/11/20 13:15	142-28-9	
2,2-Dichloropropane	<0.0023	mg/L	0.0076	0.0023	1		05/11/20 13:15	594-20-7	
1,1-Dichloropropene	<0.00054	mg/L	0.0018	0.00054	1		05/11/20 13:15	563-58-6	
cis-1,3-Dichloropropene	<0.0036	mg/L	0.012	0.0036	1		05/11/20 13:15	10061-01-5	
trans-1,3-Dichloropropene	<0.0044	mg/L	0.015	0.0044	1		05/11/20 13:15	10061-02-6	
Diisopropyl ether	<0.0019	mg/L	0.0063	0.0019	1		05/11/20 13:15	108-20-3	
Ethylbenzene	<0.00032	mg/L	0.0011	0.00032	1		05/11/20 13:15	100-41-4	
Hexachloro-1,3-butadiene	<0.0015	mg/L	0.0049	0.0015	1		05/11/20 13:15	87-68-3	
Isopropylbenzene (Cumene)	<0.0017	mg/L	0.0056	0.0017	1		05/11/20 13:15	98-82-8	
p-Isopropyltoluene	<0.00080	mg/L	0.0027	0.00080	1		05/11/20 13:15	99-87-6	
Methylene Chloride	<0.00058	mg/L	0.0050	0.00058	1		05/11/20 13:15	75-09-2	
Methyl-tert-butyl ether	<0.0012	mg/L	0.0042	0.0012	1		05/11/20 13:15	1634-04-4	
Naphthalene	<0.0012	mg/L	0.0050	0.0012	1		05/11/20 13:15	91-20-3	
n-Propylbenzene	<0.00081	mg/L	0.0050	0.00081	1		05/11/20 13:15	103-65-1	
Styrene	<0.0030	mg/L	0.010	0.0030	1		05/11/20 13:15	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE

Pace Project No.: 40207314

Sample: MW-5 **Lab ID: 40207314001** Collected: 05/05/20 10:35 Received: 05/07/20 08:35 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	<0.00027	mg/L	0.0010	0.00027	1		05/11/20 13:15	630-20-6	
1,1,1,2-Tetrachloroethane	<0.00028	mg/L	0.0010	0.00028	1		05/11/20 13:15	79-34-5	
Tetrachloroethene	0.0088	mg/L	0.0011	0.00033	1		05/11/20 13:15	127-18-4	
Toluene	<0.00027	mg/L	0.00090	0.00027	1		05/11/20 13:15	108-88-3	
1,2,3-Trichlorobenzene	<0.0022	mg/L	0.0074	0.0022	1		05/11/20 13:15	87-61-6	
1,2,4-Trichlorobenzene	<0.00095	mg/L	0.0050	0.00095	1		05/11/20 13:15	120-82-1	
1,1,1-Trichloroethane	<0.00024	mg/L	0.0010	0.00024	1		05/11/20 13:15	71-55-6	
1,1,2-Trichloroethane	<0.00055	mg/L	0.0050	0.00055	1		05/11/20 13:15	79-00-5	
Trichloroethene	<0.00026	mg/L	0.0010	0.00026	1		05/11/20 13:15	79-01-6	
Trichlorofluoromethane	<0.00021	mg/L	0.0010	0.00021	1		05/11/20 13:15	75-69-4	
1,2,3-Trichloropropane	<0.00059	mg/L	0.0050	0.00059	1		05/11/20 13:15	96-18-4	
1,2,4-Trimethylbenzene	<0.00084	mg/L	0.0028	0.00084	1		05/11/20 13:15	95-63-6	
1,3,5-Trimethylbenzene	<0.00087	mg/L	0.0029	0.00087	1		05/11/20 13:15	108-67-8	
Vinyl chloride	<0.00017	mg/L	0.0010	0.00017	1		05/11/20 13:15	75-01-4	
m&p-Xylene	<0.00047	mg/L	0.0020	0.00047	1		05/11/20 13:15	179601-23-1	
o-Xylene	<0.00026	mg/L	0.0010	0.00026	1		05/11/20 13:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/11/20 13:15	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		05/11/20 13:15	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/11/20 13:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

Sample: MW-4 **Lab ID: 40207314002** Collected: 05/05/20 11:00 Received: 05/07/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.097	mg/L	0.0015	0.00029	50	05/11/20 06:43	05/12/20 12:06	83-32-9	
Acenaphthylene	0.029	mg/L	0.0012	0.00024	50	05/11/20 06:43	05/12/20 12:06	208-96-8	
Anthracene	0.014	mg/L	0.0025	0.00050	50	05/11/20 06:43	05/12/20 12:06	120-12-7	
Benzo(a)anthracene	0.0016J	mg/L	0.0018	0.00036	50	05/11/20 06:43	05/12/20 12:06	56-55-3	
Benzo(a)pyrene	0.0012J	mg/L	0.0025	0.00051	50	05/11/20 06:43	05/12/20 12:06	50-32-8	
Benzo(b)fluoranthene	0.0032	mg/L	0.0014	0.00028	50	05/11/20 06:43	05/12/20 12:06	205-99-2	B
Benzo(g,h,i)perylene	0.0019	mg/L	0.0016	0.00033	50	05/11/20 06:43	05/12/20 12:06	191-24-2	B
Benzo(k)fluoranthene	0.00089J	mg/L	0.0018	0.00036	50	05/11/20 06:43	05/12/20 12:06	207-08-9	
Chrysene	0.0050	mg/L	0.0031	0.00063	50	05/11/20 06:43	05/12/20 12:06	218-01-9	
Dibenz(a,h)anthracene	<0.00048	mg/L	0.0024	0.00048	50	05/11/20 06:43	05/12/20 12:06	53-70-3	
Fluoranthene	0.015	mg/L	0.0026	0.00051	50	05/11/20 06:43	05/12/20 12:06	206-44-0	
Fluorene	0.15	mg/L	0.0019	0.00038	50	05/11/20 06:43	05/12/20 12:06	86-73-7	
Indeno(1,2,3-cd)pyrene	0.00096J	mg/L	0.0042	0.00085	50	05/11/20 06:43	05/12/20 12:06	193-39-5	
1-Methylnaphthalene	0.24	mg/L	0.0014	0.00028	50	05/11/20 06:43	05/12/20 12:06	90-12-0	
2-Methylnaphthalene	0.0030	mg/L	0.0012	0.00024	50	05/11/20 06:43	05/12/20 12:06	91-57-6	
Naphthalene	0.035	mg/L	0.0044	0.00088	50	05/11/20 06:43	05/12/20 12:06	91-20-3	
Phenanthrene	0.26	mg/L	0.0033	0.00066	50	05/11/20 06:43	05/12/20 12:06	85-01-8	
Pyrene	0.049	mg/L	0.0018	0.00037	50	05/11/20 06:43	05/12/20 12:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	39-120		50	05/11/20 06:43	05/12/20 12:06	321-60-8	
Terphenyl-d14 (S)	42	%	10-159		50	05/11/20 06:43	05/12/20 12:06	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

Sample: MW-3 **Lab ID: 40207314003** Collected: 05/05/20 09:30 Received: 05/07/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.000013J	mg/L	0.000029	0.000005 9	1	05/11/20 06:43	05/12/20 17:40	83-32-9	
Acenaphthylene	0.000020J	mg/L	0.000024	0.000004 8	1	05/11/20 06:43	05/12/20 17:40	208-96-8	
Anthracene	0.000086	mg/L	0.000051	0.000010	1	05/11/20 06:43	05/12/20 17:40	120-12-7	
Benzo(a)anthracene	0.000066	mg/L	0.000037	0.000007 3	1	05/11/20 06:43	05/12/20 17:40	56-55-3	
Benzo(a)pyrene	0.0011	mg/L	0.000051	0.000010	1	05/11/20 06:43	05/12/20 17:40	50-32-8	
Benzo(b)fluoranthene	0.0023	mg/L	0.000028	0.000005 6	1	05/11/20 06:43	05/12/20 17:40	205-99-2	
Benzo(g,h,i)perylene	0.0015	mg/L	0.000033	0.000006 6	1	05/11/20 06:43	05/12/20 17:40	191-24-2	
Benzo(k)fluoranthene	0.00078	mg/L	0.000037	0.000007 3	1	05/11/20 06:43	05/12/20 17:40	207-08-9	
Chrysene	0.0012	mg/L	0.000063	0.000013	1	05/11/20 06:43	05/12/20 17:40	218-01-9	
Dibenz(a,h)anthracene	0.00026	mg/L	0.000049	0.000009 7	1	05/11/20 06:43	05/12/20 17:40	53-70-3	
Fluoranthene	0.0018	mg/L	0.000052	0.000010	1	05/11/20 06:43	05/12/20 17:40	206-44-0	
Fluorene	0.000014J	mg/L	0.000039	0.000007 7	1	05/11/20 06:43	05/12/20 17:40	86-73-7	
Indeno(1,2,3-cd)pyrene	0.0012	mg/L	0.000086	0.000017	1	05/11/20 06:43	05/12/20 17:40	193-39-5	
1-Methylnaphthalene	<0.000005 7	mg/L	0.000029	0.000005 7	1	05/11/20 06:43	05/12/20 17:40	90-12-0	
2-Methylnaphthalene	<0.000004 8	mg/L	0.000024	0.000004 8	1	05/11/20 06:43	05/12/20 17:40	91-57-6	
Naphthalene	<0.000018	mg/L	0.000089	0.000018	1	05/11/20 06:43	05/12/20 17:40	91-20-3	
Phenanthrene	0.00046	mg/L	0.000067	0.000013	1	05/11/20 06:43	05/12/20 17:40	85-01-8	
Pyrene	0.0015	mg/L	0.000037	0.000007 4	1	05/11/20 06:43	05/12/20 17:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	39-120		1	05/11/20 06:43	05/12/20 17:40	321-60-8	
Terphenyl-d14 (S)	52	%	10-159		1	05/11/20 06:43	05/12/20 17:40	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

QC Batch: 354405 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40207314001

METHOD BLANK: 2050910 Matrix: Water
Associated Lab Samples: 40207314001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	<0.00027	0.0010	05/11/20 08:09	
1,1,1-Trichloroethane	mg/L	<0.00024	0.0010	05/11/20 08:09	
1,1,2,2-Tetrachloroethane	mg/L	<0.00028	0.0010	05/11/20 08:09	
1,1,2-Trichloroethane	mg/L	<0.00055	0.0050	05/11/20 08:09	
1,1-Dichloroethane	mg/L	<0.00027	0.0010	05/11/20 08:09	
1,1-Dichloroethene	mg/L	<0.00024	0.0010	05/11/20 08:09	
1,1-Dichloropropene	mg/L	<0.00054	0.0018	05/11/20 08:09	
1,2,3-Trichlorobenzene	mg/L	<0.0022	0.0074	05/11/20 08:09	
1,2,3-Trichloropropane	mg/L	<0.00059	0.0050	05/11/20 08:09	
1,2,4-Trichlorobenzene	mg/L	<0.00095	0.0050	05/11/20 08:09	
1,2,4-Trimethylbenzene	mg/L	<0.00084	0.0028	05/11/20 08:09	
1,2-Dibromo-3-chloropropane	mg/L	<0.0018	0.0059	05/11/20 08:09	
1,2-Dibromoethane (EDB)	mg/L	<0.00083	0.0028	05/11/20 08:09	
1,2-Dichlorobenzene	mg/L	<0.00071	0.0024	05/11/20 08:09	
1,2-Dichloroethane	mg/L	<0.00028	0.0010	05/11/20 08:09	
1,2-Dichloropropane	mg/L	<0.00028	0.0010	05/11/20 08:09	
1,3,5-Trimethylbenzene	mg/L	<0.00087	0.0029	05/11/20 08:09	
1,3-Dichlorobenzene	mg/L	<0.00063	0.0021	05/11/20 08:09	
1,3-Dichloropropane	mg/L	<0.00083	0.0028	05/11/20 08:09	
1,4-Dichlorobenzene	mg/L	<0.00094	0.0031	05/11/20 08:09	
2,2-Dichloropropane	mg/L	<0.0023	0.0076	05/11/20 08:09	
2-Chlorotoluene	mg/L	<0.00093	0.0050	05/11/20 08:09	
4-Chlorotoluene	mg/L	<0.00076	0.0025	05/11/20 08:09	
Benzene	mg/L	<0.00025	0.0010	05/11/20 08:09	
Bromobenzene	mg/L	<0.00024	0.0010	05/11/20 08:09	
Bromochloromethane	mg/L	<0.00036	0.0050	05/11/20 08:09	
Bromodichloromethane	mg/L	<0.00036	0.0012	05/11/20 08:09	
Bromoform	mg/L	<0.0040	0.013	05/11/20 08:09	
Bromomethane	mg/L	<0.00097	0.0050	05/11/20 08:09	
Carbon tetrachloride	mg/L	<0.0011	0.0036	05/11/20 08:09	
Chlorobenzene	mg/L	<0.00071	0.0024	05/11/20 08:09	
Chloroethane	mg/L	<0.0013	0.0050	05/11/20 08:09	
Chloroform	mg/L	<0.0013	0.0050	05/11/20 08:09	
Chloromethane	mg/L	<0.0022	0.0073	05/11/20 08:09	
cis-1,2-Dichloroethene	mg/L	<0.00027	0.0010	05/11/20 08:09	
cis-1,3-Dichloropropene	mg/L	<0.0036	0.012	05/11/20 08:09	
Dibromochloromethane	mg/L	<0.0026	0.0087	05/11/20 08:09	
Dibromomethane	mg/L	<0.00094	0.0031	05/11/20 08:09	
Dichlorodifluoromethane	mg/L	<0.00050	0.0050	05/11/20 08:09	
Diisopropyl ether	mg/L	<0.0019	0.0063	05/11/20 08:09	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

METHOD BLANK: 2050910 Matrix: Water
Associated Lab Samples: 40207314001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/L	<0.00032	0.0011	05/11/20 08:09	
Hexachloro-1,3-butadiene	mg/L	<0.0015	0.0049	05/11/20 08:09	
Isopropylbenzene (Cumene)	mg/L	<0.0017	0.0056	05/11/20 08:09	
m&p-Xylene	mg/L	<0.00047	0.0020	05/11/20 08:09	
Methyl-tert-butyl ether	mg/L	<0.0012	0.0042	05/11/20 08:09	
Methylene Chloride	mg/L	<0.00058	0.0050	05/11/20 08:09	
n-Butylbenzene	mg/L	<0.00071	0.0024	05/11/20 08:09	
n-Propylbenzene	mg/L	<0.00081	0.0050	05/11/20 08:09	
Naphthalene	mg/L	<0.0012	0.0050	05/11/20 08:09	
o-Xylene	mg/L	<0.00026	0.0010	05/11/20 08:09	
p-Isopropyltoluene	mg/L	<0.00080	0.0027	05/11/20 08:09	
sec-Butylbenzene	mg/L	<0.00085	0.0050	05/11/20 08:09	
Styrene	mg/L	<0.0030	0.010	05/11/20 08:09	
tert-Butylbenzene	mg/L	<0.00030	0.0010	05/11/20 08:09	
Tetrachloroethene	mg/L	<0.00033	0.0011	05/11/20 08:09	
Toluene	mg/L	<0.00027	0.00090	05/11/20 08:09	
trans-1,2-Dichloroethene	mg/L	<0.00046	0.0015	05/11/20 08:09	
trans-1,3-Dichloropropene	mg/L	<0.0044	0.015	05/11/20 08:09	
Trichloroethene	mg/L	<0.00026	0.0010	05/11/20 08:09	
Trichlorofluoromethane	mg/L	<0.00021	0.0010	05/11/20 08:09	
Vinyl chloride	mg/L	<0.00017	0.0010	05/11/20 08:09	
4-Bromofluorobenzene (S)	%	93	70-130	05/11/20 08:09	
Dibromofluoromethane (S)	%	101	70-130	05/11/20 08:09	
Toluene-d8 (S)	%	100	70-130	05/11/20 08:09	

LABORATORY CONTROL SAMPLE: 2050911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	0.05	0.053	106	70-130	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.054	107	64-131	
1,1,2-Trichloroethane	mg/L	0.05	0.053	105	70-130	
1,1-Dichloroethane	mg/L	0.05	0.052	103	69-163	
1,1-Dichloroethene	mg/L	0.05	0.049	98	77-123	
1,2,4-Trichlorobenzene	mg/L	0.05	0.046	92	68-130	
1,2-Dibromo-3-chloropropane	mg/L	0.05	0.050	99	63-130	
1,2-Dibromoethane (EDB)	mg/L	0.05	0.051	102	70-130	
1,2-Dichlorobenzene	mg/L	0.05	0.053	106	70-130	
1,2-Dichloroethane	mg/L	0.05	0.049	98	78-142	
1,2-Dichloropropane	mg/L	0.05	0.051	102	86-134	
1,3-Dichlorobenzene	mg/L	0.05	0.053	105	70-130	
1,4-Dichlorobenzene	mg/L	0.05	0.052	104	70-130	
Benzene	mg/L	0.05	0.052	103	70-130	
Bromodichloromethane	mg/L	0.05	0.051	103	70-130	
Bromoform	mg/L	0.05	0.051	102	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

LABORATORY CONTROL SAMPLE: 2050911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/L	0.05	0.039	78	39-129	
Carbon tetrachloride	mg/L	0.05	0.051	103	70-132	
Chlorobenzene	mg/L	0.05	0.053	105	70-130	
Chloroethane	mg/L	0.05	0.043	86	66-140	
Chloroform	mg/L	0.05	0.052	104	75-132	
Chloromethane	mg/L	0.05	0.032	65	32-143	
cis-1,2-Dichloroethene	mg/L	0.05	0.050	101	70-130	
cis-1,3-Dichloropropene	mg/L	0.05	0.053	107	70-130	
Dibromochloromethane	mg/L	0.05	0.052	105	70-130	
Dichlorodifluoromethane	mg/L	0.05	0.031	61	10-141	
Ethylbenzene	mg/L	0.05	0.057	113	80-120	
Isopropylbenzene (Cumene)	mg/L	0.05	0.057	114	70-130	
m&p-Xylene	mg/L	0.1	0.11	113	70-130	
Methyl-tert-butyl ether	mg/L	0.05	0.049	98	61-129	
Methylene Chloride	mg/L	0.05	0.049	98	70-130	
o-Xylene	mg/L	0.05	0.056	111	70-130	
Styrene	mg/L	0.05	0.056	113	70-130	
Tetrachloroethene	mg/L	0.05	0.050	101	70-130	
Toluene	mg/L	0.05	0.053	106	80-120	
trans-1,2-Dichloroethene	mg/L	0.05	0.049	98	70-130	
trans-1,3-Dichloropropene	mg/L	0.05	0.052	104	69-130	
Trichloroethene	mg/L	0.05	0.052	104	70-130	
Trichlorofluoromethane	mg/L	0.05	0.048	96	75-145	
Vinyl chloride	mg/L	0.05	0.040	81	51-140	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2051898 2051899

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40207328021 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	mg/L	<0.24 ug/L	0.05	0.05	0.050	0.052	101	104	70-130	2	20	
1,1,2,2-Tetrachloroethane	mg/L	<0.28 ug/L	0.05	0.05	0.052	0.054	104	109	64-137	5	20	
1,1,2-Trichloroethane	mg/L	<0.55 ug/L	0.05	0.05	0.051	0.052	101	104	70-137	2	20	
1,1-Dichloroethane	mg/L	<0.27 ug/L	0.05	0.05	0.050	0.051	99	102	69-163	2	20	
1,1-Dichloroethene	mg/L	<0.24 ug/L	0.05	0.05	0.046	0.047	92	93	77-129	2	20	
1,2,4-Trichlorobenzene	mg/L	<0.95 ug/L	0.05	0.05	0.046	0.048	91	97	68-130	6	20	
1,2-Dibromo-3-chloropropane	mg/L	<1.8 ug/L	0.05	0.05	0.050	0.050	99	99	60-130	0	20	
1,2-Dibromoethane (EDB)	mg/L	<0.83 ug/L	0.05	0.05	0.049	0.052	99	103	70-130	5	20	
1,2-Dichlorobenzene	mg/L	<0.71 ug/L	0.05	0.05	0.050	0.054	101	108	70-130	7	20	
1,2-Dichloroethane	mg/L	<0.28 ug/L	0.05	0.05	0.048	0.049	96	97	78-145	2	20	
1,2-Dichloropropane	mg/L	<0.28 ug/L	0.05	0.05	0.049	0.050	97	100	86-135	3	20	
1,3-Dichlorobenzene	mg/L	<0.63 ug/L	0.05	0.05	0.050	0.054	101	109	70-130	8	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

Parameter	Units	40207328021		MS		MSD		2051898		2051899		Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	
1,4-Dichlorobenzene	mg/L	<0.94 ug/L	0.05	0.05	0.051	0.053	101	106	70-130	4	20	
Benzene	mg/L	<0.25 ug/L	0.05	0.05	0.049	0.051	98	101	70-136	3	20	
Bromodichloromethane	mg/L	<0.36 ug/L	0.05	0.05	0.048	0.050	97	101	70-130	4	20	
Bromoform	mg/L	<4.0 ug/L	0.05	0.05	0.050	0.052	100	103	69-130	3	20	
Bromomethane	mg/L	<0.97 ug/L	0.05	0.05	0.039	0.038	78	76	39-138	2	20	
Carbon tetrachloride	mg/L	<1.1 ug/L	0.05	0.05	0.053	0.050	106	100	70-142	6	20	
Chlorobenzene	mg/L	<0.71 ug/L	0.05	0.05	0.051	0.052	102	104	70-130	3	20	
Chloroethane	mg/L	<1.3 ug/L	0.05	0.05	0.042	0.043	84	86	61-149	2	20	
Chloroform	mg/L	<1.3 ug/L	0.05	0.05	0.050	0.051	100	102	75-133	2	20	
Chloromethane	mg/L	<2.2 ug/L	0.05	0.05	0.031	0.032	62	63	32-143	2	20	
cis-1,2-Dichloroethene	mg/L	<0.27 ug/L	0.05	0.05	0.049	0.051	98	102	70-130	4	20	
cis-1,3-Dichloropropene	mg/L	<3.6 ug/L	0.05	0.05	0.050	0.052	101	104	70-130	3	20	
Dibromochloromethane	mg/L	<2.6 ug/L	0.05	0.05	0.049	0.052	99	103	70-130	4	20	
Dichlorodifluoromethane	mg/L	<0.50 ug/L	0.05	0.05	0.025	0.026	50	52	10-141	4	20	
Ethylbenzene	mg/L	<0.32 ug/L	0.05	0.05	0.054	0.056	107	111	80-120	4	20	
Isopropylbenzene (Cumene)	mg/L	<1.7 ug/L	0.05	0.05	0.055	0.056	109	112	70-130	2	20	
m&p-Xylene	mg/L	<0.47 ug/L	0.1	0.1	0.11	0.11	108	111	70-130	3	20	
Methyl-tert-butyl ether	mg/L	<1.2 ug/L	0.05	0.05	0.048	0.049	96	98	61-136	2	20	
Methylene Chloride	mg/L	<0.58 ug/L	0.05	0.05	0.047	0.047	95	95	68-137	0	20	
o-Xylene	mg/L	<0.26 ug/L	0.05	0.05	0.053	0.054	107	109	70-130	2	20	
Styrene	mg/L	<3.0 ug/L	0.05	0.05	0.053	0.056	106	112	70-130	5	20	
Tetrachloroethene	mg/L	0.52J ug/L	0.05	0.05	0.049	0.051	97	100	70-130	3	20	
Toluene	mg/L	<0.27 ug/L	0.05	0.05	0.051	0.052	102	105	80-120	2	20	
trans-1,2-Dichloroethene	mg/L	<0.46 ug/L	0.05	0.05	0.049	0.049	97	98	70-130	1	20	
trans-1,3-Dichloropropene	mg/L	<4.4 ug/L	0.05	0.05	0.051	0.052	101	104	69-130	2	20	
Trichloroethene	mg/L	<0.26 ug/L	0.05	0.05	0.049	0.051	98	102	70-130	4	20	
Trichlorofluoromethane	mg/L	0.82J ug/L	0.05	0.05	0.045	0.048	89	94	74-157	5	20	
Vinyl chloride	mg/L	<0.17 ug/L	0.05	0.05	0.037	0.038	74	76	51-140	2	20	
4-Bromofluorobenzene (S)	%						98	97	70-130			
Dibromofluoromethane (S)	%						102	101	70-130			
Toluene-d8 (S)	%						100	99	70-130			

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QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40207314

QC Batch: 354532 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40207314002, 40207314003

METHOD BLANK: 2051875 Matrix: Water

Associated Lab Samples: 40207314002, 40207314003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/L	<0.000059	0.000030	05/11/20 12:31	
2-Methylnaphthalene	mg/L	<0.000049	0.000024	05/11/20 12:31	
Acenaphthene	mg/L	<0.000061	0.000030	05/11/20 12:31	
Acenaphthylene	mg/L	<0.000050	0.000025	05/11/20 12:31	
Anthracene	mg/L	<0.000010	0.000052	05/11/20 12:31	
Benzo(a)anthracene	mg/L	<0.000076	0.000038	05/11/20 12:31	
Benzo(a)pyrene	mg/L	<0.000011	0.000053	05/11/20 12:31	
Benzo(b)fluoranthene	mg/L	0.000011J	0.000029	05/11/20 12:31	
Benzo(g,h,i)perylene	mg/L	0.000016J	0.000034	05/11/20 12:31	
Benzo(k)fluoranthene	mg/L	<0.000076	0.000038	05/11/20 12:31	
Chrysene	mg/L	<0.000013	0.000065	05/11/20 12:31	
Dibenz(a,h)anthracene	mg/L	<0.000010	0.000050	05/11/20 12:31	
Fluoranthene	mg/L	0.000014J	0.000053	05/11/20 12:31	
Fluorene	mg/L	<0.000080	0.000040	05/11/20 12:31	
Indeno(1,2,3-cd)pyrene	mg/L	<0.000018	0.000088	05/11/20 12:31	
Naphthalene	mg/L	<0.000018	0.000092	05/11/20 12:31	
Phenanthrene	mg/L	0.000018J	0.000069	05/11/20 12:31	
Pyrene	mg/L	<0.000076	0.000038	05/11/20 12:31	
2-Fluorobiphenyl (S)	%	76	39-120	05/11/20 12:31	
Terphenyl-d14 (S)	%	119	10-159	05/11/20 12:31	

LABORATORY CONTROL SAMPLE & LCSD: 2051876 2051877

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	mg/L	0.002	0.0013	0.0013	67	64	37-120	5	25	
2-Methylnaphthalene	mg/L	0.002	0.0014	0.0013	69	65	38-120	6	25	
Acenaphthene	mg/L	0.002	0.0014	0.0015	71	74	49-120	4	24	
Acenaphthylene	mg/L	0.002	0.0013	0.0013	64	67	43-85	4	26	
Anthracene	mg/L	0.002	0.0017	0.0015	83	77	57-110	7	28	
Benzo(a)anthracene	mg/L	0.002	0.0019	0.0016	93	80	47-118	15	27	
Benzo(a)pyrene	mg/L	0.002	0.0020	0.0018	99	89	70-120	10	20	
Benzo(b)fluoranthene	mg/L	0.002	0.0019	0.0016	94	81	54-97	15	21	
Benzo(g,h,i)perylene	mg/L	0.002	0.0014	0.0011	70	56	26-74	21	42	
Benzo(k)fluoranthene	mg/L	0.002	0.0021	0.0020	107	99	73-126	8	22	
Chrysene	mg/L	0.002	0.0021	0.0018	103	92	75-151	11	20	
Dibenz(a,h)anthracene	mg/L	0.002	0.0012	0.0011	60	53	13-72	13	50	
Fluoranthene	mg/L	0.002	0.0017	0.0015	87	75	63-120	14	20	
Fluorene	mg/L	0.002	0.0014	0.0015	72	75	53-120	4	26	
Indeno(1,2,3-cd)pyrene	mg/L	0.002	0.0019	0.0017	95	83	51-101	14	27	

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.: 40207314

Parameter	Units	2051876		2051877		% Rec	LCS	LCS	% Rec	Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCS % Rec								
Naphthalene	mg/L	0.002	0.0013	0.0013	65	63	41-120				4	24	
Phenanthrene	mg/L	0.002	0.0017	0.0015	83	74	47-100				12	22	
Pyrene	mg/L	0.002	0.0019	0.0017	96	85	70-128				12	20	
2-Fluorobiphenyl (S)	%				66	69	39-120						
Terphenyl-d14 (S)	%				114	103	10-159						

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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QUALIFIERS

Project: 6255 S. MILWAUKEE

Pace Project No.: 40207314

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: 354561

[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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 S. MILWAUKEE

Pace Project No.: 40207314

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40207314002	MW-4	EPA 3510	354532	EPA 8270 by HVI	354561
40207314003	MW-3	EPA 3510	354532	EPA 8270 by HVI	354561
40207314001	MW-5	EPA 8260	354405		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **DAI Env.**
 Branch/Location: **Lake Forest, IL**
 Project Contact: **Chris Cailles**
 Phone: **847-573-8900**
 Project Number: **6255**
 Project Name: **S. Milwaukee**
 Project State: **WI**
 Sampled By (Print): **Kenneth Grochowski**
 Sampled By (Sign): *[Signature]*



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

40207314

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)*

Analyses Requested	Y/N	Pick Letter	Matrix	Date/Time	Matrix
VOCS	N	B	GW	5/5/20 1035	GW
PNA5	N	A	GW	5/6/20 1100	GW
			GW	5/6/20 0950	GW

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
		DATE	TIME	
001	MW-5	5/5/20	1035	GW
002	MW-4		1100	GW
003	MW-3		0950	GW

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: <i>[Signature]</i>	Date/Time: 5/6/20 1020	Received By: <i>[Signature]</i>	Date/Time: 5/6/20 1020
Relinquished By: <i>[Signature]</i>	Date/Time: 5/6/20 1700	Received By: <i>[Signature]</i>	Date/Time: 5/6/20
Relinquished By: C. S Logistics	Date/Time: 5/7/20 0835	Received By: <i>[Signature]</i>	Date/Time: 5/7/20 0835
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____

PACE Project No. **41207314**

Receipt Temp **20.1** °C

Sample Receipt pH **OK / Adjusted**


Cooler Custody Seal **Present / Not Present**
 Intact / Not Intact

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

Sample Condition Upon Receipt Form (SCUR)

Client Name: DAI ENV.
Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: **WO# : 40207314**



40207314

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 - N/A **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature **Uncorr:** ROT **I/Corr:** _____
Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no

Person examining contents:
Date: 5/7/20 **Initials:** NO
Labeled By Initials: AB

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	2. <u>NO mail, INVOICE</u> <u>5/7/20</u>
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): <u>5/7/20</u>	<input checked="" 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>W</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: _____

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