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May 22, 2024

Mr. Riley Neumann
Wisconsin Department of Natural Resources
1027 West St. Paul Avenue
Milwaukee, Wisconsin 53233

Re: Quarterly Groundwater Sampling Report
(April 2024 Results)
BRRTS #: 02-41-576336
FID #: 241828620
Sunrise Shopping Center
2410-2424 10th Avenue & 1009 Marquette Avenue
South Milwaukee, Wisconsin 53172

Mr. Neumann:

Please find submitted the *Quarterly Groundwater Sampling Report* for the Sunrise Shopping Center facility located at the above-referenced address. Quarterly groundwater sampling to monitor any changes in Tetrachloroethene (Perc) concentrations continues at monitoring well MW-5. Sample results continue to document Perc concentration stability. With the closure of BRRTS number 02-41-579429, quarterly groundwater sampling of MW-3 and MW-4 has been discontinued.

As required, this quarterly report and all supporting documentation are submitted electronically to WDNR. If you have any questions or require additional information in regard to this submission, please contact me at (847) 9963-3580. Thank you for your time.

Sincerely,
DAI Environmental, Inc.

Christopher Cailles, P.E.
Project Engineer

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QUARTERLY GROUNDWATER SAMPLING REPORT
(APRIL 2024 RESULTS)
SUNRISE SHOPPING CENTER-FORMER DRY CLEANER
2410-2424 10TH AVENUE & 1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN 53172
WDNR BRRTS ACTIVITY #02-41-576336
WDNR FID #241828620

May 22, 2024

DAI Project Number: 6255

Prepared For:
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1.0 INTRODUCTION

Two (2) BRRTS numbers have been assigned by the Wisconsin Department of Natural Resources (WDNR) to 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. Volatile Organic Compound (VOC) contamination at the Site which is associated with the former dry cleaner operations addressed as 2410 10th Avenue was assigned BRRTS number 02-41-576336. Petroleum-associated contamination, including Benzene and Polynuclear Aromatic Hydrocarbons (PAH), was assigned BRRTS number 02-41-579429. As part of the Remedial Actions for both BRRTS numbers assigned to the Site, quarterly groundwater sampling has been conducted since January 2018. A Case Closure Letter dated December 20, 2023, was received from WDNR for BRRTS number 02-41-579429. Therefore, quarterly groundwater sampling will only continue for BRRTS number 02-41-576336 until a Case Closure Letter is received from WDNR. A brief discussion of the quarterly sampling protocol and results are provided below.

2.0 QUARTERLY GROUNDWATER SAMPLING PROGRAM

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

2.1 Quarterly Sampling Protocol

Based upon the results of the January 2018 sampling event, quarterly groundwater sampling was conducted at monitoring wells MW-3 to MW-5 through October 2023. Since no contamination was observed in monitoring wells MW-1, MW-2, or MW-201, no groundwater samples are collected from these wells as part of the quarterly sampling protocol. With the closure of BRRTS number 02-41-579429, quarterly groundwater sampling will only continue for MW-5. Four (4) additional groundwater monitoring wells (MW-600 to MW-603) installed in January 2022 (see Figure B.3.d) are not part of the quarterly groundwater sampling, but are used for static water elevation measurements.

The purpose of the continued quarterly groundwater sampling at MW-5 is to monitor any changes in groundwater contaminant concentrations for Tetrachloroethene (Perc). The sampling has documented concentrations before, during, and following the Remedial Actions conducted using chemical treatment. The quarterly groundwater sampling protocol beginning in January 2024 includes:

- Static water level measurement collection from all accessible monitoring wells using an electronic water level indicator capable of detecting water depth with an accuracy of ±0.01 ft; and
- Groundwater sample collection 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, MW-5 was 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, the groundwater sample was collected using a disposable PVC bailer and distributed directly into the appropriate sample containers (40-mL vials preserved with hydrochloric acid) for subsequent laboratory of VOCs via USEPA Method SW8260. New disposable nitrile gloves were used to collect each sample to limit cross contamination. The samples were stored on ice immediately after collection and were maintained at a temperature of 4^{o}C or lower via a cooler with ice. Samples were ultimately transferred to Pace Analytical Services, LLC (Pace Analytical) of Green Bay, Wisconsin, an independent analytical laboratory following the standard chain-of-custody procedures.

3.0 QUARTERLY GROUNDWATER SAMPLING RESULTS

3.1 Static Groundwater Elevations

To evaluate potential seasonal fluctuation in static water elevation and/or groundwater flow direction, static groundwater elevations have been collected quarterly since the second quarter 2018. Static water level elevations were referenced to the surveyed top of casing elevations. Quarterly static groundwater elevations indicated relatively high variability in elevation between quarters, with monitoring wells MW-1 and MW-3 most influenced by large areas of backfill. Prior to installation of the 600-series monitoring wells, the groundwater flow direction was consistently from the northwest along the southern half of the Site and north-northeasterly along the northern half of the Site. However, with the addition of the 600-series monitoring wells and the exclusion of MW-1 and MW-3, which are influenced by large areas of backfill, a more east-northeasterly groundwater flow direction has been observed.

Although the groundwater flow direction below the Site has been well established, WDNR requested that the groundwater elevation and flow direction be re-evaluated with the installation and beginning of operation of two (2) additional sump pits in the basement of the Ace Hardware building. Therefore, a potentiometric surface map was generated for the first quarter 2024. Based upon review of January 2024 elevations, the addition of the sumps in the Ace Hardware basement has not impacted the overall groundwater elevations or flow direction (east-northeasterly groundwater). A full round of statics was again collected during the second quarter 2024, and the data are consistent with January 2024 (and previously collected measurements). Table A.6 in Attachment A provides a historical summary of groundwater elevation information, and the groundwater elevation map generated for April 25, 2024, is included as Figure B.3.c.28 (see Attachment B).

3.2 Groundwater Analytical Results

Groundwater samples for the second quarter of 2024 (i.e., April-June 2024) were collected on April 25, 2024, following the protocol described in Section 2.2. The groundwater sample collected from MW-5 was analyzed for VOCs. A historical summary of all groundwater sampling data since the beginning of Site Investigations is provided Table A.1.A of Attachment A. Results are

compared to the Preventative Action Limits PAL (PALs) and Enforcement Standards listed in Table 1 of NR 140. A copy of the laboratory analytical report for the second quarter 2024 sampling is provided in this report as Attachment C.1.E.

Table A.1.A summarizes the quarterly groundwater sampling results from MW-5 for Perc and Trichloroethene (TCE), which are the only VOCs of concern observed in the groundwater. (Previous quarterly reports include a full summary of VOC analyses). Results of groundwater sampling at MW-5, installed to the rear of the 2410 tenant space (former Sunbrite Cleaners location), have indicated Perc at concentrations exceeding the Enforcement Standard of 0.005-mg/L since February 2016. These Perc concentrations increased through October 2018, followed by a decline in concentration, and then a period of general stable concentration since September 2019. The April 2024 concentration was 0.0099-mg/L, the lowest reading since May 2020, but still consistent with the past results, indicating stable Perc concentrations. Figure B.3.b.1a provides a historical summary of Perc groundwater concentrations and the estimated extent of Perc groundwater contamination.

The monthly samples collected from the Ace Hardware sumps, which continue to function for groundwater recovery, also indicates stable Perc concentrations. (The influent water in the sumps is collected prior to treatment and final discharge to the stormwater sewer system). Table A.5 summarizes the monthly sump sample results, and Figure B.3.b.1a provides a summary of monthly Perc concentrations since July 2021.

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

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. Two (2) additional sumps and treatment systems were installed in the Ace Hardware building in June 2023 and were issued coverage under WPDES Permit Number WI-0046566-07-0 on July 21, 2023.

System discharge and sump water sampling of the original one sump system began on June 25, 2019. The sump water samples are collected for VOC analysis to both monitor the groundwater contaminant concentrations around the Ace Hardware building, and to verify the system is operating correctly. Weekly samples of the two (2) additionally installed systems began in September 2023, followed by monthly sampling as required by the WPDES permit. Monthly sampling of the sump water influent and system effluent discharges will continue. Discharge sample results are submitted electronically to WDNR, as required by the WPDES permit.

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 around the Ace Hardware building. The results of the sump water samples are summarized in Table A.5. (Because all VOCs are reported below the LOD with the exception of Perc, Table A.5 only summarizes the Perc results.) The sump water sample results since July 2021 to the present are provided in Figure B.3.b.1a. (Previous reports included earlier sump data.)

As noted in Table A.5, the Perc concentrations in the influent sump water are often above the Enforcement Standard, and always above the PAL. However, all corresponding discharge samples indicate that the treatment system has been fully effective in removing Perc from the water prior to discharge into the stormwater sewer system. Only one (1) discharge sample has ever been reported with a detectable concentration of Perc, and that concentration was below the permit limit.

Replacement of the activated carbon in the original system was completed following the detectable concentration observed in May 2023.

5.0 SUMMARY AND SCHEDULE

- The Perc concentrations observed in monitoring well MW-5 have exceeded the Enforcement Standard since February 2016. Though the Perc concentrations have remained above the Enforcement Standard, the chemical injection activities performed in July 2018 and August 2019 in the vicinity of MW-5 have helped reduce the mass of Perc contamination. The Perc groundwater concentrations in MW-5 have remained relatively stable since that time. Quarterly monitoring of Perc concentrations in MW-5 will be continued until closure of the Site is approved.
- Sampling of the Ace Hardware sump water indicates influent Perc concentrations above the Enforcement Standard, although all effluent discharge samples from the treatment system are below detectable concentrations. System influent and effluent sampling will continue on a monthly basis, as required.

APPENDIX A
TABLES

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

Sample Location	Sample Date	Tetrachloroethene	Trichloroethene
MW-5	04/25/24	**0.0099**	<0.00032
	01/22/24	**0.012**	<0.00032
	10/30/23	**0.022**	0.0004 (J)
	07/10/23	**0.022**	0.0005 (J)
	04/21/23	**0.01**	<0.00032
	01/06/23	**0.013**	<0.00032
	10/04/22	**0.019**	<0.00032
	08/05/22	**0.021**	0.00069 (J)
	04/11/22	**0.011**	<0.00032
	01/24/22	**0.021**	**0.00067**
	11/11/21	**0.024**	0.00034 (J)
	08/31/21	**0.021**	<0.00032
	05/09/21	**0.012**	<0.00032
	01/18/21	**0.01**	<0.00026
	10/12/20	**0.014**	0.00047
	07/14/20	**0.01**	<0.00026
	05/05/20	**0.0088**	<0.00026
	01/17/20	**0.0084**	0.00038 (J)
	10/24/19	**0.012**	0.00039 (J)
	09/05/19	**0.0153**	0.00038 (J)
	07/07/19	**0.0106**	0.00048 (J)
	04/29/19	**0.0114**	**0.00071 (J)**
	01/25/19	**0.0065**	**0.0027**
	10/11/18	**0.021**	0.00027 (J)
	07/30/18	**0.0086**	<0.00026
	04/07/18	**0.0203**	<0.00033
	01/05/18	**0.0181**	<0.00033
	05/30/17	**0.0124**	<0.00033
	02/23/16	**0.0083**	<0.00033
	01/27/15	**0.0026**	<0.00033
	11/12/14 (TW-2)	**0.0026**	<0.00033
PAL[1]		**0.0005**	**0.0005**
Enforcement Standard[2]		**0.005**	**0.005**

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

Table A.5.A. Ace Hardware Sump Water Analytical Table for Tetrachlorethene (mg/L) (Sump 1 – Northwest Corner of Basement)

Sample Location	Sample Date	Tetrachloroethene
Sump	04/04/24	**0.0035**
	03/01/24	**0.0071**
	02/01/24	**0.0071**
	01/05/24	**0.0066**
	12/11/23	**0.0074**
	11/07/23	**0.012**
	10/05/23	**0.011**
	09/14/23	**0.013**
	09/05/23	**0.013**
	08/08/23	**0.015**
	07/10/23	**0.017**
	06/12/23	**0.012**
	05/09/23	**0.0075**
	04/07/23	**0.0066**
	03/07/23	**0.0069**
	02/06/23	**0.0072**
	01/13/23	**0.0081**
	12/05/22	**0.0076**
	11/21/22	**0.0077**
	10/03/22	**0.011**
	09/13/22	**0.0091**
	08/01/22	**0.01**
	07/14/22	**0.01**
	06/02/22	**0.012**
	05/06/22	**0.006**
	04/01/22	**0.0041**
	03/03/22	**0.01**
	02/01/22	**0.01**
	01/18/22	**0.013**
	12/06/21	**0.013**
	11/05/21	**0.014**
	10/04/21	**0.016**
	09/10/21	**0.015**
	08/06/21	**0.016**
	07/02/21	**0.014**
	06/14/21	**0.013**
	05/03/21	**0.016**
	04/06/21	**0.012**
	03/08/21	**0.01**
	02/02/21	**0.014**
	01/12/21	**0.005**
PAL[1]		**0.0005**
Enforcement Standard[2]		**0.005**

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

Table A.5.A (Continued). Ace Hardware Sump Water Analytical Table for Tetrachlorethene (mg/L) (Sump 1 – Northwest Corner of Basement)

Sample Location	Sample Date	Tetrachloroethene
Sump	12/09/20	**0.0048**
	11/12/20	**0.0068**
	10/12/20	**0.009**
	09/03/20	**0.0065**
	08/17/20	**0.01**
	07/14/20	**0.0078**
	06/03/20	**0.0068**
	05/05/20	**0.0054**
	04/06/20	**0.005**
	03/10/20	**0.0063**
	02/03/20	**0.006**
	01/07/2012/03/19	**0.00650.0068**
	11/04/19	**0.008**
	10/02/19	**0.0069**
	09/05/19	**0.0076**
	08/02/19	**0.005**
	07/19/19	**0.0062**
	06/25/19 (first monthly)	**0.0054**
	06/06/19 (week 4)	**0.0069**
	05/29/19 (week 3)	**0.0043**
	05/23/19 (week 2)	**0.0042**
	05/15/19 (week 1)	**0.0093**
	02/04/19	**0.0064**
	01/05/18	**0.0082**
	06/04/17	**0.006**
PAL[1]		**0.0005**
Enforcement Standard[2]		**0.005**

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

Table A.5.B. Ace Hardware Sump Water Analytical Table for Tetrachlorethene (mg/L) (Sump 2 – Southeast Interior Wall of Basement)

Sample Location	Sample Date	Tetrachloroethene
Sump	04/04/24	**0.0018**
	03/01/24	<0.00041
	02/01/24	**0.0041**
	01/05/24	**0.0022**
	12/11/23	<0.00041
	11/07/23	**<u>0.0068</u>**
	10/05/23	**<u>0.0052</u>**
	09/27/23	**0.0049**
	09/19/23	**0.0043**
	09/14/23	**0.0038**
	09/05/23	<0.00041
PAL[1]		**0.0005**
Enforcement Standard[2]		**0.005**

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

Table A.5.C. Ace Hardware Sump Water Analytical Table for Tetrachlorethene (mg/L) (Sump 3 – Southwest Interior Wall of Basement)

Sample Location	Sample Date	Tetrachloroethene
Sump	04/04/24	<0.00041
	03/01/24	<0.00041
	02/01/24	<0.00041
	01/05/24	<0.00041
	12/11/23	<0.00041
	11/07/23	<0.00041
	10/05/23	<0.00041
	09/27/23	<0.00041
	09/19/23	<0.00041
	09/14/23	<0.00041
	09/05/23	**0.0026**
PAL[1]		**0.0005**
Enforcement Standard[2]		**0.005**

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

Table A.6. Water Level Elevations

Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-1	98.08 (2022 survey)	04/25/29	2.12	95.96
		01/22/24	1.55	96.53
		10/30/23	2.82	95.26
		05/09/23	1.73	96.35
		01/06/23	2.28	95.80
		10/03/22	3.05	95.03
		08/02/22	2.69	95.39
		04/11/22	1.18	96.90
		02/03/22	5.52	92.56
		01/24/22	4.22	93.83
	99.13 (2015 survey)	11/11/21	3.97	95.16
		08/31/21	3.75	95.38
		05/03/21	2.97	96.16
		01/18/21	3.34	95.79
		10/12/20	Obstructed	--
		07/14/20	1.79	97.34
		05/05/20	1.80	97.33
		01/17/20	2.74	96.39
		10/24/19	3.07	96.06
		07/07/19	3.46	95.67
		04/29/19	2.35	96.78
		01/25/19	4.65	94.48
		10/11/18	1.66	97.47
		07/30/18	3.32	95.81
		04/08/18	2.24	96.89
		02/27/18	1.58	97.55
		05/30/17	2.17	96.96
		04/24/15	1.46	97.67
		03/30/15	1.98	97.15
		01/27/15	3.93	95.20
MW-2	99.32 (2022 survey)	04/25/29	Inaccessible	--
		01/22/24	6.55	92.77
		10/30/23	7.21	92.11
		05/09/23	7.15	92.17
		01/06/23	7.68	91.64
		10/03/22	7.46	91.86
		08/02/22	6.95	92.37
		04/11/22	6.57	92.75
		02/03/22	9.32	90.00
		01/24/22	8.20	91.12

Table A.6. Water Level Elevations

Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-2	100.75 (2015 survey)	11/11/21	7.99	92.76
		08/31/21	7.70	93.05
		05/03/21	7.55	93.20
		01/18/21	8.12	92.63
		10/12/20	7.82	92.93
		07/14/20	6.36	94.39
		05/05/20	6.24	94.51
		01/17/20	6.83	93.92
		10/24/19	Obstructed	--
		07/07/19	7.51	93.24
		04/29/19	8.47	92.28
		01/25/19	8.42	92.33
		10/11/18	6.45	94.30
		07/30/18	7.45	93.30
		04/08/18	8.36	92.39
		02/27/18	8.54	92.21
		05/30/17	7.95	92.80
		04/24/15	7.21	93.54
		03/30/15	8.01	92.74
		01/27/15	8.60	92.15
MW-3	98.97 (2022 survey)	04/25/29	2.89	96.08
		01/22/24	2.25	96.72
		10/30/23	3.45	95.52
		05/09/23	2.60	96.37
		01/06/23	3.30	95.67
		10/03/22	5.71	93.26
		08/02/22	<1	≈98.97
		04/11/22	1.85	91.12
		02/03/22	5.20	93.77
		01/24/22	4.90	94.07
	100.05 (2015 survey)	11/11/21	4.12	95.93
		08/31/21	4.37	95.68
		05/03/21	3.45	96.60
		01/18/21	4.50	95.55
		10/12/20	4.25	95.80
		07/14/20	3.37	96.68
		05/05/20	2.27	97.78
		01/17/20	3.20	96.85
		10/24/19	3.61	96.44
		07/07/19	3.73	96.32
		04/29/19	2.61	97.44
		01/25/19	4.44	95.61
		10/11/18	2.35	97.70
		07/30/18	3.62	96.43
		04/08/18	2.53	97.52
		02/27/18	2.43	97.62
		05/30/17	2.45	97.60
		04/24/15	2.27	97.78
		03/30/15	2.73	97.32
		01/27/15	4.46	95.59

Table A.6. Water Level Elevations

Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-4	99.75 (2022 survey)	04/25/29	5.22	94.53
		01/22/24	4.89	94.86
		10/30/23	5.20	94.55
		05/09/23	5.23	94.52
		01/06/23	4.50	95.25
		10/03/22	5.59	94.16
		08/02/22	5.75	94.00
		04/11/22	5.20	94.55
		02/03/22	8.86	90.89
		01/24/22	7.75	92.00
	100.57 (2015 survey)	11/11/21	6.78	93.79
		08/31/21	6.51	94.06
		05/03/21	6.19	94.38
		01/18/21	6.51	94.06
		10/12/20	6.65	93.92
		07/14/20	5.34	95.23
		05/05/20	5.07	95.50
		01/17/20	6.21	94.36
		10/24/19	6.14	94.43
		07/07/19	6.98	93.59
		04/29/19	7.30	93.27
		01/25/19	6.88	93.69
		10/11/18	5.43	95.14
		07/30/18	6.91	93.66
		04/08/18	7.26	93.31
		02/27/18	7.23	93.34
		05/30/17	6.38	94.19
		04/24/15	5.94	94.63
		03/30/15	7.04	93.53
		01/27/15	6.53	94.04
MW-5	99.36 (2022 survey)	04/25/29	5.79	93.57
		01/22/24	5.85	93.51
		10/30/23	5.88	93.48
		05/09/23	5.80	93.56
		01/06/23	5.99	93.37
		10/03/22	6.21	93.15
		08/02/22	6.24	93.12
		04/11/22	5.96	93.40
		02/03/22	7.42	91.94
		01/24/22	7.13	92.23

Table A.6. Water Level Elevations

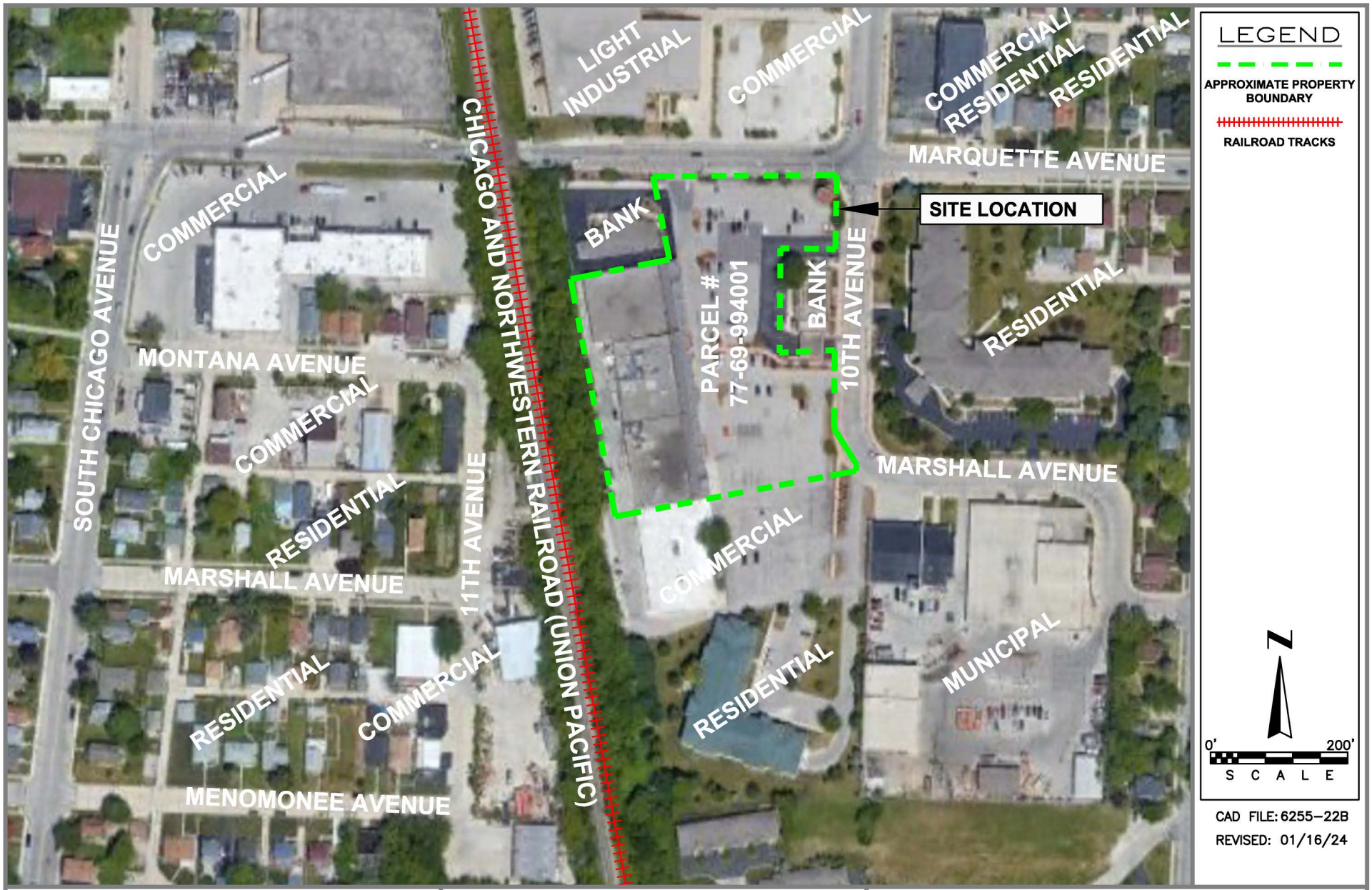
Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-5	100.24 (2015 survey)	11/11/21	6.69	93.55
		08/31/21	6.48	93.76
		05/03/21	6.25	93.99
		01/18/21	5.90	94.34
		10/12/20	6.30	93.94
		07/14/20	5.84	94.39
		05/05/20	5.83	94.41
		01/17/20	5.87	94.37
		10/24/19	5.98	94.26
		07/07/19	6.25	93.99
		04/29/19	6.33	93.91
		01/25/19	6.35	93.89
		10/11/18	5.85	94.39
		07/30/18	6.19	94.05
		04/08/18	6.27	93.97
		02/27/18	6.15	94.09
		05/30/17	5.96	94.28
		04/24/15	5.92	94.32
		03/30/15	6.26	93.98
		01/27/15	6.50	93.74
MW-201	99.43 (2022 survey)	04/25/29	7.11	92.32
		01/22/24	7.02	92.41
		10/30/23	8.20	91.23
		05/09/23	7.36	92.07
		01/06/23	8.00	91.43
		10/03/22	7.50	91.93
		08/02/22	7.45	91.98
		04/11/22	6.48	92.96
		02/03/22	8.67	90.76
		01/24/22	8.48	90.95
	100.10 (2015 survey)	11/11/21	8.12	91.98
		08/31/21	7.78	92.32
		05/03/21	7.56	92.54
		01/18/21	8.24	91.86
		10/12/20	7.95	92.15
		07/14/20	7.11	92.29
		05/05/20	6.44	93.66
		01/17/20	7.00	93.10
		10/24/19	6.57	93.53
		07/07/19	6.72	93.38
		04/29/19	6.82	93.28
		01/25/19	6.88	93.22
		10/11/18	6.22	93.88
		07/30/18	6.69	93.41
		04/08/18	6.79	93.34
		02/27/18	6.46	93.64
		05/30/17	6.26	93.84
		04/24/15	5.91	94.19
		03/30/15	6.28	93.82
		01/27/15	Not Installed	Not Installed

Table A.6. Water Level Elevations

Monitoring Well	Top of Casing Elevation*	Date	Measured Depth to Groundwater (ft)	Relative Groundwater Elevation (ft)
MW-600	97.72 (2022 survey)	04/25/29	Inaccessible	--
		01/22/24	7.43	90.29
		10/30/23	7.68	90.04
		05/09/23	Inaccessible	--
		01/06/23	8.02	89.70
		10/03/22	7.58	90.14
		08/02/22	8.76	88.96
		04/11/22	Inaccessible	--
		02/03/22	9.60	88.12
		01/24/22	8.80	88.92
MW-601	98.11 (2022 survey)	04/25/29	8.98	89.13
		01/22/24	Inaccessible	--
		10/30/23	9.11	89.00
		05/09/23	9.02	89.09
		01/06/23	8.80	89.31
		10/03/22	8.81	89.30
		08/02/22	9.09	89.02
		04/11/22	9.27	88.84
		02/03/22	10.41	87.70
		01/24/22	10.12	87.99
MW-602	99.18 (2022 survey)	04/25/29	7.53	91.65
		01/22/24	7.78	91.40
		10/30/23	9.03	90.15
		05/09/23	8.32	90.86
		01/06/23	9.09	90.09
		10/03/22	9.12	90.06
		08/02/22	9.22	89.96
		04/11/22	8.36	90.82
		02/03/22	10.30	88.88
		01/24/22	10.21	88.97
MW-603	99.52 (2022 survey)	04/25/29	4.84	94.68
		01/22/24	4.88	94.64
		10/30/23	5.57	93.95
		05/09/23	5.77	93.75
		01/06/23	5.98	93.54
		10/03/22	5.51	94.01
		08/02/22	5.52	94.00
		04/11/22	5.14	94.38
		02/03/22	6.54	92.98
		01/24/22	6.42	93.10

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

APPENDIX B
FIGURES

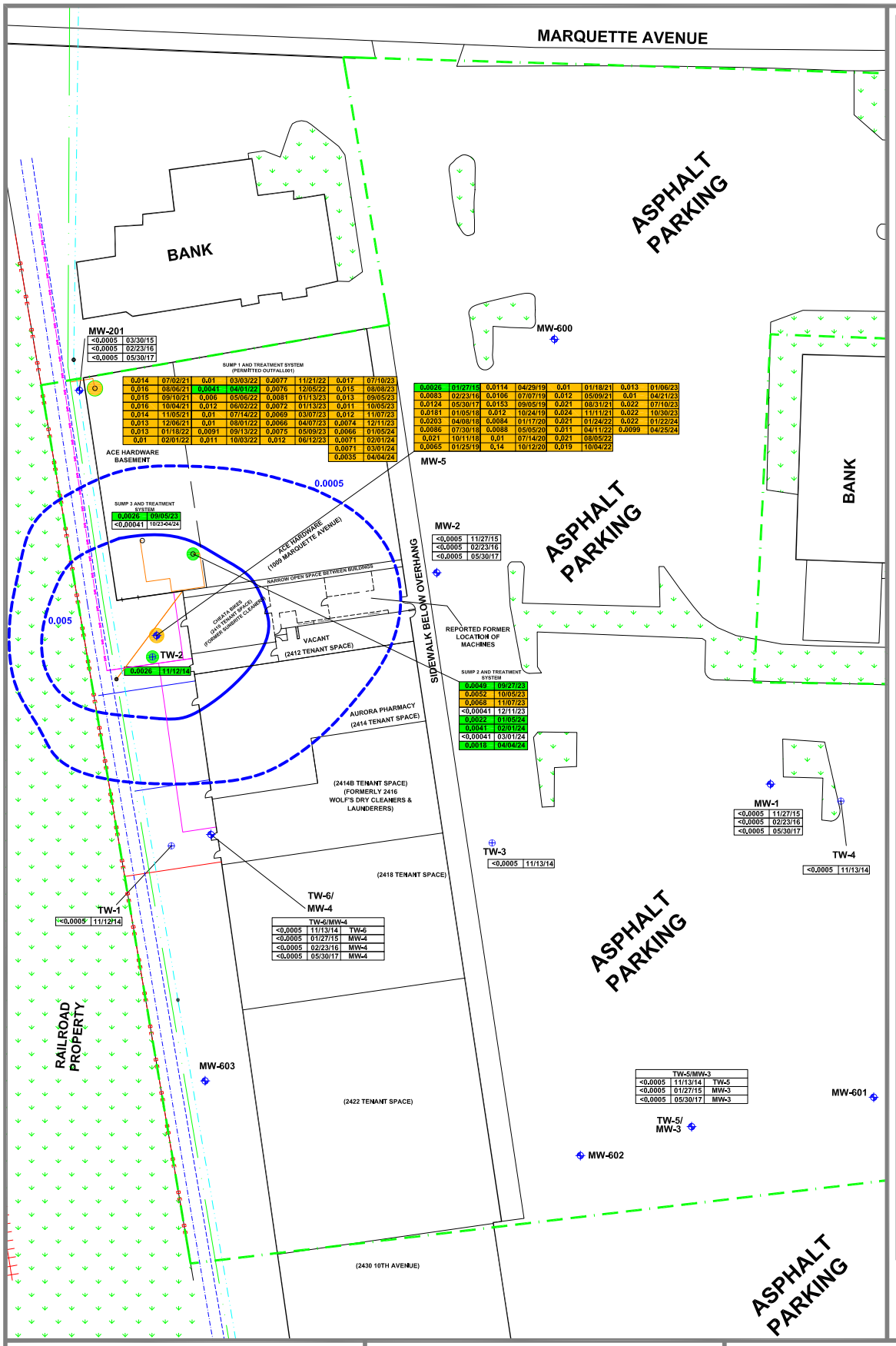


CAD FILE: 6255–22B
REVISED: 01/16/24

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER-FORMER DRY CLEANER
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
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED PAL EXCEEDANCE FOR PERC
- OBSERVED PAL AND ES EXCEEDANCE FOR PERC

PERC CONC. mg/L	SAMPLE DATE

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

N

0' 65'

S C A L E

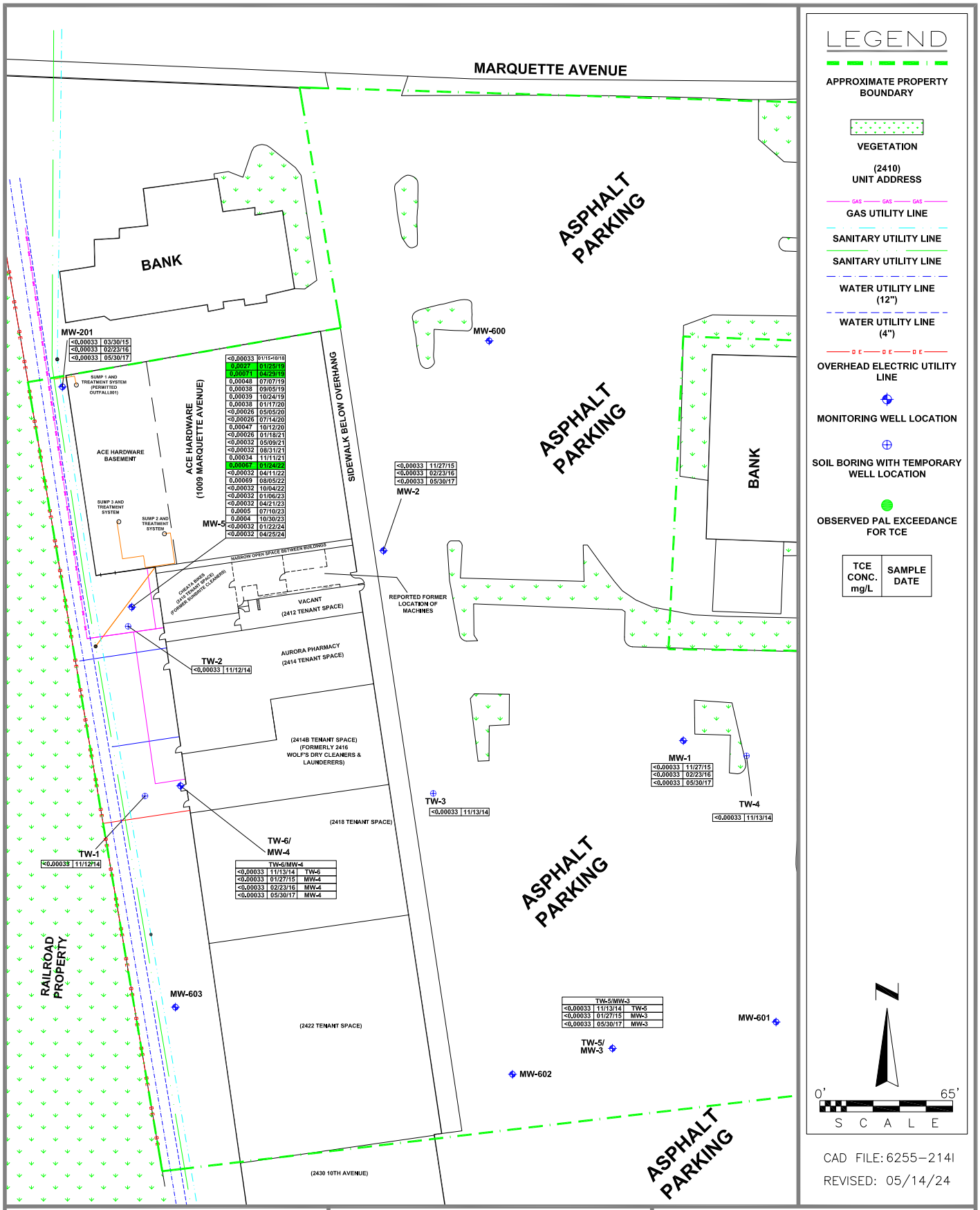
CAD FILE: 6255-212J

REVISED: 05/14/24

ENVIRONMENTAL

SUNRISE SHOPPING CTR-FMR DRY CLEANER
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
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED PAL EXCEEDANCE FOR TCE

TCE CONC. mg/L	SAMPLE DATE

N

0' 65'

S C A L E

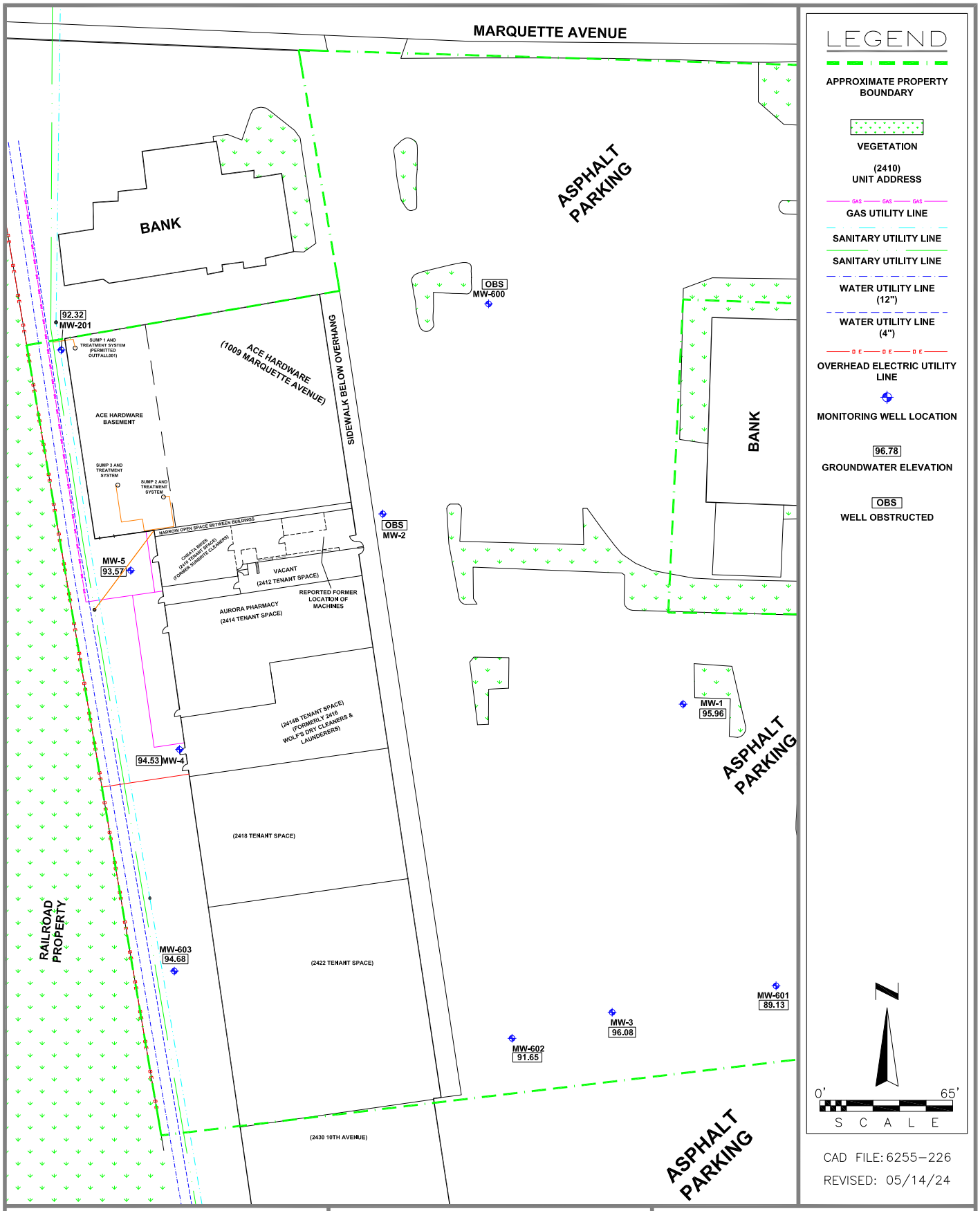
CAD FILE: 6255-214I

REVISED: 05/14/24

ENVIRONMENTAL DAI

SUNRISE SHOPPING CTR-FMR DRY CLEANER
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

GAS UTILITY LINE

SANITARY UTILITY LINE

SANITARY UTILITY LINE

WATER UTILITY LINE (12")

WATER UTILITY LINE (4")

OVERHEAD ELECTRIC UTILITY LINE

MONITORING WELL LOCATION

96.78
GROUNDWATER ELEVATION

OBS
WELL OBSTRUCTED

N

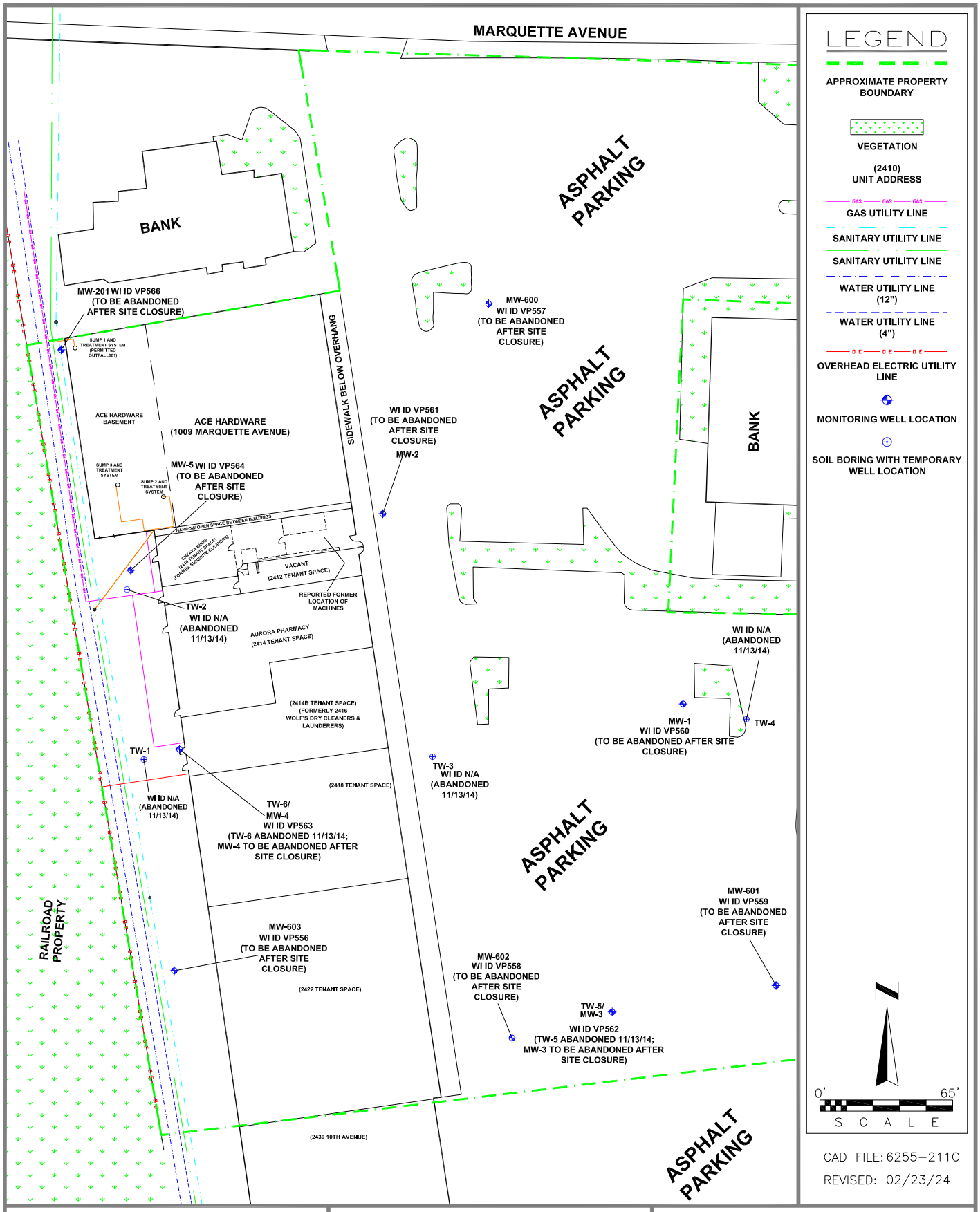
0' 65'
S C A L E

CAD FILE: 6255-226
REVISED: 05/14/24

ENVIRONMENTAL DAI

SUNRISE SHOPPING CTR-FMR DRY CLEANER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.c.28
GROUNDWATER ELEVATION MAP
(APRIL 25, 2024)



CAD FILE: 6255-211C

REVISED: 02/23/24

ENVIRONMENTAL

SUNRISE SHOPPING CTR-FMR DRY CLEANER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.d
MONITORING WELLS

APPENDIX C.1.E
LABORATORY ANALYTICAL REPORT
(SECOND QUARTER 2024)

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

May 02, 2024

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

RE: Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

Dear Chris Cailles:

Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,

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

Enclosures

cc: Jenny Rovzar, DAI

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

CERTIFICATIONS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40277538001	**MW-5**	Water	04/25/24 14:45	04/30/24 09:00

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

SAMPLE ANALYTE COUNT

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40277538001	**MW-5**	EPA 8260	CXJ	64

PASI-G = Pace Analytical Services - Green Bay

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

SUMMARY OF DETECTION

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40277538001	**MW-5**					
EPA 8260	Tetrachloroethene	0.0099	mg/L	0.0010	05/01/24 15:57	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

Sample: MW-5 **Lab ID: 40277538001** Collected: 04/25/24 14:45 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Benzene	**<0.00030**	mg/L	0.0010	0.00030	1		05/01/24 15:57	71-43-2	
Bromobenzene	**<0.00036**	mg/L	0.0010	0.00036	1		05/01/24 15:57	108-86-1	
Bromochloromethane	**<0.00036**	mg/L	0.0010	0.00036	1		05/01/24 15:57	74-97-5	
Bromodichloromethane	**<0.00021**	mg/L	0.0010	0.00021	1		05/01/24 15:57	75-27-4	
Bromoform	**<0.00043**	mg/L	0.0010	0.00043	1		05/01/24 15:57	75-25-2	
Bromomethane	**<0.0012**	mg/L	0.0050	0.0012	1		05/01/24 15:57	74-83-9	
n-Butylbenzene	**<0.00086**	mg/L	0.0010	0.00086	1		05/01/24 15:57	104-51-8	
sec-Butylbenzene	**<0.00042**	mg/L	0.0010	0.00042	1		05/01/24 15:57	135-98-8	
tert-Butylbenzene	**<0.00059**	mg/L	0.0010	0.00059	1		05/01/24 15:57	98-06-6	
Carbon tetrachloride	**<0.00037**	mg/L	0.0010	0.00037	1		05/01/24 15:57	56-23-5	
Chlorobenzene	**<0.00086**	mg/L	0.0010	0.00086	1		05/01/24 15:57	108-90-7	
Chloroethane	**<0.0014**	mg/L	0.0050	0.0014	1		05/01/24 15:57	75-00-3	
Chloroform	**<0.00050**	mg/L	0.0050	0.00050	1		05/01/24 15:57	67-66-3	
Chloromethane	**<0.0016**	mg/L	0.0050	0.0016	1		05/01/24 15:57	74-87-3	
2-Chlorotoluene	**<0.00089**	mg/L	0.0050	0.00089	1		05/01/24 15:57	95-49-8	
4-Chlorotoluene	**<0.00089**	mg/L	0.0050	0.00089	1		05/01/24 15:57	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.00036**	mg/L	0.0050	0.00036	1		05/01/24 15:57	96-12-8	
Dibromochloromethane	**<0.0026**	mg/L	0.0050	0.0026	1		05/01/24 15:57	124-48-1	
1,2-Dibromoethane (EDB)	**<0.00031**	mg/L	0.0010	0.00031	1		05/01/24 15:57	106-93-4	
Dibromomethane	**<0.00099**	mg/L	0.0050	0.00099	1		05/01/24 15:57	74-95-3	
1,2-Dichlorobenzene	**<0.00033**	mg/L	0.0010	0.00033	1		05/01/24 15:57	95-50-1	
1,3-Dichlorobenzene	**<0.00035**	mg/L	0.0010	0.00035	1		05/01/24 15:57	541-73-1	
1,4-Dichlorobenzene	**<0.00089**	mg/L	0.0010	0.00089	1		05/01/24 15:57	106-46-7	
Dichlorodifluoromethane	**<0.00046**	mg/L	0.0050	0.00046	1		05/01/24 15:57	75-71-8	
1,1-Dichloroethane	**<0.00030**	mg/L	0.0010	0.00030	1		05/01/24 15:57	75-34-3	
1,2-Dichloroethane	**<0.00029**	mg/L	0.0010	0.00029	1		05/01/24 15:57	107-06-2	
1,1-Dichloroethene	**<0.00058**	mg/L	0.0010	0.00058	1		05/01/24 15:57	75-35-4	
cis-1,2-Dichloroethene	**<0.00047**	mg/L	0.0010	0.00047	1		05/01/24 15:57	156-59-2	
trans-1,2-Dichloroethene	**<0.00053**	mg/L	0.0010	0.00053	1		05/01/24 15:57	156-60-5	
1,2-Dichloropropane	**<0.00045**	mg/L	0.0010	0.00045	1		05/01/24 15:57	78-87-5	
1,3-Dichloropropane	**<0.00030**	mg/L	0.0010	0.00030	1		05/01/24 15:57	142-28-9	
2,2-Dichloropropane	**<0.00042**	mg/L	0.0010	0.00042	1		05/01/24 15:57	594-20-7	
1,1-Dichloropropene	**<0.00041**	mg/L	0.0010	0.00041	1		05/01/24 15:57	563-58-6	
cis-1,3-Dichloropropene	**<0.00024**	mg/L	0.0010	0.00024	1		05/01/24 15:57	10061-01-5	
trans-1,3-Dichloropropene	**<0.00027**	mg/L	0.0010	0.00027	1		05/01/24 15:57	10061-02-6	
Diisopropyl ether	**<0.0011**	mg/L	0.0050	0.0011	1		05/01/24 15:57	108-20-3	
Ethylbenzene	**<0.00033**	mg/L	0.0010	0.00033	1		05/01/24 15:57	100-41-4	
Hexachloro-1,3-butadiene	**<0.0027**	mg/L	0.0050	0.0027	1		05/01/24 15:57	87-68-3	
Isopropylbenzene (Cumene)	**<0.0010**	mg/L	0.0050	0.0010	1		05/01/24 15:57	98-82-8	
p-Isopropyltoluene	**<0.0010**	mg/L	0.0050	0.0010	1		05/01/24 15:57	99-87-6	
Methylene Chloride	**<0.00032**	mg/L	0.0050	0.00032	1		05/01/24 15:57	75-09-2	
Methyl-tert-butyl ether	**<0.0011**	mg/L	0.0050	0.0011	1		05/01/24 15:57	1634-04-4	
Naphthalene	**<0.0019**	mg/L	0.0050	0.0019	1		05/01/24 15:57	91-20-3	
n-Propylbenzene	**<0.00035**	mg/L	0.0010	0.00035	1		05/01/24 15:57	103-65-1	
Styrene	**<0.00036**	mg/L	0.0010	0.00036	1		05/01/24 15:57	100-42-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

Sample: MW-5 **Lab ID: 40277538001** Collected: 04/25/24 14:45 Received: 04/30/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.00036**	mg/L	0.0010	0.00036	1		05/01/24 15:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.00025**	mg/L	0.0010	0.00025	1		05/01/24 15:57	79-34-5	
Tetrachloroethene	**0.0099**	mg/L	0.0010	0.00041	1		05/01/24 15:57	127-18-4	
Toluene	**<0.00029**	mg/L	0.0010	0.00029	1		05/01/24 15:57	108-88-3	
1,2,3-Trichlorobenzene	**<0.0010**	mg/L	0.0050	0.0010	1		05/01/24 15:57	87-61-6	
1,2,4-Trichlorobenzene	**<0.00095**	mg/L	0.0050	0.00095	1		05/01/24 15:57	120-82-1	
1,1,1-Trichloroethane	**<0.00030**	mg/L	0.0010	0.00030	1		05/01/24 15:57	71-55-6	
1,1,2-Trichloroethane	**<0.00034**	mg/L	0.0010	0.00034	1		05/01/24 15:57	79-00-5	
Trichloroethene	**<0.00032**	mg/L	0.0010	0.00032	1		05/01/24 15:57	79-01-6	
Trichlorofluoromethane	**<0.00042**	mg/L	0.0010	0.00042	1		05/01/24 15:57	75-69-4	
1,2,3-Trichloropropane	**<0.00056**	mg/L	0.0010	0.00056	1		05/01/24 15:57	96-18-4	
1,2,4-Trimethylbenzene	**<0.00045**	mg/L	0.0010	0.00045	1		05/01/24 15:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.00036**	mg/L	0.0010	0.00036	1		05/01/24 15:57	108-67-8	
Vinyl chloride	**<0.00017**	mg/L	0.0010	0.00017	1		05/01/24 15:57	75-01-4	
m&p-Xylene	**<0.00070**	mg/L	0.0020	0.00070	1		05/01/24 15:57	179601-23-1	
o-Xylene	**<0.00035**	mg/L	0.0010	0.00035	1		05/01/24 15:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		05/01/24 15:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		05/01/24 15:57	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		05/01/24 15:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

QC Batch: 473145
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40277538001

METHOD BLANK: 2709943 Matrix: Water
Associated Lab Samples: 40277538001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	<0.00036	0.0010	05/01/24 09:25	
1,1,1-Trichloroethane	mg/L	<0.00030	0.0010	05/01/24 09:25	
1,1,2,2-Tetrachloroethane	mg/L	<0.00025	0.0010	05/01/24 09:25	
1,1,2-Trichloroethane	mg/L	<0.00034	0.0010	05/01/24 09:25	
1,1-Dichloroethane	mg/L	<0.00030	0.0010	05/01/24 09:25	
1,1-Dichloroethene	mg/L	<0.00058	0.0010	05/01/24 09:25	
1,1-Dichloropropene	mg/L	<0.00041	0.0010	05/01/24 09:25	
1,2,3-Trichlorobenzene	mg/L	<0.0010	0.0050	05/01/24 09:25	
1,2,3-Trichloropropane	mg/L	<0.00056	0.0010	05/01/24 09:25	
1,2,4-Trichlorobenzene	mg/L	<0.00095	0.0050	05/01/24 09:25	
1,2,4-Trimethylbenzene	mg/L	<0.00045	0.0010	05/01/24 09:25	
1,2-Dibromo-3-chloropropane	mg/L	<0.00036	0.0050	05/01/24 09:25	
1,2-Dibromoethane (EDB)	mg/L	<0.00031	0.0010	05/01/24 09:25	
1,2-Dichlorobenzene	mg/L	<0.00033	0.0010	05/01/24 09:25	
1,2-Dichloroethane	mg/L	<0.00029	0.0010	05/01/24 09:25	
1,2-Dichloropropane	mg/L	<0.00045	0.0010	05/01/24 09:25	
1,3,5-Trimethylbenzene	mg/L	<0.00036	0.0010	05/01/24 09:25	
1,3-Dichlorobenzene	mg/L	<0.00035	0.0010	05/01/24 09:25	
1,3-Dichloropropane	mg/L	<0.00030	0.0010	05/01/24 09:25	
1,4-Dichlorobenzene	mg/L	<0.00089	0.0010	05/01/24 09:25	
2,2-Dichloropropane	mg/L	<0.00042	0.0010	05/01/24 09:25	
2-Chlorotoluene	mg/L	<0.00089	0.0050	05/01/24 09:25	
4-Chlorotoluene	mg/L	<0.00089	0.0050	05/01/24 09:25	
Benzene	mg/L	<0.00030	0.0010	05/01/24 09:25	
Bromobenzene	mg/L	<0.00036	0.0010	05/01/24 09:25	
Bromochloromethane	mg/L	<0.00036	0.0010	05/01/24 09:25	
Bromodichloromethane	mg/L	<0.00021	0.0010	05/01/24 09:25	
Bromoform	mg/L	<0.00043	0.0010	05/01/24 09:25	
Bromomethane	mg/L	<0.0012	0.0050	05/01/24 09:25	
Carbon tetrachloride	mg/L	<0.00037	0.0010	05/01/24 09:25	
Chlorobenzene	mg/L	<0.00086	0.0010	05/01/24 09:25	
Chloroethane	mg/L	<0.0014	0.0050	05/01/24 09:25	
Chloroform	mg/L	<0.00050	0.0050	05/01/24 09:25	
Chloromethane	mg/L	<0.0016	0.0050	05/01/24 09:25	
cis-1,2-Dichloroethene	mg/L	<0.00047	0.0010	05/01/24 09:25	
cis-1,3-Dichloropropene	mg/L	<0.00024	0.0010	05/01/24 09:25	
Dibromochloromethane	mg/L	<0.0026	0.0050	05/01/24 09:25	
Dibromomethane	mg/L	<0.00099	0.0050	05/01/24 09:25	
Dichlorodifluoromethane	mg/L	<0.00046	0.0050	05/01/24 09:25	
Diisopropyl ether	mg/L	<0.0011	0.0050	05/01/24 09:25	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

METHOD BLANK: 2709943 Matrix: Water
Associated Lab Samples: 40277538001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/L	<0.00033	0.0010	05/01/24 09:25	
Hexachloro-1,3-butadiene	mg/L	<0.0027	0.0050	05/01/24 09:25	
Isopropylbenzene (Cumene)	mg/L	<0.0010	0.0050	05/01/24 09:25	
m&p-Xylene	mg/L	<0.00070	0.0020	05/01/24 09:25	
Methyl-tert-butyl ether	mg/L	<0.0011	0.0050	05/01/24 09:25	
Methylene Chloride	mg/L	<0.00032	0.0050	05/01/24 09:25	
n-Butylbenzene	mg/L	<0.00086	0.0010	05/01/24 09:25	
n-Propylbenzene	mg/L	<0.00035	0.0010	05/01/24 09:25	
Naphthalene	mg/L	<0.0019	0.0050	05/01/24 09:25	
o-Xylene	mg/L	<0.00035	0.0010	05/01/24 09:25	
p-Isopropyltoluene	mg/L	<0.0010	0.0050	05/01/24 09:25	
sec-Butylbenzene	mg/L	<0.00042	0.0010	05/01/24 09:25	
Styrene	mg/L	<0.00036	0.0010	05/01/24 09:25	
tert-Butylbenzene	mg/L	<0.00059	0.0010	05/01/24 09:25	
Tetrachloroethene	mg/L	<0.00041	0.0010	05/01/24 09:25	
Toluene	mg/L	<0.00029	0.0010	05/01/24 09:25	
trans-1,2-Dichloroethene	mg/L	<0.00053	0.0010	05/01/24 09:25	
trans-1,3-Dichloropropene	mg/L	<0.00027	0.0010	05/01/24 09:25	
Trichloroethene	mg/L	<0.00032	0.0010	05/01/24 09:25	
Trichlorofluoromethane	mg/L	<0.00042	0.0010	05/01/24 09:25	
Vinyl chloride	mg/L	<0.00017	0.0010	05/01/24 09:25	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130	05/01/24 09:25	
4-Bromofluorobenzene (S)	%	104	70-130	05/01/24 09:25	
Toluene-d8 (S)	%	104	70-130	05/01/24 09:25	

LABORATORY CONTROL SAMPLE: 2709944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	0.05	0.051	102	70-132	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.056	112	70-130	
1,1,2-Trichloroethane	mg/L	0.05	0.053	105	70-130	
1,1-Dichloroethane	mg/L	0.05	0.050	100	70-130	
1,1-Dichloroethene	mg/L	0.05	0.045	89	73-140	
1,2,4-Trichlorobenzene	mg/L	0.05	0.045	90	70-130	
1,2-Dibromo-3-chloropropane	mg/L	0.05	0.050	101	58-130	
1,2-Dibromoethane (EDB)	mg/L	0.05	0.049	99	70-130	
1,2-Dichlorobenzene	mg/L	0.05	0.050	99	70-130	
1,2-Dichloroethane	mg/L	0.05	0.052	104	70-130	
1,2-Dichloropropane	mg/L	0.05	0.054	108	77-127	
1,3-Dichlorobenzene	mg/L	0.05	0.050	100	70-130	
1,4-Dichlorobenzene	mg/L	0.05	0.050	101	70-130	
Benzene	mg/L	0.05	0.048	97	70-130	
Bromodichloromethane	mg/L	0.05	0.055	110	70-130	
Bromoform	mg/L	0.05	0.046	92	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

LABORATORY CONTROL SAMPLE: 2709944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/L	0.05	0.038	75	22-141	
Carbon tetrachloride	mg/L	0.05	0.056	112	70-135	
Chlorobenzene	mg/L	0.05	0.050	101	70-130	
Chloroethane	mg/L	0.05	0.056	112	59-141	
Chloroform	mg/L	0.05	0.051	103	80-124	
Chloromethane	mg/L	0.05	0.029	58	29-150	
cis-1,2-Dichloroethene	mg/L	0.05	0.045	90	70-130	
cis-1,3-Dichloropropene	mg/L	0.05	0.053	106	70-130	
Dibromochloromethane	mg/L	0.05	0.046	92	70-130	
Dichlorodifluoromethane	mg/L	0.05	0.010	20	10-147	
Ethylbenzene	mg/L	0.05	0.053	106	80-125	
Isopropylbenzene (Cumene)	mg/L	0.05	0.053	106	70-130	
m&p-Xylene	mg/L	0.1	0.10	101	70-130	
Methyl-tert-butyl ether	mg/L	0.05	0.054	109	64-131	
Methylene Chloride	mg/L	0.05	0.053	106	70-137	
o-Xylene	mg/L	0.05	0.050	101	70-130	
Styrene	mg/L	0.05	0.053	106	70-130	
Tetrachloroethene	mg/L	0.05	0.051	101	70-130	
Toluene	mg/L	0.05	0.050	100	80-120	
trans-1,2-Dichloroethene	mg/L	0.05	0.053	105	70-131	
trans-1,3-Dichloropropene	mg/L	0.05	0.056	111	70-130	
Trichloroethene	mg/L	0.05	0.050	100	70-130	
Trichlorofluoromethane	mg/L	0.05	0.046	91	69-141	
Vinyl chloride	mg/L	0.05	0.033	66	51-145	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2710263 2710264

Parameter	Units	40277339014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	mg/L	<0.30 ug/L	0.05	0.05	0.050	0.050	100	99	70-132	0	20	
1,1,2,2-Tetrachloroethane	mg/L	<0.25 ug/L	0.05	0.05	0.053	0.055	106	110	70-131	3	20	
1,1,2-Trichloroethane	mg/L	<0.34 ug/L	0.05	0.05	0.051	0.053	102	107	70-130	5	20	
1,1-Dichloroethane	mg/L	<0.30 ug/L	0.05	0.05	0.050	0.051	101	102	70-131	1	20	
1,1-Dichloroethene	mg/L	<0.58 ug/L	0.05	0.05	0.043	0.044	87	88	69-146	2	20	
1,2,4-Trichlorobenzene	mg/L	<0.95 ug/L	0.05	0.05	0.046	0.046	93	92	70-130	1	20	
1,2-Dibromo-3-chloropropane	mg/L	<0.36 ug/L	0.05	0.05	0.051	0.054	101	109	56-130	7	20	
1,2-Dibromoethane (EDB)	mg/L	<0.31 ug/L	0.05	0.05	0.048	0.050	96	100	70-130	5	20	
1,2-Dichlorobenzene	mg/L	<0.33 ug/L	0.05	0.05	0.050	0.050	100	100	70-130	0	20	
1,2-Dichloroethane	mg/L	<0.29 ug/L	0.05	0.05	0.053	0.054	105	107	70-130	2	20	
1,2-Dichloropropane	mg/L	<0.45 ug/L	0.05	0.05	0.053	0.054	105	109	77-129	3	20	
1,3-Dichlorobenzene	mg/L	<0.35 ug/L	0.05	0.05	0.050	0.051	101	101	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2710263 2710264

Parameter	Units	40277339014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	mg/L	<0.89 ug/L	0.05	0.05	0.050	0.052	101	103	70-130	3	20	
Benzene	mg/L	<0.30 ug/L	0.05	0.05	0.049	0.049	97	97	70-130	0	20	
Bromodichloromethane	mg/L	<0.21 ug/L	0.05	0.05	0.055	0.055	110	110	70-130	0	20	
Bromoform	mg/L	<0.43 ug/L	0.05	0.05	0.045	0.047	90	94	70-130	5	20	
Bromomethane	mg/L	<1.2 ug/L	0.05	0.05	0.043	0.043	87	86	12-159	1	26	
Carbon tetrachloride	mg/L	<0.37 ug/L	0.05	0.05	0.055	0.056	110	112	70-135	2	20	
Chlorobenzene	mg/L	<0.86 ug/L	0.05	0.05	0.050	0.052	101	104	70-130	3	20	
Chloroethane	mg/L	<1.4 ug/L	0.05	0.05	0.054	0.055	107	111	56-143	3	20	
Chloroform	mg/L	<0.50 ug/L	0.05	0.05	0.051	0.052	103	105	80-126	2	20	
Chloromethane	mg/L	<1.6 ug/L	0.05	0.05	0.027	0.027	55	53	22-156	3	20	
cis-1,2-Dichloroethene	mg/L	<0.47 ug/L	0.05	0.05	0.045	0.045	91	91	70-130	0	20	
cis-1,3-Dichloropropene	mg/L	<0.24 ug/L	0.05	0.05	0.053	0.053	107	106	70-130	1	20	
Dibromochloromethane	mg/L	<2.6 ug/L	0.05	0.05	0.047	0.048	94	97	70-130	3	20	
Dichlorodifluoromethane	mg/L	<0.46 ug/L	0.05	0.05	0.010	0.0085	20	17	10-147	16	20	
Ethylbenzene	mg/L	<0.33 ug/L	0.05	0.05	0.052	0.054	104	108	80-126	4	20	
Isopropylbenzene (Cumene)	mg/L	<1.0 ug/L	0.05	0.05	0.053	0.055	106	110	70-130	4	20	
m&p-Xylene	mg/L	<0.70 ug/L	0.1	0.1	0.10	0.11	103	106	70-130	3	20	
Methyl-tert-butyl ether	mg/L	<1.1 ug/L	0.05	0.05	0.054	0.053	108	107	64-136	1	20	
Methylene Chloride	mg/L	<0.32 ug/L	0.05	0.05	0.053	0.053	106	107	70-137	0	20	
o-Xylene	mg/L	<0.35 ug/L	0.05	0.05	0.049	0.051	99	103	70-130	4	20	
Styrene	mg/L	<0.36 ug/L	0.05	0.05	0.053	0.054	106	109	70-133	2	20	
Tetrachloroethene	mg/L	<0.41 ug/L	0.05	0.05	0.049	0.050	98	100	70-131	3	20	
Toluene	mg/L	<0.29 ug/L	0.05	0.05	0.049	0.051	99	102	80-121	3	20	
trans-1,2-Dichloroethene	mg/L	<0.53 ug/L	0.05	0.05	0.050	0.052	99	103	70-135	4	20	
trans-1,3-Dichloropropene	mg/L	<0.27 ug/L	0.05	0.05	0.056	0.058	113	116	70-130	3	20	
Trichloroethene	mg/L	<0.32 ug/L	0.05	0.05	0.050	0.050	100	100	70-130	0	20	
Trichlorofluoromethane	mg/L	<0.42 ug/L	0.05	0.05	0.045	0.045	90	90	67-142	1	20	
Vinyl chloride	mg/L	<0.17 ug/L	0.05	0.05	0.033	0.032	66	64	45-147	3	20	
1,2-Dichlorobenzene-d4 (S)	%						101	100	70-130			
4-Bromofluorobenzene (S)	%						104	106	70-130			
Toluene-d8 (S)	%						103	102	70-130			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

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 - The reported result is an estimated value.

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.

DL - Adjusted Method Detection Limit.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 S. MILWAUKEE
Pace Project No.: 40277538

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40277538001	**MW-5**	EPA 8260	473145		

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

40277538

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

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

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

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
01	MW-5	4/25/24	14:45	GW	N	B	VOC			

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

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

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

Relinquished By	Date/Time	Received By	Date/Time
Christopher Calles	4/29/24 16:20	[illegible]	4/29/24 4:20pm
[illegible]/CS Logistics	4/29/24 20:00		
CS Logistics	4/30/24 0900	[illegible]	4/30/24 0900

PACE Project No.

Receipt Temp = 3.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6 0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Preservation Receipt Form

Client Name: DAI Project # 40277538

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	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001																	S																	2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
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018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

mt 4/30/24

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

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Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40277538

40277538

Client Name: DAI

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

Tracking #: _____

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

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

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

Thermometer Used SR - 120 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 3.0 /Corr: 3.0

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: 4/30/24 /Initials: mH

Labeled By Initials: YA

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. mailing, invoice mH 4/30/24
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume:		8.
For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	
Correct Containers Used:	☒Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:	W	
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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