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March 5, 2018

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

Re: ***Site Investigation Report Amendment Addendum***
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 *Site Investigation Report Amendment Addendum* (SIR Addendum) for the Sunrise Shopping Center facility located at the above-referenced address. This SIR Addendum is provided in response to the Wisconsin Department of Natural Resources (WDNR) letter of December 5, 2017, that requested clarification of or additional information, including further groundwater and vapor sampling, prior to approving the completion of Site Investigations in compliance with NR 716 requirements. This SIR Addendum provides a summary of the additional sampling investigations and results, addressed each of WDNR's December 2017 comments, and includes new or updated supporting documentation within the appendices. Supporting documentation previously submitted with the *Site Investigation Report Amendment* dated September 18, 2017, that remains unchanged is not included in the appendices to this SIR Addendum. As required, this SIR Addendum and all supporting documentation are also being submitted electronically to WDNR.

This SIR Amendment is also submitted to obtain concurrence from the WDNR that evaluation of remedial action options may proceed. After obtaining approval, a Remedial Action Options Report and Design Report will be submitted to WDNR proposing the remedial actions necessary to address the observed soil, groundwater, and vapor contamination.

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

cc: Steven Dukatt – Carol Investment Corporation (w/enclosure)

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SITE INVESTIGATION REPORT AMENDMENT ADDENDUM
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

February 28, 2018

DAI Project Number: 6255

Prepared For:
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1.0 INTRODUCTION

A *Site Investigation Report Amendment* (SIR Amendment) dated September 18, 2017, and a *Supplemental Information to Site Investigation Report Amendment* (Supplemental Information) dated November 16, 2017, were submitted by DAI Environmental, Inc., (DAI) for the Sunrise Shopping Center located at 2410-2424 10th Avenue and 1009 Marquette Avenue in South Milwaukee, Wisconsin (Site). In a letter dated December 5, 2017, Wisconsin Department of Natural Resources (WDNR) issued a response letter indicating that further Site Investigations must be completed per NR 716 requirements before approval of completion of Site Investigation activities. In the December 2017 letter, WDNR provided several comments requesting clarification of or additional information, including additional vapor and groundwater sampling. WDNR also provided comment that off-site notification of contamination was to be completed.

In a *Site Investigation Work Plan* (SIWP) dated December 28, 2017, preliminary responses to WDNR's comments were provided. The SIWP included the proposed plan for groundwater sampling, the locations of additional sub-slab vapor sampling, and a draft off-site notification to be submitted to Union Pacific (owner of the potentially impacted off-site property to the west). The additional vapor and groundwater sampling was conducted in January 2018.

This *Site Investigation Report Amendment Addendum* (SIR Addendum) provides a summary of the additional sampling investigations and results necessary to document completion of Site Investigations per NR 716 so that evaluation of remedial action options may proceed. Each of WDNR's December 2017 comments have been addressed within this SIR Addendum. All new or updated supporting documentation, such as summary tables and figures, are included in the appendices to this SIR Addendum. The portions of the September 2017 SIR Amendment that remain unchanged (e.g., laboratory reports, soil boring logs, etc.) are not re-submitted.

2.0 SUMMARY OF ADDITIONAL SITE INVESTIGATIONS

The September 2017 SIR Amendment provided a summary of the multiple phases of subsurface investigations completed between November 2014 and May 2017. Previous investigations included the installation of 84 soil borings, six (6) temporary monitoring wells, six (6) permanent monitoring wells, 12 sub-slab vapor points, three (3) soil gas borings, four (4) indoor air samples, and one (1) outdoor air sample. In response to WDNR's letter of December 5, 2017, four (4) additional sub-slab vapor points (SS-201 to SS-204) were installed on January 5, 2018, within the 2412 and 2414 10th Avenue tenant spaces for the purpose of verifying and delineating previously observed Naphthalene contamination in the SS-101 vapor sample. A fifth vapor sample (SS-Sump) was collected on January 5th from the Ace Hardware (1009 Marquette Avenue address) sump pit to assess potential indoor inhalation exposure to Tetrachloroethene (Perc) from contaminated groundwater collected in the sump. Figure B.1.b.2 provides all soil, groundwater, and air sample locations since beginning Site Investigation activities in November 2014.

In addition to the sub-slab vapor sampling, the first quarterly groundwater sampling event was completed on January 5, 2018. Groundwater samples were collected from all six (6) permanent monitoring wells (MW-1 to MW-5 and MW-201) for laboratory analysis of Polynuclear Aromatic Hydrocarbons (PAHs). MW-5 was also sampled for Volatile Organic Compounds (VOCs) to better evaluate the trend in Perc groundwater contamination. The stormwater sump in the Ace Hardware building was also re-sampled for VOCs to confirm the earlier result.

2.1 SAMPLING METHODOLOGY

2.1.1 Groundwater Sampling Procedures and Chemical Analysis

Groundwater samples were collected from monitoring wells MW-1 to MW-5 and MW-201 on January 5, 2018. A water sample was also collected from the Ace Hardware sump. Consistent with previous sampling protocol, all monitoring wells except MW-3 were sampled using disposable PVC bailers. Because of damage to the well during snow removal operations, a groundwater sample was obtained from MW-3 using a peristaltic pump with dedicated PVC tubing. Water sample analyses included:

- VOCs via USEPA Method SW8260; and
- PAHs via USEPA Method SW8270 by HVI.

The Ace Hardware sump water sample and the groundwater in monitoring well MW-5 were analyzed for VOCs. The samples submitted for analysis of VOCs were dispensed into 40-mL vials preserved with hydrochloric acid. All monitoring wells were sampled for analysis of PAHs, with samples dispensed into unpreserved 100-mL amber glass containers. Samples were ultimately transferred to Pace Analytical Services, Inc., (Pace Analytical) of Green Bay, Wisconsin, an independent analytical laboratory, following standard chain-of-custody procedures.

NR 716.13(11)(c) details the requirements for various quality assurance/quality control (QA/QC) samples that are to be collected during groundwater sampling, as applicable. Groundwater samples were collected with dedicated sampling equipment and using new disposable nitrile gloves at each sampling point, tp limit cross contamination. So no equipment blank sample was necessary per NR 716.13(11)(c)(2). The jars used during the sampling were taken directly from DAI's inventory, not shipped from the laboratory; therefore, no trip blank sample was required to submitted per NR 716.13(11)(c)(3). 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 or storage in a refrigerator before being manually transferred to a Pace Analytical courier that transported the samples in a cooler on ice. Therefore, no temperature blank was required per NR 716.13(11)(c)(4).

The only applicable QC sample was a replicate groundwater sample per the requirements of NR 716.13(11)(c)(1). No replicate sample was collected, but the sampling of the monitoring wells for PAHs roughly replicates the May 2017 sampling performed during Site Investigations. All future quarterly groundwater sampling events will include the collection of the required replicate sample.

2.1.2 Site Hydrology

A full round of static water level measurements were not collected during the quarterly groundwater sampling event. However, a complete round of static water level measurements were collected on February 27, 2018, using an electronic water level indicator capable of detecting water depth with an accuracy of ±0.01 ft. All future quarterly groundwater sampling events will include a complete round of static water level measurements prior to the collection of groundwater samples.

2.1.3 Vapor Pin Installation and Leak Testing Procedures

Consistent with the December 2017 SIWP, five (5) sub-slab vapor points (SS-201 to SS-204 and SS-Sump) were installed on January 5, 2018, within three (3) tenant spaces: one (1) in the Ace Hardware stormwater sump (SS-Sump), one (1) in the 2412 (vacant) tentant space (as a general replicate of SS-101), and three (3) in the 2414 (Aurora Pharmacy) tenant space. Site Details showing all air sampling locations, including sub-slab sampling points, are included as Figures B.4.a.1 (with Perc results) and B.4.a.2 (with Naphthalene results).

The WDRN guidance document number RR-986: *Sub-Slab Vapor Sampling Procedures* was followed during installation. After utilizing an electric hammer-drill to bore a hole through the concrete slab, vapor pins with a rubber seal were placed in the slab penetration using a rubber mallet. The vapor pin was further sealed at the surface with Play-Doh®. Subsequently, leak testing was conducted at each sub-slab vapor point to verify appropriate seal. Leak testing followed the same protocol as discussed in the September 2017 SIR. Results of the leak testing are included in the table below.

Leak Testing Results (ppm)

Sample Location	VOC in Vapor without IPA	VOC range of IPA in Shroud	VOC in Vapor with IPA
SS-201	0.0	475-510	0.0
SS-202	0.0	500-540	0.0
SS-203	0.0	525-530	0.0
SS-204	0.0	505-570	0.0

2.1.4 Vapor Sampling Procedures and Chemical Analysis

Once the leak testing was completed verifying a satisfactory seal, the sub-slab samples were collected by connecting the ¼-inch nylon sampling tubing to a Summa® canister and opening the canister valve. The laboratory provided a canister/orifice setup that limits the sampling flowrate to below 200-mL/min. The canister vacuum was monitored and the sampling stopped (i.e., the canister valve closed) when the vacuum reached the recommended "finish" vacuum given by the laboratory.

In addition to the sub-slab vapor points, a vapor sample of the Ace Hardware sump (SS-Sump) was collected on January 5, 2018. To collect the sample, Section II.E of WDRN guidance document number RR-986: *Sub-Slab Vapor Sampling Procedures* was followed. A sump pit vapor sample was collected in place of installing a sub-slab vapor pin because the sump pit continuously contains water. As directed, the sump pit was sealed, purged of existing air, and allowed to re-equilibrate. The only deviation from RR-986 procedures was that an 8-hr equilibration time was utilized instead of the prescribed 24-hr period. DAI obtained verbal approval from WDRN of the of the deviation from standard protocol because shutting down the sump pump for a full 24-hr period would have resulted in the sump pit overflowing and flooding into the basement of the Ace Hardware building. After allowing the sump vapors to equilibrate for 8-hrs, a 30-sec grab sample of the sump vapor was collected using a Summa® canister.

Following sample collection, the canisters were transferred following standard chain-of-custody procedures to STAT Analysis Corporation (STAT) in Chicago, Illinois. Soil gas analysis was conducted for VOCs via USEPA Method TO-15.

2.2 INVESTIGATION RESULTS

2.2.1 Site Stratigraphy

Three (3) soil stratigraphy cross-section figures were included in the September 2017 SIR Amendment as Figures B.3.a.1-B.3.a.3. In the December 5, 2017, response letter, WDNR requested that isoconcentration lines be added to the figures depicting the horizontal and vertical extents of contamination. This SIR Addendum includes the updated cross-section figures.

Although unchanged, the cross-section overview figure included in the September 2017 SIR Amendment (B.3.a.) is also provided in this SIR Addendum for reference.

2.2.2 Site Hydrology

Static water level elevations were collected during Site Investigations on March 30th and April 24, 2015, and May 30, 2017. Because a national geodetic survey datum was not able to be identified, the groundwater elevations were calculated by subtracting the measured depth to groundwater from the surveyed well casing elevations using a generic on-site datum of 100-ft. The measurements were used to calculate the elevation of the groundwater table and determine the groundwater flow direction beneath the Site. The September 2017 SIR Amendment provided potentiometric surface maps generated from three (3) rounds of measurements.

In order to evaluate potential seasonal fluctuation in static water elevation and/or groundwater flow direction, a complete round of static groundwater elevations was collected as part of the first quarter 2018 groundwater sampling event (and will be completed during each subsequent quarterly groundwater sampling event). Table A.6 provides a historical summary of groundwater elevation information and the potentiometric surface map generated from the February 2018 data is included as Figure B.3.c.4.

Consistent with the previously observed data, Figure B.3.c.4 indicates a northwesterly groundwater flow direction from the southern half of the Site and a north-northeasterly groundwater flow direction on the northern half of the Site in the area around the Ace Hardware building. Due to the assumed influence on the static measurements in several of the monitoring wells from non-native subsurface (e.g., former tank locations and/or the presence of mixed soil fill), observed groundwater flow direction is likely indicative of a localized and site-specific direction. Based upon review of the area topographic map and the direction to Oak Creek (nearest body of surface water), the north-northeasterly groundwater flow direction is anticipated to be more consistent with the natural flow direction.

2.2.3 Soil Sample Analytical Results

No additional soil sampling was required during the January 2018 investigations, but the WDNR letter of December 2017 requested that soil concentrations figures submitted in the September 2017 SIR Amendment be updated to show isoconcentration lines for all three (3) Residual Contaminant Levels (RCLs), regardless of property zoning classification. Additionally, WDNR requested that the Sunrise Shopping Center Site be compared to the Non-Industrial Direct Contact (DC) RCLs, not the Industrial DC RCLs. Therefore, this SIR Addendum includes an updated summary of soil results based upon the re-evaluation of the Site for comparison to Non-Industrial DC RCLs, as well as the RCLs for the protection of groundwater (GW-RCL). As part of the re-evaluation, the most recent December 2017 update to the RCLs have been taken into account and input into the summary tables. Updated summary tables (A.2.A-A.2.B) are provided in Appendix A; updated and soil figures, as applicable, are included in Appendix B. Various soil investigation supporting documentation (e.g., soil boring logs, abandonment forms, and laboratory reports) were provided in Appendix C of the September 2017 SIR Amendment.

Volatile Organic Compounds

Table A.2.A summarizes the soil samples analyzed for VOCs. The re-evaluation of the soil data to the Non-Industrial DC RCLs does not change the results discussed in the September 2017 SIR Amendment. As observed in the table, VOCs with observed exceedance of the most stringent RCLs include Benzene, Methylene chloride (MC), Perc, 1,1,1-Trichloroethane (1,1,1-TCA), and Trichloroethene (TCE). Most contaminant concentrations only exceed the GW RCLs. Only soil borings GP-402, GP-405, and GP-407 indicate concentrations of Perc exceeding the Non-Industrial (and Industrial) DC RCL. The TCE in soil boring GP-407 is above the Non-Industrial DC RCL, but below the Industrial DC RCL. The contaminant locations and sources were previously provided in the September 2017 SIR Amendment and November 2017 Supplemental Information report. Figure B.2.a.1 provides the locations for all VOC soil samples and highlights locations with observed RCL exceedances. The below discussion provides a general summary of observed exceedances.

Benzene and MC contamination are located within the south-central portion of the Site. The Benzene has been fully defined as shown in Figure B.2.a.1.a, which provides the GW RCL

isoconcentration (no DC RCL isconcentrations because no exceedances). The single MC exceedance is observed in soil boring GP-209 at a concentration above the LOD, but below the Limit of Quantification (LOQ). MC is a common laboratory artifact, and no concentrations are observed above the LOD in any of the other 91 soil samples collected on-site. MC in not considered an actual contaminant of concern.

A single exceedance of 1,1,1-TCA is observed above the GW RCL in GP-511, located to the rear of the 2414B (formerly 2416) tenant space. The 1,1,1-TCA is not considered to be indicative of dry cleaning operations at the former Wolf's Dry Cleaners & Launders since 1,1,1-TCA is not a common dry cleaning solvent and is not a breakdown compound of Perc. The location of the isolated exceedance is provided in Figure B.2.a.1, along with a GW RCL isoconcentation line (there were no DC RCL exceedances).

Perc and TCE contamination are observed inside and behind (west of) the 2410-2412 tenant spaces. Figure B.2.a.1.b depicts the extent of PCE contamination, which is observed as one (1) large area of contamination with two (2) separate foci: the reported location of the former dry cleaning machines around GP-405, and along the rear (west) wall of the Sunbrite tenant space between GP-311 and GP-518 (likely where the waste dry cleaning solvent was stored and/or spilled). Figure B.2.a.1.b.2 depicts the extent of GW RCL exceedances in the deeper soil (>4-ft). While Perc is observed as a single larger contaminant plume, two (2) separate TCE plumes are observed with the same two (2) focus points as the PCE contaminant plume (see Figure B.2.a.1.c). Review of the three (3) figures indicate that the public utilities to the rear of the tenant spaces are not significant conduits for contaminant migration.

Polynuclear Aromatics

Table A.2.B summarizes the results of PAH analyses. Re-evaluation of PAHs with Non-Industrial DC RCLs shows an increase in the number of PHA constituents that exceed the most stringent applicable RCL, but the number of locations with observed exceedances remains the same. Based upon the re-evaluation, exceedances are observed for the PAHs Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, and Naphthalene. PAH contamination was observed at concentrations

exceeding the GW RCLs and/or Non-Industrial RCLs, and a few Benzo(a)pyrene concentrations exceeded the Industrial DC RCL. Figure B.2.a.2 provides the locations of all PAH soil samples and observed RCL exceedances. The below discussion provides a general summary of observed exceedances.

A single exceedance of Naphthalene is observed in GP-13, installed in the approximate location of the former underground storage tank (UST) located to the rear of the 2414B (formerly 2416) tenant space. The Naphthalene is above the GW RCL in a soil sample collected at 4-ft to 6-ft bgs. The location of the isolated exceedance is provided in Figure B.2.a.2, along with a GW RCL isoconcentation line (DC not applicable to depths below 4-ft).

Exceedances of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene are located within the south-central portion of the Site at a sample depth range of 2-ft to 4-ft bgs, which is the same location as the Benzene contamination. The source of this contamination is likely associated with historical petroleum and/or coal storage during operation of the Site (and neighboring property to the south) by Caveney Oil Company. Figures B.2.a.2.a1 through B.2.a.2.a6 provide the extent of contamination for the six (6) PAH constituents and isoconcentration lines are depicted for each RCL. No GW RCL isconcentration lines are provide for constituents where no RCL is calculated by WDNR, and only Benzo(a)pyrene shows Industrial DC exceedances (i.e., no Industrial DC isoconcentation lines for other PAH constituents). The figures indicate that the on-site contamination has been delineated to the extent possible and that the source of contamination on the neighboring property to the south is also from Caveney Oil Company operations.

Another area of PAH contamination is observed in the central/east-central portion of the Site that is associated with the known leaking ASTs for which a Case Closure was previously issued in May 1998 (historical Caveney Oil Company operations may also have been a contaminant source). Exceedances of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Dibenzo(a,h)anthracene are observed at a sample depth range of 2-ft to 4-ft bgs within the central/east-central area. Figure B.2.a.2.b1-B.2.a.2.b5 provide the applicable isoconcentration lines for the five (5) PAH constituents. As can be observed from the data, the spatial distribution

of contaminant concentrations does not indicate a well-defined single source, rather the distribution is more consistent with randomly distributed "pockets" of contamination typically associated with mixed soil fill subsurface or numerous minor spills that occurred during the historical use of the property as a wood and coal storage facility.

Summary of Soil Exceedances

The below table provides an updated summary of observed soil sample results above the most stringent RCLs for PAHs. VOCs are not summarized because the re-evaluation did not result in the addition of exceedances not previously identified.

Summary of Identified PAH Soil Exceedances (mg/kg)

Contaminant	Sample Location	Concentration	Exposure Route Exceeded	RCLs
Benzo(a)anthracene	GP-8 (2-4)	1.18	DC	1.14[2]
	GP-11 (2-4)	3.5	DC	
	GP-107 (2-4)	4.36	DC	
	GP-108 (2-4)	4.6	DC	
Benzo(a)pyrene	GP-8 (2-4)	1.59	GW, DC	0.47[1], 0.115[2]
	GP-11 (2-4)	3.07*	GW, DC	
	GP-13 (4-6)	<0.809	GW, DC	
	GP-101 (2-4)	1.67	GW, DC	
	GP-102 (2-4)	0.296	DC	
	GP-105 (2-4)	1.72	GW, DC	
	GP-106 (2-4)	0.53	GW, DC	
	GP-107 (2-4)	6.93*	GW, DC	
	GP-108 (2-4)	3.27*	GW, DC	
	GP-302 (2-4)	0.894	GW, DC	
	GP-506 (2-4)	0.581	GW, DC	

Summary of Identified PAH Soil Exceedances (mg/kg)

Contaminant	Sample Location	Concentration	Exposure Route Exceeded	RCLs
Benzo(b)fluoranthene	GP-8 (2-4)	1.49	GW, DC	0.478[1], 1.15[2]
	GP-11 (2-4)	1.87	GW, DC	
	GP-13 (4-6)	<1.13	GW	
	GP-101 (2-4)	1.77	GW, DC	
	GP-105 (2-4)	1.73	GW, DC	
	GP-106 (2-4)	0.61	GW	
	GP-107 (2-4)	7.79	GW, DC	
	GP-108 (2-4)	2.43	GW, DC	
	GP-302 (2-4)	0.503	GW	
	GP-506 (2-4)	0.938	GW	
Chrysene	GP-8 (2-4)	1.95	GW	0.144[1]
	GP-11 (2-4)	5.66	GW	
	GP-13 (4-6)	<1.05	GW	
	GP-101 (2-4)	1.42	GW	
	GP-102 (2-4)	0.702	GW	
	GP-105 (2-4)	1.51	GW	
	GP-106 (2-4)	0.586	GW	
	GP-107 (2-4)	5.21	GW	
	GP-108 (2-4)	5.1	GW	
	GP-302 (2-4)	1.78	GW	
	GP-506 (2-4)	0.58	GW	
Dibenzo(a)anthracene	GP-8 (2-4)	0.392	DC	0.115[2]
	GP-11 (2-4)	0.714	DC	
	GP-101 (2-4)	0.311	DC	
	GP-105 (2-4)	0.33	DC	
	GP-107 (2-4)	1.42	DC	
	GP-108 (2-4)	0.569	DC	
	GP-302 (2-4)	0.173	DC	
Indeno(1,2,3-cd)pyrene	GP-107 (2-4)	1.16	DC	1.15[2]
	GP-108 (2-4)	4.18	DC	
Naphthalene	GP-13 (4-6)	8.08 (VOC)/ 7.63 (PAH)	GW	0.66[1]

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the WDNR Soil RCL spreadsheet (December 2017 update)
[2] – Soil RCL for Non-Industrial Direct Contact (DC) taken from the WDNR Soil RCL spreadsheet (December 2017 update); applicable to soil samples collected from 0-ft to 4-ft
* – Observed concentration also above the Industrial Direct Contact RCL, but Non-Industrial DC RCLs applicable to the Site
GW – Groundwater Protection
DC – Non-Industrial Direct Contact

2.2.4 Groundwater Sample Analytical Results

During Site Investigation activities, groundwater samples were collected from the temporary monitoring wells on November 12 and 13, 2015, and from permanent monitoring wells on

two (2) or three (3) occasions between January 27, 2016, and May 30, 2017. The groundwater samples were submitted for laboratory analysis of VOCs and PAHs.

During the first quarter 2018 groundwater sampling event performed on January 5, 2018, the six (6) permanent monitoring wells were sampled for PAHs, and MW-5 was also sampled for VOCs.

Tables A.1.A-A.1.B that were included in the September 2017 SIR Amendment have been updated with the results of the laboratory analyses for the first quarter 2018 groundwater sampling. The tables are compared to Preventative Action Limits (PALs) and Enforcement Standards listed in Table 1 of NR 140. Copies of the 2018 laboratory reports are provided in this report in Appendix C.1.E. Previous groundwater sample reports were included in Appendix C.1.E of the September 2017 SIR Amendment.

Volatile Organic Compounds

Table A.1.A summarizes the groundwater results for VOC analyses. As observed in the table, a concentration of Benzene marginally exceeding the PAL was observed in MW-4 in the sample collected on February 2016, but in no other sample or any other well. Therefore, the observed concentration is not considered to be indicative of actual groundwater contamination for Benzene.

However, Table A.1.A shows that Perc has been observed consistently during groundwater sampling at the Site. Perc was first observed in TW-2 at a concentration of 0.0026-mg/L, exceeding the PAL. Subsequently, each groundwater sample collected from MW-5 has been observed with a Perc concentration exceeding the PAL, and the three (3) most recent concentrations also exceed the Enforcement Standard. MW-5 is installed to the west of the former Sunbrite Cleaners tenant space (2410) and generally replicated the location of temporary well TW-2. The Perc concentrations in MW-5 have indicated an increasing trend during each sampling event, from 0.0026-mg/L in January 2015 to the most recent concentration of 0.0181-mg/L observed in January 2018. No other monitoring wells have ever indicated a detectable concentration for Perc. Figure B.3.b.1 provides a historical summary of Perc groundwater

concentrations and an estimated extent of Perc groundwater contamination. As noted in Figure B.3.b.1, Perc concentrations in the groundwater are estimated to extend off-site to the west, property owned by Union Pacific. An off-site notification of likely groundwater impact has been submitted to Union Pacific using WDNR form 4400-286. A copy of the off-site notification and proof of delivery are included in Appendix G.

There are no known active sources of contamination remaining on-site. Therefore, the rising groundwater concentrations are most likely attributable to the leaching of soil contamination into the groundwater, although the overall mass of Perc contamination in the subsurface should not increase. However, the Perc concentrations in MW-5 will continue to be monitored during quarterly groundwater sampling. If the concentrations continue to increase in a manner that suggests a previously undetected source of Perc, then response actions will be performed consistent with NR 708 requirements. Any response actions will be discussed with WDNR prior to initiation.

Polynuclear Aromatic Hydrocarbons

Table A.1.B summarizes the results of the PAH analyses, including the results of the first quarter 2018 sampling event completed on January 5, 2018. As observed Table A.1.B, monitoring wells MW-1, MW-2, and MW-5 have never indicated PAH concentrations exceeding a PAL, and MW-201 only indicated minor PAL exceedances in the initial sample collected in March 2015 (no exceedances in three (3) subsequent sampling events). As indicated in the December 28, 2017, SIWP, quarterly monitoring for PAHs will be discontinued from the four (4) above monitoring wells.

Review of PAH results from TW-5/MW-3 (installed in the southern portion of the property where contamination from historical petroleum and/or coal storage is identified) and TW-6/ MW-4 (installed in the approximate location of the former heating oil UST associated with the 2416, now 2414B, tenant space) indicate the presence of PAH contamination in groundwater. The most recent results from January 2018 indicate Benzo(b)fluoranthene and Chrysene concentrations above the PALs in MW-3; Benzo(b)fluoranthene and Chrysene concentrations were above the Enforcement Standards in MW-4. Naphthalene is also observed in MW-4, above

the PAL. Benzo(a)pyrene has also been previously observed in TW-5/MW-3, but the most recent concentration in MW-3 was below the Limit of Detection (LOD).

Figure B.3.b.2 provides the locations of observed groundwater exceedances for PAHs and 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. Where applicable, isoconcentration lines using the most recent sample results have been included in the figures.

2.2.5 Vapor Sample Analytical Results

Several types of air monitoring samples were collected during SI activities between February 18, 2016, and January 5, 2018, including sub-slab vapor samples, soil gas samples, ambient air samples, and a sump vapor sample. All air monitoring samples were submitted for laboratory analysis of VOCs.

Results of the laboratory analyses for sub-slab vapor samples and soil gas samples are summarized in Tables A.4.A-A.4.B and are compared to the Vapor Risk Screening Levels (VRSLs) for Small Commercial space as listed in the *WI Vapor Quick Look-Up Table* (November 2017 update), or calculated from USEPA Regional Screening Levels as directed by notes on the *WI Vapor Quick Look-Up Table*. Tables A.4.C-A.4.D summarize ambient air and sump vapor sample results, respectively, in comparison to the indoor air Vapor Action Levels (VALs) listed in the November 2017 update of the *WI Vapor Quick Look-Up Table*. A copy of the laboratory report from the January 2018 sampling event is provided in this report in Appendix C.1.E. Previous vapor/air sample reports were included in Appendix C.1.E of the September 2017 SIR Amendment.

A review of the summary tables indicates that Perc is observed in SS-6 at a concentration exceeding the VRSL (see Table A.4.A). SS-6 was installed within the front of the former Sunbrite Cleaners (2410) tenant space. (The drycleaning machines were reported to have been located in the front of the tenant space.) All other sub-slab vapor samples are reported below the VRSL, though several concentrations are near the VRSL. Additionally, all soil gas and indoor air

sample results collected from the 2410 and 2412 tenant spaces are reported at concentrations below the applicable standard, i.e., either the VRSL for soil gas or the VAL for air samples. The sump vapor sample is also reported below the indoor air VAL. Figure B.4.a.1 includes all air sample locations, the reported Perc concentration in $\mu g/m^3$, and a Perc isoconcentration line.

As noted in Table A.4.A, Naphthalene was originally observed at concentration (0.8-mg/m^3) above the VRSL in sub-slab vapor sample SS-101 (installed within the 2412 tenant space), but at a concentration (0.012-mg/m^3) below the VRSL in the SS-101 replicate sample (SS-204). With the exception of the initial result in SS-101, Naphthalene is reported at a concentration below the LOD or at a concentration below the VRSL in all sub-slab vapor points. All Naphthalene concentrations in other vapor samples are also reported below applicable standards. The source of the Naphthalene observed in sub-slab vapor sample SS-101 is not certain. The most likely source of Naphthalene is from the former heating oil UST/s previously located behind the building, and the presence may in part be due to the unpredictable air movement through the backfill and void spaces below the building slab. Review of all vapor and air sampling results appear to indicate that Naphthalene is not an actual exposure concern. Figure B.4.a.2 includes all Naphthalene air sample results.

2.2.6 Sump Water Sample Analytical Results

At WDNR's request, a sample of the water from the sump pit located in the basement of the Ace Hardware building was collected on June 4, 2017, and submitted for laboratory analysis of VOCs. A second sample was collected in January 2018 for comparison to the June 2017 results. The results of the sump water samples are summarized in Table A.5. A copy of the laboratory report for the 2018 sample is provided in this report in Appendix C.1.E. A copy of the laboratory report for the June 2017 samples was provided in Appendix C.1.E of the September 2017 SIR Amendment.

Table A.5 indicates that Perc is observed in both the 2017 and 2018 sump water samples at a concentration above the Enforcement Standard. The January 2018 concentration of 0.0082-mg/L is slightly higher than the 0.006-mg/L result observed in June 2017. (See Figure B.3.b.1 for sump location and associated Perc concentrations.) Although the Enforcement Standard is considered

the standard to screen for vapor intrusion risk for Perc, the sub-slab vapor samples and sump vapor sample collected from the Ace Hardware building do not indicate any VOC concentrations above the applicable levels (as discussed above in Section 2.2.5).

As discussed in the November 2017 Supplemental Information report, while the observed Perc concentrations in the sump water are above the Enforcement Standard, none of the three (3) groundwater samples collected for VOC analysis from monitoring well MW-201 (located outside of the northwestern corner of the Ace Hardware building) have shown any detectable concentrations of any VOCs. The difference in VOC concentration between MW-201 and the sump water are not the result of sample or analytical error. Rather, the VOC concentrations from the sump water sample are more consistent with the groundwater concentrations observed in monitoring well MW-5 and are anticipated to be indicative of the collection of shallow contaminated groundwater from the permeable soils around the building footing and near MW-5.

Because the January 2018 sump water sample results confirmed that the Ace Hardware sump is receiving impacted groundwater from the vicinity of MW-5, an evaluation of the sump system was completed. DAI personnel verified that the water from the sump pit is discharged into the stormwater sewer system. Additional research was conducted to assess the ultimate disposition of water discharged from the Ace Hardware sump system. The stormwater sewer system within that portion of the city flows easterly towards Oak Creek Parkway, ultimately discharging into Lake Michigan. The City of South Milwaukee draws water from Lake Michigan for potable needs. The water collected in the sump will treated to meet applicable discharge standards.

APPENDIX A
TABLES

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

Volatile Organic Compound	Sample Location (Sample Date)						PAL[1]	ES[2]
	TW-1 (11/12/14)	TW-3 (11/13/14)	TW-4 (11/13/14)	MW-1 (01/27/15)	MW-1 (02/23/16)	MW-1 (05/30/17)		
Benzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Bromobenzene	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	NL	NL
Bromochloromethane	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	NL	NL
Bromodichloromethane	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	0.00006	0.0006
Bromoform	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	0.00044	0.0044
Bromomethane	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	0.001	0.01
n-Butylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
sec-Butylbenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	NL	NL
tert-Butylbenzene	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	NL	NL
Carbon tetrachloride	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Chlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Chloroethane	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	0.08	0.4
Chloroform	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	0.0006	0.006
Chloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.003	0.03
2-Chlorotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
4-Chlorotoluene	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	NL	NL
Dibromochloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.006	0.006
1,2-Dibromo-3-chloropropane	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	0.00002	0.0002
1,2-Dibromoethane (EDB)	<0.00016*	<0.00016*	<0.00016*	<0.00018*	<0.00018*	<0.00018*	0.000005	0.00005
Dibromomethane	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	NL	NL
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.06	0.6
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.12	0.6
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.015	0.075
Dichlorodifluoromethane	<0.0002	<0.0002	<0.0002	<0.00022	<0.00022	<0.00022	0.2	1
1,1-Dichloroethane	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	0.085	0.85
1,2-Dichloroethane	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	0.0005	0.005
1,1-Dichloroethene	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	0.0007	0.007
cis-1,2-Dichloroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	0.007	0.07
trans-1,2-Dichoroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	0.02	0.1
1,2-Dichloropropane	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	0.0005	0.005
1,3-Dichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
2,2-Dichloropropane	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	NL	NL
1,1-Dichloropropene	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	NL	NL
1,3-Dichloropropene (c & t)	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	0.00004	0.0004
Diisopropyl ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Ethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.14	0.7
Hexachloro-1,3-butadiene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	NL	NL
Isopropyl benzene	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	NL	NL
p-Isopropyltoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)						PAL[1]	ES[2]
	TW-1 (11/12/14)	TW-3 (11/13/14)	TW-4 (11/13/14)	MW-1 (01/27/15)	MW-1 (02/23/16)	MW-1 (05/30/17)		
Methylene chloride	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	0.0005	0.005
Methyl tertiary-butyl ether	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	0.012	0.06
Naphthalene	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.01	0.1
n-Propylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Styrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.01	0.1
1,1,1,2-Tetrachloroethane	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.007	0.07
1,1,2,2-Tetrachloroethane	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	0.00002	0.0002
Tetrachloroethene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Toluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.16	0.8
1,2,3-Trichlorobenzene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	NL	NL
1,2,4-Trichlorobenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	0.014	0.07
1,1,1-Trichloroethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.04	0.2
1,1,2-Trichloroethane	<0.00016	<0.00016	<0.00016	<0.0002	<0.0002	<0.0002	0.0005	0.005
Trichloroethene	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	0.0005	0.005
Trichlorofluoromethane	<0.00017	<0.00017	<0.00017	<0.00018	<0.00018	<0.00018	0.7	3.5
1,2,3-Trichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.012	0.06
1,2,4-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.096	0.48
1,3,5-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
Vinyl chloride	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.4	2
Xylenes (total)	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	3.96	260

[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
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in NR 140
VOCs via USEPA Method SW8260
NOTE – MW-1 generally duplicated TW-4

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)						PAL[1]	ES[2]
	MW-2 (01/27/15)	MW-2 (02/23/16)	MW-2 (05/30/17)	TW-5 (11/13/14)	MW-3 (01/27/15)	MW-3 (05/30/17)		
Benzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Bromobenzene	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	NL	NL
Bromochloromethane	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	NL	NL
Bromodichloromethane	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	0.00006	0.0006
Bromoform	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	0.00044	0.0044
Bromomethane	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	0.001	0.01
n-Butylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
sec-Butylbenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	NL	NL
tert-Butylbenzene	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	NL	NL
Carbon tetrachloride	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Chlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Chloroethane	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	0.08	0.4
Chloroform	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	0.0006	0.006
Chloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.003	0.03
2-Chlorotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
4-Chlorotoluene	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	NL	NL
Dibromochloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.006	0.006
1,2-Dibromo-3-chloropropane	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	0.00002	0.0002
1,2-Dibromoethane (EDB)	<0.00018*	<0.00018*	<0.00018*	<0.00016*	<0.00018*	<0.00018*	0.000005	0.00005
Dibromomethane	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	NL	NL
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.06	0.6
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.12	0.6
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.015	0.075
Dichlorodifluoromethane	<0.00022	<0.00022	<0.00022	<0.0002	<0.00022	<0.00022	0.2	1
1,1-Dichloroethane	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	0.085	0.85
1,2-Dichloroethane	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	0.0005	0.005
1,1-Dichloroethene	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	0.0007	0.007
cis-1,2-Dichloroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	0.007	0.07
trans-1,2-Dichoroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	0.02	0.1
1,2-Dichloropropane	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	0.0005	0.005
1,3-Dichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
2,2-Dichloropropane	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	NL	NL
1,1-Dichloropropene	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	NL	NL
1,3-Dichloropropene (c & t)	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	0.00004	0.0004
Diisopropyl ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Ethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.14	0.7
Hexachloro-1,3-butadiene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	NL	NL

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)						PAL[1]	ES[2]
	MW-2 (01/27/15)	MW-2 (02/23/16)	MW-2 (05/30/17)	TW-5 (11/13/14)	MW-3 (01/27/15)	MW-3 (05/30/17)		
Isopropyl benzene	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	NL	NL
p-Isopropyltoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Methylene chloride	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	0.0005	0.005
Methyl tertiary-butyl ether	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	0.012	0.06
Naphthalene	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.01	0.1
n-Propylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Styrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.01	0.1
1,1,1,2-Tetrachloroethane	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.007	0.07
1,1,2,2-Tetrachloroethane	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	0.00002	0.0002
Tetrachloroethene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Toluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.16	0.8
1,2,3-Trichlorobenzene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	NL	NL
1,2,4-Trichlorobenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	0.014	0.07
1,1,1-Trichloroethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.04	0.2
1,1,2-Trichloroethane	<0.0002	<0.0002	<0.0002	<0.00016	<0.0002	<0.0002	0.0005	0.005
Trichloroethene	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	0.0005	0.005
Trichlorofluoromethane	<0.00018	<0.00018	<0.00018	<0.00017	<0.00018	<0.00018	0.7	3.5
1,2,3-Trichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.012	0.06
1,2,4-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.096	0.48
1,3,5-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00067 (J)		
Vinyl chloride	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.4	2
Xylenes (total)	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	3.96	260

[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
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in NR 140
VOCs via USEPA Method SW8260
NOTE – MW-3 installed to duplicate TW-5

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	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)		
Benzene	<0.0005	<0.0005	**0.00058**	<0.0005	0.0005	0.005
Bromobenzene	<0.00023	<0.00023	<0.00023	<0.00023	NL	NL
Bromochloromethane	<0.00034	<0.00034	<0.00034	<0.00034	NL	NL
Bromodichloromethane	<0.0005*	<0.0005*	<0.0005*	<0.0005*	0.00006	0.0006
Bromoform	<0.0005*	<0.0005*	<0.0005*	<0.0005*	0.00044	0.0044
Bromomethane	<0.0024*	<0.0024*	<0.0024*	<0.0024*	0.001	0.01
n-Butylbenzene	<0.0005	<0.0005	0.0013	0.0053	NL	NL
sec-Butylbenzene	<0.0022	<0.0022	0.0038 (J)	0.005 (J)	NL	NL
tert-Butylbenzene	<0.00018	<0.00018	0.00028(J)	0.0003 (J)	NL	NL
Carbon tetrachloride	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Chlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Chloroethane	<0.00037	<0.00037	<0.00037	<0.00037	0.08	0.4
Chloroform	<0.0025*	<0.0025*	<0.0025*	<0.0025*	0.0006	0.006
Chloromethane	<0.0005	<0.0005	<0.0005	<0.0005	0.003	0.03
2-Chlorotoluene	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
4-Chlorotoluene	<0.00021	<0.00021	<0.00021	<0.00021	NL	NL
Dibromochloromethane	<0.0005	<0.0005	<0.0005	<0.0005	0.006	0.006
1,2-Dibromo-3-chloropropane	<0.0022*	<0.0022*	<0.0022*	<0.0022*	0.00002	0.0002
1,2-Dibromoethane (EDB)	<0.00016*	<0.00018*	<0.00018*	<0.00018*	0.000005	0.00005
Dibromomethane	<0.00043	<0.00043	<0.00043	<0.00043	NL	NL
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	0.06	0.6
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	0.12	0.6
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	0.015	0.075
Dichlorodifluoromethane	<0.0002	<0.00022	<0.00022	<0.00022	0.2	1
1,1-Dichloroethane	<0.00024	<0.00024	0.00027(J)	0.00038 (J)	0.085	0.85
1,2-Dichloroethane	<0.00017	<0.00017	<0.00017	<0.00017	0.0005	0.005
1,1-Dichloroethene	<0.00041	<0.00041	<0.00041	<0.00041	0.0007	0.007
cis-1,2-Dichloroethene	<0.00026	<0.00026	<0.00026	<0.00026	0.007	0.07
trans-1,2-Dichoroethene	<0.00026	<0.00026	<0.00026	<0.00026	0.02	0.1
1,2-Dichloropropane	<0.00023	<0.00023	<0.00023	<0.00023	0.0005	0.005
1,3-Dichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
2,2-Dichloropropane	<0.00048	<0.00048	<0.00048	<0.00048	NL	NL
1,1-Dichloropropene	<0.00044	<0.00044	<0.00044	<0.00044	NL	NL
1,3-Dichloropropene (c & t)	<0.00073*	<0.00073*	<0.00073*	<0.00073*	0.00004	0.0004
Diisopropyl ether	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Ethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	0.14	0.7
Hexachloro-1,3-butadiene	<0.0021	<0.0021	<0.0021	<0.0021	NL	NL

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	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)		
Isopropyl benzene	0.00049(J)	<0.00014	0.0089	0.0047	NL	NL
p-Isopropyltoluene	0.00068(J)	<0.0005	<0.0005	0.0026	NL	NL
Methylene chloride	<0.00023	<0.00023	<0.00023	<0.00023	0.0005	0.005
Methyl tertiary-butyl ether	<0.00017	<0.00017	<0.00017	<0.00017	0.012	0.06
Naphthalene	<0.0025	<0.0025	<0.0025	**0.0138**	0.01	0.1
n-Propylbenzene	<0.0005	<0.0005	0.0075	0.0033	NL	NL
Styrene	<0.0005	<0.0005	<0.0005	<0.0005	0.01	0.1
1,1,1,2-Tetrachloroethane	<0.00018	<0.00018	<0.00018	<0.00018	0.007	0.07
1,1,2,2-Tetrachloroethane	<0.00025*	<0.00025*	<0.00025*	<0.00025*	0.00002	0.0002
Tetrachloroethene	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Toluene	<0.0005	<0.0005	<0.0005	<0.0005	0.16	0.8
1,2,3-Trichlorobenzene	<0.0021	<0.0021	<0.0021	<0.0021	NL	NL
1,2,4-Trichlorobenzene	<0.0022	<0.0022	<0.0022	<0.0022	0.014	0.07
1,1,1-Trichloroethane	<0.0005	<0.0005	<0.0005	<0.0005	0.04	0.2
1,1,2-Trichloroethane	<0.00016	<0.0002	<0.0002	<0.0002	0.0005	0.005
Trichloroethene	<0.00033	<0.00033	<0.00033	<0.00033	0.0005	0.005
Trichlorofluoromethane	<0.00017	<0.00018	<0.00018	<0.00018	0.7	3.5
1,2,3-Trichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	0.012	0.06
1,2,4-Trimethylbenzene	0.0051	0.0022	<0.0005	0.0083	0.096	0.48
1,3,5-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005		
Vinyl chloride	<0.00018	<0.00018	<0.00018	<0.00018	0.4	2
Xylenes (total)	<0.0015	0.0012	<0.0015	<0.0015	3.96	260

[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
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in NR 140
VOCs via USEPA Method SW8260
NOTE – MW-4 installed to duplicate TW-6

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)					PAL[1]	ES[2]
	TW-2 (11/12/14)	MW-5 (01/27/15)	MW-5 (02/23/16)	MW-5 (05/30/17)	MW-5 (01/05/18)		
Benzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Bromobenzene	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	NL	NL
Bromochloromethane	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	NL	NL
Bromodichloromethane	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	0.00006	0.0006
Bromoform	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	0.00044	0.0044
Bromomethane	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	0.001	0.01
n-Butylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
sec-Butylbenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	NL	NL
tert-Butylbenzene	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	NL	NL
Carbon tetrachloride	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	0.005
Chlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Chloroethane	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	0.08	0.4
Chloroform	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	0.0006	0.006
Chloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.003	0.03
2-Chlorotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
4-Chlorotoluene	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	NL	NL
Dibromochloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.006	0.006
1,2-Dibromo-3-chloropropane	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	0.00002	0.0002
1,2-Dibromoethane (EDB)	<0.00016*	<0.00018*	<0.00018*	<0.00018*	<0.00018*	0.000005	0.00005
Dibromomethane	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	NL	NL
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.06	0.6
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.12	0.6
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.015	0.075
Dichlorodifluoromethane	<0.0002	<0.00022	<0.00022	<0.00022	<0.00022	0.2	1
1,1-Dichloroethane	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	0.085	0.85
1,2-Dichloroethane	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	0.0005	0.005
1,1-Dichloroethene	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	0.0007	0.007
cis-1,2-Dichloroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	0.007	0.07
trans-1,2-Dichoroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	0.02	0.1
1,2-Dichloropropane	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	0.0005	0.005
1,3-Dichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
2,2-Dichloropropane	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	NL	NL
1,1-Dichloropropene	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	NL	NL
1,3-Dichloropropene (c & t)	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	0.00004	0.0004
Diisopropyl ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Ethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.14	0.7
Hexachloro-1,3-butadiene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	NL	NL

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)					PAL[1]	ES[2]
	TW-2 (11/12/14)	MW-5 (01/27/15)	MW-5 (02/23/16)	MW-5 (05/30/17)	MW-5 (01/05/18)		
Isopropyl benzene	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	NL	NL
p-Isopropyltoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Methylene chloride	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	0.0005	0.005
Methyl tertiary-butyl ether	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	0.012	0.06
Naphthalene	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.01	0.1
n-Propylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NL	NL
Styrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.01	0.1
1,1,1,2-Tetrachloroethane	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.007	0.07
1,1,2,2-Tetrachloroethane	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	0.00002	0.0002
Tetrachloroethene	**0.0026**	**0.0026**	**<u>0.0083</u>**	**<u>0.0124</u>**	**<u>0.0181</u>**	0.0005	0.005
Toluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.16	0.8
1,2,3-Trichlorobenzene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	NL	NL
1,2,4-Trichlorobenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	0.014	0.07
1,1,1-Trichloroethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.00057	0.04	0.2
1,1,2-Trichloroethane	<0.00016	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	0.005
Trichloroethene	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	0.0005	0.005
Trichlorofluoromethane	<0.00017	<0.00018	<0.00018	<0.00018	<0.00018	0.7	3.5
1,2,3-Trichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.012	0.06
1,2,4-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.096	0.48
1,3,5-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
Vinyl chloride	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.4	2
Xylenes (total)	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	3.96	260

[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
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in NR 140
VOCs via USEPA Method SW8260
NOTE – MW-5 generally duplicated TW-2

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)			PAL[1]	ES[2]
	MW-201 (03/30/15)	MW-201 (02/23/16)	MW-201 (05/30/17)		
Benzene	<0.0005	<0.0005	<0.0005	0.0005	0.005
Bromobenzene	<0.00023	<0.00023	<0.00023	NL	NL
Bromochloromethane	<0.00034	<0.00034	<0.00034	NL	NL
Bromodichloromethane	<0.0005*	<0.0005*	<0.0005*	0.00006	0.0006
Bromoform	<0.0005*	<0.0005*	<0.0005*	0.00044	0.0044
Bromomethane	<0.0024*	<0.0024*	<0.0024*	0.001	0.01
n-Butylbenzene	<0.0005	<0.0005	<0.0005	NL	NL
sec-Butylbenzene	<0.0022	<0.0022	<0.0022	NL	NL
tert-Butylbenzene	<0.00018	<0.00018	<0.00018	NL	NL
Carbon tetrachloride	<0.0005	<0.0005	<0.0005	0.0005	0.005
Chlorobenzene	<0.0005	<0.0005	<0.0005	NL	NL
Chloroethane	<0.00037	<0.00037	<0.00037	0.08	0.4
Chloroform	<0.0025*	<0.0025*	<0.0025*	0.0006	0.006
Chloromethane	<0.0005	<0.0005	<0.0005	0.003	0.03
2-Chlorotoluene	<0.0005	<0.0005	<0.0005	NL	NL
4-Chlorotoluene	<0.00021	<0.00021	<0.00021	NL	NL
Dibromochloromethane	<0.0005	<0.0005	<0.0005	0.006	0.006
1,2-Dibromo-3-chloropropane	<0.0022*	<0.0022*	<0.0022*	0.00002	0.0002
1,2-Dibromoethane (EDB)	<0.00018*	<0.00018*	<0.00018*	0.000005	0.00005
Dibromomethane	<0.00043	<0.00043	<0.00043	NL	NL
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	0.06	0.6
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	0.12	0.6
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	0.015	0.075
Dichlorodifluoromethane	<0.00022	<0.00022	<0.00022	0.2	1
1,1-Dichloroethane	<0.00024	<0.00024	<0.00024	0.085	0.85
1,2-Dichloroethane	<0.00017	<0.00017	<0.00017	0.0005	0.005
1,1-Dichloroethene	<0.00041	<0.00041	<0.00041	0.0007	0.007
cis-1,2-Dichloroethene	<0.00026	<0.00026	<0.00026	0.007	0.07
trans-1,2-Dichoroethene	<0.00026	<0.00026	<0.00026	0.02	0.1
1,2-Dichloropropane	<0.00023	<0.00023	<0.00023	0.0005	0.005
1,3-Dichloropropane	<0.0005	<0.0005	<0.0005	NL	NL
2,2-Dichloropropane	<0.00048	<0.00048	<0.00048	NL	NL
1,1-Dichloropropene	<0.00044	<0.00044	<0.00044	NL	NL
1,3-Dichloropropene (c & t)	<0.00073*	<0.00073*	<0.00073*	0.00004	0.0004
Diisopropyl ether	<0.0005	<0.0005	<0.0005	NL	NL
Ethylbenzene	<0.0005	<0.0005	<0.0005	0.14	0.7
Hexachloro-1,3-butadiene	<0.0021	0<0.0021	<0.0021	NL	NL

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)			PAL[1]	ES[2]
	MW-201 (03/30/15)	MW-201 (02/23/16)	MW-201 (05/30/17)		
Isopropyl benzene	<0.00014	<0.00014	<0.00014	NL	NL
p-Isopropyltoluene	<0.0005	<0.0005	<0.0005	NL	NL
Methylene chloride	<0.00023	<0.00023	<0.00023	0.0005	0.005
Methyl tertiary-butyl ether	<0.00017	<0.00017	<0.00017	0.012	0.06
Naphthalene	<0.0025	<0.0025	<0.0025	0.01	0.1
n-Propylbenzene	<0.0005	<0.0005	<0.0005	NL	NL
Styrene	<0.0005	<0.0005	<0.0005	0.01	0.1
1,1,1,2-Tetrachloroethane	<0.00018	<0.00018	<0.00018	0.007	0.07
1,1,2,2-Tetrachloroethane	<0.00025*	<0.00025*	<0.00025*	0.00002	0.0002
Tetrachloroethene	<0.0005	<0.0005	<0.0005	0.0005	0.005
Toluene	<0.0005	<0.0005	<0.0005	0.16	0.8
1,2,3-Trichlorobenzene	<0.0021	<0.0021	<0.0021	NL	NL
1,2,4-Trichlorobenzene	<0.0022	<0.0022	<0.0022	0.014	0.07
1,1,1-Trichloroethane	<0.0005	<0.0005	<0.0005	0.04	0.2
1,1,2-Trichloroethane	<0.0002	<0.0002	<0.0002	0.0005	0.005
Trichloroethene	<0.00033	<0.00033	<0.00033	0.0005	0.005
Trichlorofluoromethane	<0.00018	<0.00018	<0.00018	0.7	3.5
1,2,3-Trichloropropane	<0.0005	<0.0005	<0.0005	0.012	0.06
1,2,4-Trimethylbenzene	<0.0005	<0.0005	<0.0005	0.096	0.48
1,3,5-Trimethylbenzene	<0.0005	<0.0005	<0.0005		
Vinyl chloride	<0.00018	<0.00018	<0.00018	0.4	2
Xylenes (total)	<0.0015	<0.0015	<0.0015	3.96	260

[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
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in NR 140
VOCs via USEPA Method SW8260

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

Polynuclear Aromatic	Sample Location (Sample Date)						PAL[1]	ES[2]
	TW-1 (11/12/14)	TW-3 (11/13/14)	TW-4 (11/13/14)	MW-1 (01/27/15)	MW-1 (02/23/16)	MW-1 (01/05/18)		
Acenaphthene	0.000006 (J)	0.0000095 (J)	0.000026 (J)	<0.0000035	<0.0000044	<0.0000055	NL	NL
Acenaphthylene	<0.0000032	0.0000032 (J)	0.0000067 (J)	<0.000003	<0.0000044	<0.0000045	NL	NL
Anthracene	0.0000033 (J)	0.0000045 (J)	0.000015 (J)	<0.0000025	0.000009 (J)	<0.0000095	0.6	3
Benzo(a)anthracene	<0.0000034	0.000023 (J)	0.00003 (J)	<0.0000033	0.000011 (J)	<0.0000069	NL	NL
Benzo(a)pyrene	0.0000052 (J)	0.000015 (J)	**0.000025** (J)	<0.0000026	0.0000068 (J)	<0.0000096	0.00002	0.0002
Benzo(b)fluoranthene	0.000013 (J)	**0.000028 (J)**	**0.000042** (J)	<0.000005	0.000013 (J)	0.0000056 (J)	0.00002	0.0002
Benzo(g,h,i)perylene	0.0000078 (J)	0.000014 (J)	0.000024 (J)	0.000006	0.0000074 (J)	<0.0000062	NL	NL
Benzo(k)fluoranthene	<0.000005	0.000011 (J)	0.000018 (J)	<0.0000048	0.0000055 (J)	<0.0000069	NL	NL
Chrysene	0.000016 (J)	**0.000032 (J)**	**0.000056**	0.000011 (J)	0.000015 (J)	<0.000012	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.0000035	<0.0000034	0.0000045 (J)	<0.0000033	<0.000005	<0.0000091	NL	NL
Fluoranthene	0.00003 (J)	0.000044 (J)	0.000096	0.000036 (J)	0.000042 (J)	0.000018 (J)	0.08	0.4
Fluorene	0.0000072 (J)	0.000006 (J)	0.000016 (J)	<0.0000029	0.0000049 (J)	<0.0000072	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.0000053 (J)	0.000012 (J)	0.000018 (J)	<0.0000035	0.000006 (J)	<0.000016	NL	NL
1-Methylnaphthalene	0.000016 (J)	0.000021 (J)	0.000032 (J)	0.000011 (J)	<0.0000028	<0.0000054	NL	NL
2-Methylnaphthalene	0.000018 (J)	0.000023 (J)	0.000032 (J)	<0.0000082	<0.0000025	<0.0000045	NL	NL
Naphthalene	0.0000088 (J)	0.000019 (J)	0.000019 (J)	0.000013 (J)	0.00002 (J)	<0.000017	0.01	0.1
Phenanthrene	0.000036 (J)	0.000041 (J)	0.00012	0.000024 (J)	0.00002 (J)	0.000013 (J)	NL	NL
Pyrene	0.000036 (J)	0.000044 (J)	0.000096	0.000047 (J)	0.000051	0.000026 (J)	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-1 generally duplicated TW-4

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

Polynuclear Aromatic	Sample Location (Sample Date)							PAL[1]	ES[2]
	MW-2 (01/27/15)	MW-2 (02/23/16)	MW-2 (01/05/18)	TW-5 (11/13/14)	MW-3 (01/27/15)	MW-3 (05/30/17)	MW-3 (01/05/18)		
Acenaphthene	<0.0000034	<0.0000045	<0.0000058	0.00076	0.0000043 (J)	0.000026 (J)	0.0000077 (J)	NL	NL
Acenaphthylene	<0.0000029	<0.0000045	<0.0000048	0.00013	0.0000036 (J)	0.000016 (J)	<0.0000045	NL	NL
Anthracene	<0.0000024	<0.0000037	<0.00001	0.00056	<0.0000023	0.00013	0.000031 (J)	0.6	3
Benzo(a)anthracene	<0.0000032	<0.0000047	<0.0000073	0.00069	<0.0000031	0.00073	0.0000069 (J)	NL	NL
Benzo(a)pyrene	<0.0000025	<0.000004	<0.00001	**0.0006**	0.000011 (J)	**0.001**	<0.0000096	0.00002	0.0002
Benzo(b)fluoranthene	0.0000088 (J)	<0.0000048	<0.0000055	**0.00077**	0.00002 (J)	**0.002**	**0.000037**	0.00002	0.0002
Benzo(g,h,i)perylene	0.0000098 (J)	0.0000042 (J)	<0.0000065	0.0004	0.000016 (J)	0.0011	0.00018 (J)	NL	NL
Benzo(k)fluoranthene	<0.0000047	<0.0000051	<0.0000073	0.00029	0.00001 (J)	0.00068	0.000014 (J)	NL	NL
Chrysene	0.000018 (J)	0.0000066 (J)	<0.000013	**0.00084**	**0.000028 (J)**	**0.0015**	**0.000047 (J)**	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.0000033	<0.0000051	<0.0000096	0.000091	<0.0000032	0.00022	<0.0000091	NL	NL
Fluoranthene	0.000017 (J)	0.000014 (J)	<0.00001	0.0024	0.000041 (J)	0.0031	0.00021	0.08	0.4
Fluorene	<0.0000028	<0.0000037	<0.0000077	0.0011	0.0000035 (J)	0.000052	0.000022 (J)	0.08	0.4
Indeno(1,2,3-cd)pyrene	<0.0000034	<0.0000033	<0.000017	0.0003	0.0000081 (J)	0.00086	<0.000016	NL	NL
1-Methylnaphthalene	<0.000006	<0.0000028	0.0000066 (J)	0.002	0.0000091 (J)	0.00018	0.00016	NL	NL
2-Methylnaphthalene	0.0000094 (J)	0.000004 (J)	0.0000055 (J)	0.00017	0.0000084 (J)	0.00013	0.00016	NL	NL
Naphthalene	0.000014 (J)	0.0000044 (J)	<0.000018	0.00016	<0.0000056	0.00012	0.00046	0.017	0.1
Phenanthrene	0.000028 (J)	0.0000096 (J)	<0.000013	0.0021	0.000043 (J)	0.00071	0.000085	NL	NL
Pyrene	0.00002 (J)	0.00002 (J)	0.0000078 (J)	0.0025	0.000059	0.002	0.00011	0.05	0.25

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

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)		
Acenaphthene	0.00049	0.0000039 (J)	0.00056	0.0386	0.0246	NL	NL
Acenaphthylene	0.00012	0.000084	0.000073	0.0166	0.0083	NL	NL
Anthracene	0.00006	0.00006	0.00011	0.0018 (J)	0.0019	0.6	3
Benzo(a)anthracene	0.000013 (J)	<0.0000032	0.0000082 (J)	0.00044 (J)	<0.00014	NL	NL
Benzo(a)pyrene	0.0000053 (J)	0.000017 (J)	0.000006 (J)	**<0.00049**	**<0.0002**	0.00002	0.0002
Benzo(b)fluoranthene	0.0000093 (J)	**0.000043 (J)**	0.000014 (J)	**<0.00027**	**0.00022 (J)**	0.00002	0.0002
Benzo(g,h,i)perylene	0.0000071 (J)	0.000025 (J)	0.0000081 (J)	<0.00031	<0.00013	NL	NL
Benzo(k)fluoranthene	<0.000005	0.000021 (J)	<0.0000051	<0.00035	<0.00014	NL	NL
Chrysene	**0.000021 (J)**	**0.000042 (J)**	0.000017 (J)	**0.0018 (J)**	**0.001 (J)**	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.0000035	<0.0000033	<0.0000051	<0.00046	<0.00019	NL	NL
Fluoranthene	0.00004 (J)	0.000049	0.00003 (J)	0.0037	0.0046	0.08	0.4
Fluorene	0.00061	0.000031 (J)	0.00051	0.0759	0.0504	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.0000044 (J)	0.000017 (J)	0.0000056 (J)	<0.00082	<0.00033	NL	NL
1-Methylnaphthalene	0.0087	0.000076	0.0041	0.357	0.183	NL	NL
2-Methylnaphthalene	0.0065	0.000066	0.000037 (J)	0.0747	0.0126	NL	NL
Naphthalene	0.0022	0.00027	0.00017	**0.0243**	**0.0151**	0.01	0.1
Phenanthrene	0.00062	0.000033 (J)	0.00029	0.165	0.102	NL	NL
Pyrene	0.00006	0.0001	0.000081	0.0165	0.0102	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)

Polynuclear Aromatic	Sample Location (Sample Date)				PAL[1]	ES[2]
	TW-2 (11/12/14)	MW-5 (1/27/15)	MW-5 (2/23/16)	MW-5 (01/05/18)		
Acenaphthene	0.0000045 (J)	<0.0000034	<0.0000044	<0.0000061	NL	NL
Acenaphthylene	<0.0000032	<0.0000029	<0.0000044	<0.000005	NL	NL
Anthracene	<0.0000026	<0.0000024	<0.0000036	<0.00001	0.6	3
Benzo(a)anthracene	<0.0000035	<0.0000031	0.000009 (J)	<0.0000076	NL	NL
Benzo(a)pyrene	<0.0000028	<0.0000025	0.0000054 (J)	<0.000011	0.00002	0.0002
Benzo(b)fluoranthene	<0.0000053	0.000011 (J)	0.0000067 (J)	0.0000061 (J)	0.00002	0.0002
Benzo(g,h,i)perylene	0.0000059 (J)	0.0000083 (J)	0.0000062 (J)	<0.0000068	NL	NL
Benzo(k)fluoranthene	<0.0000051	0.0000063 (J)	<0.000005	<0.0000076	NL	NL
Chrysene	0.000012 (J)	0.000015 (J)	0.0000054 (J)	<0.000013	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.0000036	<0.0000032	<0.000005	<0.00001	NL	NL
Fluoranthene	0.0000089 (J)	0.00002 (J)	0.000014 (J)	<0.000011	0.08	0.4
Fluorene	0.0000099 (J)	<0.0000028	<0.0000036	<0.000008	0.08	0.4
Indeno(1,2,3-cd)pyrene	<0.0000038	<0.0000034	<0.0000032	<0.000018	NL	NL
1-Methylnaphthalene	0.000015 (J)	<0.0000059	<0.0000028	0.0000068 (J)	NL	NL
2-Methylnaphthalene	0.000016 (J)	<0.0000079	0.0000025 (J)	0.0000074 (J)	NL	NL
Naphthalene	0.0000068 (J)	<0.0000057	0.000016 (J)	<0.000018	0.01	0.1
Phenanthrene	0.000035 (J)	0.000015 (J)	0.000011 (J)	0.000015 (J)	NL	NL
Pyrene	0.000012 (J)	0.000025 (J)	0.000019 (J)	0.0000089 (J)	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-5 generally duplicated TW-2

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

Polynuclear Aromatic	Sample Location (Sample Date)				PAL[1]	ES[2]
	MW-201 (3/30/15)	MW-201 (2/23/16)	MW-201 (05/30/17)	MW-201 (01/05/18)		
Acenaphthene	0.0000091 (J)	<0.0000045	<0.0000058	<0.0000055	NL	NL
Acenaphthylene	0.0000052 (J)	<0.0000045	<0.0000047	<0.0000045	NL	NL
Anthracene	0.000016 (J)	<0.0000037	<0.00001	<0.0000095	0.6	3
Benzo(a)anthracene	0.000023 (J)	0.000013 (J)	0.00001 (J)	<0.0000069	NL	NL
Benzo(a)pyrene	0.000016 (J)	0.0000078 (J)	<0.00001	<0.0000096	0.00002	0.0002
Benzo(b)fluoranthene	**0.000029 (J)**	0.000011 (J)	0.0000056 (J)	<0.0000052	0.00002	0.0002
Benzo(g,h,i)perylene	0.000022 (J)	0.0000075 (J)	0.0000068 (J)	<0.0000062	NL	NL
Benzo(k)fluoranthene	0.0000096 (J)	<0.0000051	0.0000088 (J)	<0.0000069	NL	NL
Chrysene	**0.000042 (J)**	0.000016 (J)	0.000015 (J)	<0.000012	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.0000051	<0.0000051	<0.0000095	<0.0000091	NL	NL
Fluoranthene	0.000061	0.000024 (J)	0.000018 (J)	<0.0000097	0.08	0.4
Fluorene	0.000017 (J)	0.0000044 (J)	<0.0000076	<0.0000072	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.000014 (J)	0.0000045 (J)	<0.000017	<0.000016	NL	NL
1-Methylnaphthalene	0.00003 (J)	0.0000052 (J)	0.00001 (J)	<0.0000054	NL	NL
2-Methylnaphthalene	0.000076	0.0000078	0.0000096 (J)	0.0000049 (J)	NL	NL
Naphthalene	0.000051	0.0000062 (J)	<0.000017	<0.000017	0.01	0.1
Phenanthrene	0.00011	0.000024 (J)	0.000023 (J)	0.000014 (J)	NL	NL
Pyrene	0.000074	0.00003 (J)	0.000024 (J)	0.000012 (J)	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.2.A. Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-1 (8-10)	GP-2 (8-10)	GP-3 (8-10)	GP-4 (2-4)	GP-4 (8-10)	GP-5 (14-15)			
Benzene	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	342	679
Bromochloromethane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	216	906
Bromodichloromethane	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0699*	<0.0699*	<0.0713*	<0.0699*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	108	108
sec-Butylbenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	145	145
tert-Butylbenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	183	183
Carbon tetrachloride	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.1358	370	761
Chloroethane	<0.067	<0.067	<0.067	<0.0684	<0.067	<0.067	0.2266	NL	NL
Chloroform	<0.0464*	<0.0464*	<0.0464*	<0.0474*	<0.0464*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	907	907
4-Chlorotoluene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	253	253
Dibromochloromethane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0912*	<0.0912*	<0.0931*	<0.0912*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	1.1528	297	297
1,4-Dichlorobenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	3.0863	126	530
1,1-Dichloroethane	<0.025	0.125	<0.025	<0.0255	<0.025	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	191	191
1,1-Dichloropropene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05*	<0.05*	<0.05*	<0.051*	<0.05*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	2,260	2,260
Ethylbenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	1.63	7.19
Isopropylbenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	NL	NL

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-1 (8-10)	GP-2 (8-10)	GP-3 (8-10)	GP-4 (2-4)	GP-4 (8-10)	GP-5 (14-15)			
p-Isopropyltoluene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	162	162
Methylene chloride	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.027	63.8	282
Naphthalene	<0.04	<0.04	<0.04	<0.0409	<0.04	<0.04	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	264	264
Styrene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	<0.025*	<0.025*	**0.81**	<0.025*	<0.025*	0.0045	33	145
Toluene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.0476	<0.0476	<0.0485	<0.0476	<0.0476	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.0255	<0.025	<0.025		182	182
Vinyl chloride	<0.025*	<0.025*	<0.025*	<0.0255*	<0.025*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.075	<0.075	<0.0765	<0.075	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on November 12-13, 2014

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-6 (14-15)	GP-7 (14-15)	GP-8 (2-4)	GP-9 (2-4)	GP-10 (2-4)	GP-11 (2-4)			
Benzene	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	**0.114**	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	342	679
Bromochloromethane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	216	906
Bromodichloromethane	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0699*	<0.0699*	<0.0768*	<0.0699*	<0.0721*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	0.036 (J)	NL	108	108
sec-Butylbenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	145	145
tert-Butylbenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	183	183
Carbon tetrachloride	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.1358	370	761
Chloroethane	<0.067	<0.067	<0.067	<0.0736	<0.067	<0.0691	0.2266	NL	NL
Chloroform	<0.0464*	<0.0464*	<0.0464*	<0.051*	<0.0464*	<0.0479*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	907	907
4-Chlorotoluene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	253	253
Dibromochloromethane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0912*	<0.0912*	<0.1*	<0.0912	<0.0941*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	1.1528	297	297
1,4-Dichlorobenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	3.0863	126	530
1,1-Dichloroethane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	191	191
1,1-Dichloropropene	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05	<0.05	<0.05	<0.055	<0.05	<0.0516	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	2,260	2,260
Ethylbenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-6 (14-15)	GP-7 (14-15)	GP-8 (2-4)	GP-9 (2-4)	GP-10 (2-4)	GP-11 (2-4)			
Isopropylbenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	NL	NL
p-Isopropyltoluene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	162	162
Methylene chloride	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.025	<0.025	<0.0275*	<0.025	<0.0258	0.027	63.8	282
Naphthalene	<0.04	<0.04	0.0583	<0.044	<0.04	0.244	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	264	264
Styrene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0045	33	145
Toluene	<0.025	<0.025	<0.025	<0.0275	<0.025	0.0336 (J)	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.0476	<0.0476	<0.0523	<0.0476	<0.049	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	0.0463 (J)	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.0275	<0.025	<0.0258		182	182
Vinyl chloride	<0.025*	<0.025*	<0.025*	<0.0275*	<0.025*	<0.0258*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.075	<0.075	<0.0824	<0.075	0.0536 (J)	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on November 12-13, 2014

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-11R (8-10)	GP-12 (8-10)	GP-13 (4-6)	GP-14 (2-4)	GP-15 (4-6)	GP-103 (12-14)			
Benzene	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	342	679
Bromochloromethane	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	216	906
Bromodichloromethane	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0713*	<0.406*	<0.0699*	<0.0744*	<0.117*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.0255	2.42	<0.025	<0.0266	<0.0417	NL	108	108
sec-Butylbenzene	<0.025	<0.0255	2.57	<0.025	<0.0266	<0.0417	NL	145	145
tert-Butylbenzene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	183	183
Carbon tetrachloride	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.0255	<0.145*	<0.025	<0.0266	<0.0417	0.1358	370	761
Chloroethane	<0.067	<0.0684	<0.39*	<0.067	<0.0713	<0.112	0.2266	NL	NL
Chloroform	<0.0464*	<0.0474*	<0.27*	<0.0464*	<0.0494*	<0.0774*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	907	907
4-Chlorotoluene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	253	253
Dibromochloromethane	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0931*	<0.53*	<0.0912*	<0.0971*	<0.152*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	1.1528	297	297
1,4-Dichlorobenzene	<0.025	<0.0255	<0.145*	<0.025	<0.0266	<0.0417	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	3.0863	126	530
1,1-Dichloroethane	<0.025	<0.0255	<0.145*	<0.025	<0.0266	<0.0417	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.0255	<0.145*	<0.025	<0.0266	<0.0417	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.0255	<0.145*	<0.025	<0.0266	<0.0417	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	191	191
1,1-Dichloropropene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05*	<0.051*	<0.29*	<0.05*	<0.0532*	<0.0834*	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	2,260	2,260
Ethylbenzene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-11R (8-10)	GP-12 (8-10)	GP-13 (4-6)	GP-14 (2-4)	GP-15 (4-6)	GP-103 (12-14)			
Isopropylbenzene	<0.025	<0.0255	0.557	<0.025	<0.0266	<0.0417	NL	NL	NL
p-Isopropyltoluene	<0.025	<0.0255	1.81	<0.025	<0.0266	<0.0417	NL	162	162
Methylene chloride	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.0255	<0.145*	<0.025	<0.0266	<0.0417	0.027	63.8	282
Naphthalene	<0.04	<0.0409	**8.08**	<0.04	<0.0426	<0.0667	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.0255	0.946	<0.025	<0.0266	<0.0417	NL	264	264
Styrene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.0255	<0.145*	<0.025	<0.0266	<0.0417	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0045	33	145
Toluene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.0485	<0.276	<0.0476	<0.0506	<0.0793	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.0255	<0.145*	<0.025	<0.0266	<0.0417	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.0255	8.05	<0.025	<0.0266	<0.0417	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.0255	<0.145	<0.025	<0.0266	<0.0417		182	182
Vinyl chloride	<0.025*	<0.0255*	<0.145*	<0.025*	<0.0266*	<0.0417*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.0765	0.436 (J)	<0.075	<0.0798	<0.125	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on November 12-13, 2014 or January 6, 2015

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-104 (2-4)	GP-105 (2-4)	GP-106 (2-4)	GP-107 (2-4)	GP-108 (2-4)	GP-109 (8-10)			
Benzene	<0.0263*	<0.026*	**0.0998**	<0.026*	**0.154**	<0.025*	0.0051	1.6	7.07
Bromobenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	342	679
Bromochloromethane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	216	906
Bromodichloromethane	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0003	0.418	1.83
Bromoform	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0023	25.4	113
Bromomethane	<0.0736*	<0.0728*	<0.0721*	<0.0728*	<0.0699*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	108	108
sec-Butylbenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	145	145
tert-Butylbenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	183	183
Carbon tetrachloride	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.1358	370	761
Chloroethane	<0.0705	<0.0698	<0.0691	<0.0698	<0.067	<0.067	0.2266	NL	NL
Chloroform	<0.0489*	<0.0484*	<0.0479*	<0.0484*	<0.0464*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0155	159	669
2-Chlorotoluene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	907	907
4-Chlorotoluene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	253	253
Dibromochloromethane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.096*	<0.095*	<0.0941*	<0.095*	<0.0912*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	34	143
1,2-Dichlorobenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	1.168	376	376
1,3-Dichlorobenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	1.1528	297	297
1,4-Dichlorobenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.144	3.74	16.4
Dichlorodifluoromethane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	3.0863	126	530
1,1-Dichloroethane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	191	191
1,1-Dichloropropene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.0526*	<0.052*	<0.0516*	<0.052*	<0.05*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	2,260	2,260
Ethylbenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-104 (2-4)	GP-105 (2-4)	GP-106 (2-4)	GP-107 (2-4)	GP-108 (2-4)	GP-109 (8-10)			
Isopropylbenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	NL	NL
p-Isopropyltoluene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	162	162
Methylene chloride	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.027	63.8	282
Naphthalene	<0.0422	0.142 (J)	<0.0413	<0.0417	0.0888 (J)	<0.04	0.6582	5.52	24.1
n-Propylbenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	264	264
Styrene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0002	0.81	3.6
Tetrachloroethene	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0045	33	145
Toluene	<0.0263	0.0497 (J)	0.0293	<0.026	0.0354 (J)	<0.025	1.1072	818	818
1,2,3-Trichlorobenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0501	<0.0495	<0.049	<0.0495	<0.0476	<0.0476	0.408	24	113
1,1,1-Trichloroethane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.1402	640	640
1,1,2-Trichloroethane	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0032	1.59	7.01
Trichloroethene	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.0263	0.0827	<0.0258	<0.026	0.0299 (J)	<0.025	1.3821	219	219
1,3,5-Trimethylbenzene	<0.0263	<0.026	<0.0258	<0.026	<0.025	<0.025		182	182
Vinyl chloride	<0.0263*	<0.026*	<0.0258*	<0.026*	<0.025*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<0.0786	0.174	<0.0773	<0.0781	0.0333 (J)	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on January 6, 2015

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-110 (8-10)	GP-111 (8-10)	GP-112 (2-4)	GP-113 (2-4)	GP-114 (2-4)	GP-115 (2-4)			
Benzene	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	342	679
Bromochloromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	216	906
Bromodichloromethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0699*	<0.0699*	<0.0699*	<0.0699*	<0.0785*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	108	108
sec-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	145	145
tert-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	183	183
Carbon tetrachloride	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.1358	370	761
Chloroethane	<0.067	<0.067	<0.067	<0.067	<0.067	<0.0753	0.2266	NL	NL
Chloroform	<0.0464*	<0.0464*	<0.0464*	<0.0464*	<0.0464*	<0.0522*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	907	907
4-Chlorotoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	253	253
Dibromochloromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0912*	<0.0912*	<0.0912*	<0.0912*	<0.103*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	1.1528	297	297
1,4-Dichlorobenzene	0.0288 (J)	<0.025	<0.025	<0.025	<0.025	<0.0281	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	3.0863	126	530
1,1-Dichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	191	191
1,1-Dichloropropene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05*	<0.05*	<0.05*	<0.05*	<0.05*	<0.0562*	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	2,260	2,260
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-110 (8-10)	GP-111 (8-10)	GP-112 (2-4)	GP-113 (2-4)	GP-114 (2-4)	GP-115 (2-4)			
Isopropylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	NL	NL
p-Isopropyltoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	162	162
Methylene chloride	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281*	0.027	63.8	282
Naphthalene	<0.04	<0.04	<0.04	<0.04	<0.04	<0.045	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	264	264
Styrene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	<0.025*	**0.0475 (J)**	<0.025*	**3.86**	**2.79**	0.0045	33	145
Toluene	0.0296 (J)	<0.025	<0.025	<0.025	<0.025	<0.0281	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0534	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.025*	<0.025*	<0.025*	**0.0751**	<0.0281*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0281		182	182
Vinyl chloride	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.0281*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.075	<0.075	<0.075	<0.075	<0.0843	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on January 6, 2015

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-115 (8-10)	GP-201 (2-4)	GP-202 (2-4)	GP-207 (2-4)	GP-207 (8-10)	GP-208 (2-4)			
Benzene	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0051	1.6	7.07
Bromobenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	342	679
Bromochloromethane	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	216	906
Bromodichloromethane	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0003	0.418	1.83
Bromoform	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0023	25.4	113
Bromomethane	<0.0804*	<0.0699*	<0.35*	<0.0699*	<0.0699*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	108	108
sec-Butylbenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	145	145
tert-Butylbenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	183	183
Carbon tetrachloride	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	0.1358	370	761
Chloroethane	<0.077	<0.067	<0.335	<0.067	<0.067	<0.067	0.2266	NL	NL
Chloroform	<0.0534*	<0.0464*	<0.232*	<0.0464*	<0.0464*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0155	159	669
2-Chlorotoluene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	907	907
4-Chlorotoluene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	253	253
Dibromochloromethane	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.105*	<0.0912*	<0.456*	<0.0912*	<0.0912*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	34	143
1,2-Dichlorobenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	1.168	376	376
1,3-Dichlorobenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	1.1528	297	297
1,4-Dichlorobenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	0.0349 (J)	0.144	3.74	16.4
Dichlorodifluoromethane	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	3.0863	126	530
1,1-Dichloroethane	<0.0287	<0.025	<0.125*	<0.025	<0.025	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.0287	<0.025	<0.125*	<0.025	<0.025	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.0287	<0.025	<0.125*	<0.025	<0.025	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	191	191
1,1-Dichloropropene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.0574*	<0.05*	<0.25*	<0.05*	<0.05*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	2,260	2,260
Ethylbenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-115 (8-10)	GP-201 (2-4)	GP-202 (2-4)	GP-207 (2-4)	GP-207 (8-10)	GP-208 (2-4)			
Isopropylbenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	NL	NL
p-Isopropyltoluene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	162	162
Methylene chloride	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.0287	<0.025	<0.125*	<0.025	<0.025	<0.025	0.027	63.8	282
Naphthalene	<0.046	<0.04	<0.2	<0.04	<0.04	<0.04	0.6582	5.52	24.1
n-Propylbenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	264	264
Styrene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.0287	<0.025	<0.125*	<0.025	<0.025	<0.025	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0002	0.81	3.6
Tetrachloroethene	<0.0287*	<0.025*	**28.4**	<0.025*	<0.025*	<0.025*	0.0045	33	145
Toluene	0.0372 (J)	<0.025	<0.125	<0.025	<0.025	0.0484 (J)	1.1072	818	818
1,2,3-Trichlorobenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0547	<0.0476	<0.238	<0.0476	<0.0476	<0.0476	0.408	24	113
1,1,1-Trichloroethane	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	0.1402	640	640
1,1,2-Trichloroethane	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0032	1.59	7.01
Trichloroethene	<0.0287*	<0.025*	**0.334 (J)**	<0.025*	<0.025*	<0.025*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.0287	<0.025	<0.125*	<0.025	<0.025	<0.025	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025	1.3821	219	219
1,3,5-Trimethylbenzene	<0.0287	<0.025	<0.125	<0.025	<0.025	<0.025		182	182
Vinyl chloride	<0.0287*	<0.025*	<0.125*	<0.025*	<0.025*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<0.0862	<0.075	<0.375	<0.075	<0.075	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on January 6 or December 11, 2015

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-208 (8-10)	GP-209 (2-4)	GP-209 (8-10)	GP-212 (2-4)	GP-301 (2-4)	GP-302 (2-4)			
Benzene	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	342	679
Bromochloromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	216	906
Bromodichloromethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0699*	<0.0699*	<0.0699*	<0.0699*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	108	108
sec-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	145	145
tert-Butylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	183	183
Carbon tetrachloride	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.1358	370	761
Chloroethane	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	0.2266	NL	NL
Chloroform	<0.0464*	<0.0464*	<0.0464*	<0.0464*	<0.0464*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	907	907
4-Chlorotoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	253	253
Dibromochloromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0912*	<0.0912*	<0.0912*	<0.0912*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.1528	297	297
1,4-Dichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	3.0863	126	530
1,1-Dichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	191	191
1,1-Dichloropropene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05*	<0.05*	<0.05*	<0.05*	<0.05*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	2,260	2,260
Ethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-208 (8-10)	GP-209 (2-4)	GP-209 (8-10)	GP-212 (2-4)	GP-301 (2-4)	GP-302 (2-4)			
Isopropylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	NL	NL
p-Isopropyltoluene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	162	162
Methylene chloride	<0.025*	**0.041 (J)**	<0.025*	<0.025*	<0.025*	<0.025*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.027	63.8	282
Naphthalene	<0.04	<0.04	<0.04	<0.04	<0.04	0.262 (J)	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	264	264
Styrene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0045	33	145
Toluene	0.0429 (J)	<0.025	0.0805	<0.025	<0.025	<0.025	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025		182	182
Vinyl chloride	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.075	<0.075	<0.075	<0.075	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on December 11, 2015 or February 19, 2016

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-303 (2-4)	GP-304 (2-4)	GP-305 (2-4)	GP-306 (8-10)	GP-307 (8-10)	GP-308 (2-4)			
Benzene	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	342	679
Bromochloromethane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	216	906
Bromodichloromethane	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0706*	<0.0699*	<0.0699*	<0.076*	<0.0736*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	108	108
sec-Butylbenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	145	145
tert-Butylbenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	183	183
Carbon tetrachloride	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.1358	370	761
Chloroethane	<0.067	<0.0677	<0.067	<0.067	<0.0728	<0.0705	0.2266	NL	NL
Chloroform	<0.0464*	<0.0469*	<0.0464*	<0.0464*	<0.0505*	<0.0489*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	907	907
4-Chlorotoluene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	253	253
Dibromochloromethane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0922*	<0.0912*	<0.0912*	<0.0992*	<0.096*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	1.1528	297	297
1,4-Dichlorobenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	3.0863	126	530
1,1-Dichloroethane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	191	191
1,1-Dichloropropene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05*	<0.0506*	<0.05*	<0.05*	<0.0544*	<0.0526*	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	2,260	2,260
Ethylbenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-303 (2-4)	GP-304 (2-4)	GP-305 (2-4)	GP-306 (8-10)	GP-307 (8-10)	GP-308 (2-4)			
Isopropylbenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	NL	NL
p-Isopropyltoluene	<0.025	<0.0253	0.0294 (J)	<0.025	<0.0272	<0.0263	NL	162	162
Methylene chloride	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.0253	<0.025	<0.025	<0.0272*	<0.0263	0.027	63.8	282
Naphthalene	<0.04	<0.0404	<0.04	<0.04	<0.0435	<0.0422	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	264	264
Styrene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	**0.371**	0.0045	33	145
Toluene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.048	<0.0476	<0.0476	<0.0517	<0.0501	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.0253	<0.025	<0.025	<0.0272	<0.0263		182	182
Vinyl chloride	<0.025*	<0.0253*	<0.025*	<0.025*	<0.0272*	<0.0263*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.0758	<0.075	<0.075	<0.0815	<0.0789	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on February 19, 2016

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-308 (8-10)	GP-309 (2-4)	GP-309 (8-10)	GP-310 (2-4)	GP-310 (8-10)	GP-311 (2-4)			
Benzene	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	342	679
Bromochloromethane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	216	906
Bromodichloromethane	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0721*	<0.0699*	<0.0699*	<0.0699*	<0.0744*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	108	108
sec-Butylbenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	145	145
tert-Butylbenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	183	183
Carbon tetrachloride	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.1358	370	761
Chloroethane	<0.067	<0.0691	<0.067	<0.067	<0.067	<0.0713	0.2266	NL	NL
Chloroform	<0.0464*	<0.0479*	<0.0464*	<0.0464*	<0.0464*	<0.0494*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	907	907
4-Chlorotoluene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	253	253
Dibromochloromethane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0941*	<0.0912*	<0.0912*	<0.0912*	<0.0971*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	1.1528	297	297
1,4-Dichlorobenzene	<0.025	0.0337 (J)	<0.025	<0.025	<0.025	<0.0266	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	3.0863	126	530
1,1-Dichloroethane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	191	191
1,1-Dichloropropene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05*	<0.0516*	<0.05*	<0.05*	<0.05*	<0.0532*	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	2,260	2,260
Ethylbenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-308 (8-10)	GP-309 (2-4)	GP-309 (8-10)	GP-310 (2-4)	GP-310 (8-10)	GP-311 (2-4)			
Isopropylbenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	NL	NL
p-Isopropyltoluene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	162	162
Methylene chloride	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.027	63.8	282
Naphthalene	<0.04	<0.0413	<0.04	<0.04	<0.04	<0.0426	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	264	264
Styrene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	**0.108**	**0.0341 (J)**	**0.046 (J)**	<0.025*	**1.89**	0.0045	33	145
Toluene	<0.025	0.0351 (J)	<0.025	<0.025	<0.025	<0.0266	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.049	<0.0476	<0.0476	<0.0476	<0.0506	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.0258	<0.025	<0.025	<0.025	<0.0266		182	182
Vinyl chloride	<0.025*	<0.0258*	<0.025*	<0.025*	<0.025*	<0.0266*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.0773	<0.075	<0.075	<0.075	<0.0798	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on February 19, 2016

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-311 (8-10)	GP-401 (0-2)	GP-401 (6-8)	GP-402 (0-2)	GP-403 (0-2)	GP-403 (6-7)			
Benzene	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0051	1.6	7.07
Bromobenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	342	679
Bromochloromethane	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	216	906
Bromodichloromethane	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0003	0.418	1.83
Bromoform	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0023	25.4	113
Bromomethane	<0.0706*	<0.0699*	<0.0699*	<1.4*	<0.0699*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	108	108
sec-Butylbenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	145	145
tert-Butylbenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	183	183
Carbon tetrachloride	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.1358	370	761
Chloroethane	<0.0677	<0.067	<0.067	<1.34*	<0.067	<0.067	0.2266	NL	NL
Chloroform	<0.0469*	<0.0464*	<0.0464*	<0.929*	<0.0464*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0155	159	669
2-Chlorotoluene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	907	907
4-Chlorotoluene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	253	253
Dibromochloromethane	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0922*	<0.0912*	<0.0912*	<1.82*	<0.0912*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	34	143
1,2-Dichlorobenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	1.168	376	376
1,3-Dichlorobenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	1.1528	297	297
1,4-Dichlorobenzene	0.0372	<0.025	<0.025	<0.5*	<0.025	<0.025	0.144	3.74	16.4
Dichlorodifluoromethane	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	3.0863	126	530
1,1-Dichloroethane	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	191	191
1,1-Dichloropropene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.0506*	<0.05*	<0.05*	<0.1*	<0.05*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	2,260	2,260
Ethylbenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-311 (8-10)	GP-401 (0-2)	GP-401 (6-8)	GP-402 (0-2)	GP-403 (0-2)	GP-403 (6-7)			
Isopropylbenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	NL	NL
p-Isopropyltoluene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	162	162
Methylene chloride	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.027	63.8	282
Naphthalene	<0.0404	<0.04	<0.04	<0.801*	0.0535 (J)	<0.04	0.6582	5.52	24.1
n-Propylbenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	264	264
Styrene	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0002	0.81	3.6
Tetrachloroethene	**0.0284**	**0.0446**	**0.0934 (J)**	**142**	**1.75**	**0.0994**	0.0045	33	145
Toluene	0.0312	<0.025	<0.025	<0.5	0.0711	<0.025	1.1072	818	818
1,2,3-Trichlorobenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	NL	62.6	934
1,2,4-Trichlorobenzene	<0.048	<0.0476	<0.0476	<0.951*	<0.0476	<0.0476	0.408	24	113
1,1,1-Trichloroethane	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.1402	640	640
1,1,2-Trichloroethane	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0032	1.59	7.01
Trichloroethene	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.0253	<0.025	<0.025	<0.5*	<0.025	<0.025	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025	1.3821	219	219
1,3,5-Trimethylbenzene	<0.0253	<0.025	<0.025	<0.5	<0.025	<0.025		182	182
Vinyl chloride	<0.0253*	<0.025*	<0.025*	<0.5*	<0.025*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<0.0758	<0.075	<0.075	<1.5	0.0397 (J)	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on February 19 or September 8, 2016

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-404 (2-4)	GP-404 (6-8)	GP-405 (0-2)	GP-405 (6-8)	GP-406 (2-4)	GP-406 (6-8)			
Benzene	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	342	679
Bromochloromethane	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	216	906
Bromodichloromethane	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0699*	<35*	<1.75*	<0.0699*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	108	108
sec-Butylbenzene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	145	145
tert-Butylbenzene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	183	183
Carbon tetrachloride	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.1358	370	761
Chloroethane	<0.067	<0.067	<33.5*	<1.68*	<0.067	<0.067	0.2266	NL	NL
Chloroform	<0.0464*	<0.0464*	<23.2*	<1.16*	<0.0464*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	907	907
4-Chlorotoluene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	253	253
Dibromochloromethane	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0912*	<45.6*	<2.28*	<0.0912*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.025	<12.5*	<0.625	<0.025	<0.025	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.025	<12.5*	<0.625	<0.025	<0.025	1.1528	297	297
1,4-Dichlorobenzene	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.025	<12.5*	<0.625	<0.025	<0.025	3.0863	126	530
1,1-Dichloroethane	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	191	191
1,1-Dichloropropene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05*	<0.05*	<25*	<1.25*	<0.05*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	2,260	2,260
Ethylbenzene	<0.025	<0.025	<12.5*	<0.625	<0.025	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-404 (2-4)	GP-404 (6-8)	GP-405 (0-2)	GP-405 (6-8)	GP-406 (2-4)	GP-406 (6-8)			
Isopropylbenzene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	NL	NL
p-Isopropyltoluene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	162	162
Methylene chloride	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.027	63.8	282
Naphthalene	<0.04	<0.04	<20*	<1*	<0.04	<0.04	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	264	264
Styrene	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	**0.0303 (J)**	***3,750***	**157**	**3.72**	**0.64**	0.0045	33	145
Toluene	<0.025	<0.025	<12.5*	<0.625	<0.025	<0.025	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.025	<12.5	<0.625	<0.025	<0.025	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.0476	<23.8*	<1.19*	<0.0476	<0.0476	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.025*	***<12.5***	**<0.625**	<0.025	<0.025	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.025	<12.5*	<0.625	<0.025	<0.025	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.025	<12.5*	<0.625*	<0.025	<0.025	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.025	<12.5*	<0.625	<0.025	<0.025	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.025	<12.5*	<0.625	<0.025	<0.025		182	182
Vinyl chloride	<0.025*	<0.025*	<12.5*	<0.625*	<0.025*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.075	<62.5*	<1.875	<0.075	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on September 8, 2016

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-407 (0-2)	GP-407 (6-8)	GP-2R (6-8)	GP-2R (10-12)	GP-311R (2-4)	GP-311R (10-12)			
Benzene	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0051	1.6	7.07
Bromobenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	342	679
Bromochloromethane	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	216	906
Bromodichloromethane	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0003	0.418	1.83
Bromoform	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0023	25.4	113
Bromomethane	<2.8*	<0.28*	<0.0706*	<0.0699*	<0.14*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	108	108
sec-Butylbenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	145	145
tert-Butylbenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	183	183
Carbon tetrachloride	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<1*	<0.1	<0.0253	<0.025	<0.05	<0.025	0.1358	370	761
Chloroethane	<2.68*	<0.268*	<0.0677	<0.067	<0.134	<0.067	0.2266	NL	NL
Chloroform	<1.86*	<0.186*	<0.0469*	<0.0464*	<0.0929*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0155	159	669
2-Chlorotoluene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	907	907
4-Chlorotoluene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	253	253
Dibromochloromethane	<1*	<0.1	<0.0253	<0.025	<0.05	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<3.65*	<0.365*	<0.0922*	<0.0912*	<0.182*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	34	143
1,2-Dichlorobenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	1.168	376	376
1,3-Dichlorobenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	1.1528	297	297
1,4-Dichlorobenzene	<1*	<0.1	<0.0253	<0.025	<0.05	<0.025	0.144	3.74	16.4
Dichlorodifluoromethane	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	3.0863	126	530
1,1-Dichloroethane	<1*	<0.1*	<0.0253	<0.025	<0.05*	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<1*	<0.1*	<0.0253	<0.025	<0.05*	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<1*	<0.1*	<0.0253	<0.025	<0.05	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	191	191
1,1-Dichloropropene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<2*	<0.2*	<0.0506*	<0.05*	<0.1*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	2,260	2,260
Ethylbenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-407 (0-2)	GP-407 (6-8)	GP-2R (6-8)	GP-2R (10-12)	GP-311R (2-4)	GP-311R (10-12)			
Isopropylbenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	NL	NL
p-Isopropyltoluene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	162	162
Methylene chloride	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<1*	<0.1*	<0.0253*	<0.025	<0.05*	<0.025	0.027	63.8	282
Naphthalene	<1.6*	<0.16	<0.0404	<0.04	<0.0801	<0.04	0.6582	5.52	24.1
n-Propylbenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	264	264
Styrene	<1*	<0.1	<0.0253	<0.025	<0.05	<0.025	0.22	867	867
1,1,1,2-Tetrachloroethane	<1*	<0.1*	<0.0253	<0.025	<0.05	<0.025	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0002	0.81	3.6
Tetrachloroethene	***435***	**19.3**	<0.0253	<0.025	**6.78**	**0.0384 (J)**	0.0045	33	145
Toluene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	1.1072	818	818
1,2,3-Trichlorobenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	NL	62.6	934
1,2,4-Trichlorobenzene	<1.9*	<0.19	<0.048	<0.0476	<0.0951	<0.0476	0.408	24	113
1,1,1-Trichloroethane	<1*	<0.1	<0.0253	<0.025	<0.05	<0.025	0.1402	640	640
1,1,2-Trichloroethane	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0032	1.59	7.01
Trichloroethene	**1.35 (J)**	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0036	1.3	8.41
Trichlorofluoromethane	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	4.4775	1,230	1,230
1,2,3-Trichloropropane	<1*	<0.1*	<0.0253	<0.025	<0.05	<0.025	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025	1.3821	219	219
1,3,5-Trimethylbenzene	<1	<0.1	<0.0253	<0.025	<0.05	<0.025		182	182
Vinyl chloride	<1*	<0.1*	<0.0253*	<0.025*	<0.05*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<3	<0.3	<0.0758	<0.075	<0.15	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on September 8, 2016, or May 25-26, 2017

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-510 (2-4)	GP-510 (8-10)	GP-511 (2-4)	GP-511 (8-10)	GP-512 (2-4)	GP-512 (8-10)			
Benzene	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0051	1.6	7.07
Bromobenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	342	679
Bromochloromethane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	216	906
Bromodichloromethane	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0003	0.418	1.83
Bromoform	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0023	25.4	113
Bromomethane	<0.0699*	<0.0699*	<0.0832*	<0.0699*	<0.0699*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	108	108
sec-Butylbenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	145	145
tert-Butylbenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	183	183
Carbon tetrachloride	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	0.1358	370	761
Chloroethane	<0.067	<0.067	<0.0798	<0.067	<0.067	<0.067	0.2266	NL	NL
Chloroform	<0.0464*	<0.0464*	<0.0553*	<0.0464*	<0.0464*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0155	159	669
2-Chlorotoluene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	907	907
4-Chlorotoluene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	253	253
Dibromochloromethane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0912*	<0.0912*	<0.109*	<0.0912*	<0.0912*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	34	143
1,2-Dichlorobenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	1.168	376	376
1,3-Dichlorobenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	1.1528	297	297
1,4-Dichlorobenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	0.144	3.74	16.4
Dichlorodifluoromethane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	3.0863	126	530
1,1-Dichloroethane	<0.025	<0.025	0.0733 (J)	<0.025	<0.025	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	191	191
1,1-Dichloropropene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.05*	<0.05*	<0.0596*	<0.05*	<0.05*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	2,260	2,260
Ethylbenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-510 (2-4)	GP-510 (8-10)	GP-511 (2-4)	GP-511 (8-10)	GP-512 (2-4)	GP-512 (8-10)			
Isopropylbenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	NL	NL
p-Isopropyltoluene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	162	162
Methylene chloride	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.025	<0.025	<0.0298*	<0.025	<0.025	<0.025	0.027	63.8	282
Naphthalene	0.115 (J)	<0.04	<0.0477	<0.04	<0.04	<0.04	0.6582	5.52	24.1
n-Propylbenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	264	264
Styrene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0002	0.81	3.6
Tetrachloroethene	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0045	33	145
Toluene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	1.1072	818	818
1,2,3-Trichlorobenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	NL	62.6	934
1,2,4-Trichlorobenzene	<0.0476	<0.0476	<0.0566	<0.0476	<0.0476	<0.0476	0.408	24	113
1,1,1-Trichloroethane	<0.025	<0.025	0.0495 (J)	**0.332**	<0.025	<0.025	0.1402	640	640
1,1,2-Trichloroethane	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0032	1.59	7.01
Trichloroethene	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.02*	0.0036	1.3	8.41
Trichlorofluoromethane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025	1.3821	219	219
1,3,5-Trimethylbenzene	<0.025	<0.025	<0.0298	<0.025	<0.025	<0.025		182	182
Vinyl chloride	<0.025*	<0.025*	<0.0298*	<0.025*	<0.025*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<0.075	<0.075	<0.0893	<0.075	<0.075	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on May 25-26, 2017

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)							GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-513 (2-4)	GP-513A (2-4)	GP-514 (2-4)	GP-514 (6-7.5)	GP-515 (2-4)	GP-515 (6-7.5)	GP-516 (2-4)			
Benzene	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0051	1.6	7.07
Bromobenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	342	679
Bromochloromethane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	216	906
Bromodichloromethane	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0003	0.418	1.83
Bromoform	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0023	25.4	113
Bromomethane	<0.0706*	<0.0699*	<0.0706*	<0.0706*	<0.0706*	<0.0713*	<0.0713*	0.0051	9.6	43
n-Butylbenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	108	108
sec-Butylbenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	145	145
tert-Butylbenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	183	183
Carbon tetrachloride	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0039	0.916	4.03
Chlorobenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.1358	370	761
Chloroethane	<0.0677	<0.067	<0.0677	<0.0677	<0.0677	<0.0684	<0.0684	0.2266	NL	NL
Chloroform	<0.0469*	<0.0464*	<0.0469*	<0.0469*	<0.0469*	<0.0474*	<0.0474*	0.0033	0.454	1.98
Chloromethane	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0155	159	669
2-Chlorotoluene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	907	907
4-Chlorotoluene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	253	253
Dibromochloromethane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.0922*	<0.0912*	<0.0922*	<0.0922*	<0.0922*	<0.0931*	<0.0931*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0000282	0.05	0.221
Dibromomethane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	34	143
1,2-Dichlorobenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	1.168	376	376
1,3-Dichlorobenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	1.1528	297	297
1,4-Dichlorobenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.144	3.74	16.4
Dichlorodifluoromethane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	3.0863	126	530
1,1-Dichloroethane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.4834	5.06	22.2
1,2-Dichloroethane	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.0626	1,560	1,850
1,2-Dichloropropane	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0033	3.4	15
1,3-Dichloropropane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	1,490	1,490
2,2-Dichloropropane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	191	191
1,1-Dichloropropene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.0506*	<0.05*	<0.0506*	<0.0506*	<0.0506*	<0.051*	<0.051*	0.0003	2,720	2,720
Diisopropyl ether	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	2,260	2,260
Ethylbenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)							GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-513 (2-4)	GP-513A (2-4)	GP-514 (2-4)	GP-514 (6-7.5)	GP-515 (2-4)	GP-515 (6-7.5)	GP-516 (2-4)			
Isopropylbenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	NL	NL
p-Isopropyltoluene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	162	162
Methylene chloride	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0026	61.8	1,150
Methyl tertiary-butyl ether	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.027	63.8	282
Naphthalene	<0.0404	<0.04	0.138 (J)	<0.0404	<0.0404	<0.0409	<0.0409	0.6582	5.52	24.1
n-Propylbenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	264	264
Styrene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.22	867	867
1,1,1,2-Tetrachloroethane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.0534	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0002	0.81	3.6
Tetrachloroethene	<0.0253*	<0.025*	<0.0253	<0.0253	<0.0253	<0.0255	**0.238**	0.0045	33	145
Toluene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	1.1072	818	818
1,2,3-Trichlorobenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	NL	62.6	934
1,2,4-Trichlorobenzene	<0.048	<0.0476	<0.048	<0.048	<0.048	<0.0485	<0.0485	0.408	24	113
1,1,1-Trichloroethane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.1402	640	640
1,1,2-Trichloroethane	<0.0253*	<0.025*	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.0032	1.59	7.01
Trichloroethene	<0.0253*	<0.025*	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.0036	1.3	8.41
Trichlorofluoromethane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	4.4775	1,230	1,230
1,2,3-Trichloropropane	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	0.0519	0.005	0.109
1,2,4-Trimethylbenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255	1.3821	219	219
1,3,5-Trimethylbenzene	<0.0253	<0.025	<0.0253	<0.0253	<0.0253	<0.0255	<0.0255		182	182
Vinyl chloride	<0.0253*	<0.025*	<0.0253*	<0.0253*	<0.0253*	<0.0255*	<0.0255*	0.0001	0.067	2.08
Xylenes (total)	<0.0758	<0.075	<0.0758	<0.0758	<0.0758	<0.0765	<0.0765	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on May 25-26, 2017

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)							GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-516 (6-8)	GP-517 (2-4)	GP-517 (6-8)	GP-518 (2-4)	GP-518 (6-8)	GP-519 (2-4)	GP-520 (2-4)			
Benzene	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0051	1.6	7.07
Bromobenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	342	679
Bromochloromethane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	216	906
Bromodichloromethane	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0003	0.418	1.83
Bromoform	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0023	25.4	113
Bromomethane	<0.0736*	<0.0699*	<0.0699*	<0.0736*	<0.0706*	<0.0699*	<0.0699*	0.0051	9.6	43
n-Butylbenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	108	108
sec-Butylbenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	145	145
tert-Butylbenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	183	183
Carbon tetrachloride	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0039	0.916	4.03
Chlorobenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.1358	370	761
Chloroethane	<0.0705	<0.067	<0.067	<0.0705	<0.0677	<0.067	<0.067	0.2266	NL	NL
Chloroform	<0.0489*	<0.0464*	<0.0464*	<0.0489*	<0.0469*	<0.0464*	<0.0464*	0.0033	0.454	1.98
Chloromethane	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0155	159	669
2-Chlorotoluene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	907	907
4-Chlorotoluene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	253	253
Dibromochloromethane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.32	8.28	38.9
1,2-Dibromo-3-chloropropane	<0.096*	<0.0912*	<0.0912*	<0.096*	<0.0922*	<0.0912*	<0.0912*	0.0002	0.008	0.092
1,2-Dibromoethane (EDB)	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0000282	0.05	0.221
Dibromomethane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	34	143
1,2-Dichlorobenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	1.168	376	376
1,3-Dichlorobenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	1.1528	297	297
1,4-Dichlorobenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.144	3.74	16.4
Dichlorodifluoromethane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	3.0863	126	530
1,1-Dichloroethane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.4834	5.06	22.2
1,2-Dichloroethane	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0028	0.652	2.87
1,1-Dichloroethene	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.005	320	1,190
cis-1,2-Dichloroethene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.0412	156	2,340
trans-1,2-Dichoroethene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.0626	1,560	1,850
1,2-Dichloropropane	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0033	3.4	15
1,3-Dichloropropane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	1,490	1,490
2,2-Dichloropropane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	191	191
1,1-Dichloropropene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	NL	NL
1,3-Dichloropropene (c&t)	<0.0506*	<0.05*	<0.05*	<0.0506*	<0.0506*	<0.05*	<0.05*	0.0003	2,720	2,720
Diisopropyl ether	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	2,260	2,260
Ethylbenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	1.57	8.02	35.4
Hexachloro-1,3-butadiene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	1.63	7.19

Table A.2.A (Continued). Soil Analytical Results Table for Volatile Organic Compounds (mg/kg)

Volatile Organic Compound	Sample Location (Sample Depth)							GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-516 (6-8)	GP-517 (2-4)	GP-517 (6-8)	GP-518 (2-4)	GP-518 (6-8)	GP-519 (2-4)	GP-520 (2-4)			
Isopropylbenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	NL	NL
p-Isopropyltoluene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	162	162
Methylene chloride	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025	NL	61.8	1,150
Methyl tertiary-butyl ether	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	196.9	63.8	282
Naphthalene	<0.0422	<0.04	<0.04	<0.0422	<0.0404	<0.04	<0.04	NL	5.52	24.1
n-Propylbenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.47	264	264
Styrene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.478	867	867
1,1,1,2-Tetrachloroethane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	2.78	12.3
1,1,2,2-Tetrachloroethane	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	NL	0.81	3.6
Tetrachloroethene	**1.28**	<0.025*	**0.0948**	**4.11**	**0.262**	**0.0767 (J)**	**0.53**	0.144	33	145
Toluene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	818	818
1,2,3-Trichlorobenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	88.878	62.6	934
1,2,4-Trichlorobenzene	<0.0501	<0.0476	<0.0476	<0.0501	<0.048	<0.0476	<0.0476	14.823	24	113
1,1,1-Trichloroethane	<0.0263	<0.025	<0.025	<0.0263	0.0641 (J)	0.063 (J)	<0.025	NL	640	640
1,1,2-Trichloroethane	<0.0263	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	NL	1.59	7.01
Trichloroethene	<0.0263	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	NL	1.3	8.41
Trichlorofluoromethane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	0.658	1,230	1,230
1,2,3-Trichloropropane	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	NL	0.005	0.109
1,2,4-Trimethylbenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025	54.546	219	219
1,3,5-Trimethylbenzene	<0.0263	<0.025	<0.025	<0.0263	<0.0253	<0.025	<0.025		182	182
Vinyl chloride	<0.0263*	<0.025*	<0.025*	<0.0263*	<0.0253*	<0.025*	<0.025*	0.0001	0.067	2.08
Xylenes (total)	<0.0789	<0.075	<0.075	<0.0789	<0.0758	<0.075	<0.075	3.96	260	260

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

* – Limit of detection reported greater than most stringent applicable standard; “non-detect” concentration not taken as exceedance per NR 720.07(2)(d)(1)

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

NL – Not Listed

VOCs via USEPA Method SW8260B/5035

Samples collected on May 25-26, 2017

Table A.2.B. Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-1 (8-10)	GP-2 (8-10)	GP-3 (8-10)	GP-4 (2-4)	GP-4 (8-10)	GP-5 (14-15)			
Acenaphthene	<0.0093	<0.0094	<0.0093	<0.0105	<0.0093	<0.0094	NL	3,590	45,200
Acenaphthylene	<0.0083	<0.0084	<0.0083	<0.0094	<0.0083	<0.0084	NL	NL	NL
Anthracene	<0.0097	<0.0098	<0.0096	<0.0109	<0.0097	<0.0097	196.9	17,900	100,000
Benzo(a)anthracene	<0.0065	<0.0065	<0.0064	<0.0073	<0.0065	0.0146 (J)	NL	1.14	20.8
Benzo(a)pyrene	<0.0067	<0.0067	<0.0067	<0.0075	<0.0067	0.0133 (J)	0.47	0.115	2.11
Benzo(b)fluoranthene	<0.0093	<0.0094	<0.0093	<0.0105	<0.0093	0.0139 (J)	0.478	1.15	21.1
Benzo(g,h,i)perylene	<0.0071	<0.0072	<0.0071	<0.008	<0.0071	0.0072 (J)	NL	NL	NL
Benzo(k)fluoranthene	<0.0103	<0.0104	<0.0103	<0.0116	<0.0103	0.0137 (J)	NL	11.5	211
Chrysene	<0.0086	<0.0087	<0.0086	0.0105 (J)	<0.0086	0.0199	0.144	115	2,110
Dibenzo(a,h)anthracene	<0.0068	<0.0069	<0.0068	<0.0077	<0.0068	<0.0069	NL	0.115	2.11
Fluoranthene	<0.0093	<0.0094	<0.0093	0.0117 (J)	<0.0093	0.0333	88.878	2,390	30,100
Fluorene	<0.0093	<0.0094	<0.0093	<0.0105	<0.0093	<0.0094	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	<0.0071	<0.0072	<0.0071	<0.008	<0.0071	<0.0071	NL	1.15	21.1
1-Methylnaphthene	<0.0093	<0.0094	<0.0093	<0.0105	<0.0093	<0.0094	NL	17.6	72.7
2-Methylnaphthene	<0.0093	<0.0094	<0.0093	<0.0105	<0.0093	<0.0094	NL	239	3,010
Naphthalene	<0.0093	<0.0094	<0.0093	<0.0105	<0.0093	<0.0094	0.658	5.52	24.1
Phenanthrene	<0.0093	<0.0094	<0.0093	<0.0105	<0.0093	0.0204	NL	NL	NL
Pyrene	<0.0093	<0.0094	<0.0093	0.0111 (J)	<0.0093	0.0309	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on November 12-13, 2014

Table A.2.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-6 (14-15)	GP-7 (14-15)	GP-8 (2-4)	GP-8R (14-15)	GP-9 (2-4)	GP-10 (2-4)			
Acenaphthene	<0.0099	<0.0094	<0.149	<0.0094	<0.01	<0.0108	NL	3,590	45,200
Acenaphthylene	<0.0088	<0.0084	<0.133	<0.0084	<0.009	<0.0097	NL	NL	NL
Anthracene	<0.0102	<0.0097	0.289 (J)	<0.0097	<0.0104	0.0131 (J)	196.9	17,900	100,000
Benzo(a)anthracene	<0.0068	<0.0065	**1.18**	<0.0065	<0.0069	0.024	NL	1.14	20.8
Benzo(a)pyrene	<0.007	<0.0067	**1.59**	<0.0067	<0.0072	0.0261	0.47	0.115	2.11
Benzo(b)fluoranthene	<0.0099	<0.0094	**1.49**	<0.0094	<0.01	0.0221	0.478	1.15	21.1
Benzo(g,h,i)perylene	<0.0075	<0.0072	1.16	<0.0072	<0.0076	0.0169 (J)	NL	NL	NL
Benzo(k)fluoranthene	<0.0109	<0.0104	1.69	<0.0104	<0.0111	0.022	NL	11.5	211
Chrysene	<0.0091	<0.0087	**1.95**	<0.0087	0.0099 (J)	0.0383	0.144	115	2,110
Dibenzo(a,h)anthracene	<0.0072	<0.0069	**0.392**	<0.0069	<0.0073	<0.0079	NL	0.115	2.11
Fluoranthene	<0.0099	<0.0094	4.09	<0.0094	0.0161 (J)	0.0554	88.878	2,390	30,100
Fluorene	<0.0099	<0.0094	<0.149	<0.0094	<0.01	<0.0108	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	<0.0075	<0.0071	1.01	<0.0071	<0.0076	0.0127 (J)	NL	1.15	21.1
1-Methylnaphthene	<0.0099	<0.0094	<0.149	<0.0094	<0.01	0.0162 (J)	NL	17.6	72.7
2-Methylnaphthene	<0.0099	<0.0094	<0.149	<0.0094	<0.01	0.018 (J)	NL	239	3,010
Naphthalene	<0.0099	<0.0094	<0.149	<0.0094	<0.01	0.0176 (J)	0.658	5.52	24.1
Phenanthrene	<0.0099	<0.0094	2.05	<0.0094	0.012 (J)	0.0586	NL	NL	NL
Pyrene	<0.0099	<0.0094	3.4	<0.0094	0.0131 (J)	0.057	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on November 12-13, 2014 or January 6, 2015

Table A.2.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-11 (2-4)	GP-11R (8-10)	GP-12 (8-10)	GP-13 (4-6)	GP-13R (8-10)	GP-14 (2-4)			
Acenaphthene	1.29	<0.0095	<0.0094	4.14	<0.0093	<0.0105	NL	3,590	45,200
Acenaphthylene	0.276 (J)	<0.0085	<0.0084	1.23 (J)	<0.0083	<0.0094	NL	NL	NL
Anthracene	4.21	<0.0098	<0.0097	2.63	<0.0096	<0.0109	196.9	17,900	100,000
Benzo(a)anthracene	**3.5**	<0.0066	<0.0065	<0.784	<0.0064	<0.0073	NL	1.14	20.8
Benzo(a)pyrene	***3.07***	<0.0068	<0.0067	**<0.809**	<0.0066	<0.0075	0.47	0.115	2.11
Benzo(b)fluoranthene	**1.87**	<0.0095	<0.0094	**<1.13**	<0.0093	<0.0105	0.478	1.15	21.1
Benzo(g,h,i)perylene	2.85	<0.0072	<0.0072	<0.862	<0.007	<0.008	NL	NL	NL
Benzo(k)fluoranthene	1.17	<0.0105	<0.0104	<1.25	<0.0102	<0.0116	NL	11.5	211
Chrysene	**5.66**	<0.0088	<0.0087	**<1.05**	<0.0086	<0.0097	0.144	115	2,110
Dibenzo(a,h)anthracene	**0.714**	<0.007	<0.0069	<0.83	<0.0068	<0.0077	NL	0.115	2.11
Fluoranthene	4.39	<0.0095	<0.0094	<1.13	<0.0093	<0.0105	88.878	2,390	30,100
Fluorene	2.19	<0.0095	<0.0094	6.58	<0.0093	<0.0105	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	**1.16**	<0.0072	<0.0071	<0.86	<0.007	<0.008	NL	1.15	21.1
1-Methylnaphthene	1.74	<0.0095	<0.0094	33.9	<0.0093	<0.0105	NL	17.6	72.7
2-Methylnaphthene	0.216 (J)	<0.0095	<0.0094	35.5	<0.0093	<0.0105	NL	239	3,010
Naphthalene	0.345 (J)	<0.0095	<0.0094	**7.63**	<0.0093	0.0118	0.658	5.52	24.1
Phenanthrene	11	<0.0095	<0.0094	12.5	<0.0093	<0.0105	NL	NL	NL
Pyrene	15	<0.0095	<0.0094	<1.13	<0.0093	<0.0105	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on November 12-13, 2014 or January 6, 2015

Table A.2.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-15 (4-6)	GP-101 (2-4)	GP-102 (2-4)	GP-103 (12-14)	GP-104 (2-4)	GP-105 (2-4)			
Acenaphthene	<0.0096	<0.124	0.0501 (J)	<0.0093	<0.0097	<0.142	NL	3,590	45,200
Acenaphthylene	<0.0086	<0.111	<0.0337	<0.0084	<0.0087	<0.127	NL	NL	NL
Anthracene	<0.01	0.183 (J)	0.16	<0.0097	<0.01	0.279 (J)	196.9	17,900	100,000
Benzo(a)anthracene	<0.0067	0.924	0.39	<0.0065	<0.0067	1.04	NL	1.14	20.8
Benzo(a)pyrene	<0.0069	**1.67**	**0.296**	<0.0067	<0.0069	**1.72**	0.47	0.115	2.11
Benzo(b)fluoranthene	<0.0096	**1.77**	0.412	<0.0093	<0.0097	**1.73**	0.478	1.15	21.1
Benzo(g,h,i)perylene	<0.0073	1.25	0.236	<0.0071	<0.0074	1.6	NL	NL	NL
Benzo(k)fluoranthene	<0.0106	1.15	0.127	<0.0103	<0.0107	0.664	NL	11.5	211
Chrysene	<0.0089	**1.42**	**0.702**	0.0103 (J)	<0.0089	**1.51**	0.144	115	2,110
Dibenzo(a,h)anthracene	<0.0071	**0.311**	0.0906	<0.0069	<0.0071	**0.33**	NL	0.115	2.11
Fluoranthene	<0.0096	2.63	0.436	<0.0093	<0.0097	1.85	88.878	2,390	30,100
Fluorene	<0.0096	<0.124	0.12	<0.0093	<0.0097	<0.142	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	<0.0073	0.899	0.137	<0.0071	<0.0074	0.747	NL	1.15	21.1
1-Methylnaphthene	<0.0096	0.131 (J)	0.502	0.0105 (J)	<0.0097	0.302	NL	17.6	72.7
2-Methylnaphthene	<0.0096	0.239 (J)	0.744	0.01 (J)	<0.0097	0.311	NL	239	3,010
Naphthalene	<0.0096	<0.124	0.351	<0.0093	<0.0097	0.154 (J)	0.658	5.52	24.1
Phenanthrene	<0.0096	1.39	1.17	0.0119 (J)	<0.0097	1.13	NL	NL	NL
Pyrene	<0.0096	2.51	0.714	<0.0093	<0.0097	3.77	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on November 12-13, 2014 or January 6, 2015

Table A.2.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-106 (2-4)	GP-107 (2-4)	GP-108 (2-4)	GP-109 (8-10)	GP-110 (8-10)	GP-111 (8-10)			
Acenaphthene	<0.0365	<0.366	1.73	<0.0095	<0.0094	<0.0094	NL	3,590	45,200
Acenaphthylene	<0.0327	0.768	0.433 (J)	<0.0085	<0.0084	<0.0084	NL	NL	NL
Anthracene	0.118	1.35	3.26	<0.0099	<0.0097	<0.0098	196.9	17,900	100,000
Benzo(a)anthracene	0.427	**4.36**	**4.6**	<0.0066	<0.0065	<0.0065	NL	1.14	20.8
Benzo(a)pyrene	**0.53**	***6.93***	***3.27***	<0.0068	<0.0067	<0.0067	0.47	0.115	2.11
Benzo(b)fluoranthene	**0.61**	**7.79**	**2.43**	<0.0095	<0.0094	<0.0094	0.478	1.15	21.1
Benzo(g,h,i)perylene	0.54	10.2	2.13	<0.0072	<0.0071	<0.0072	NL	NL	NL
Benzo(k)fluoranthene	0.209	3.54	0.83	<0.0105	<0.0104	<0.0104	NL	11.5	211
Chrysene	**0.586**	**5.21**	**5.1**	<0.0088	0.0089 (J)	<0.0087	0.144	115	2,110
Dibenzo(a,h)anthracene	0.112	**1.42**	**0.569 (J)**	<0.007	<0.0069	<0.0069	NL	0.115	2.11
Fluoranthene	0.631	5.1	3.2	<0.0095	<0.0094	<0.0094	88.878	2,390	30,100
Fluorene	0.0384 (J)	<0.366	3.11	<0.0095	<0.0094	<0.0094	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	0.273	**4.18**	0.95	<0.0072	<0.0071	<0.0071	NL	1.15	21.1
1-Methylnaphthene	0.0912	<0.366	9.92	<0.0095	<0.0094	<0.0094	NL	17.6	72.7
2-Methylnaphthene	0.102	<0.366	0.537 (J)	<0.0095	<0.0094	<0.0094	NL	239	3,010
Naphthalene	0.0842	<0.366	<0.352	<0.0095	<0.0094	<0.0094	0.658	5.52	24.1
Phenanthrene	0.336	1.4	17.3	<0.0095	<0.0094	<0.0094	NL	NL	NL
Pyrene	1.45	6.06	16.3	<0.0095	<0.0094	<0.0094	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on January 6, 2015

Table A.2.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-201 (2-4)	GP-203 (4-6)	GP-204 (4-6)	GP-205 (4-6)	GP-206 (2-4)	GP-206 (8-10)			
Acenaphthene	<0.0116	<0.0103	<0.0105	0.0655	<0.0105	<0.0093	NL	3,590	45,200
Acenaphthylene	0.0151 (J)	<0.0092	<0.0094	0.02	<0.0094	<0.0083	NL	NL	NL
Anthracene	0.0454	<0.0106	<0.0109	0.045	<0.0108	<0.0096	196.9	17,900	100,000
Benzo(a)anthracene	0.0855	<0.0071	<0.0073	0.025	<0.0072	<0.0064	NL	1.14	20.8
Benzo(a)pyrene	0.081	<0.0073	<0.0075	0.0273	0.0092 (J)	<0.0066	0.47	0.115	2.11
Benzo(b)fluoranthene	0.104	<0.0103	<0.0105	0.0275	<0.0105	<0.0093	0.478	1.15	21.1
Benzo(g,h,i)perylene	0.033	<0.0078	<0.008	0.0123 (J)	0.0087 (J)	<0.0071	NL	NL	NL
Benzo(k)fluoranthene	0.0828	<0.0114	<0.0116	0.0277	<0.0116	<0.0103	NL	11.5	211
Chrysene	0.119	<0.0095	<0.0097	0.034	0.0101 (J)	<0.0086	0.144	115	2,110
Dibenzo(a,h)anthracene	0.0148 (J)	<0.0075	<0.0077	<0.0071	<0.0077	<0.0068	NL	0.115	2.11
Fluoranthene	0.149	<0.0103	<0.0105	0.0473	0.0149 (J)	<0.0093	88.878	2,390	30,100
Fluorene	<0.0116	<0.0103	<0.0105	0.0929	<0.0105	<0.0093	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	0.0325	<0.0078	<0.008	0.0098 (J)	<0.0079	<0.0071	NL	1.15	21.1
1-Methylnaphthene	0.153	<0.0103	<0.0105	0.0352	<0.0105	<0.0093	NL	17.6	72.7
2-Methylnaphthene	0.196	<0.0103	<0.0105	0.0466	<0.0105	<0.0093	NL	239	3,010
Naphthalene	0.155	<0.0103	<0.0105	0.026	<0.0105	<0.0093	0.658	5.52	24.1
Phenanthrene	0.253	<0.0103	<0.0105	0.103	<0.0105	<0.0093	NL	NL	NL
Pyrene	0.15	<0.0103	<0.0105	0.0609	0.0114 (J)	<0.0093	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on December 11, 2015

Table A.2.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-208 (2-4)	GP-208 (8-10)	GP-210 (2-4)	GP-210 (8-10)	GP-211 (2-4)	GP-212 (2-4)			
Acenaphthene	<0.0105	<0.0093	<0.0098	<0.0093	<0.0106	<0.0116	NL	3,590	45,200
Acenaphthylene	<0.0094	<0.0083	<0.0088	<0.0083	<0.0095	<0.0103	NL	NL	NL
Anthracene	0.0208 (J)	<0.0096	<0.0102	<0.0096	<0.011	<0.012	196.9	17,900	100,000
Benzo(a)anthracene	0.0528	<0.0064	<0.0068	<0.0064	<0.0073	0.0085 (J)	NL	1.14	20.8
Benzo(a)pyrene	0.0532	<0.0066	<0.007	<0.0066	<0.0076	0.0084 (J)	0.47	0.115	2.11
Benzo(b)fluoranthene	0.0548	<0.0093	<0.0098	<0.0093	<0.0106	<0.0116	0.478	1.15	21.1
Benzo(g,h,i)perylene	0.0441	<0.0071	<0.0075	<0.0071	<0.0081	<0.0088	NL	NL	NL
Benzo(k)fluoranthene	0.0581	<0.0103	<0.0109	<0.0102	<0.0117	<0.0128	NL	11.5	211
Chrysene	0.0816	<0.0086	<0.0091	<0.0086	<0.0098	0.0118 (J)	0.144	115	2,110
Dibenzo(a,h)anthracene	0.0143 (J)	<0.0068	<0.0072	<0.0068	<0.0078	<0.0085	NL	0.115	2.11
Fluoranthene	0.142	<0.0093	<0.0098	<0.0093	<0.0106	0.0254	88.878	2,390	30,100
Fluorene	<0.0105	<0.0093	<0.0098	<0.0093	<0.0106	<0.0116	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	0.0376	<0.007	<0.0075	<0.007	<0.008	<0.0088	NL	1.15	21.1
1-Methylnaphthene	0.0184 (J)	<0.0093	<0.0098	<0.0093	<0.0106	<0.0116	NL	17.6	72.7
2-Methylnaphthene	0.0338	<0.0093	<0.0098	<0.0093	<0.0106	<0.0116	NL	239	3,010
Naphthalene	0.0279	<0.0093	<0.0098	<0.0093	<0.0106	<0.0116	0.658	5.52	24.1
Phenanthrene	0.0952	<0.0093	<0.0098	<0.0093	<0.0106	0.0171 (J)	NL	NL	NL
Pyrene	0.111	<0.0093	<0.0098	<0.0093	<0.0106	0.0211 (J)	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on December 11, 2015

Table A.2.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)							GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-213 (2-4)	HA-1 (0-2)	GP-301 (2-4)	GP-302 (2-4)	GP-303 (2-4)	GP-304 (2-4)	GP-305 (2-4)			
Acenaphthene	<0.0108	<0.0097	<0.0093	0.325 (J)	<0.0091	0.0175 (J)	<0.0095	NL	3,590	45,200
Acenaphthylene	<0.0096	<0.0086	0.0154 (J)	<0.178	<0.0082	<0.0082	<0.0085	NL	NL	NL
Anthracene	<0.0112	<0.01	0.0211	1.05	<0.0095	0.0386	0.0236	196.9	17,900	100,000
Benzo(a)anthracene	0.0128 (J)	<0.0067	0.0464	1.07	<0.0063	0.0684	0.0526	NL	1.14	20.8
Benzo(a)pyrene	0.0128 (J)	<0.0069	0.065	**0.894**	<0.0065	0.0711	0.0548	0.47	0.115	2.11
Benzo(b)fluoranthene	0.0112 (J)	<0.0097	0.0511	**0.503**	<0.0091	0.0638	0.061	0.478	1.15	21.1
Benzo(g,h,i)perylene	<0.0082	<0.0074	0.0852	0.72	<0.0069	0.0488	0.0367	NL	NL	NL
Benzo(k)fluoranthene	0.0124 (J)	<0.0107	0.0483	0.311 (J)	<0.0101	0.0618	0.0446	NL	11.5	211
Chrysene	0.0174 (J)	<0.0089	0.0722	**1.78**	<0.0084	0.0843	0.0779	0.144	115	2,110
Dibenzo(a,h)anthracene	<0.0079	<0.0071	0.0172 (J)	**0.173 (J)**	<0.0067	0.0148 (J)	0.0131 (J)	NL	0.115	2.11
Fluoranthene	0.0332	0.0124 (J)	0.0841	1.14	<0.0091	0.181	0.125	88.878	2,390	30,100
Fluorene	<0.0108	<0.0097	<0.0093	0.444	<0.0091	0.0208	<0.0095	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	<0.0082	<0.0073	0.04	0.277 (J)	<0.0069	0.0374	0.0303	NL	1.15	21.1
1-Methylnaphthene	<0.0108	<0.0097	0.0101 (J)	1.07	<0.0091	0.0303	0.0368	NL	17.6	72.7
2-Methylnaphthene	<0.0108	<0.0097	0.0104 (J)	0.421	<0.0091	0.0387	0.0479	NL	239	3,010
Naphthalene	<0.0108	<0.0097	0.013 (J)	0.282 (J)	<0.0091	0.0494	0.0471	0.658	5.52	24.1
Phenanthrene	0.0305	<0.0097	0.0408	0.906	<0.0091	0.122	0.196	NL	NL	NL
Pyrene	0.0333	0.0111 (J)	0.0997	5.13	<0.0091	0.134	0.0885	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on December 11, and April 24, 2015 or February 19, 2016

Table A.2.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Compounds (mg/kg)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-504 (2-4)	GP-505 (2-4)	GP-506 (2-4)	GP-507 (2-4)	GP-508 (2-4)	GP-509 (2-4)			
Acenaphthene	<0.0046	0.0059 (J)	0.0285 (J)	<0.0052	<0.005	<0.005	NL	3,590	45,200
Acenaphthylene	<0.0039	0.0042 (J)	0.0138 (J)	<0.0045	<0.0042	<0.0042	NL	NL	NL
Anthracene	<0.0068	0.0148 (J)	0.217	<0.0077	<0.0074	<0.0073	196.9	17,900	100,000
Benzo(a)anthracene	0.0379	0.0416	0.468	<0.0043	0.0236	0.0165	NL	1.14	20.8
Benzo(a)pyrene	0.0628	0.0452	**0.581**	<0.0034	0.0383	0.0245	0.47	0.115	2.11
Benzo(b)fluoranthene	0.122	0.0721	**0.938**	0.0042 (J)	0.0585	0.0305	0.478	1.15	21.1
Benzo(g,h,i)perylene	0.0367	0.0203	0.247	<0.0027	0.0255	0.0106	NL	NL	NL
Benzo(k)fluoranthene	0.0478	0.0292	0.269	<0.0034	0.0241	0.0134	NL	11.5	211
Chrysene	0.075	0.0629	**0.58**	<0.0046	0.0363	0.0226	0.144	115	2,110
Dibenzo(a,h)anthracene	0.0087 (J)	0.0092	0.0907	<0.003	0.0057 (J)	<0.0029	NL	0.115	2.11
Fluoranthene	0.0748	0.0971	1.16	<0.007	0.0544	0.0415	88.878	2,390	30,100
Fluorene	<0.0049	0.0072 (J)	0.0619	<0.0056	<0.0053	<0.0053	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	0.0334	0.0216	0.24	<0.003	0.0207	0.0099	NL	1.15	21.1
1-Methylnaphthene	0.0103 (J)	0.0597	0.0366	<0.0054	<0.0052	<0.0052	NL	17.6	72.7
2-Methylnaphthene	0.0141 (J)	0.0688	0.0619	<0.0068	<0.0064	<0.0064	NL	239	3,010
Naphthalene	0.01 (J)	0.0397	0.0497 (J)	<0.0114	<0.0108	0.0129 (J)	0.658	5.52	24.1
Phenanthrene	0.0285 (J)	0.0968	0.469	<0.0157	<0.015	<0.015	NL	NL	NL
Pyrene	0.064	0.0832	0.881	<0.0061	0.044	0.0353	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

Italics – Concentration exceeds the Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone (property is commercial but industrial exposure route assessed for completeness of evaluation)

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

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on May 25-26, 2017

Table A.4.A. Vapor Analytical Table for Volatile Organic Compounds (mg/m^3) (Sub-Slab Vapor Points)

Volatile Organic Compound	Sample Location						Sub-slab VRSL[1]
	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	
Acetone	0.0409	0.148	0.158	0.0396	0.0946	0.0553	4,667
Benzene	0.0037	0.0022	0.0037	0.00049	0.0018	0.0056	0.53
Benzyl chloride	<0.00025	<0.00029	<0.00029	<0.00022	<0.00028	<0.00028	0.083
Bromodichloromethane	<0.00029	<0.00034	<0.00034	<0.00026	<0.00033	<0.00033	0.11
Bromoform	<0.0013	<0.0016	<0.0016	<0.0012	<0.0015	<0.0015	3.67
Bromomethane	<0.00046	<0.00054	<0.00054	<0.00042	<0.00052	<0.00052	0.73
1,3-Butadiene	<0.00026	<0.00031	<0.00031	<0.00024	<0.0003	<0.0003	0.14
2-Butanone (MEK)	0.0067	0.0086	0.013	<0.00031	0.0051	0.0102	733
Carbon disulfide	0.0197	0.0047	0.0082	<0.00014	0.0011	0.0024	103
Carbon tetrachloride	0.00059	0.0008	<0.00034	<0.00026	<0.00032	<0.00032	0.67
Chlorobenzene	<0.0002	<0.00023	<0.00023	<0.00018	<0.00023	<0.00023	7.33
Chloroethane	<0.00029	<0.00034	<0.00034	<0.00026	<0.00033	<0.00033	1,467
Chloroform	<0.00028	<0.00033	<0.00033	0.0008	<0.00032	0.0014	0.18
Chloromethane	<0.00016	<0.00019	0.00071	0.00035	0.001	<0.00018	13
Cyclohexane	0.0015	0.003	0.011	0.0013	0.0026	0.0202	866
Dibromochloromethane	<0.0013	<0.0015	<0.0015	<0.0011	<0.0014	<0.0014	NL
1,2-Dibromoethane (EDB)	<0.0012	<0.0013	<0.0013	<0.001	<0.0013	<0.0013	0.007
1,2-Dichlorobenzene	<0.00076	<0.00089	<0.00089	<0.00069	<0.00086	<0.00086	0.0029
1,3-Dichlorobenzene	<0.00079	<0.00092	<0.00092	<0.00071	<0.00089	<0.00089	NL
1,4-Dichlorobenzene	0.003	<0.00087	<0.00087	<0.00067	<0.00084	<0.00084	0.367
Dichlorodifluoromethane	0.0024	0.0032	0.0128	0.0034	0.0038	0.0104	15
1,1-Dichloroethane	<0.00023	<0.00027	<0.00027	<0.00021	<0.00026	<0.00026	2.6
1,2-Dichloroethane	<0.00031	<0.00036	<0.00036	<0.00027	0.0019	0.0074	0.16
1,1-Dichloroethene	<0.00035	<0.00041	<0.00041	<0.00032	<0.0004	<0.0004	29
cis-1,2-Dichloroethene	<0.00037	<0.00043	<0.00043	<0.00033	<0.00041	0.00071	NL
trans-1,2-Dichloroethene	<0.00057	<0.00067	<0.00067	<0.00051	<0.00065	0.0015	NL
1,2-Dichloropropane	<0.0004	<0.00047	<0.00047	<0.00036	<0.00045	<0.00045	0.4
cis-1,3-Dichloropropene	<0.00055	<0.00064	<0.00064	<0.00049	<0.00062	<0.00062	1.03
trans-1,3-Dichloropropene	<0.00039	<0.00045	<0.00045	<0.00035	<0.00044	<0.00044	NL
Dichlorotetrafluoroethane	<0.00046	<0.00054	<0.00054	<0.00042	<0.00052	<0.00052	NL
Ethanol	0.0213	0.105	0.0968	0.0391	0.0622	0.921	NL
Ethyl acetate	<0.00052	<0.00061	<0.00061	<0.00047	0.0011	<0.00058	10
Ethylbenzene	0.0028	0.0037	0.0045	0.00077	0.003	0.0071	1.6
4-Ethyltoluene	0.0014	0.0023	0.002	0.00057	0.0017	0.0033	NL
n-Heptane	0.0026	0.0045	0.0123	0.0012	0.0041	0.0108	NL
Hexachloro-1,3-butadiene	<0.00097	<0.0011	<0.0011	<0.00087	<0.0011	<0.0011	0.187
n-Hexane	0.0021	0.0045	0.0122	0.0022	0.0039	0.0106	103
2-Hexanone	<0.00061	<0.00071	<0.00071	<0.00055	<0.00069	<0.00069	4
Methylene chloride	<0.00081	<0.00094	<0.00094	0.0271	0.003	<0.00091	87
4-Methyl-2-pentanone (MIBK)	<0.00032	<0.00038	<0.00038	<0.00029	<0.00036	<0.00036	433
Methyl tertiary-butyl ether	<0.00045	<0.00053	<0.00053	<0.00041	<0.00051	<0.00051	16
Naphthalene	0.0255	0.0153	0.018	<0.00041	<0.00051	0.0031	0.12
2-Propanol	0.0358	0.204	0.371	0.118	0.353	0.264	29
Propylene	0.0089	<0.00023	<0.00023	<0.00018	<0.00023	<0.00023	433
Styrene	0.0011	<0.00034	<0.00034	<0.00026	<0.00032	<0.00032	146
1,1,2,2-Tetrachloroethane	<0.00049	<0.00057	<0.00057	<0.00044	<0.00055	<0.00055	0.567
Tetrachloroethene	0.0166	0.0089	0.0011	1.11	1.97	**41.5**	6
Tetrahydrofuran	0.0012	<0.00021	<0.00021	<0.00016	<0.0002	<0.0002	293
Toluene	0.0073	0.0095	0.012	0.0079	0.0078	0.0187	730
1,2,4-Trichlorobenzene	<0.0014	<0.0016	<0.0016	<0.0012	<0.0015	<0.0015	0.29
1,1,1-Trichloroethane	<0.00037	<0.00043	<0.00043	0.0062	0.0311	0.12	730

Table A.4.A (Continued). Vapor Analytical Table for Volatile Organic Compounds (mg/m^3) (Sub-Slab Vapor Points)

Volatile Organic Compound	Sample Location						Sub-slab VRSL[1]
	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	
1,1,2-Trichloroethane	<0.00037	<0.00043	<0.00043	<0.00033	<0.00041	<0.00041	0.26
Trichloroethene	0.00052	0.00059	<0.00048	0.0085	0.0037	0.0666	0.29
Trichlorofluoromethane	0.0011	0.0012	0.0021	0.0012	<0.00022	0.00096	NL
1,1,2-Trichlorotrifluoroethane	0.00062	<0.00052	0.0014	0.0305	0.0141	0.0079	4,333
1,2,4-Trimethylbenzene	0.0056	0.0089	0.0082	0.0016	0.0049	0.015	1
1,3,5-Trimethylbenzene	0.0015	0.0023	0.0022	<0.00025	0.0012	0.0043	NL
Vinyl acetate	<0.00049	<0.00057	<0.00057	<0.00044	<0.00055	<0.00055	29
Vinyl chloride	<0.00029	<0.00034	<0.00034	<0.00026	<0.00033	<0.00033	0.93
m&p-Xylene	0.006	0.01	0.0104	0.0023	0.0065	0.0168	15
o-Xylene	0.0028	0.0036	0.004	0.0008	0.0026	0.0065	15

[1] – Sub-slab Vapor Risk Screening Levels (VRSLs) for Small Commercial space taken from the *WI Vapor Quick Look-Up Table Indoor Air Vapor Action Levels and Vapor Risk Screening Levels* (November 2017 update) or calculated from USEPA RSLs per *WI Vapor Quick Look-Up Table* notes

Bold – Concentration exceeds the Sub-slab VRSL

NL – Not Listed and not calculated (either no information available on USEPA tables, or contaminant not detected)

VOCs by USEPA Method TO-15

Samples collected on February 18, 2016

Table A.4.A (Continued). Vapor Analytical Table for Volatile Organic Compounds (mg/m^3) (Sub-Slab Vapor Points)

Volatile Organic Compound	Sample Location					Sub-slab VRSL[1]
	SS-7	SS-8	SS-9	SS-10	SS-11	
Acetone	0.0134	0.111	0.283	0.0642	0.212	4,667
Benzene	0.00047	0.00085	0.0063	0.0035	0.0033	0.53
Benzyl chloride	<0.00024	<0.00022	<0.00028	<0.00029	<0.00029	0.083
Bromodichloromethane	<0.00028	<0.00026	<0.00033	<0.00034	<0.00034	0.11
Bromoform	<0.0013	<0.0012	<0.0015	<0.0016	<0.0016	3.67
Bromomethane	<0.00045	<0.00042	<0.00052	<0.00054	<0.00054	0.73
1,3-Butadiene	<0.00025	<0.00024	<0.0003	<0.00031	<0.00031	0.14
2-Butanone (MEK)	<0.00033	0.0048	0.0136	0.0032	0.0198	733
Carbon disulfide	<0.00015	0.00087	0.0057	0.00094	0.0143	103
Carbon tetrachloride	0.00046	<0.00026	<0.00032	0.00081	<0.00034	0.67
Chlorobenzene	<0.00019	<0.00018	<0.00023	<0.00023	<0.00023	7.33
Chloroethane	<0.00028	<0.00026	<0.00033	<0.00034	<0.00034	1,467
Chloroform	<0.00027	<0.00025	<0.00032	<0.00033	<0.00033	0.18
Chloromethane	<0.00016	<0.00014	<0.00018	<0.00019	<0.00019	13
Cyclohexane	0.00061	0.0016	0.0125	0.0052	0.0105	866
Dibromochloromethane	<0.0012	<0.0011	<0.0014	<0.0015	<0.0015	NL
1,2-Dibromoethane (EDB)	<0.0011	<0.001	<0.0013	<0.0013	<0.0013	0.007
1,2-Dichlorobenzene	<0.00074	<0.00069	<0.00086	<0.00089	<0.00089	0.0029
1,3-Dichlorobenzene	<0.00076	<0.00071	<0.00089	<0.00092	<0.00092	NL
1,4-Dichlorobenzene	<0.00072	<0.00067	<0.00084	<0.00087	<0.00087	0.367
Dichlorodifluoromethane	0.0025	0.0026	0.0027	0.004	<0.00084	15
1,1-Dichloroethane	<0.00023	<0.00021	<0.00026	<0.00027	<0.00027	2.6
1,2-Dichloroethane	<0.0003	<0.00027	0.00076	<0.00036	<0.00036	0.16
1,1-Dichloroethene	<0.00034	<0.00032	<0.0004	<0.00041	<0.00041	29
cis-1,2-Dichloroethene	<0.00035	<0.00033	<0.00041	<0.00043	<0.00043	NL
trans-1,2-Dichloroethene	<0.00055	<0.00051	<0.00065	<0.00067	<0.00067	NL
1,2-Dichloropropane	<0.00039	<0.00036	<0.00045	<0.00047	<0.00047	0.4
cis-1,3-Dichloropropene	<0.00053	<0.00049	<0.00062	<0.00064	<0.00064	1.03
trans-1,3-Dichloropropene	<0.00037	<0.00035	<0.00044	<0.00045	<0.00045	NL
Dichlorotetrafluoroethane	<0.00045	<0.00042	<0.00052	<0.00054	<0.00054	NL
Ethanol	0.127	0.0245	0.125	0.0474	0.0964	NL
Ethyl acetate	<0.0005	<0.00047	0.00069	0.001	<0.00061	10
Ethylbenzene	0.00067	0.00063	0.0045	0.0031	0.0047	1.6
4-Ethyltoluene	<0.00027	<0.00025	0.0019	0.00098	0.0013	NL
n-Heptane	0.00069	0.0012	0.023	0.0078	0.0148	NL
Hexachloro-1,3-butadiene	<0.00094	<0.00087	<0.0011	<0.0011	<0.0011	0.187
n-Hexane	0.00065	0.0011	0.0223	0.0281	0.0144	103
2-Hexanone	<0.00059	<0.00055	<0.00069	<0.00071	0.0044	4
Methylene chloride	<0.00078	<0.00073	<0.00091	0.312	<0.00094	87
4-Methyl-2-pentanone (MIBK)	<0.00031	<0.00029	<0.00036	0.0014	<0.00038	433
Methyl tertiary-butyl ether	<0.00044	<0.00041	<0.00051	<0.00053	<0.00053	16
Naphthalene	<0.00044	0.0023	<0.00051	<0.00053	<0.00053	0.12
2-Propanol	0.0146	0.0214	0.0878	0.0067	0.0624	29
Propylene	<0.00019	<0.00018	<0.00023	<0.00023	<0.00023	433
Styrene	<0.00028	<0.00026	0.00048	<0.00034	<0.00034	146
1,1,2,2-Tetrachloroethane	<0.00047	<0.00044	<0.00055	<0.00057	<0.00057	0.567
Tetrachloroethene	0.0685	0.0311	0.0281	0.0057	0.0315	6
Tetrahydrofuran	<0.00017	<0.00016	0.0079	0.0039	<0.00021	293

Table A.4.A (Continued). Vapor Analytical Table for Volatile Organic Compounds (mg/m^3) (Sub-Slab Vapor Points)

Volatile Organic Compound	Sample Location					Sub-slab VRSL[1]
	SS-7	SS-8	SS-9	SS-10	SS-11	
Toluene	0.0037	0.0016	0.0117	0.0476	0.0093	730
1,2,4-Trichlorobenzene	<0.0013	<0.0012	<0.0015	<0.0016	<0.0016	0.29
1,1,1-Trichloroethane	<0.00036	0.00096	0.0125	<0.00043	<0.00043	730
1,1,2-Trichloroethane	<0.00035	<0.00033	<0.00041	<0.00043	<0.00043	0.26
Trichloroethene	0.0015	<0.00037	<0.00046	0.00096	<0.00048	0.29
Trichlorofluoromethane	0.0012	0.0012	0.0013	0.0023	0.0012	NL
1,1,2-Trichlorotrifluoroethane	0.00076	0.00055	0.00079	0.00096	<0.00052	4,333
1,2,4-Trimethylbenzene	0.0015	0.002	0.0078	0.0022	0.0053	1
1,3,5-Trimethylbenzene	<0.00026	<0.00025	0.0023	0.0012	0.0019	NL
Vinyl acetate	<0.00048	<0.00044	<0.00055	<0.00057	<0.00057	29
Vinyl chloride	<0.00028	<0.00026	<0.00033	<0.00034	<0.00034	0.93
m&p-Xylene	0.002	0.0022	0.0139	0.011	0.017	15
o-Xylene	0.00073	0.00082	0.0049	0.0032	0.0053	15

[1] – Sub-slab Vapor Risk Screening Levels (VRSLs) for Small Commercial space taken from the *WI Vapor Quick Look-Up Table Indoor Air Vapor Action Levels and Vapor Risk Screening Levels* (November 2017 update) or calculated from USEPA RSLs per *WI Vapor Quick Look-Up Table* notes

Bold – Concentration exceeds the Sub-slab VRSL

NL – Not listed in *WI Vapor Quick Look-Up Table* and not calculated (either no information available on USEPA tables, or contaminant not detected)

VOCs by USEPA Method TO-15

Samples collected on February 18, 2016

Table A.4.A (Continued). Vapor Analytical Table for Volatile Organic Compounds (mg/m^3) (Sub-Slab Vapor Points)

Volatile Organic Compound	Sample Location					Sub-slab VRSL[1]
	SS-101	SS-204 (SS-101Rep)	SS-201	SS-202	SS-203	
Acetone	0.097	0.12	0.089	0.061	0.19	4,667
Benzene	0.0055	0.0023	0.0031	0.0013	0.0022	0.53
Bromodichloromethane	<0.004	<0.0016	<0.0014	<0.0014	<0.0015	0.11
Bromoform	<0.016	<0.0061	<0.0055	<0.0055	<0.0057	3.67
Bromomethane	<0.0059	<0.0023	<0.0021	<0.0021	<0.0021	0.73
2-Butanone (MEK)	0.0093	0.0099	0.015	0.0036	0.0097	733
Carbon disulfide	0.0092	<0.00073	0.0016	0.0008	<0.00068	103
Carbon tetrachloride	<0.004	<0.0015	<0.0013	<0.0013	<0.0014	0.67
Chlorobenzene	<0.0028	<0.0011	<0.00099	<0.00098	<0.001	7.33
Chloroform	<0.0031	<0.0012	<0.0010	<0.0010	<0.0011	0.18
Dibromochloromethane	<0.0052	<0.002	<0.0018	<0.0018	<0.0019	NL
1,2-Dibromoethane (EDB)	<0.0046	<0.0018	<0.0016	<0.0016	<0.0017	0.007
1,2-Dichlorobenzene	<0.0037	<0.0014	<0.0013	<0.0013	<0.0013	0.0029
1,4-Dichlorobenzene	<0.0037	<0.0014	<0.0013	<0.0013	<0.0013	0.367
Dichlorodifluoromethane	0.012	0.0031	<0.0011	0.0031	0.0021	15
1,1-Dichloroethane	<0.0025	<0.00095	<0.00087	<0.00087	<0.00089	2.6
1,2-Dichloroethane	<0.0025	<0.00095	<0.00087	<0.00087	<0.00089	0.16
1,1-Dichloroethene	<0.0025	<0.00093	<0.00085	<0.00085	<0.00087	29
cis-1,2-Dichloroethene	<0.0025	<0.00093	<0.00085	<0.00085	<0.00087	NL
trans-1,2-Dichloroethene	<0.0025	<0.00093	<0.00085	<0.00085	<0.00087	NL
1,2-Dichloropropane	<0.0028	<0.0011	<0.00099	<0.00099	<0.001	0.4
cis-1,3-Dichloropropene	<0.0028	<0.0011	<0.00097	<0.00097	<0.001	1.03
trans-1,3-Dichloropropene	<0.0028	<0.0011	<0.00097	<0.00097	<0.001	NL
Ethylbenzene	0.028	0.0028	0.0027	0.0013	0.0022	1.6
Methylene chloride	<0.021	<0.0082	<0.0074	<0.0074	<0.0076	87
Methyl tertiary-butyl ether	<0.0022	<0.00085	<0.00077	<0.00077	<0.00079	16
Naphthalene	**0.8**	0.012	<0.0011	<0.0011	<0.0011	0.12
Styrene	0.0056	<0.001	<0.00091	<0.00091	<0.00093	146
Tetrachloroethene	2.3	0.12	0.017	0.018	0.032	6
Toluene	0.42	0.033	0.0087	0.0047	0.0067	730
1,2,4-Trichlorobenzene	<0.0046	<0.0017	<0.0016	<0.0016	<0.0016	0.29
1,1,1-Trichloroethane	<0.0034	<0.0013	<0.0012	<0.0012	<0.0012	730
1,1,2-Trichloroethane	<0.0034	<0.0013	<0.0012	<0.0012	<0.0012	0.26
Trichloroethene	<0.0034	<0.0013	<0.0012	<0.0011	<0.0012	0.29
Trichlorofluoromethane	0.0035	<0.0013	<0.0012	<0.0012	<0.0012	NL
Vinyl acetate	<0.022	<0.0083	<0.0075	<0.0075	<0.0077	29
Vinyl chloride	<0.0015	<0.0006	<0.00055	<0.00055	<0.00056	0.93
m&p-Xylene	0.039	0.0023	0.0031	0.0014	0.0041	15
o-Xylene	0.021	0.0053	0.0069	0.0035	0.0077	15

[1] – Sub-slab Vapor Risk Screening Levels (VRSLs) for Small Commercial space taken from the *WI Vapor Quick Look-Up Table Indoor Air Vapor Action Levels and Vapor Risk Screening Levels* (November 2017 update) or calculated from USEPA RSLs per *WI Vapor Quick Look-Up Table* notes

Bold – Concentration exceeds the Sub-slab VRSL

NL – Not listed in *WI Vapor Quick Look-Up Table* and not calculated (either no information available on USEPA tables, or contaminant not detected)

VOCs by USEPA Method TO-15

Samples collected on September 8, 2016 (S-101) or January 5, 2018 (200 series)

Table A.4.B. Vapor Analytical Table for Volatile Organic Compounds (mg/m^3) (Soil Gas Borings)

Volatile Organic Compound	Sample Location			Deep Soil Gas VRSL[1]
	SG-1	SG-2	SG-3	
Acetone	<0.015	0.15	<0.015	14,000
Benzene	0.0025	0.0078	0.0081	1.6
Bromodichloromethane	<0.0041	<0.004	<0.0042	0.33
Bromoform	<0.016	<0.016	<0.017	11
Bromomethane	<0.006	<0.0059	<0.0061	2.2
2-Butanone (MEK)	<0.0047	0.0075	0.0089	2,200
Carbon disulfide	0.41	0.0095	0.053	310
Carbon tetrachloride	<0.0041	<0.004	<0.0042	2
Chlorobenzene	<0.0028	<0.0028	<0.0029	22
Chloroform	<0.0031	0.019	<0.0032	0.53
Dibromochloromethane	<0.0053	<0.0052	<0.0055	NL
1,2-Dibromoethane (EDB)	<0.0047	<0.0046	<0.0048	0.02
1,2-Dichlorobenzene	<0.0038	<0.0037	<0.0039	0.0088
1,4-Dichlorobenzene	<0.0038	<0.0037	<0.0039	1
Dichlorodifluoromethane	0.029	0.026	0.022	44
1,1-Dichloroethane	<0.0025	<0.0025	<0.0026	7.7
1,2-Dichloroethane	<0.0025	<0.0025	<0.0026	0.47
1,1-Dichloroethene	<0.0025	<0.0025	<0.0026	88
cis-1,2-Dichloroethene	<0.0025	<0.0025	<0.0026	NL
trans-1,2-Dichloroethene	<0.0025	<0.0025	<0.0026	NL
1,2-Dichloropropane	<0.0028	<0.0028	<0.0029	1.2
cis-1,3-Dichloropropene	<0.0028	<0.0028	<0.0029	3.1
trans-1,3-Dichloropropene	<0.0028	<0.0028	<0.0029	NL
Ethyl acetate	<0.0056	<0.0055	<0.0058	31
Ethylbenzene	<0.0028	<0.0028	<0.0029	4.9
Methylene chloride	<0.022	<0.021	<0.022	260
Methyl tertiary-butyl ether	<0.0022	<0.0022	<0.0023	47
Naphthalene	<0.0031	<0.0031	<0.0032	0.36
Styrene	<0.0028	<0.0028	<0.0029	440
Tetrachloroethene	5.8	0.35	0.071	18
Toluene	<0.0025	0.0094	0.017	2,200
1,2,4-Trichlorobenzene	<0.0047	<0.0046	<0.0048	0.88
1,1,1-Trichloroethane	0.0043	<0.0034	<0.0035	2,200
1,1,2-Trichloroethane	<0.0034	<0.0034	<0.0035	0.077
Trichloroethene	<0.0034	<0.0034	<0.0035	0.88
Trichlorofluoromethane	<0.0034	<0.0034	<0.0035	NL
Vinyl acetate	<0.022	<0.022	<0.023	88
Vinyl chloride	<0.0016	<0.0015	<0.0016	2.8
m&p-Xylene	<0.0053	<0.0052	0.0066	44
o-Xylene	<0.0028	<0.0028	0.0039	44

[1] – Deep Soil Gas Vapor Risk Screening Levels (VRSLs) for Small Commercial space taken from the *WI Vapor Quick Look-Up Table Indoor Air Vapor Action Levels and Vapor Risk Screening Levels* (November 2017 update) or calculated from USEPA RSLs per *WI Vapor Quick Look-Up Table* notes

VOCs by USEPA Method TO-15

Samples collected on September 8, 2016

Table A.4.C. Vapor Analytical Table for Volatile Organic Compounds (μg/m^3) (Ambient Air Samples)

Volatile Organic Compound	Sample Location					Indoor Air VAL[1]
	IAS-1	IAS-2	IAS-3	IAS-4	OAS-1*	
Benzene	<0.74	<0.76	<0.72	<0.69	<0.73	16
Carbon tetrachloride	<1.5	<1.5	<1.4	<1.4	<1.4	20
Chloroform	<0.28	<0.29	<0.28	<0.26	<0.28	5.3
Chloromethane	<1.2	<1.2	<1.2	1.1	<1.2	390
Dichlorodifluoromethane	1.7	1.8	1.8	1.8	1.8	440
1,1-Dichloroethane	<0.94	<0.96	<0.92	<0.87	<0.93	77
1,2-Dichloroethane	<0.94	<0.96	<0.92	<0.87	<0.93	4.7
1,1-Dichloroethene	<0.92	<0.94	<0.9	<0.86	<0.91	880
cis-1,2-Dichloroethene	<0.92	<0.94	<0.9	<0.86	<0.91	NL
trans-1,2-Dichloroethene	<0.92	<0.94	<0.9	<0.86	<0.91	NL
Ethylbenzene	<1	<1	<0.99	<0.94	<1	49
Methylene chloride	<8.1	<8.2	<7.9	<7.5	<8	2,600
Methyl tertiary-butyl ether	<0.84	<0.85	<0.82	<0.78	<0.83	470
Naphthalene	<0.31	<0.31	<0.3	<0.28	<0.3	3.6
Tetrachloroethene	15	15	23	3.5	<1.6	180
Toluene	1.1	1.2	2.4	2	<0.87	22,000
1,1,1-Trichloroethane	<1.3	<1.3	<1.2	<1.2	<1.3	22,000
Trichloroethene	<0.31	<0.32	<0.3	<0.29	<0.31	8.8
Trichlorofluoromethane	<1.3	<1.3	<1.3	<1.2	<1.3	NL
1,2,4-Trimethylbenzene	<1.1	<1.2	<1.1	<1.1	<1.1	31
1,3,5-Trimethylbenzene	<1.1	<1.2	<1.1	<1.1	<1.1	NL
Vinyl chloride	<0.6	<0.61	<0.58	<0.55	<0.59	28
m&p-Xylene	<2	<2.1	<2	<1.9	<2	440
o-Xylene	<1	<1	<0.99	<0.94	<1	440

[1] – Indoor Air Vapor Action Levels (VALs) for Small Commercial space taken from the *WI Vapor Quick Look-Up Table Indoor Air Vapor Action Levels and Vapor Risk Screening Levels* (November 2017 update) or calculated from USEPA RSLs per *WI Vapor Quick Look-Up Table* notes

***** – OAS-1 is an outdoor air sample for comparison to indoor air sample results

NL – Not listed in *WI Vapor Quick Look-Up Table* and not calculated (either no information available on USEPA tables, or contaminant not detected)

VOCs by USEPA Method TO-15

Samples collected on April 5, 2017

Table A.4.D. Vapor Analytical Table for Volatile Organic Compounds (mg/m^3) (Ace Hardwar Sump Pit Vapor)

Volatile Organic Compound	Sample Location	Indoor Air VAL[1]
	SS-Sump	
Benzene	<0.00067	0.016
Carbon tetrachloride	<0.0013	0.02
Chloroform	<0.001	0.0053
Dichlorodifluoromethane	0.0016	0.44
1,1-Dichloroethane	<0.00085	0.077
1,2-Dichloroethane	<0.00085	0.0047
1,1-Dichloroethene	<0.00083	0.88
cis-1,2-Dichloroethene	<0.00083	NL
trans-1,2-Dichloroethene	<0.00083	NL
Ethylbenzene	<0.00091	0.049
Methylene chloride	<0.0073	2.6
Methyl tertiary-butyl ether	<0.00075	0.47
Naphthalene	<0.0011	0.0036
Tetrachloroethene	0.073	0.18
Toluene	<0.00079	22
1,1,1-Trichloroethane	<0.0011	22
Trichloroethene	<0.0011	0.0088
Trichlorofluoromethane	<0.0012	NL
Vinyl acetate	<0.0074	0.0028
Vinyl chloride	<0.00053	0.44
m&p-Xylene	<0.00091	0.44
o-Xylene	<0.0018	0.015

[1] – Indoor Air Vapor Action Levels (VALs) for Small Commercial space taken from the *WI Vapor Quick Look-Up Table Indoor Air Vapor Action Levels and Vapor Risk Screening Levels* (November 2017 update) or calculated from USEPA RSLs per *WI Vapor Quick Look-Up Table* notes

***** – OAS-1 is an outdoor air sample for comparison to indoor air sample results

NL – Not listed in *WI Vapor Quick Look-Up Table* and not calculated (either no information available on USEPA tables, or contaminant not detected)

VOCs by USEPA Method TO-15

Samples collected on January 5, 2018

Table A.5. Sump Water Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)		PAL[1]	ES[2]
	ACE Sump (06/04/17)	ACE Sump (01/05/18)		
Benzene	<0.0005	<0.0005	0.0005	0.005
Bromobenzene	<0.00023	<0.00023	NL	NL
Bromochloromethane	<0.00034	<0.00034	NL	NL
Bromodichloromethane	<0.0005*	<0.0005*	0.00006	0.0006
Bromoform	<0.0005*	<0.0005*	0.00044	0.0044
Bromomethane	<0.0024*	<0.0024*	0.001	0.01
n-Butylbenzene	<0.0005	<0.0005	NL	NL
sec-Butylbenzene	<0.0022	<0.0022	NL	NL
tert-Butylbenzene	<0.00018	<0.00018	NL	NL
Carbon tetrachloride	<0.0005*	<0.0005*	0.0005	0.005
Chlorobenzene	<0.0005	<0.0005	NL	NL
Chloroethane	<0.00037	<0.00037	0.08	0.4
Chloroform	<0.0025*	<0.0025*	0.0006	0.006
Chloromethane	0.00051 (J)	<0.0005	0.003	0.03
2-Chlorotoluene	<0.0005	<0.0005	NL	NL
4-Chlorotoluene	<0.00021	<0.00021	NL	NL
Dibromochloromethane	<0.0022*	<0.0005*	0.006	0.006
1,2-Dibromo-3-chloropropane	<0.0005*	<0.0022*	0.00002	0.0002
1,2-Dibromoethane (EDB)	<0.00018*	<0.00018*	0.000005	0.00005
Dibromomethane	<0.00043	<0.00043	NL	NL
1,2-Dichlorobenzene	<0.0005	<0.0005	0.06	0.6
1,3-Dichlorobenzene	<0.0005	<0.0005	0.12	0.6
1,4-Dichlorobenzene	<0.0005	<0.0005	0.015	0.075
Dichlorodifluoromethane	<0.00022	<0.00022	0.2	1
1,1-Dichloroethane	<0.00024	<0.00024	0.085	0.85
1,2-Dichloroethane	<0.00017	<0.00017	0.0005	0.005
1,1-Dichloroethene	<0.00041	<0.00041	0.0007	0.007
cis-1,2-Dichloroethene	<0.00026	<0.00026	0.007	0.07
trans-1,2-Dichoroethene	<0.00026	<0.00026	0.02	0.1
1,2-Dichloropropane	<0.00023	<0.00023	0.0005	0.005
1,3-Dichloropropane	<0.0005	<0.0005	NL	NL
2,2-Dichloropropane	<0.00048	<0.00048	NL	NL
1,1-Dichloropropene	<0.00044	<0.00044	NL	NL
1,3-Dichloropropene (c & t)	<0.00073*	<0.00073*	0.00004	0.0004
Diisopropyl ether	<0.0005	<0.0005	NL	NL
Ethylbenzene	<0.0005	<0.0005	0.14	0.7
Hexachloro-1,3-butadiene	<0.0021	<0.0021	NL	NL
Isopropyl benzene	<0.00014	<0.00014	NL	NL
p-Isopropyltoluene	<0.0005	<0.0005	NL	NL
Methylene chloride	<0.00023	<0.00023	0.0005	0.005
Methyl tertiary-butyl ether	<0.00017	<0.00017	0.012	0.06
Naphthalene	<0.0025	<0.0025	0.01	0.1
n-Propylbenzene	<0.0005	<0.0005	NL	NL
Styrene	<0.0005	<0.0005	0.01	0.1
1,1,1,2-Tetrachloroethane	<0.00018	<0.00018	0.007	0.07
1,1,2,2-Tetrachloroethane	<0.00025*	<0.00025*	0.00002	0.0002
Tetrachloroethene	**0.006**	**0.0082**	0.0005	0.005
Toluene	<0.0005	<0.0005	0.16	0.8
1,2,3-Trichlorobenzene	<0.0021	<0.0021	NL	NL

Table A.5 (Continued). Sump Water Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)		PAL[1]	ES[2]
	ACE Sump (06/04/17)	ACE Sump (01/05/18)		
1,2,4-Trichlorobenzene	<0.0022	<0.0022	0.014	0.07
1,1,1-Trichloroethane	<0.0005	<0.0005	0.04	0.2
1,1,2-Trichloroethane	<0.0002	<0.0002	0.0005	0.005
Trichloroethene	<0.00033	<0.00033	0.0005	0.005
Trichlorofluoromethane	<0.00018	<0.00018	0.7	3.5
1,2,3-Trichloropropane	<0.0005	<0.0005	0.012	0.06
1,2,4-Trimethylbenzene	<0.0005	<0.0005	0.096	0.48
1,3,5-Trimethylbenzene	<0.0005	<0.0005		
Vinyl chloride	<0.00018	<0.00018	0.4	2
Xylenes (total)	<0.0015	<0.0015	3.96	260

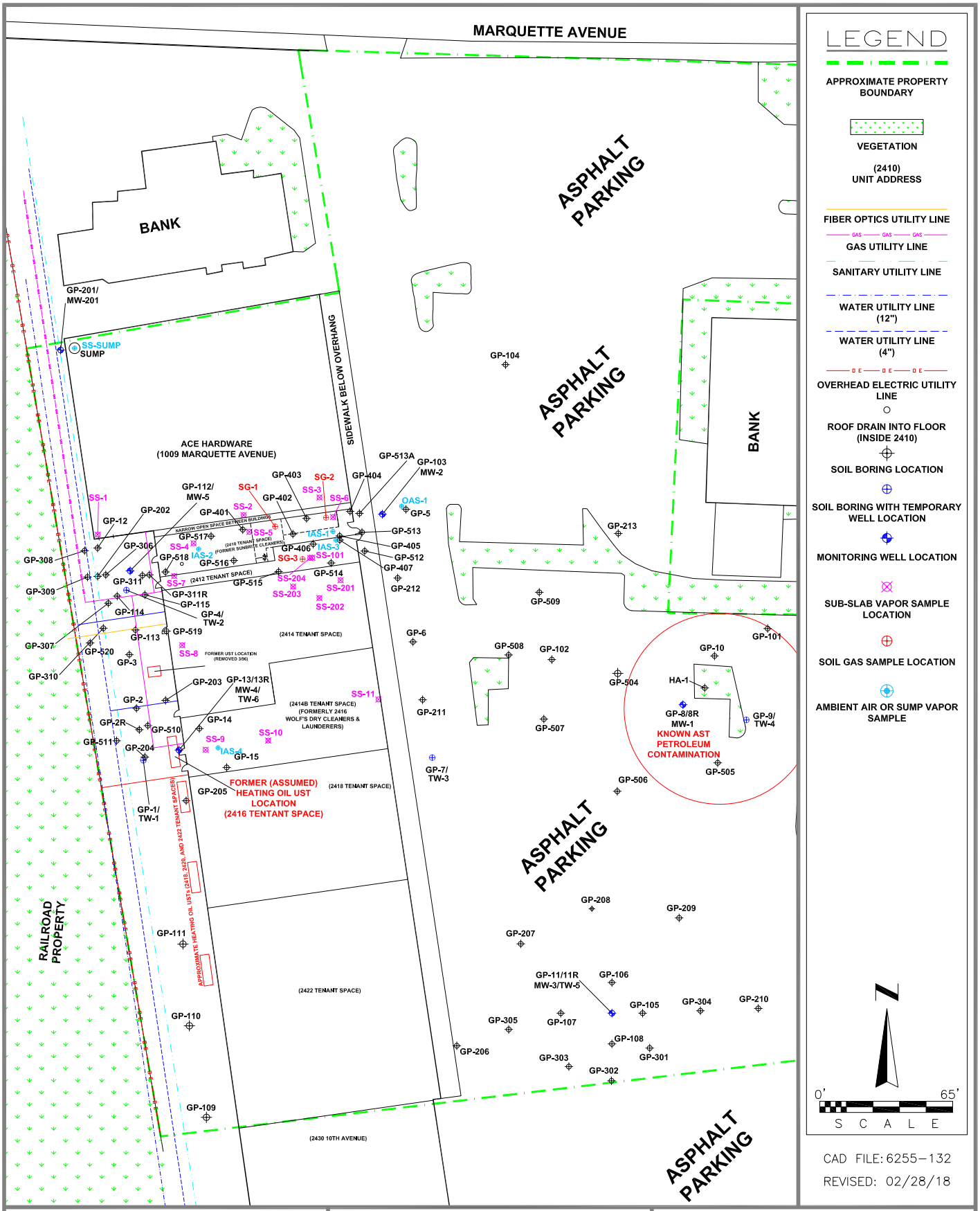
[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
Underlined – Concentration exceeds the PAL and the ES
* – Limit of detection reported greater than most stringent applicable standard in an undiluted sample (i.e., lowest achievable limit); "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in Wisconsin Administrative Code
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	2/27/18	1.58	14.49	97.55
		5/30/17	2.17		96.96
		4/24/15	1.46		97.67
		3/30/15	1.98		97.15
		1/27/15	3.93		95.20
MW-2	100.75	2/27/18	8.54	14.41	92.21
		5/30/17	7.95		92.80
		4/24/15	7.21		93.54
		3/30/15	8.01		92.74
		1/27/15	8.60		92.15
MW-3	100.05	2/27/18	2.43	14.46	97.62
		5/30/17	2.45		97.60
		4/24/15	2.27		97.78
		3/30/15	2.73		97.32
		1/27/15	4.46		95.59
MW-4	100.57	2/27/18	7.23	14.57	93.34
		5/30/17	6.38		94.19
		4/24/15	5.94		94.63
		3/30/15	7.04		93.53
		1/27/15	6.53		94.04
MW-5	100.24	2/27/18	6.15	14.60	94.09
		5/30/17	5.96		94.28
		4/24/15	5.92		94.32
		3/30/15	6.26		93.98
		1/27/15	6.50		93.82
MW-201	100.10	2/27/18	6.46	14.57	93.64
		5/30/17	6.26		93.84
		4/24/15	5.91		94.19
		3/30/15	6.28		93.82
		1/27/15	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



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
- ROOF DRAIN INTO FLOOR (INSIDE 2410)
- SOIL BORING LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- MONITORING WELL LOCATION
- SUB-SLAB VAPOR SAMPLE LOCATION
- SOIL GAS SAMPLE LOCATION
- AMBIENT AIR OR SUMP VAPOR SAMPLE

N

0' 65'

S C A L E

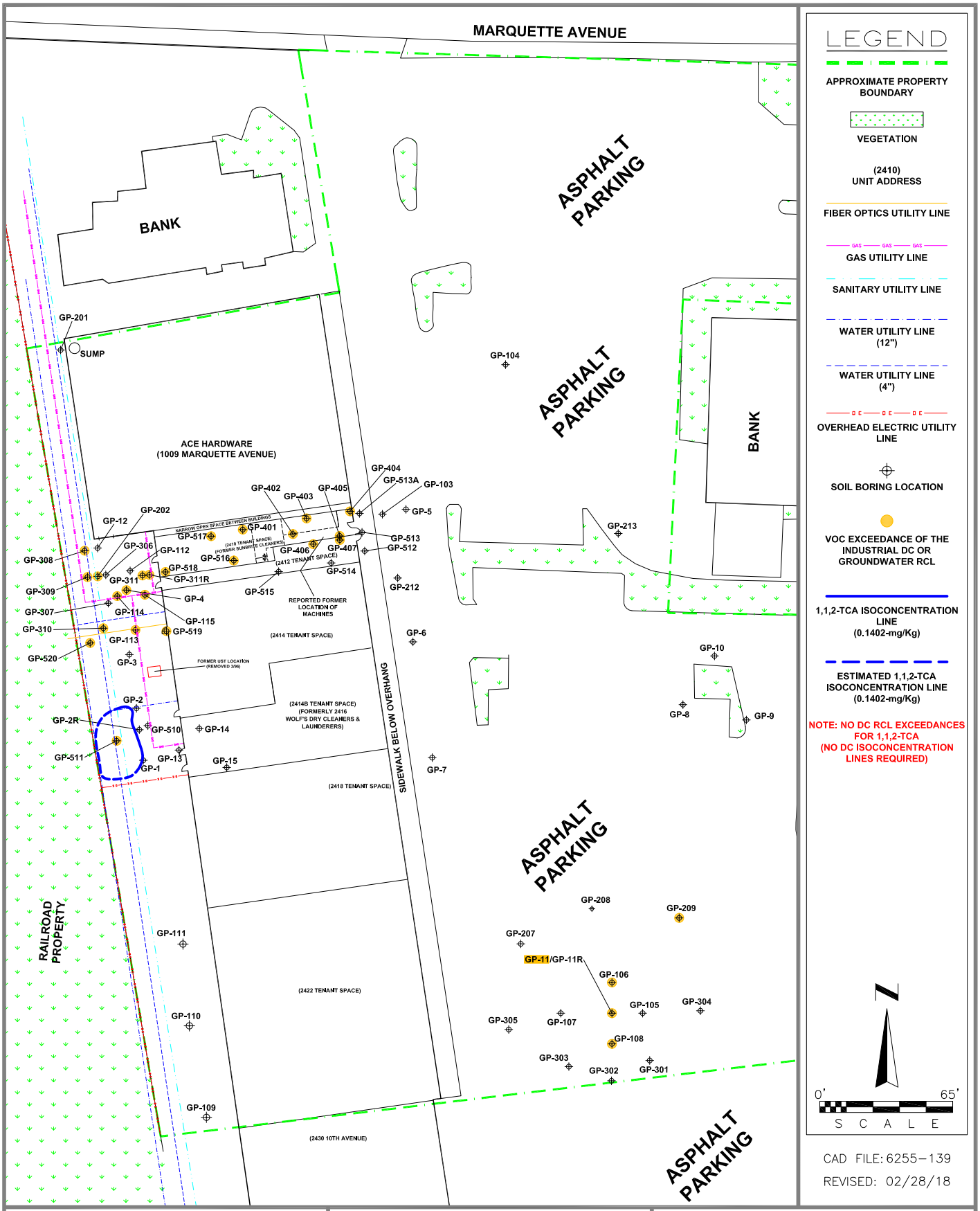
CAD FILE: 6255-132

REVISED: 02/28/18

ENVIRONMENTAL

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

FIGURE B.1.b.2
DETAILED SITE MAP SHOWING SOIL, GROUNDWATER, AND VAPOR SAMPLING LOCATIONS



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
- SOIL BORING LOCATION
- VOC EXCEEDANCE OF THE INDUSTRIAL DC OR GROUNDWATER RCL
- 1,1,2-TCA ISOCONCENTRATION LINE (0.1402-mg/Kg)
- ESTIMATED 1,1,2-TCA ISOCONCENTRATION LINE (0.1402-mg/Kg)

NOTE: NO DC RCL EXCEEDANCES FOR 1,1,2-TCA (NO DC ISOCONCENTRATION LINES REQUIRED)

N

0' 65'

S C A L E

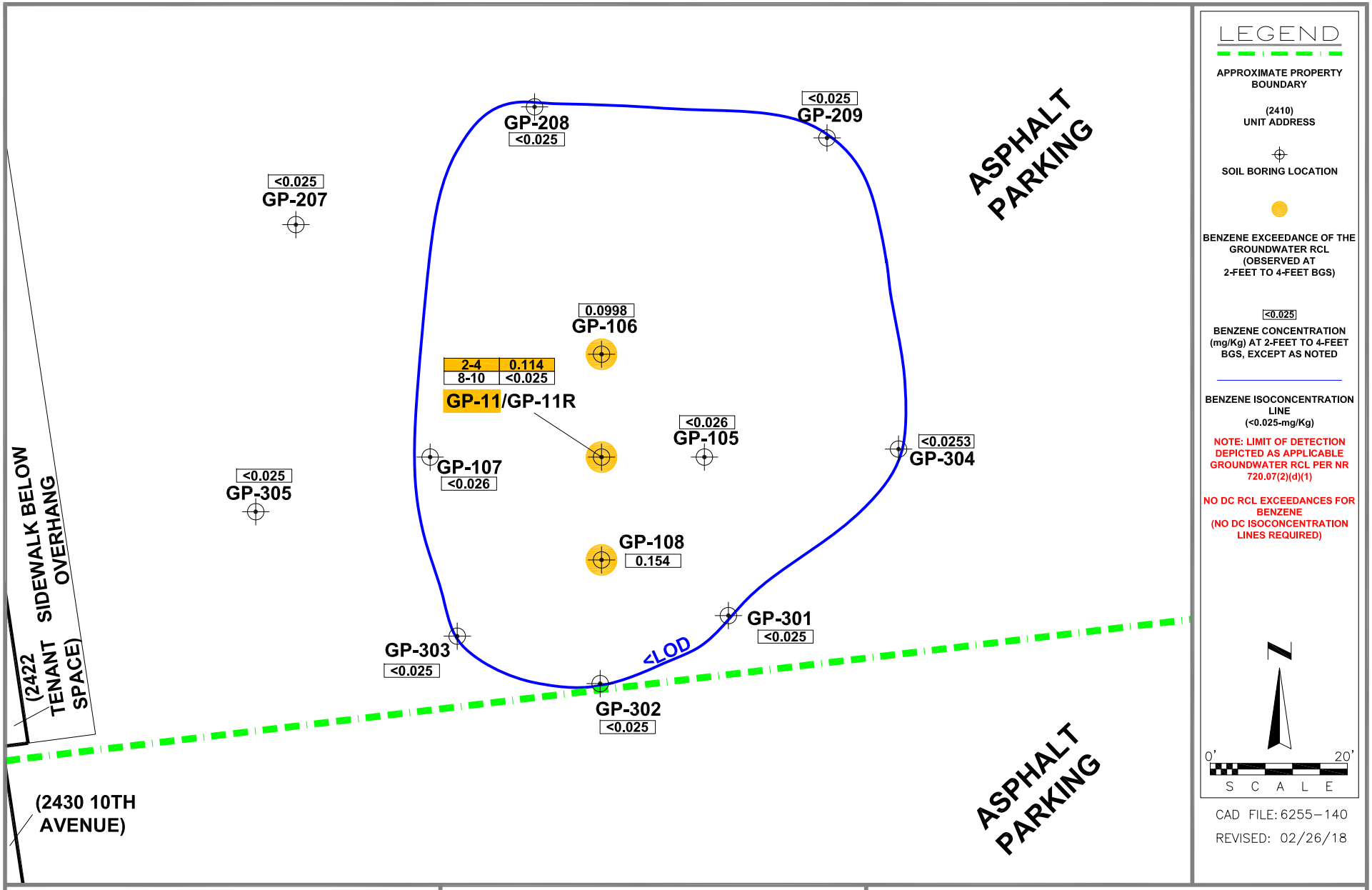
CAD FILE: 6255-139

REVISED: 02/28/18

ENVIRONMENTAL DAI

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

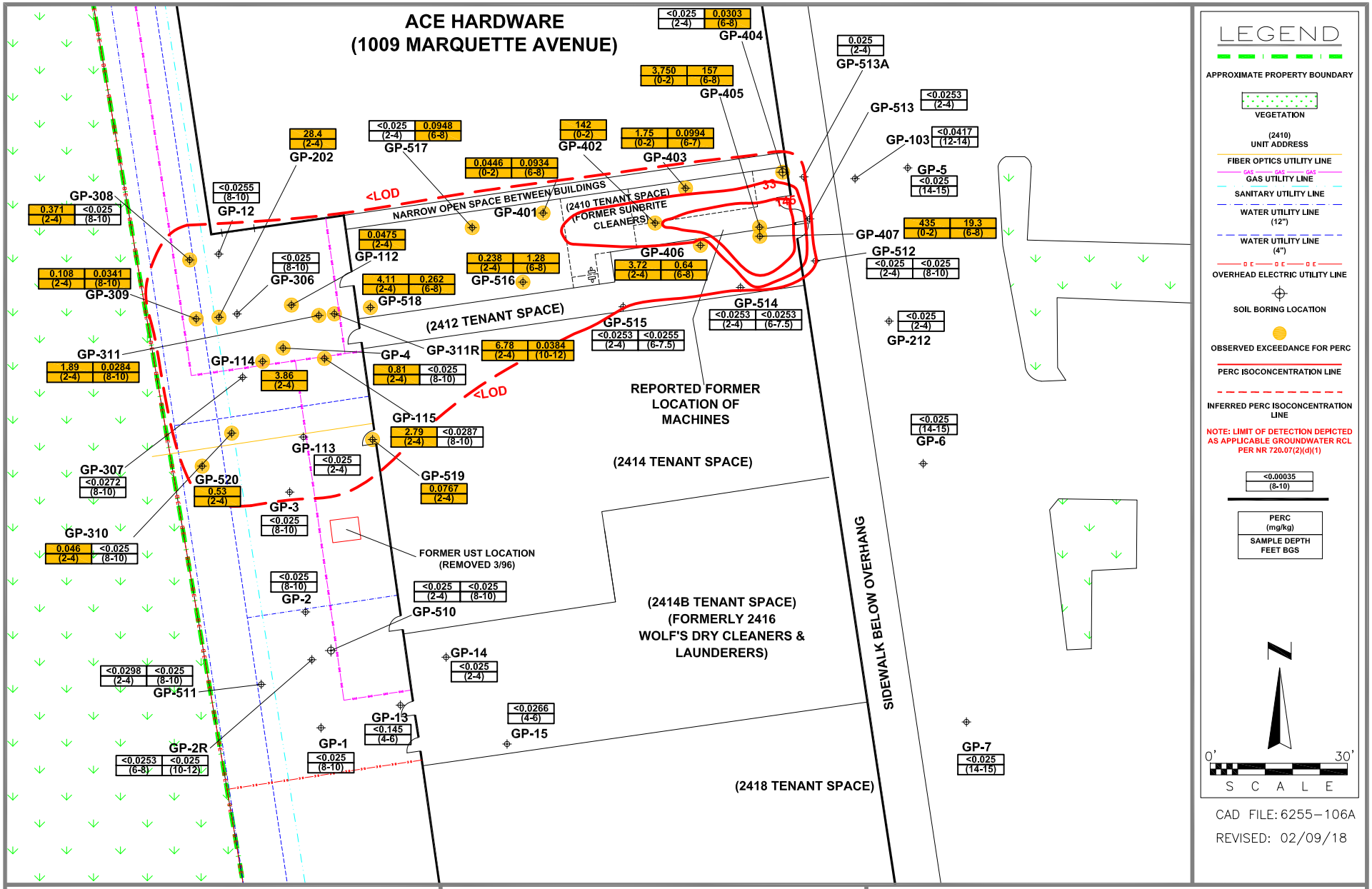
FIGURE B.2.a.1
SOIL CONTAMINATION
(VOCs)



DAI ENVIRONMENTAL

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

FIGURE B.2.a.1.a
SOUTHERN SITE DETAIL SHOWING
EXTENT OF BENZENE SOIL CONTAMINATION
(2-FEET TO 4-FEET BGS)



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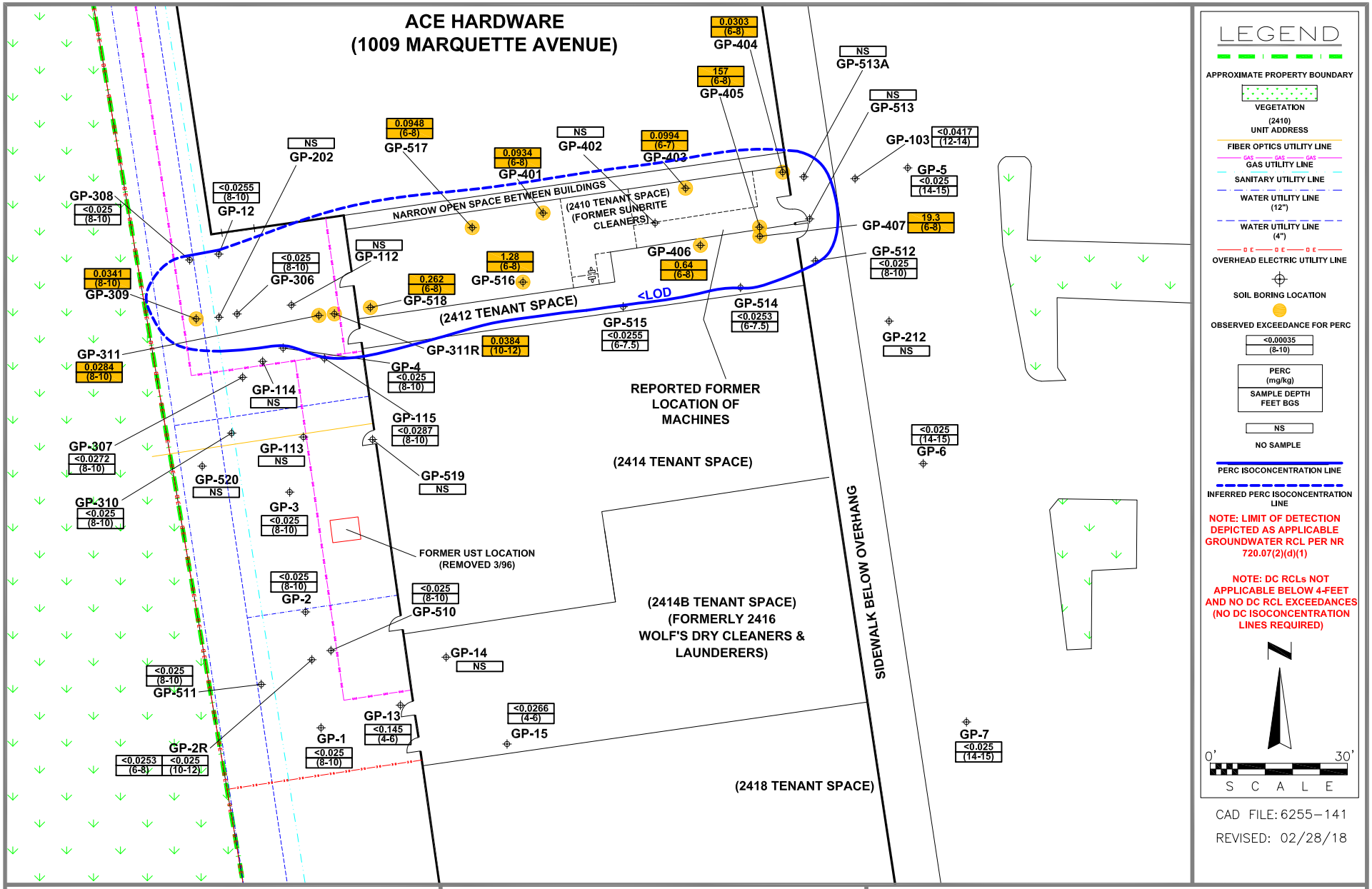
REVISED: 02/09/18

ENVIRONMENTAL DAI

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

FIGURE B.2.a.1.b
FORMER DRYCLEANER DETAIL SHOWING EXTENT OF PERC SOIL CONTAMINATION



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
- SOIL BORING LOCATION
- OBSERVED EXCEEDANCE FOR PERC
- <0.00035 (8-10)
- PERC (mg/kg) / SAMPLE DEPTH FEET BGS
- NS — NO SAMPLE
- PERC ISOCONCENTRATION LINE
- INFERRED PERC ISOCONCENTRATION LINE

NOTE: LIMIT OF DETECTION DEPICTED AS APPLICABLE GROUNDWATER RCL PER NR 720.07(2)(d)(1)

NOTE: DC RCLs NOT APPLICABLE BELOW 4-FEET AND NO DC RCL EXCEEDANCES (NO DC ISOCONCENTRATION LINES REQUIRED)

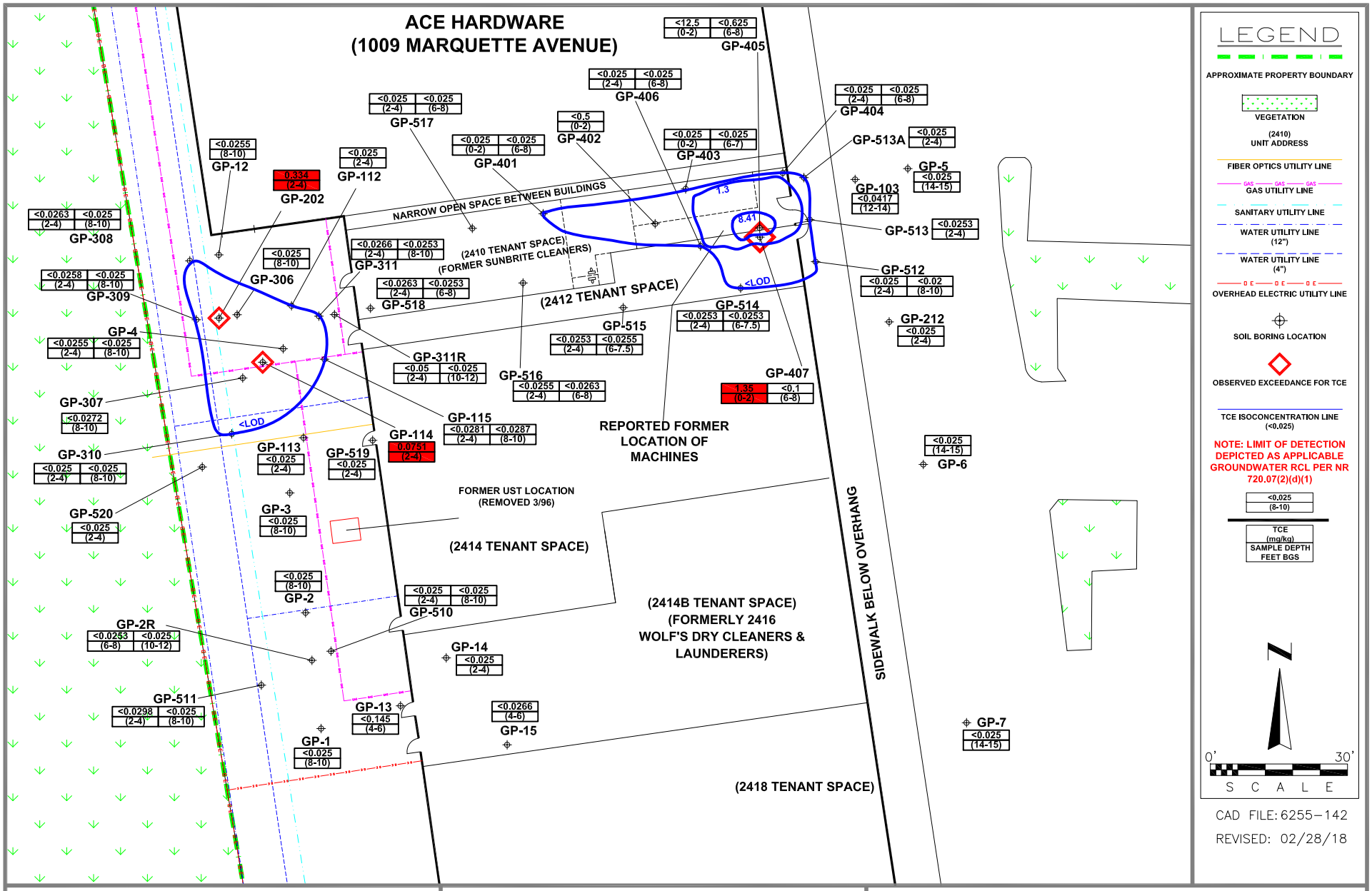
CAD FILE: 6255-141

REVISED: 02/28/18

DAI ENVIRONMENTAL

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

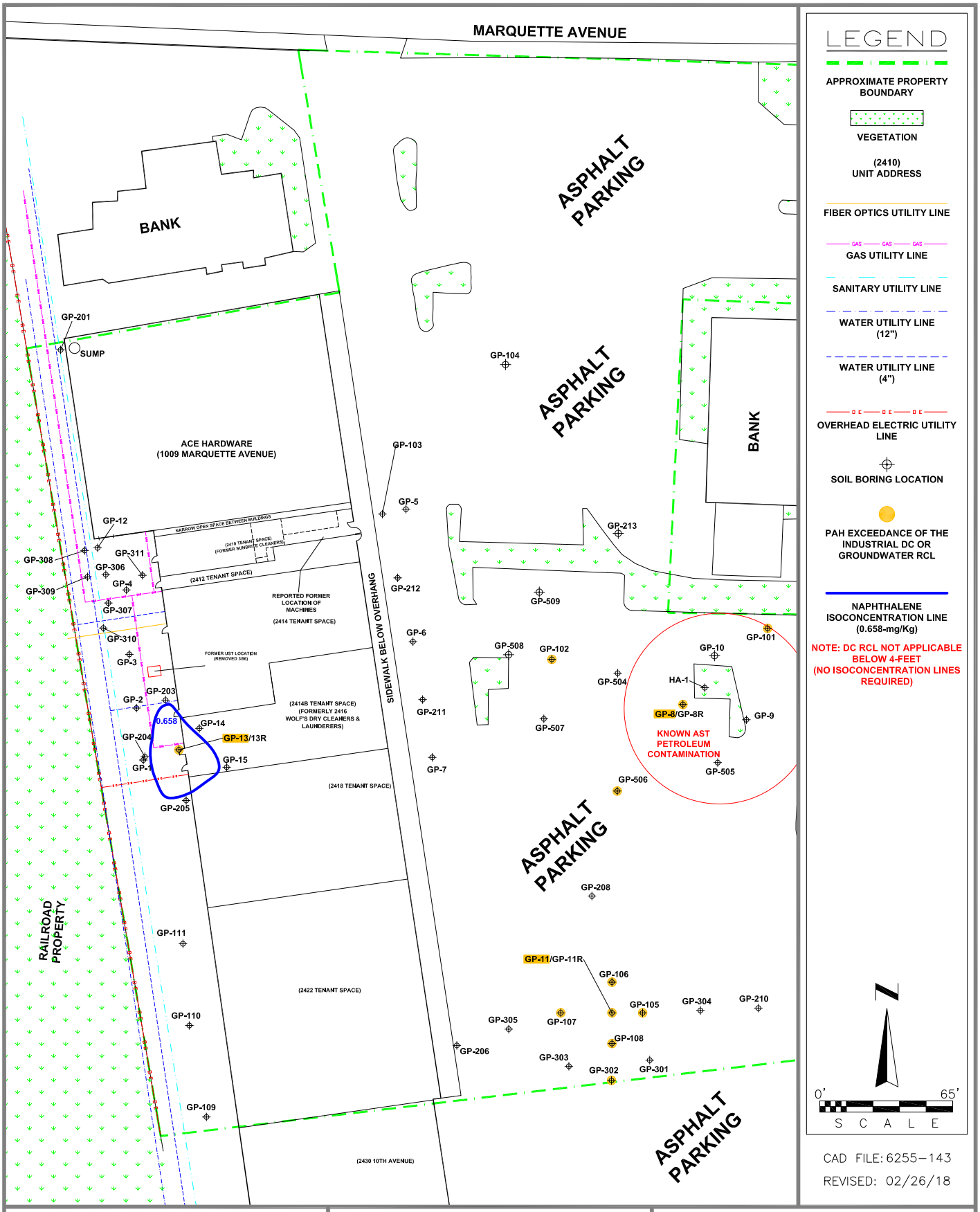
FIGURE B.2.a.1.b.2
EXTENT OF PERC SOIL CONTAMINATION
(> 4-FT BGS)



DAI ENVIRONMENTAL

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

FIGURE B.2.a.1.c
FORMER DRYCLEANER DETAIL SHOWING EXTENT OF TCE SOIL CONTAMINATION



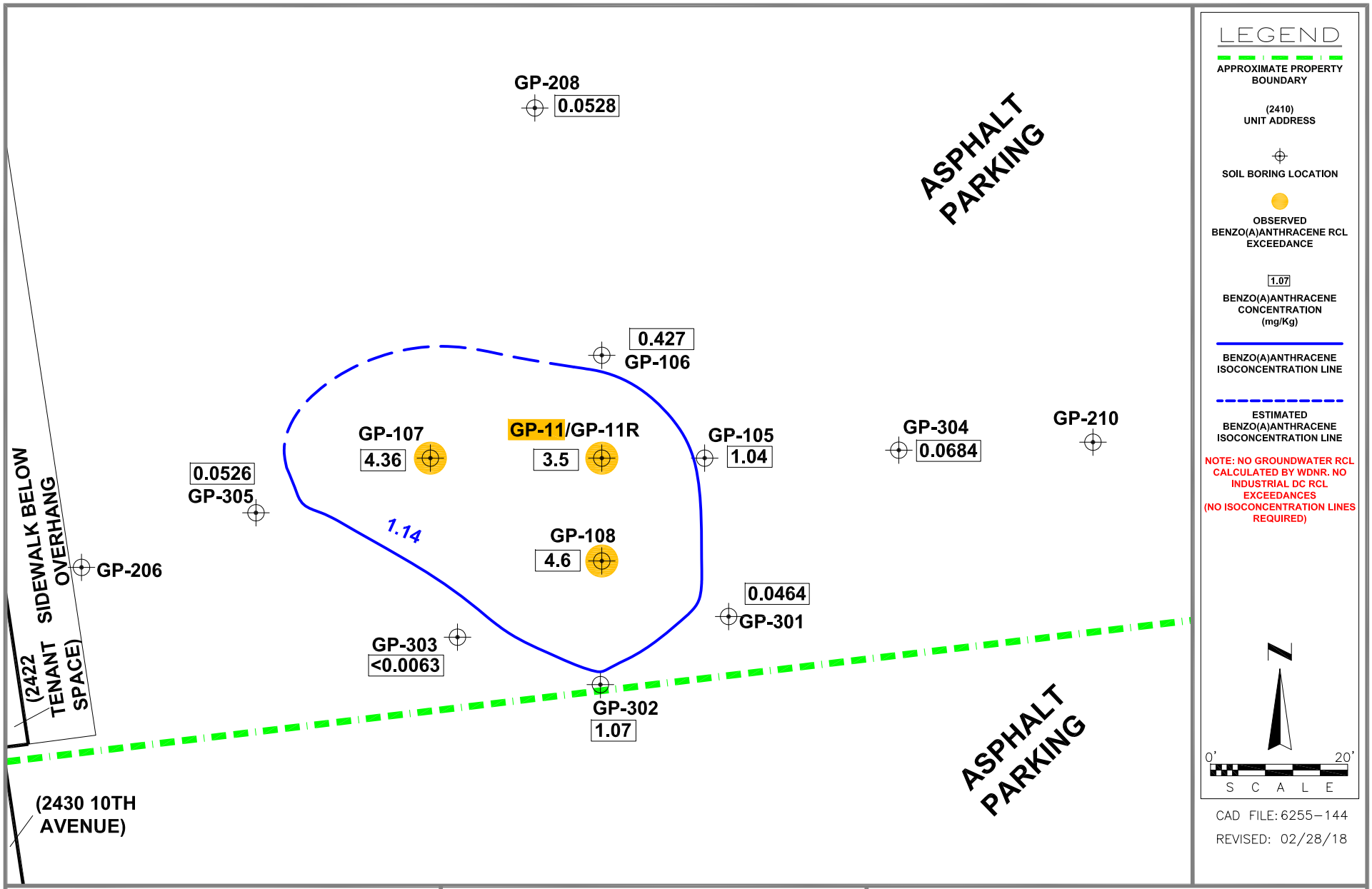
CAD FILE: 6255-143

REVISED: 02/26/18

ENVIRONMENTAL

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

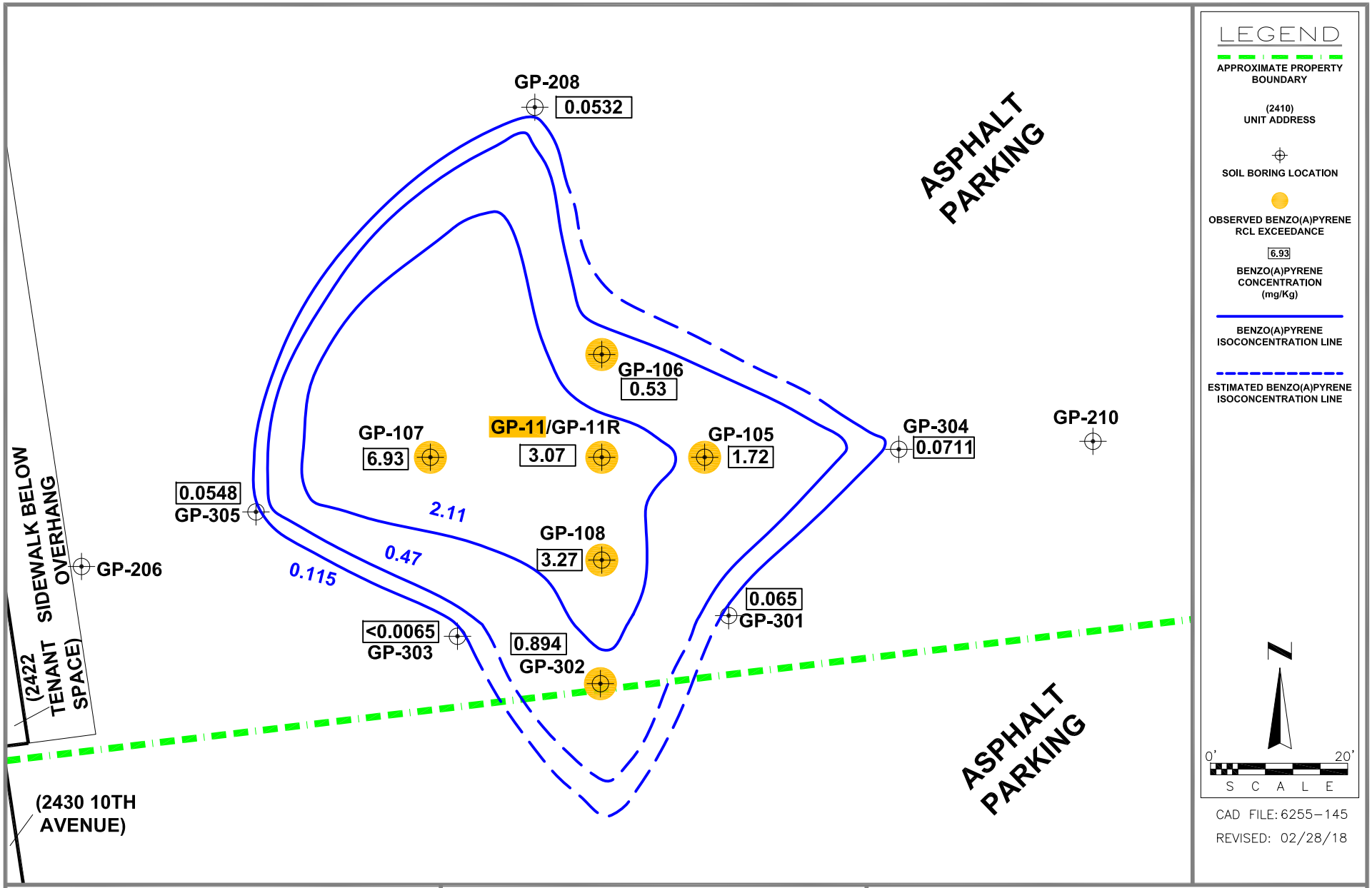
FIGURE B.2.a.2
SOIL CONTAMINATION
(PNAs)



ENVIRONMENTAL DAI

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

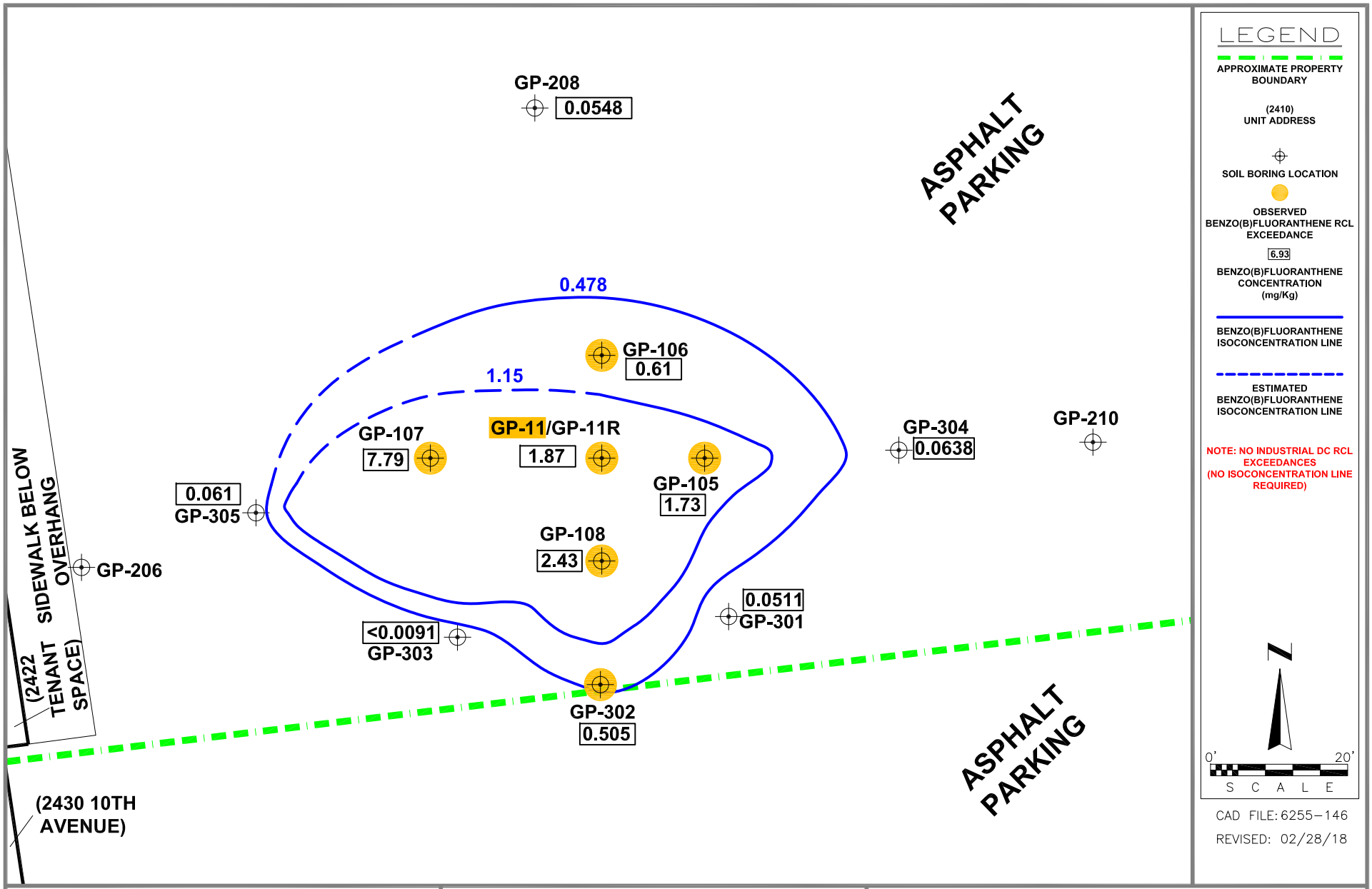
FIGURE B.2.a.2.a1
SOUTHERN SITE DETAIL SHOWING EXTENT OF BENZO(A)ANTHRACENE SOIL CONTAMINATION (2-FEET TO 4-FEET BGS)



ENVIRONMENTAL

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

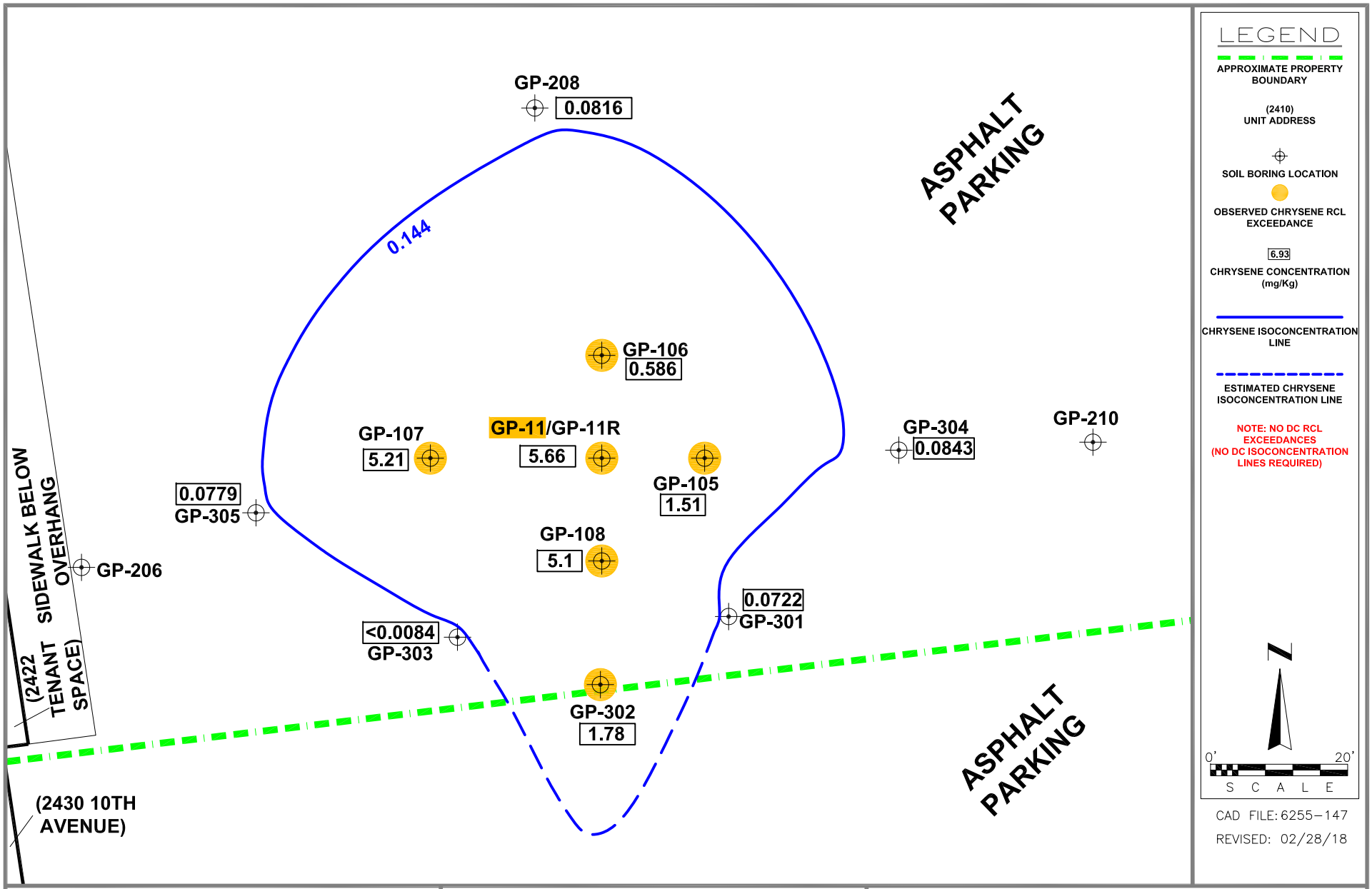
FIGURE B.2.a.2.a2
SOUTHERN SITE DETAIL SHOWING EXTENT OF BENZO(A)PYRENE SOIL CONTAMINATION (2-FEET TO 4-FEET BGS)



ENVIRONMENTAL DAI

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

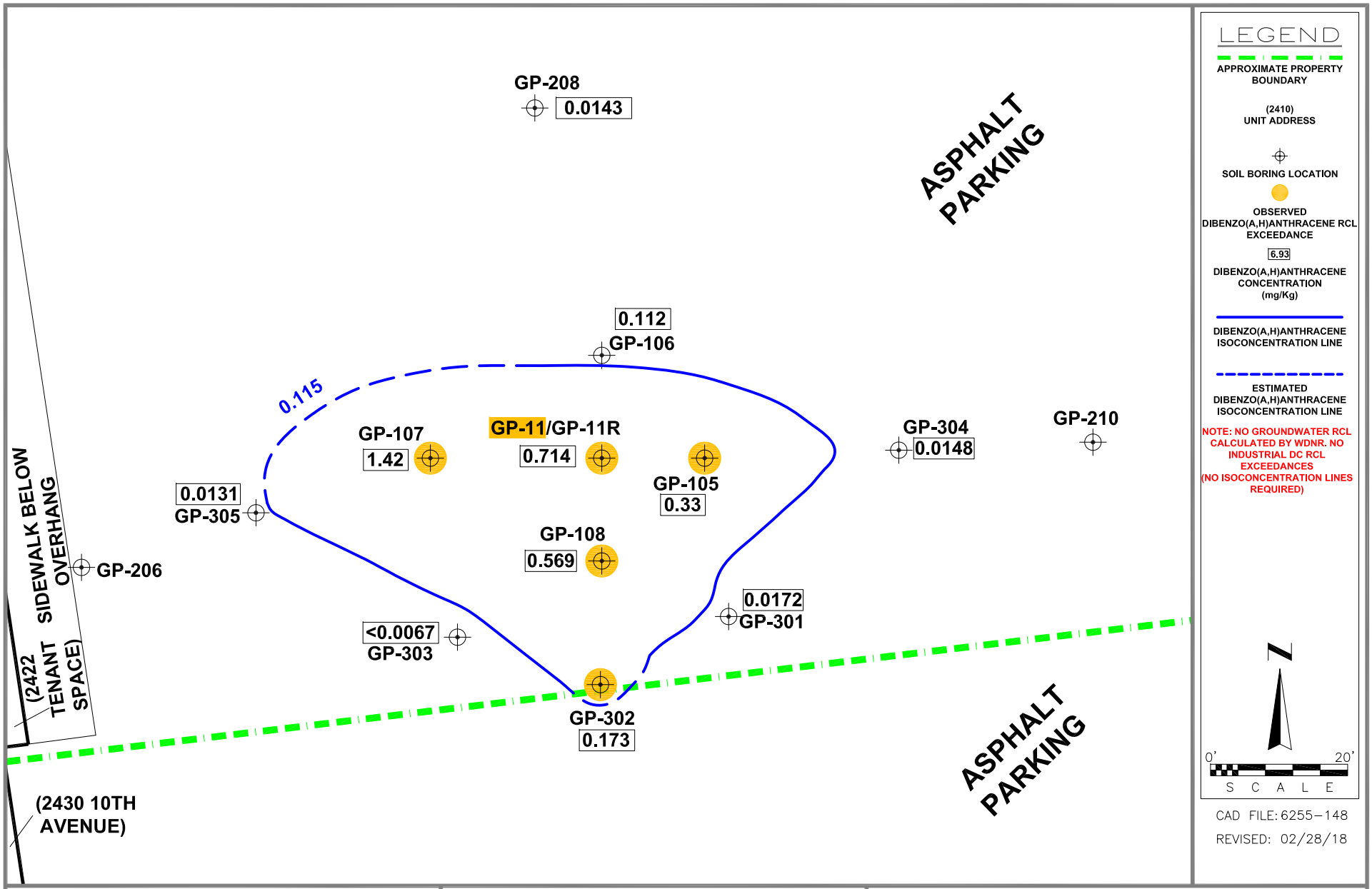
FIGURE B.2.a.2.a3
SOUTHERN SITE DETAIL SHOWING EXTENT
OF BENZO(B)FLUORANTHENE SOIL CONTAMINATION
(2-FEET TO 4-FEET BGS)



ENVIRONMENTAL DAI

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

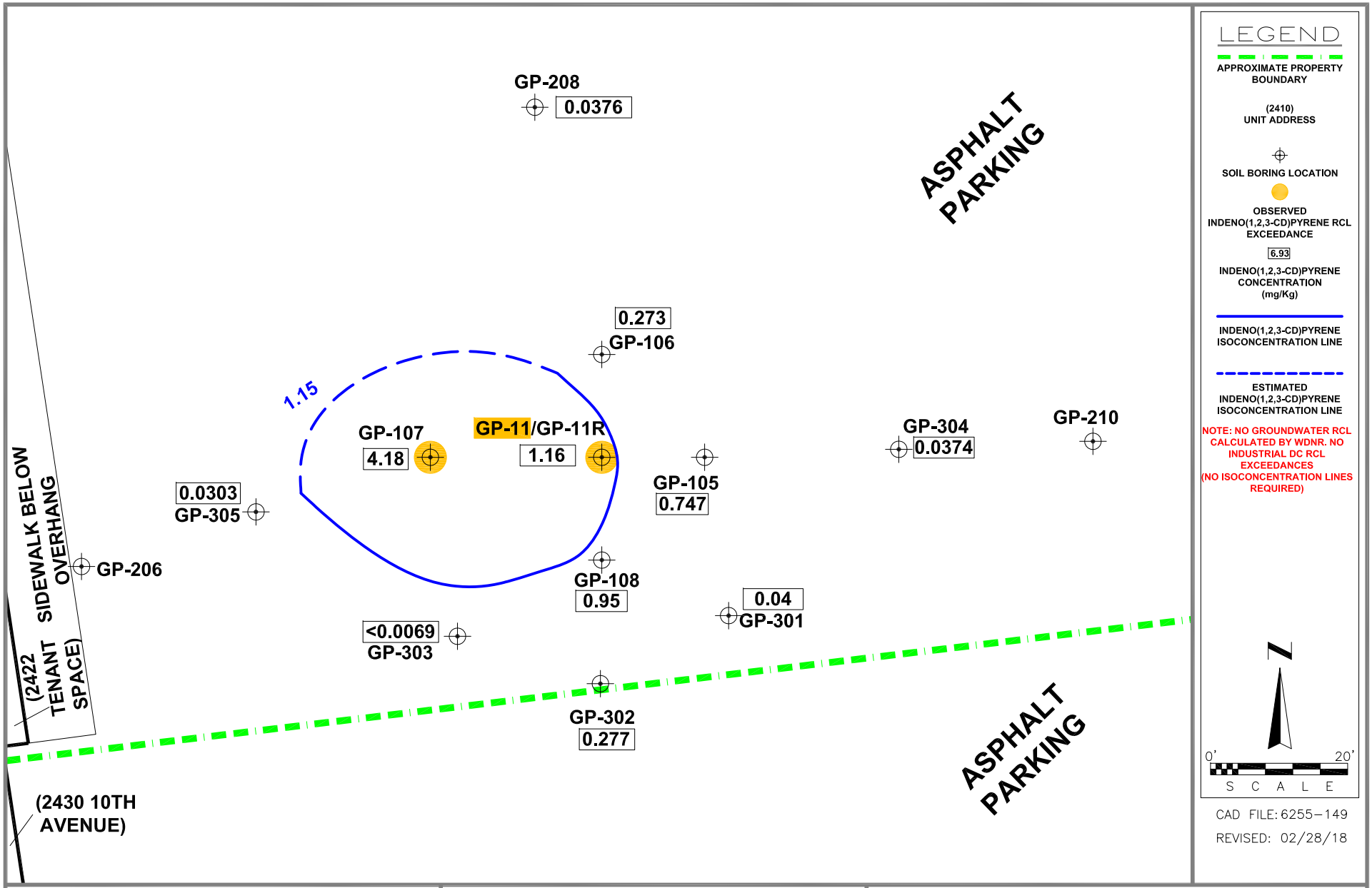
FIGURE B.2.a.2.a4
SOUTHERN SITE DETAIL SHOWING EXTENT
OF CHRYSENE SOIL CONTAMINATION
(2-FEET TO 4-FEET BGS)



ENVIRONMENTAL DAI

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

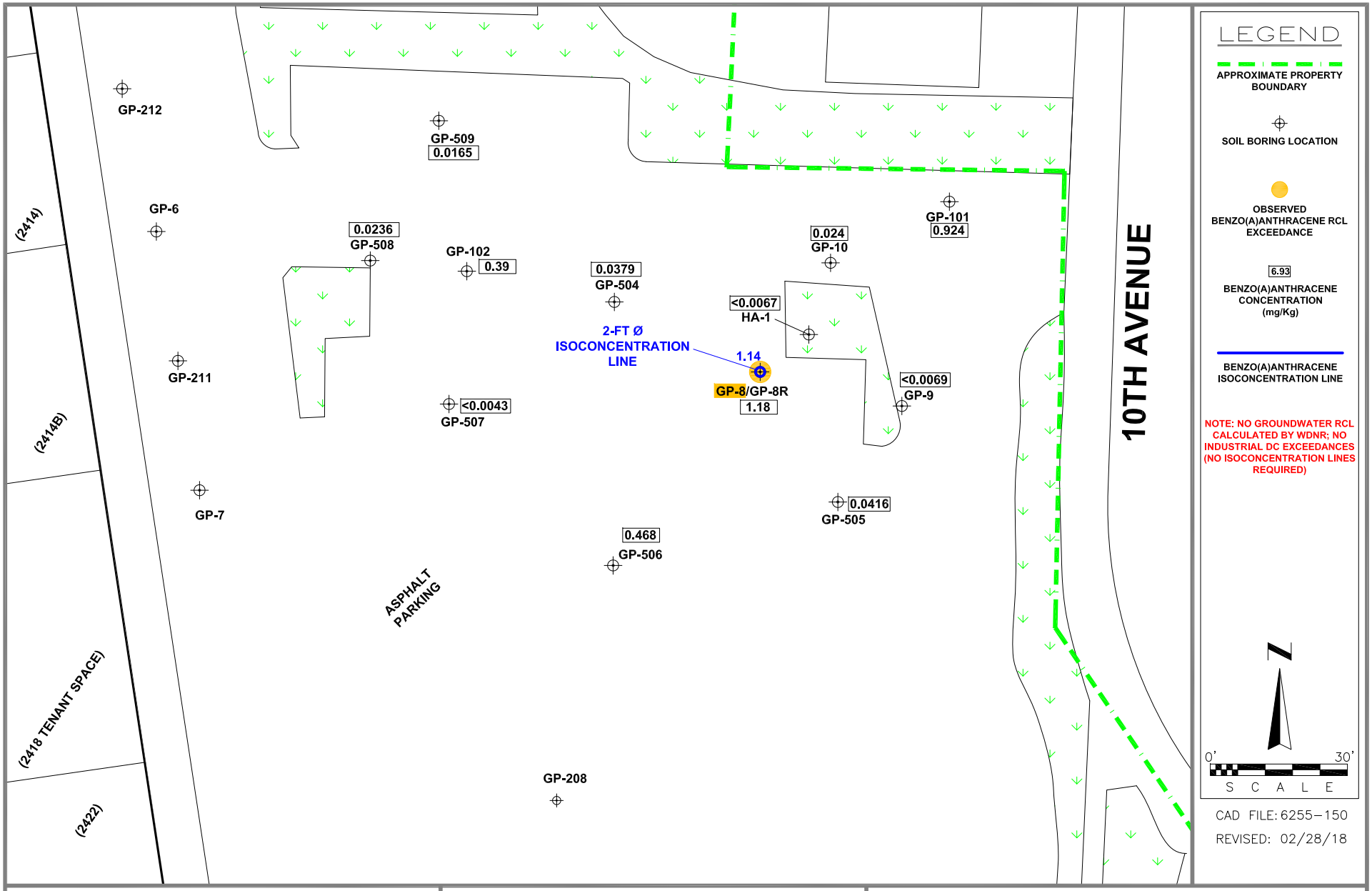
FIGURE B.2.a.2.a5
SOUTHERN SITE DETAIL SHOWING EXTENT OF DIBENZO(A,H)ANTHRACENE SOIL CONTAMINATION (2-FEET TO 4-FEET BGS)



ENVIRONMENTAL

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

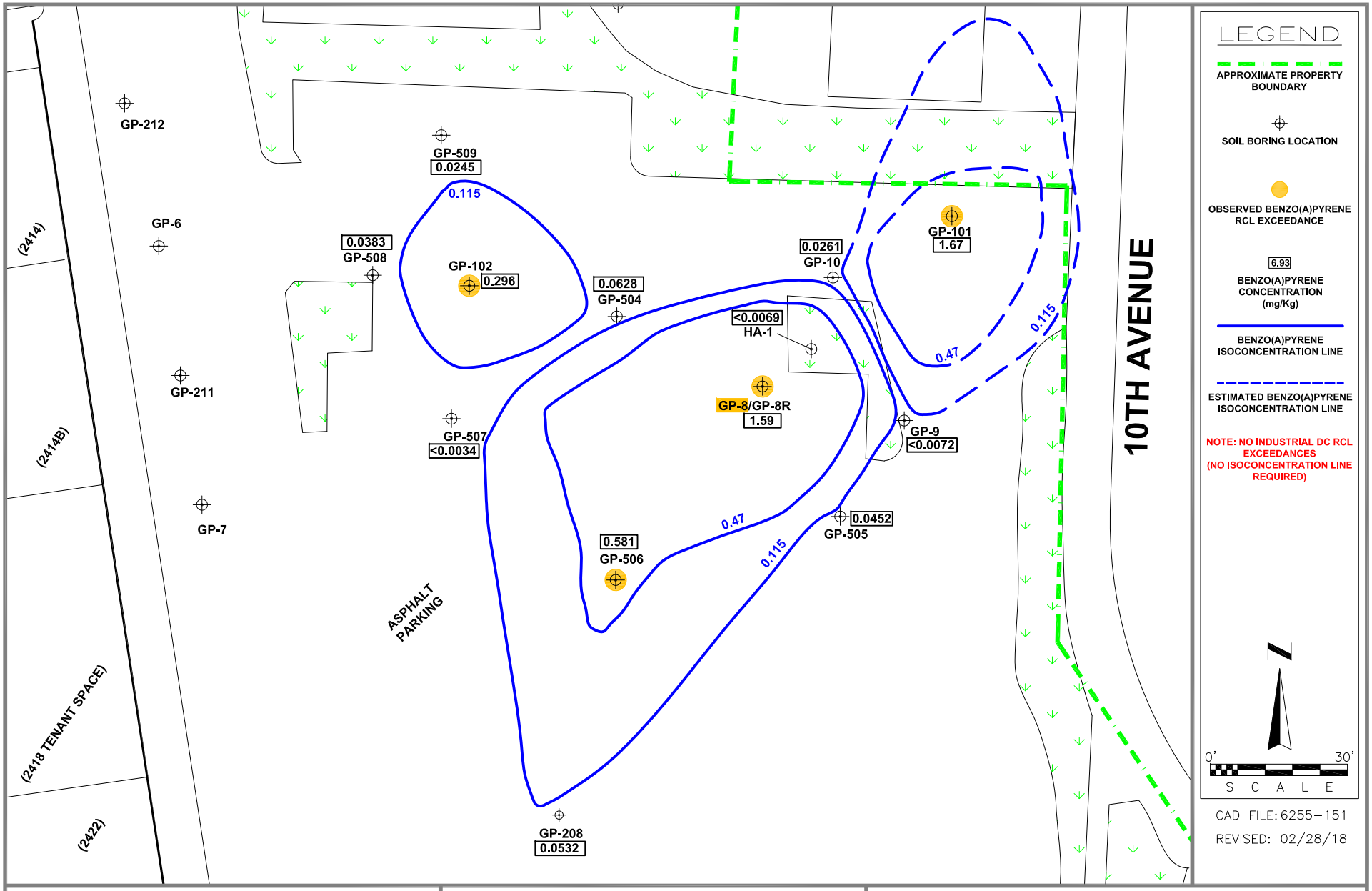
FIGURE B.2.a.2.a6
SOUTHERN SITE DETAIL SHOWING EXTENT
OF INDENO(1,2,3-CD)PYRENE SOIL CONTAMINATION
(2-FEET TO 4-FEET BGS)



ENVIRONMENTAL DAI

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

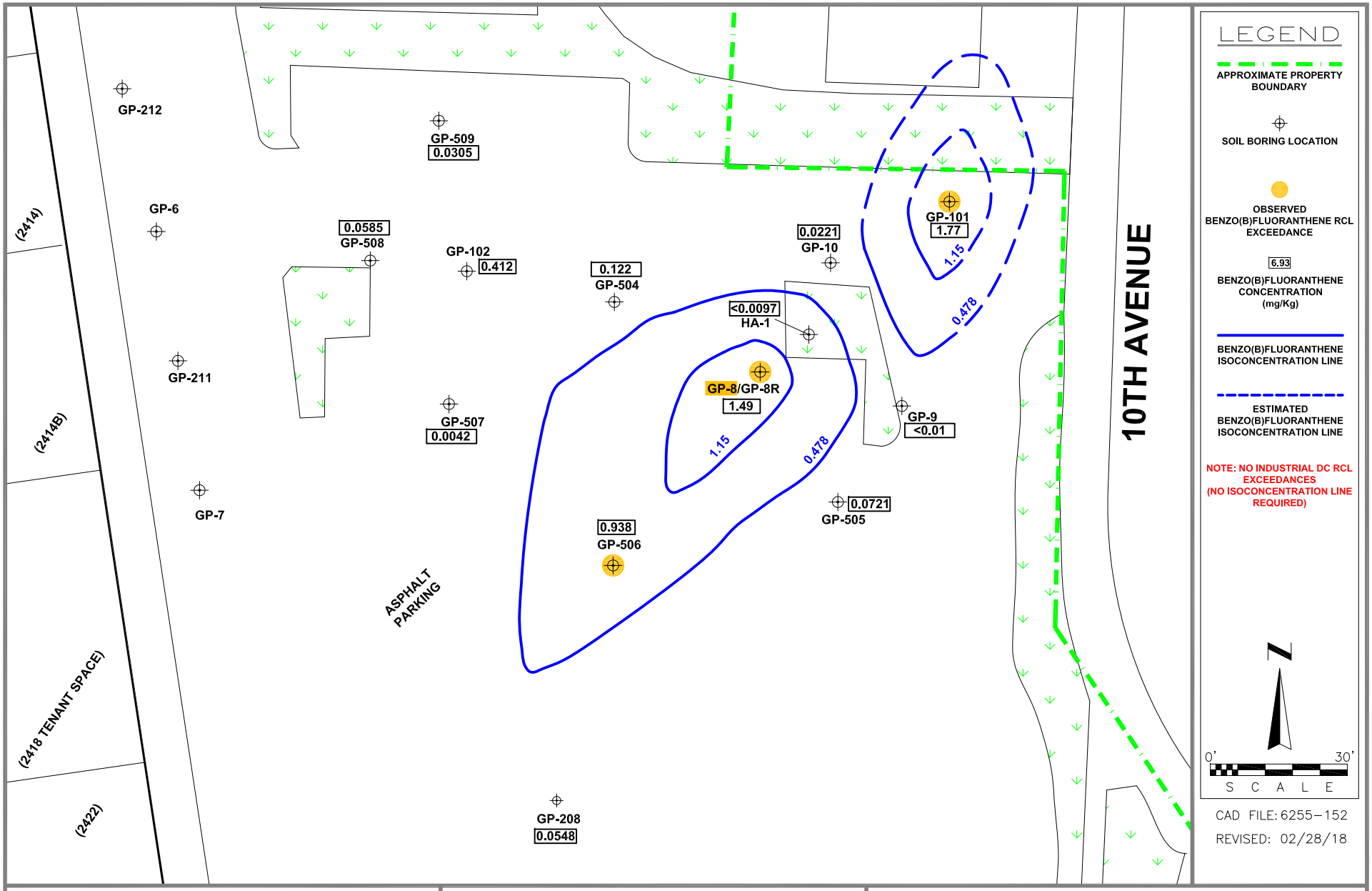
FIGURE B.2.a.2.b1
FORMER AST AREA DETAIL SHOWING EXTENT OF BENZO(A)ANTHRACENE SOIL CONTAMINATION (2-FEET TO 4-FEET BGS)



ENVIRONMENTAL DAI

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

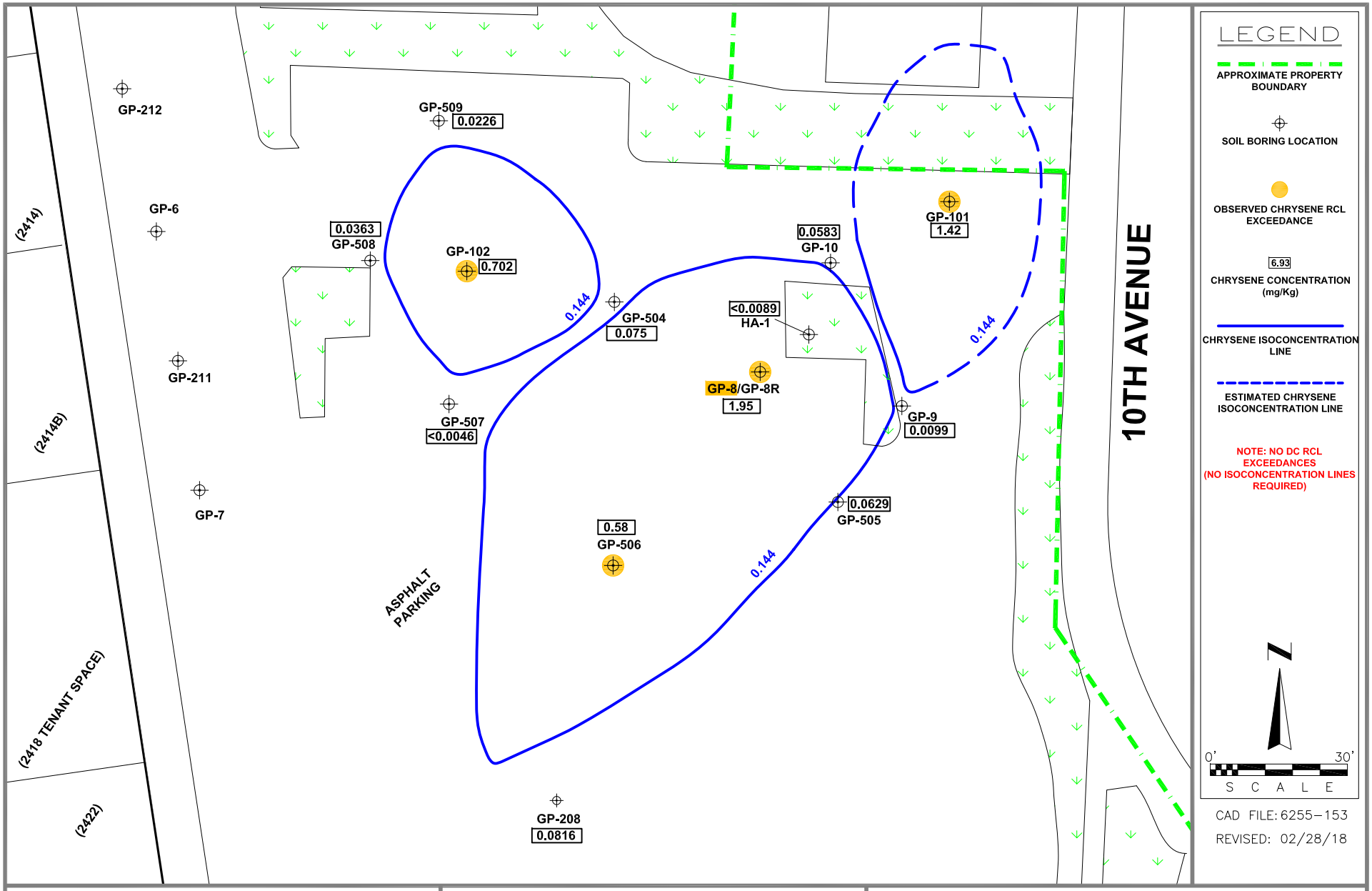
FIGURE B.2.a.2.b2
FORMER AST AREA DETAIL SHOWING EXTENT OF BENZO(A)PYRENE SOIL CONTAMINATION (2-FEET TO 4-FEET BGS)



ENVIRONMENTAL DAI

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

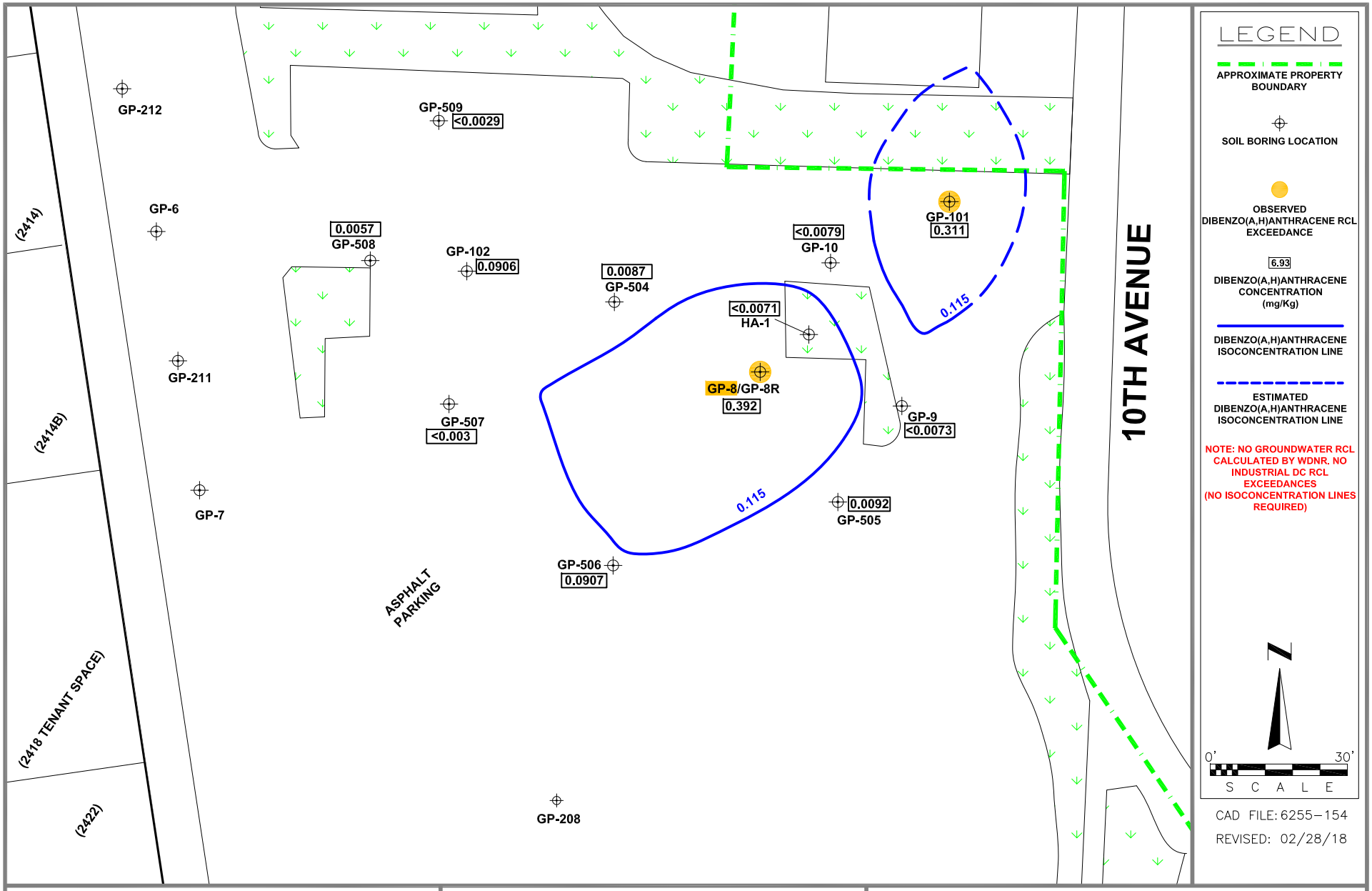
FIGURE B.2.a.2.b3
FORMER AST AREA DETAIL SHOWING EXTENT OF BENZO(B)FLUORANTHENE SOIL CONTAMINATION (2-FEET TO 4-FEET BGS)



DAI ENVIRONMENTAL

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

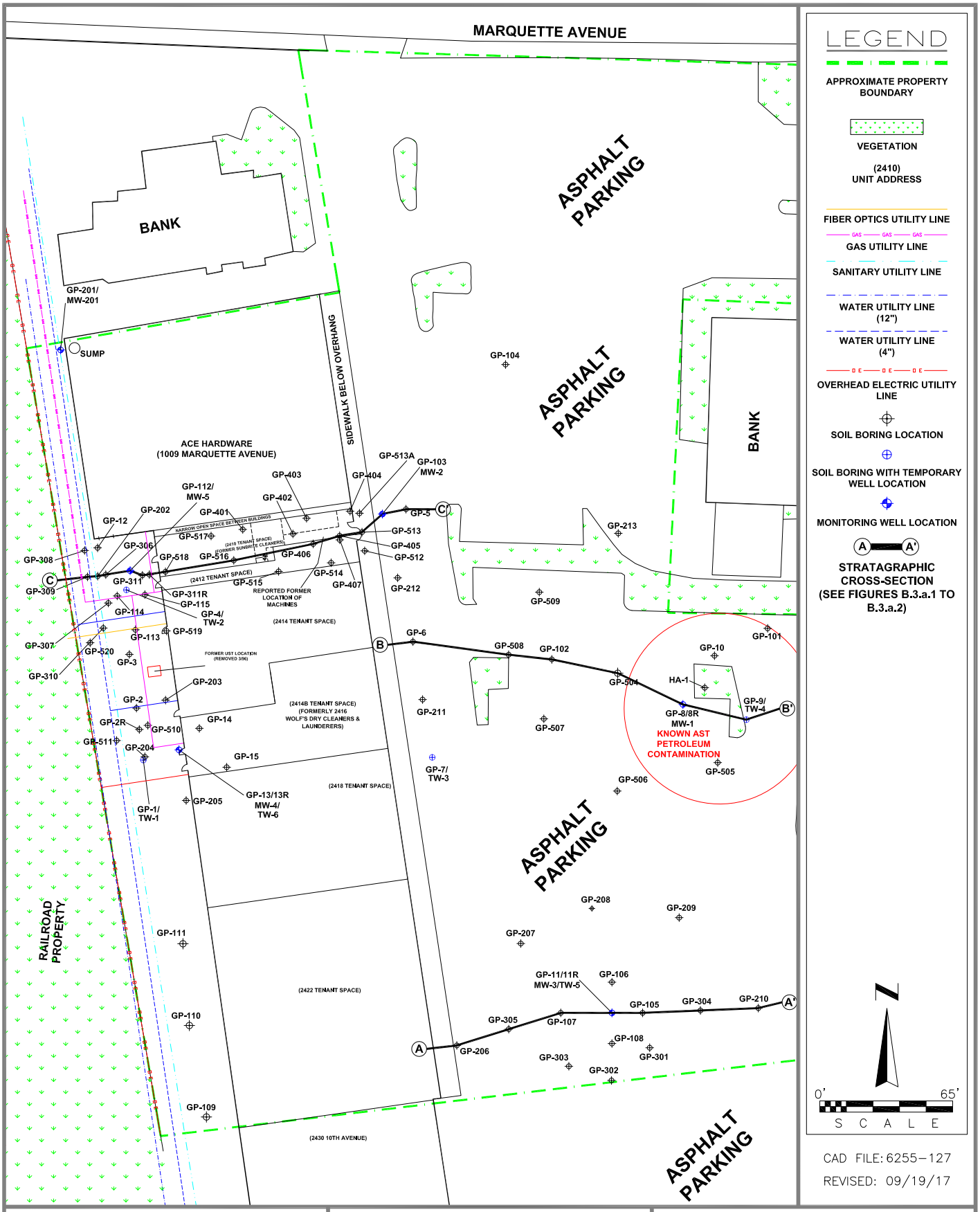
FIGURE B.2.a.2.b4
FORMER AST AREA DETAIL SHOWING EXTENT OF CHRYSENE SOIL CONTAMINATION (2-FEET TO 4-FEET BGS)



ENVIRONMENTAL DAI

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

FIGURE B.2.a.2.b5
FORMER AST AREA DETAIL SHOWING EXTENT OF DIBENZO(A,H)ANTHRACENE SOIL CONTAMINATION (2-FEET TO 4-FEET BGS)



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

SOIL BORING LOCATION

SOIL BORING WITH TEMPORARY WELL LOCATION

MONITORING WELL LOCATION

A — A'

STRATAGRAPHIC CROSS-SECTION (SEE FIGURES B.3.a.1 TO B.3.a.2)

N

0' 65'

S C A L E

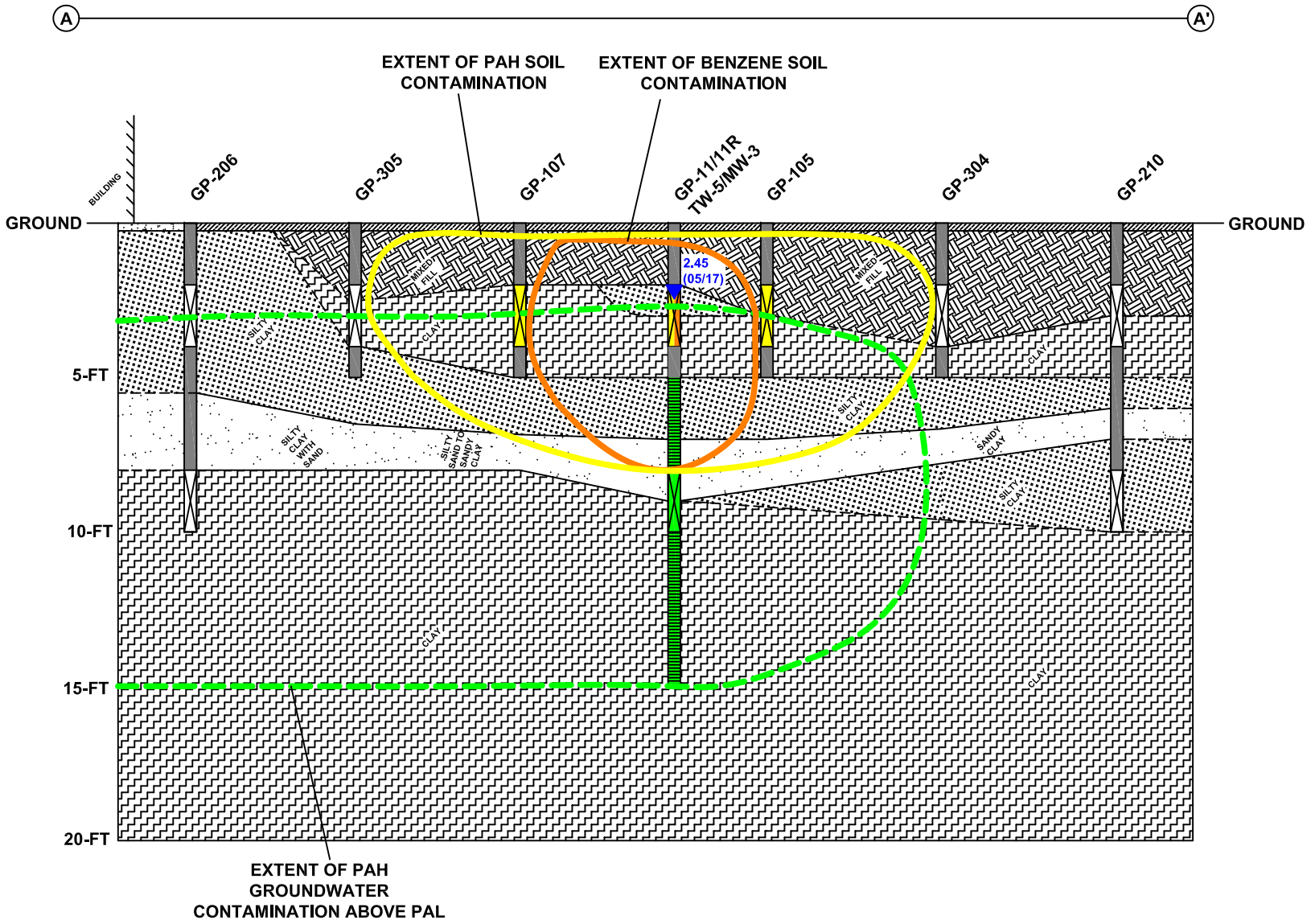
CAD FILE: 6255-127

REVISED: 09/19/17

ENVIRONMENTAL DAI

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

FIGURE B.3.a
CROSS-SECTION OVERVIEW



LEGEND

- SOIL BORING
- WELL RISER AND WELL SCREEN
- SOIL SAMPLE
- OBSERVED GROUNDWATER DEPTH IN WELL (MOST RECENT MEASUREMENT)
- ASPHALT
- CONCRETE
- MIXED SOIL/FILL
- CLAY
- SILTY CLAY
- SILTY CLAY WITH SAND TO SANDY CLAY
- PAH SOIL RCL EXCEEDANCE
- BENZENE SOIL RCL EXCEEDANCE
- PAH GROUNDWATER EXCEEDANCE (PAL AND ENFORCEMENT STANDARDS)

0 5'
VERTICAL

0 25'
HORIZONTAL

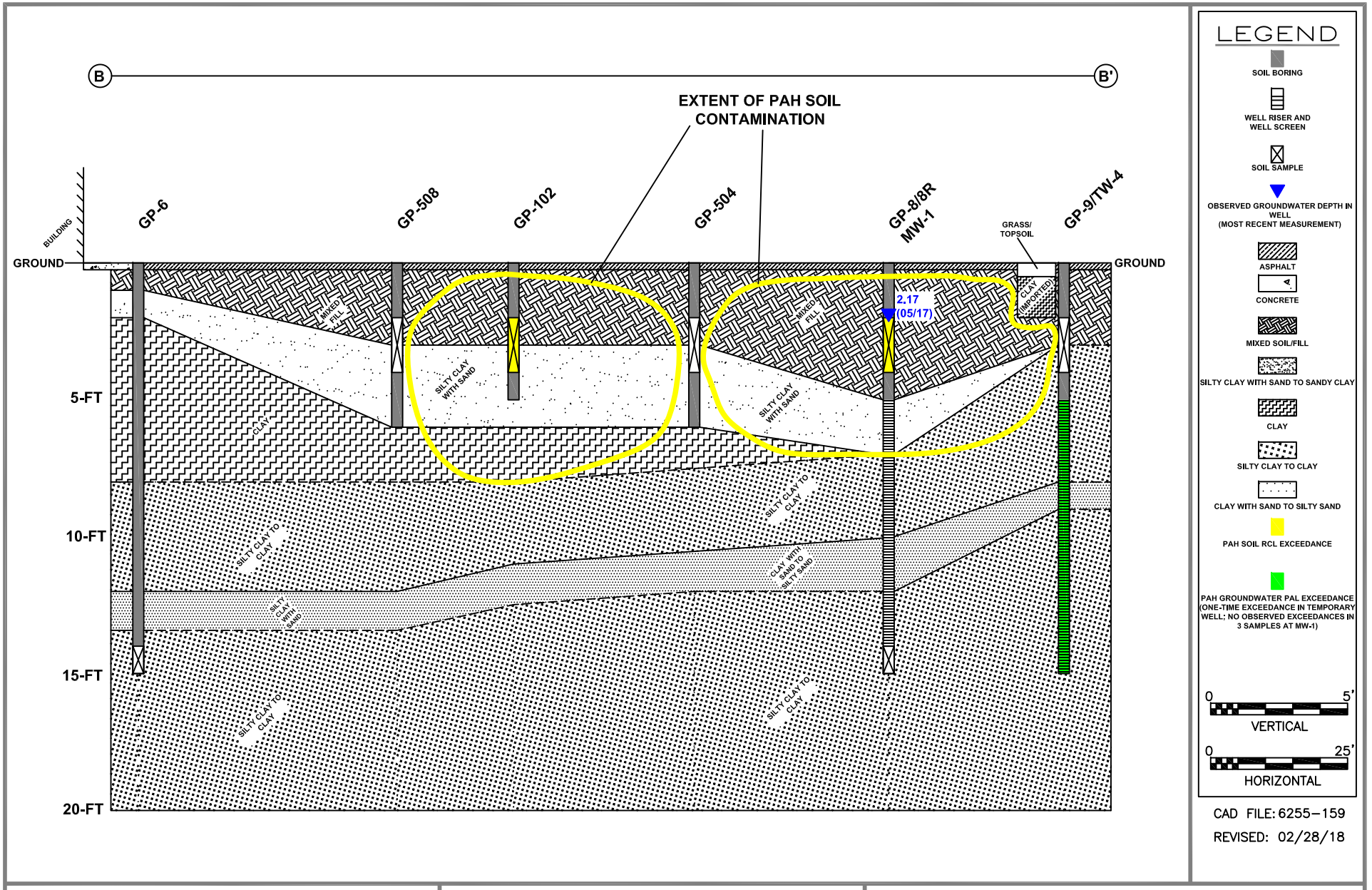
CAD FILE: 6255-158

REVISED: 02/28/18

DAI ENVIRONMENTAL

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

FIGURE B.3.a.1
GEOLOGICAL CROSS-SECTION FIGURE
(A-A')



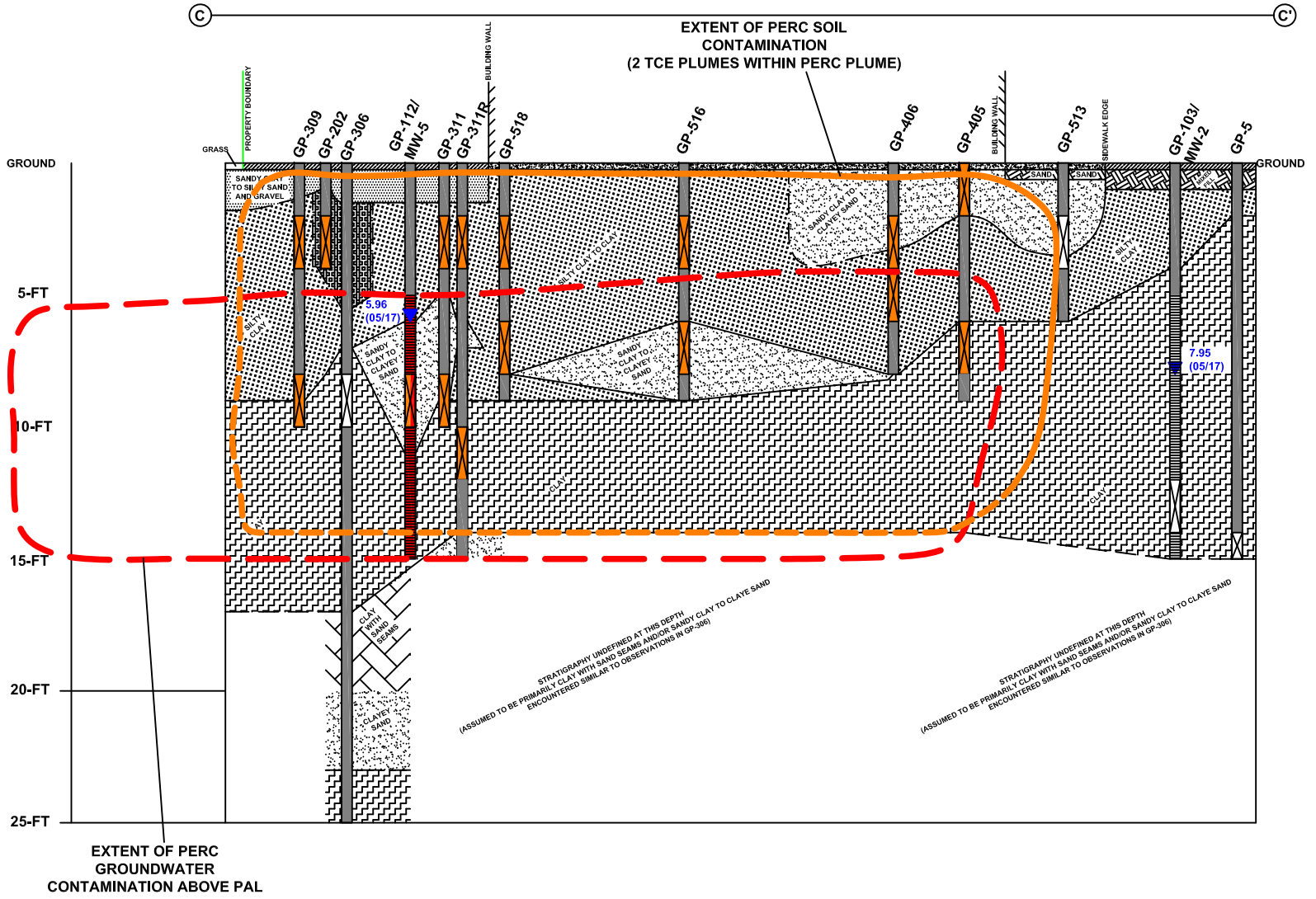
CAD FILE: 6255–159

REVISED: 02/28/18

ENVIRONMENTAL DAI

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

FIGURE B.3.a.2
GEOLOGICAL CROSS-SECTION FIGURE
(B-B')



LEGEND

- SOIL BORING
- WELL RISER AND WELL SCREEN
- SOIL SAMPLE
- OBSERVED GROUNDWATER DEPTH IN WELL (MOST RECENT MEASUREMENT)
- ASPHALT
- CONCRETE
- MIXED SOIL/FILL
- CLAY WITH SAND TO SILTY SAND
- SILTY CLAY TO CLAY
- GRAVELLY SILT
- CLAYEY SAND TO SANDY CLAY
- CLAY
- CLAY WITH SAND SEAMS
- TETRACHLOROETHENE SOIL RCL EXCEEDANCE (TRICHLOROETHENE IN GP-102 ALSO)
- OBSERVED TETRACHLOROETHENE GROUNDWATER ENFORCEMENT STANDARD EXCEEDANCE

0 5'
VERTICAL

0 30'
HORIZONTAL

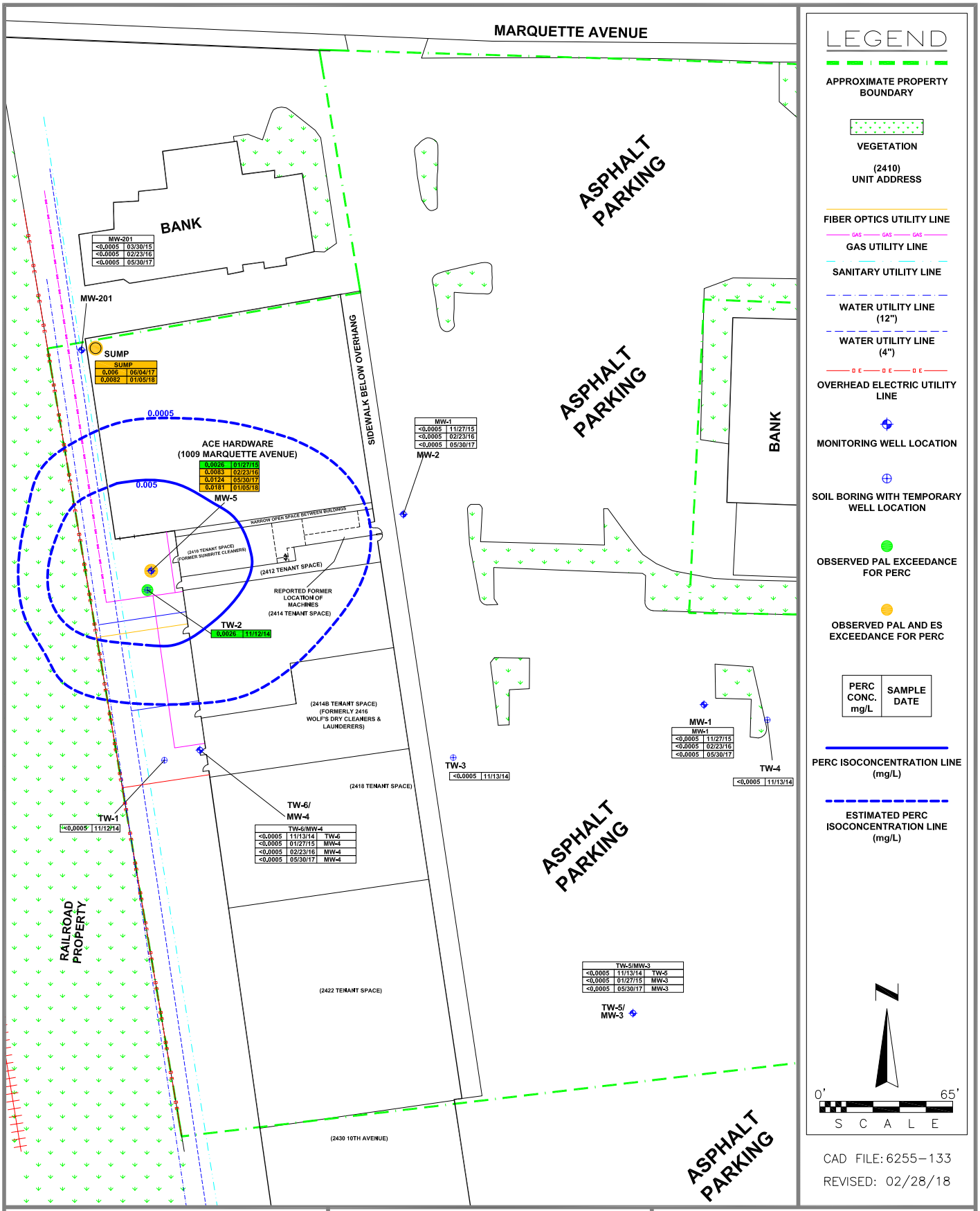
CAD FILE: 6255-160

REVISED: 02/28/18

DAI ENVIRONMENTAL

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

FIGURE B.3.a.3
GEOLOGICAL CROSS-SECTION FIGURE
(C-C')



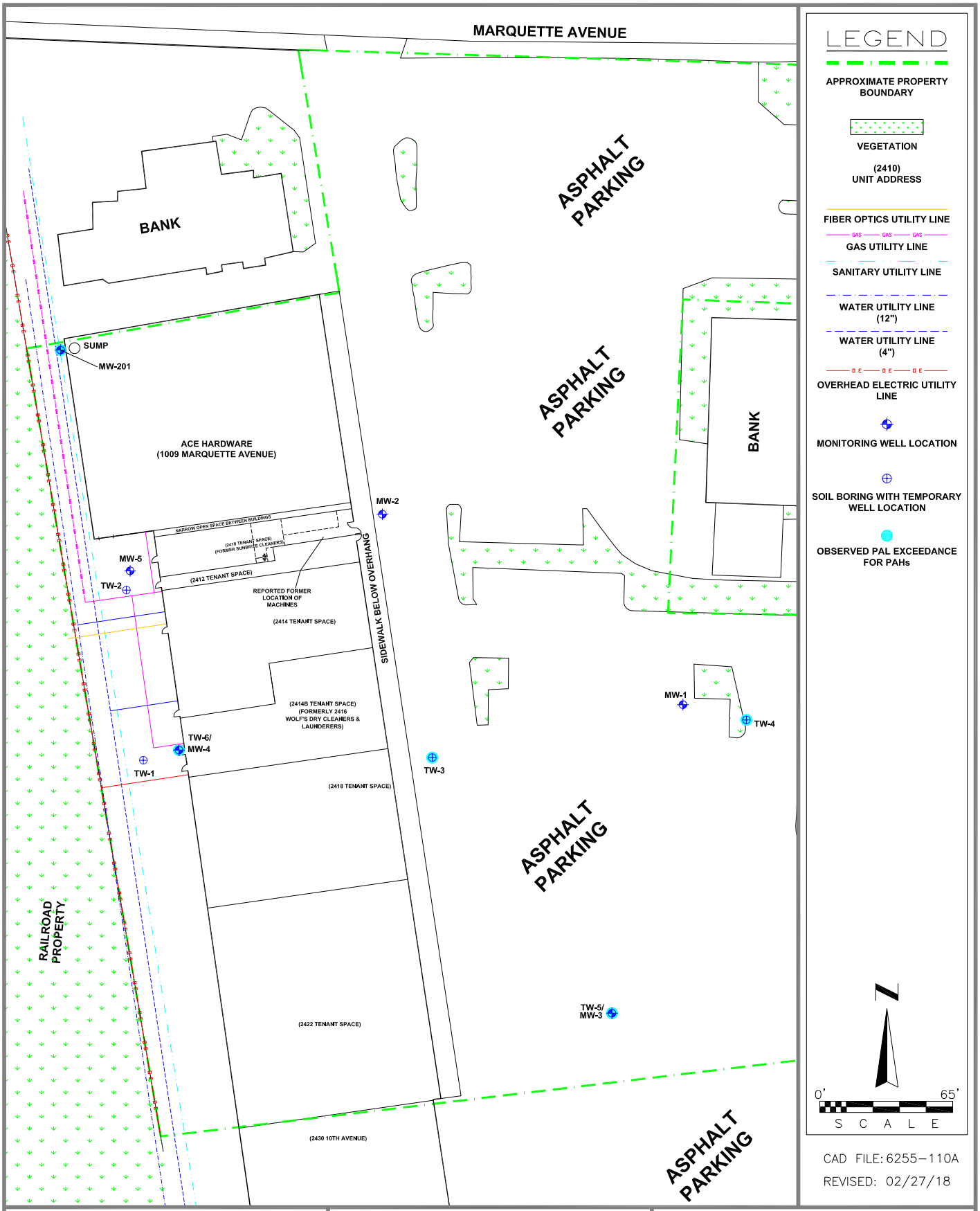
CAD FILE: 6255-133

REVISED: 02/28/18

ENVIRONMENTAL

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

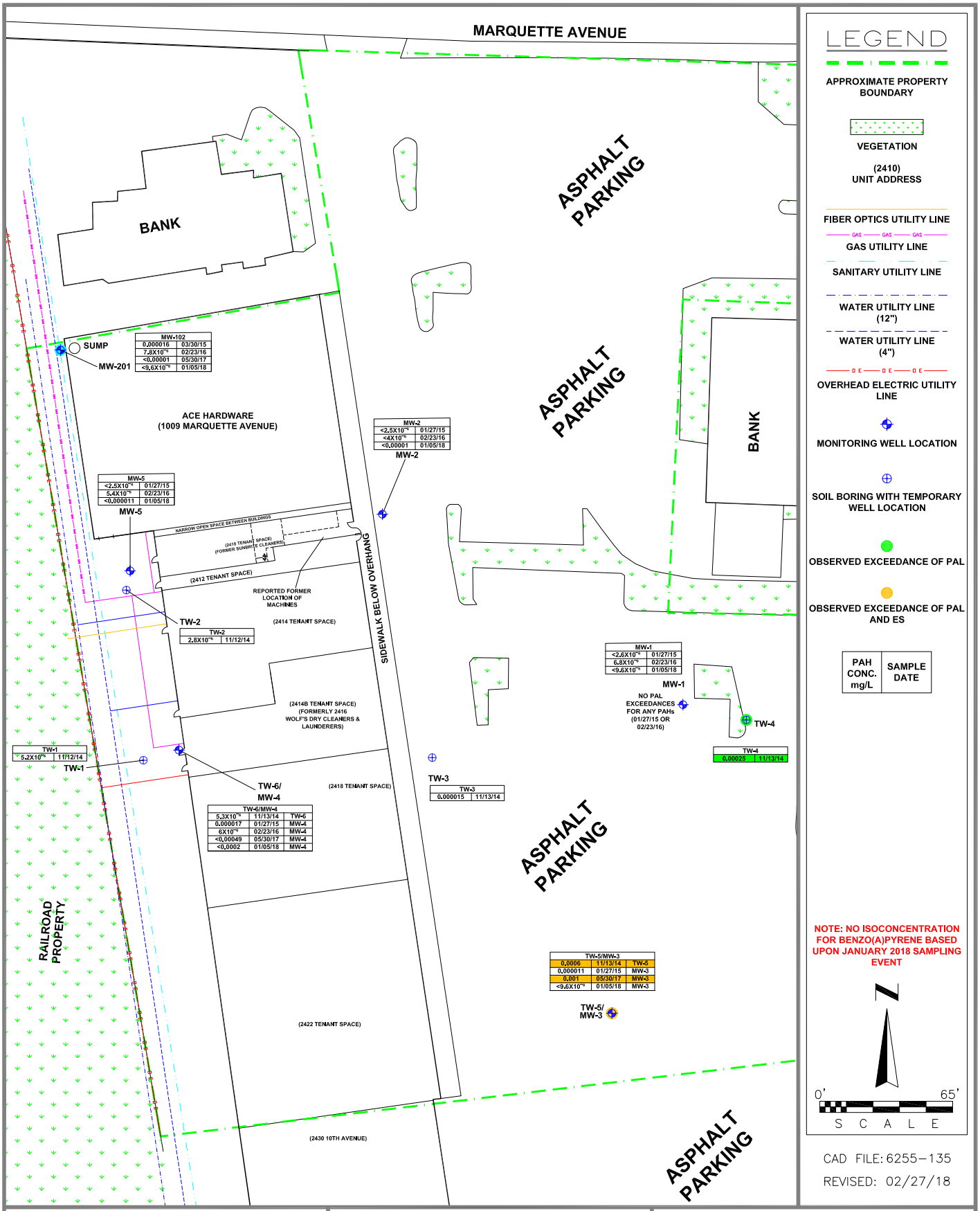
FIGURE B.3.b.1
GROUNDWATER ISOCONCENTRATION (PERC)



DAI ENVIRONMENTAL

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

FIGURE B.3.b.2
GROUNDWATER ISOCONCENTRATION (PNAs)



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

NOTE: NO ISOCONCENTRATION FOR BENZO(A)PYRENE BASED UPON JANUARY 2018 SAMPLING EVENT

0' 65'

S C A L E

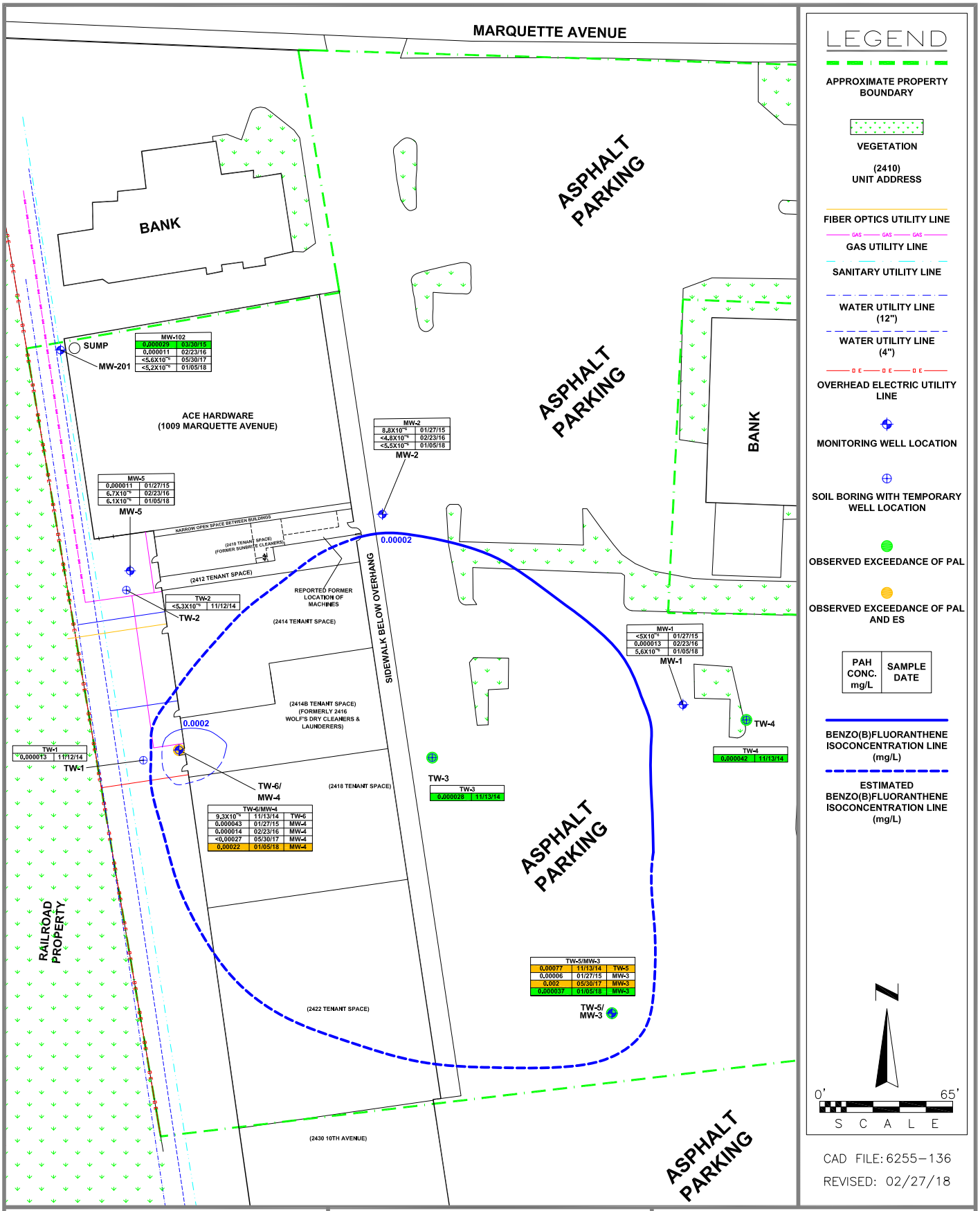
CAD FILE: 6255-135

REVISED: 02/27/18

ENVIRONMENTAL

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

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



LEGEND

APPROXIMATE PROPERTY BOUNDARY

VEGETATION

(2410) UNIT ADDRESS

FIBER OPTICS UTILITY LINE

GAS UTILITY LINE

SANITARY UTILITY LINE

WATER UTILITY LINE (12")

WATER UTILITY LINE (4")

OVERHEAD ELECTRIC UTILITY LINE

MONITORING WELL LOCATION

SOIL BORING WITH TEMPORARY WELL LOCATION

OBSERVED EXCEEDANCE OF PAL

OBSERVED EXCEEDANCE OF PAL AND ES

PAH CONC. mg/L	SAMPLE DATE

BENZO(B)FLUORANTHENE ISOCONCENTRATION LINE (mg/L)

ESTIMATED BENZO(B)FLUORANTHENE ISOCONCENTRATION LINE (mg/L)

N

0' 65'

S C A L E

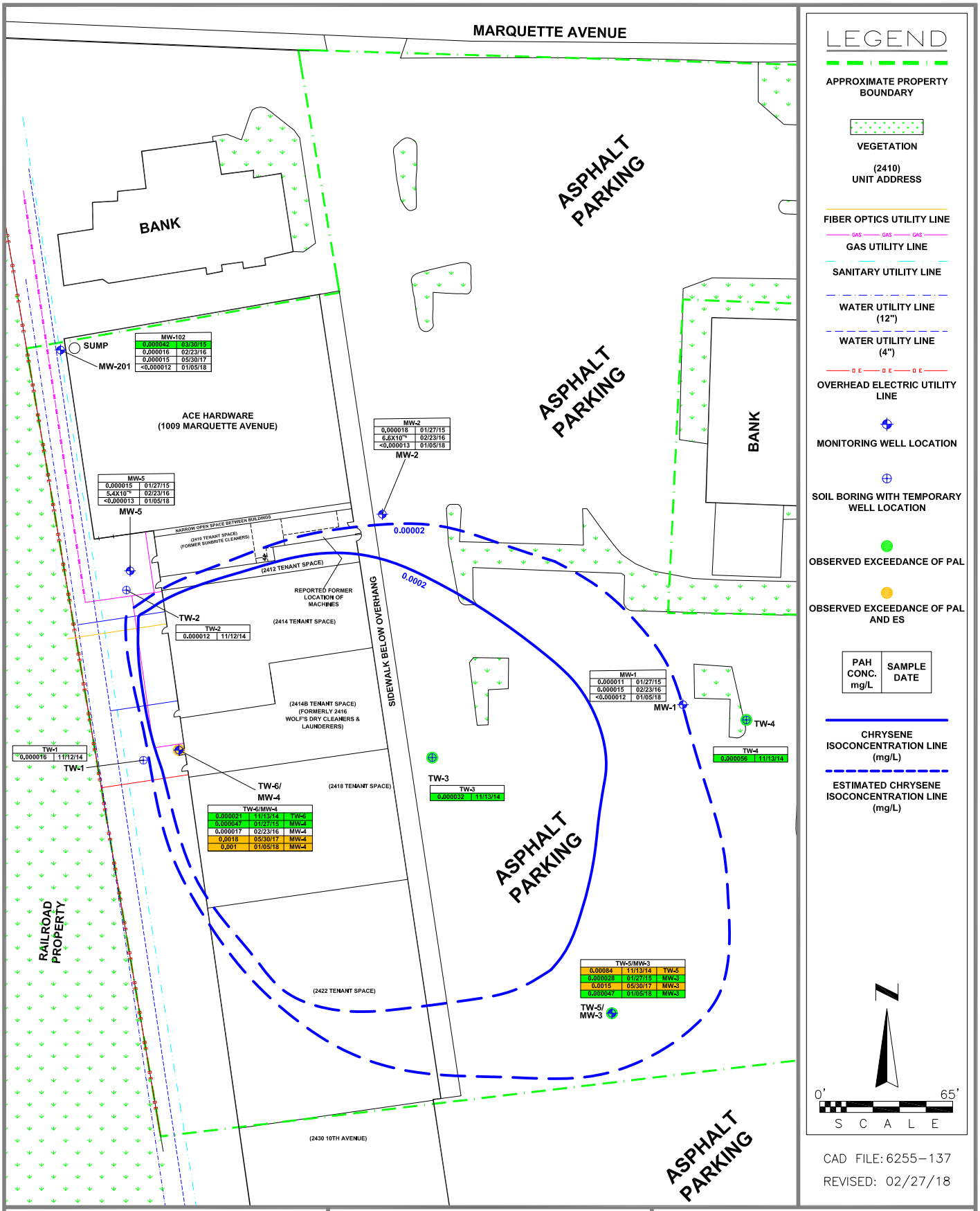
CAD FILE: 6255-136

REVISED: 02/27/18

ENVIRONMENTAL DAI

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

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



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

CHRYSENE ISOCONCENTRATION LINE (mg/L)

ESTIMATED CHRYSENE ISOCONCENTRATION LINE (mg/L)

N

0' 65'

S C A L E

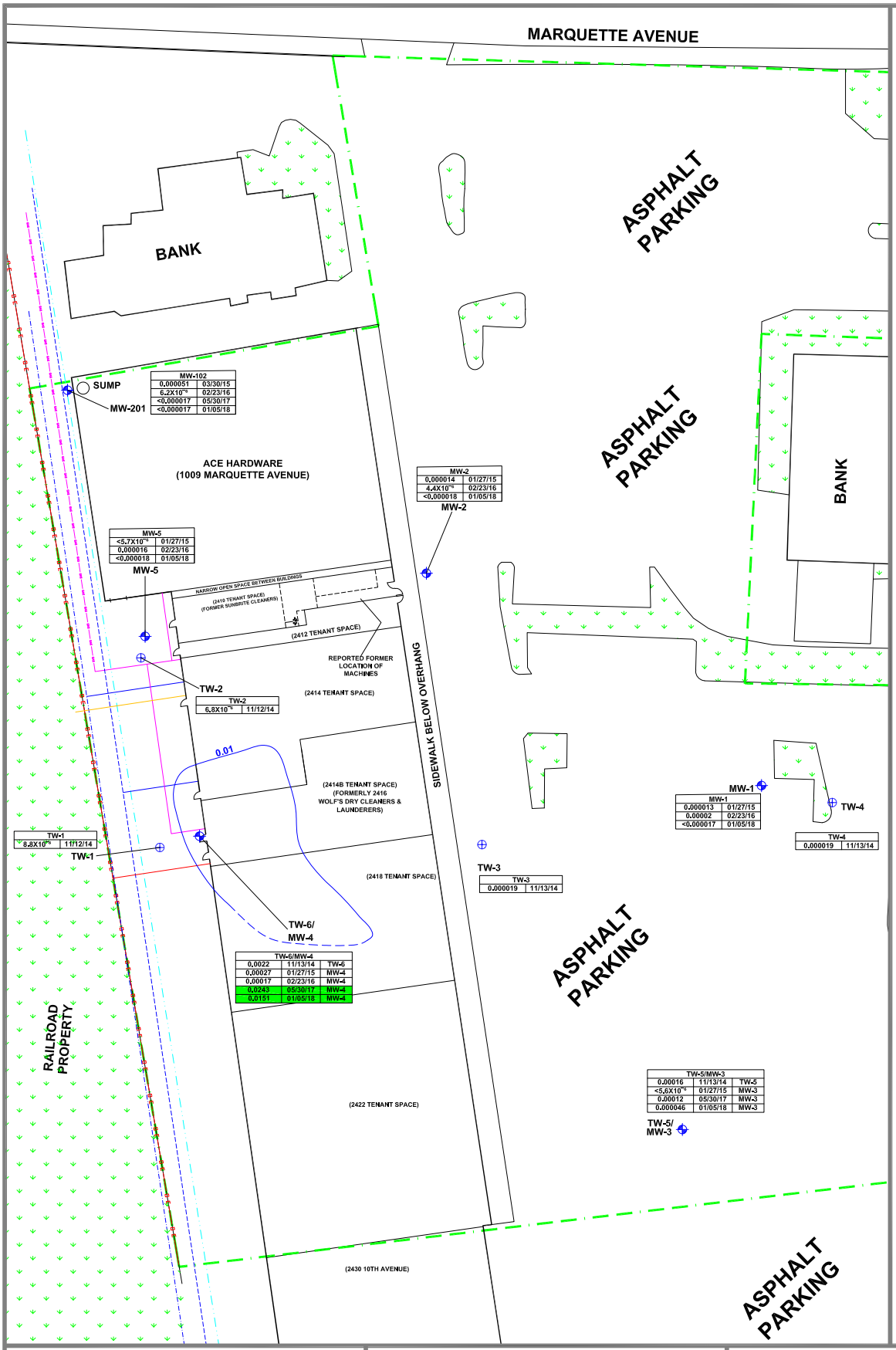
CAD FILE: 6255-137

REVISED: 02/27/18

ENVIRONMENTAL DAI

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

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



LEGEND

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

PAH CONC. mg/L	SAMPLE DATE

- NAPHTHALENE ISOCONCENTRATION LINE (mg/L)
- ESTIMATED NAPHTHALENE ISOCONCENTRATION LINE (mg/L)

N

0' 65'

S C A L E

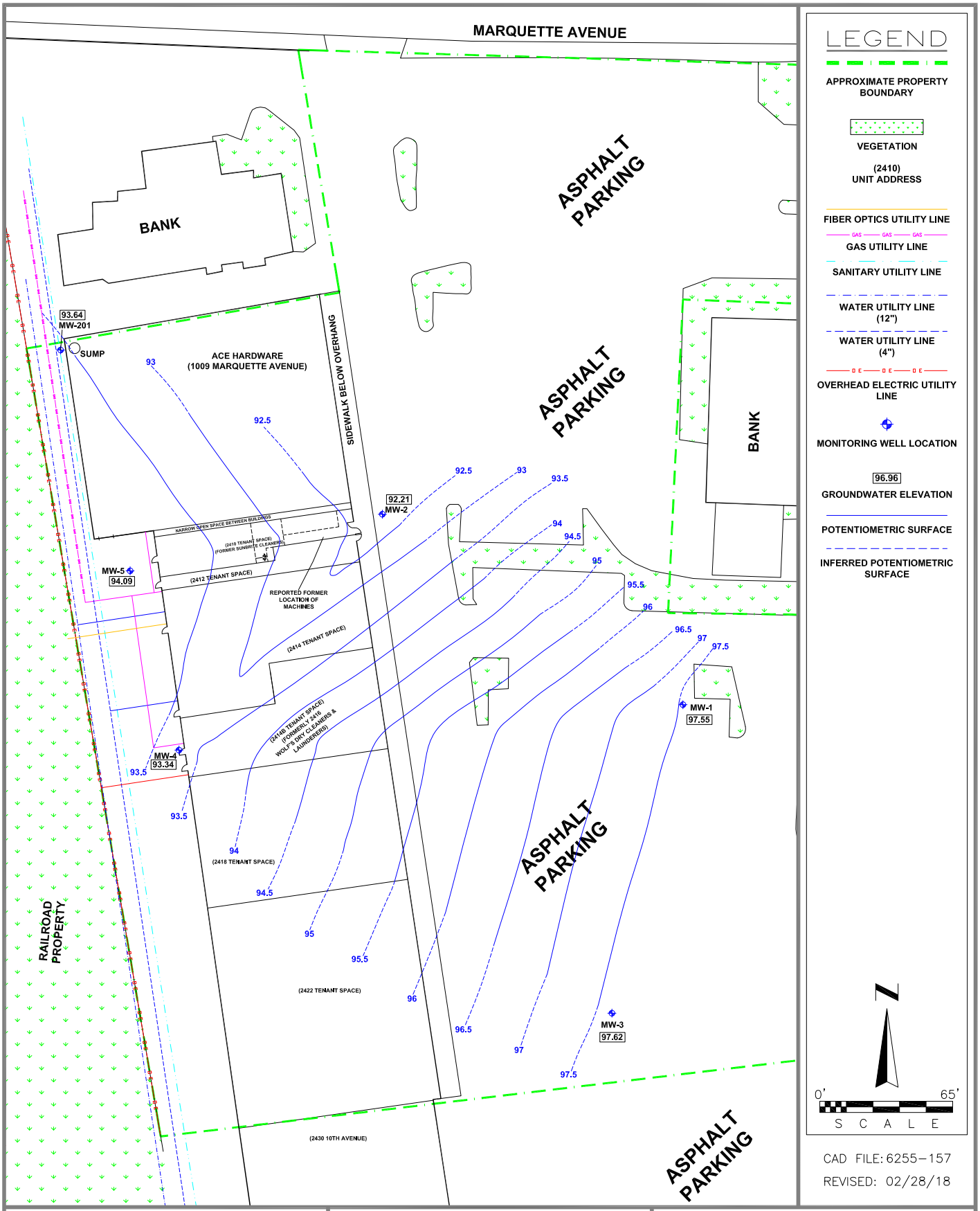
CAD FILE: 6255-138

REVISED: 02/28/18

ENVIRONMENTAL DAI

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

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

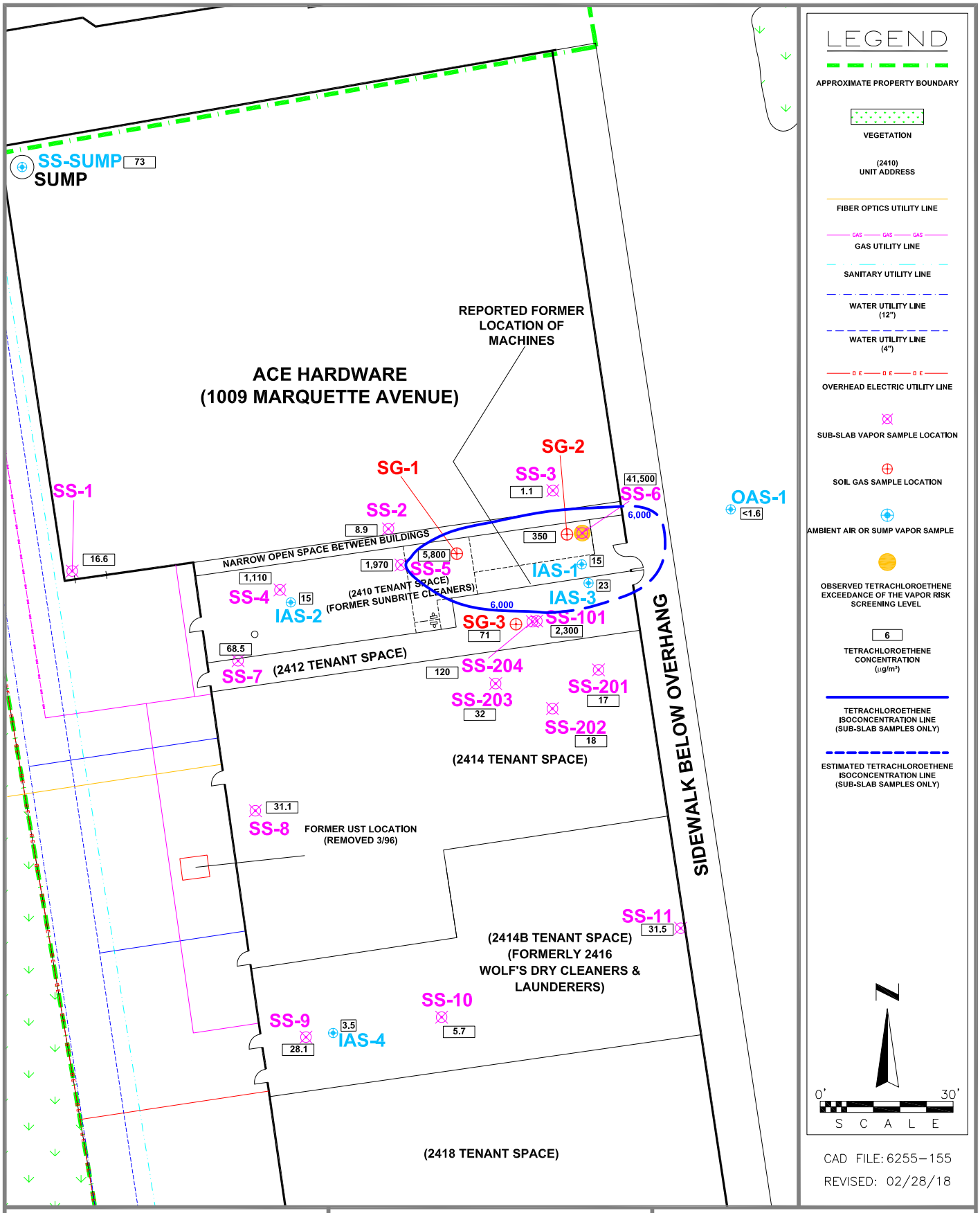


CAD FILE: 6255-157
REVISED: 02/28/18

ENVIRONMENTAL DAI

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

FIGURE B.3.c.4
GROUNDWATER FLOW DIRECTION
(FEBRUARY 27, 2018)



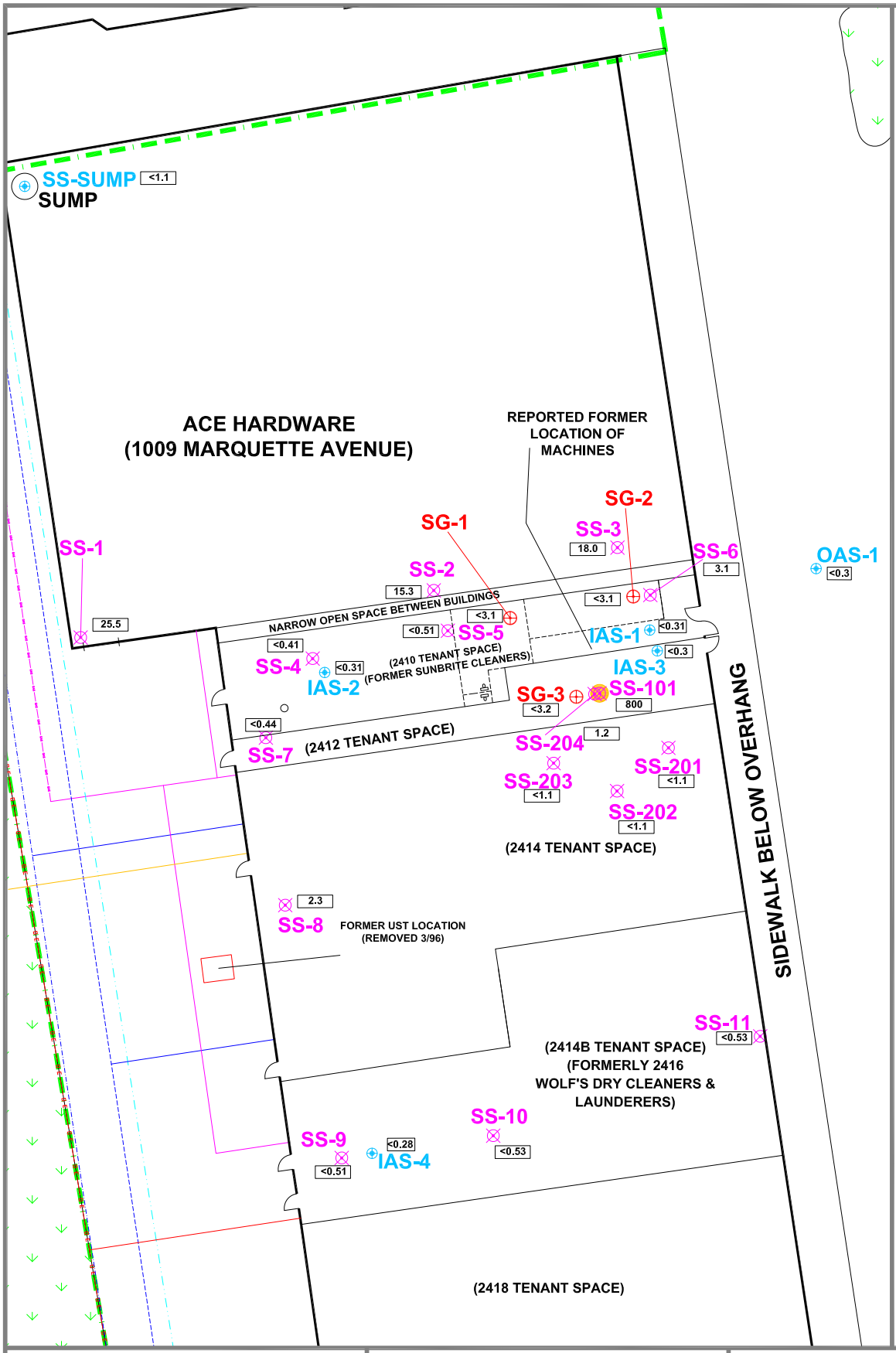
CAD FILE: 6255-155

REVISED: 02/28/18

DAI ENVIRONMENTAL

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

FIGURE B.4.a.1
VAPOR INTRUSION MAP
(TETRACHLOROETHENE)



CAD FILE: 6255-156
REVISED: 02/28/18

DAI ENVIRONMENTAL

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

FIGURE B.4.a.2
VAPOR INTRUSION MAP
(NAPHTHALENE)

APPENDIX C.1.E
LABORATORY ANALYTICAL REPORTS

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

January 11, 2018

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

RE: Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Dear Chris Cailles:
Enclosed are the analytical results for sample(s) received by the laboratory on January 09, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Laurie Woelfel

Laurie Woelfel
laurie.woelfel@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Jenny Rovzar, DAI

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE SUMMARY

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40163224001	**MW-1**	Water	01/05/18 12:10	01/09/18 08:40
40163224002	**MW-2**	Water	01/05/18 12:18	01/09/18 08:40
40163224003	**MW-3**	Water	01/05/18 12:55	01/09/18 08:40
40163224004	**MW-4**	Water	01/05/18 13:10	01/09/18 08:40
40163224005	**MW-5**	Water	01/05/18 14:20	01/09/18 08:40
40163224006	**MW-201**	Water	01/05/18 15:00	01/09/18 08:40

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SAMPLE ANALYTE COUNT

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40163224001	**MW-1**	EPA 8270 by HVI	TPO	20
40163224002	**MW-2**	EPA 8270 by HVI	TPO	20
40163224003	**MW-3**	EPA 8270 by HVI	TPO	20
40163224004	**MW-4**	EPA 8270 by HVI	TPO	20
40163224005	**MW-5**	EPA 8270 by HVI	TPO	20
40163224006	**MW-201**	EPA 8270 by HVI	TPO	20

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Sample: MW-1 **Lab ID: 40163224001** Collected: 01/05/18 12:10 Received: 01/09/18 08:40 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								
Acenaphthene	**<0.0055**	ug/L	0.028	0.0055	1	01/10/18 08:55	01/10/18 17:18	83-32-9	
Acenaphthylene	**<0.0045**	ug/L	0.023	0.0045	1	01/10/18 08:55	01/10/18 17:18	208-96-8	
Anthracene	**<0.0095**	ug/L	0.048	0.0095	1	01/10/18 08:55	01/10/18 17:18	120-12-7	
Benzo(a)anthracene	**<0.0069**	ug/L	0.034	0.0069	1	01/10/18 08:55	01/10/18 17:18	56-55-3	
Benzo(a)pyrene	**<0.0096**	ug/L	0.048	0.0096	1	01/10/18 08:55	01/10/18 17:18	50-32-8	
Benzo(b)fluoranthene	**0.0056J**	ug/L	0.026	0.0052	1	01/10/18 08:55	01/10/18 17:18	205-99-2	
Benzo(g,h,i)perylene	**<0.0062**	ug/L	0.031	0.0062	1	01/10/18 08:55	01/10/18 17:18	191-24-2	
Benzo(k)fluoranthene	**<0.0069**	ug/L	0.034	0.0069	1	01/10/18 08:55	01/10/18 17:18	207-08-9	
Chrysene	**<0.012**	ug/L	0.059	0.012	1	01/10/18 08:55	01/10/18 17:18	218-01-9	
Dibenz(a,h)anthracene	**<0.0091**	ug/L	0.046	0.0091	1	01/10/18 08:55	01/10/18 17:18	53-70-3	
Fluoranthene	**0.018J**	ug/L	0.048	0.0097	1	01/10/18 08:55	01/10/18 17:18	206-44-0	L1
Fluorene	**<0.0072**	ug/L	0.036	0.0072	1	01/10/18 08:55	01/10/18 17:18	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.080	0.016	1	01/10/18 08:55	01/10/18 17:18	193-39-5	
1-Methylnaphthalene	**<0.0054**	ug/L	0.027	0.0054	1	01/10/18 08:55	01/10/18 17:18	90-12-0	
2-Methylnaphthalene	**<0.0045**	ug/L	0.022	0.0045	1	01/10/18 08:55	01/10/18 17:18	91-57-6	
Naphthalene	**<0.017**	ug/L	0.083	0.017	1	01/10/18 08:55	01/10/18 17:18	91-20-3	
Phenanthrene	**0.013J**	ug/L	0.063	0.013	1	01/10/18 08:55	01/10/18 17:18	85-01-8	
Pyrene	**0.026J**	ug/L	0.035	0.0070	1	01/10/18 08:55	01/10/18 17:18	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	47	%	35-84		1	01/10/18 08:55	01/10/18 17:18	321-60-8	
Terphenyl-d14 (S)	63	%	10-129		1	01/10/18 08:55	01/10/18 17:18	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Sample: MW-2 **Lab ID: 40163224002** Collected: 01/05/18 12:18 Received: 01/09/18 08:40 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								
Acenaphthene	**<0.0058**	ug/L	0.029	0.0058	1	01/10/18 08:55	01/10/18 17:37	83-32-9	
Acenaphthylene	**<0.0048**	ug/L	0.024	0.0048	1	01/10/18 08:55	01/10/18 17:37	208-96-8	
Anthracene	**<0.010**	ug/L	0.050	0.010	1	01/10/18 08:55	01/10/18 17:37	120-12-7	
Benzo(a)anthracene	**<0.0073**	ug/L	0.036	0.0073	1	01/10/18 08:55	01/10/18 17:37	56-55-3	
Benzo(a)pyrene	**<0.010**	ug/L	0.051	0.010	1	01/10/18 08:55	01/10/18 17:37	50-32-8	
Benzo(b)fluoranthene	**<0.0055**	ug/L	0.028	0.0055	1	01/10/18 08:55	01/10/18 17:37	205-99-2	
Benzo(g,h,i)perylene	**<0.0065**	ug/L	0.033	0.0065	1	01/10/18 08:55	01/10/18 17:37	191-24-2	
Benzo(k)fluoranthene	**<0.0073**	ug/L	0.036	0.0073	1	01/10/18 08:55	01/10/18 17:37	207-08-9	
Chrysene	**<0.013**	ug/L	0.063	0.013	1	01/10/18 08:55	01/10/18 17:37	218-01-9	
Dibenz(a,h)anthracene	**<0.0096**	ug/L	0.048	0.0096	1	01/10/18 08:55	01/10/18 17:37	53-70-3	
Fluoranthene	**<0.010**	ug/L	0.051	0.010	1	01/10/18 08:55	01/10/18 17:37	206-44-0	L1
Fluorene	**<0.0077**	ug/L	0.038	0.0077	1	01/10/18 08:55	01/10/18 17:37	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.017**	ug/L	0.085	0.017	1	01/10/18 08:55	01/10/18 17:37	193-39-5	
1-Methylnaphthalene	**0.0066J**	ug/L	0.028	0.0057	1	01/10/18 08:55	01/10/18 17:37	90-12-0	
2-Methylnaphthalene	**0.0055J**	ug/L	0.024	0.0047	1	01/10/18 08:55	01/10/18 17:37	91-57-6	
Naphthalene	**<0.018**	ug/L	0.088	0.018	1	01/10/18 08:55	01/10/18 17:37	91-20-3	
Phenanthrene	**<0.013**	ug/L	0.066	0.013	1	01/10/18 08:55	01/10/18 17:37	85-01-8	
Pyrene	**0.0078J**	ug/L	0.037	0.0074	1	01/10/18 08:55	01/10/18 17:37	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	59	%	35-84		1	01/10/18 08:55	01/10/18 17:37	321-60-8	
Terphenyl-d14 (S)	77	%	10-129		1	01/10/18 08:55	01/10/18 17:37	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Sample: MW-3 **Lab ID: 40163224003** Collected: 01/05/18 12:55 Received: 01/09/18 08:40 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								
Acenaphthene	**0.0077J**	ug/L	0.028	0.0055	1	01/10/18 08:55	01/10/18 17:55	83-32-9	
Acenaphthylene	**<0.0045**	ug/L	0.023	0.0045	1	01/10/18 08:55	01/10/18 17:55	208-96-8	
Anthracene	**0.031J**	ug/L	0.048	0.0095	1	01/10/18 08:55	01/10/18 17:55	120-12-7	
Benzo(a)anthracene	**0.0069J**	ug/L	0.034	0.0069	1	01/10/18 08:55	01/10/18 17:55	56-55-3	
Benzo(a)pyrene	**<0.0096**	ug/L	0.048	0.0096	1	01/10/18 08:55	01/10/18 17:55	50-32-8	
Benzo(b)fluoranthene	**0.037**	ug/L	0.026	0.0052	1	01/10/18 08:55	01/10/18 17:55	205-99-2	
Benzo(g,h,i)perylene	**0.018J**	ug/L	0.031	0.0062	1	01/10/18 08:55	01/10/18 17:55	191-24-2	
Benzo(k)fluoranthene	**0.014J**	ug/L	0.034	0.0069	1	01/10/18 08:55	01/10/18 17:55	207-08-9	
Chrysene	**0.047J**	ug/L	0.059	0.012	1	01/10/18 08:55	01/10/18 17:55	218-01-9	
Dibenz(a,h)anthracene	**<0.0091**	ug/L	0.046	0.0091	1	01/10/18 08:55	01/10/18 17:55	53-70-3	
Fluoranthene	**0.21**	ug/L	0.048	0.0097	1	01/10/18 08:55	01/10/18 17:55	206-44-0	L1
Fluorene	**0.022J**	ug/L	0.036	0.0072	1	01/10/18 08:55	01/10/18 17:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.080	0.016	1	01/10/18 08:55	01/10/18 17:55	193-39-5	
1-Methylnaphthalene	**0.16**	ug/L	0.027	0.0054	1	01/10/18 08:55	01/10/18 17:55	90-12-0	
2-Methylnaphthalene	**0.16**	ug/L	0.022	0.0045	1	01/10/18 08:55	01/10/18 17:55	91-57-6	
Naphthalene	**0.46**	ug/L	0.083	0.017	1	01/10/18 08:55	01/10/18 17:55	91-20-3	
Phenanthrene	**0.085**	ug/L	0.063	0.013	1	01/10/18 08:55	01/10/18 17:55	85-01-8	
Pyrene	**0.11**	ug/L	0.035	0.0070	1	01/10/18 08:55	01/10/18 17:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	35-84		1	01/10/18 08:55	01/10/18 17:55	321-60-8	
Terphenyl-d14 (S)	66	%	10-129		1	01/10/18 08:55	01/10/18 17:55	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Sample: MW-4 **Lab ID: 40163224004** Collected: 01/05/18 13:10 Received: 01/09/18 08:40 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								
Acenaphthene	**24.6**	ug/L	0.57	0.11	20	01/10/18 08:55	01/10/18 19:47	83-32-9	
Acenaphthylene	**8.3**	ug/L	0.47	0.093	20	01/10/18 08:55	01/10/18 19:47	208-96-8	
Anthracene	**1.9**	ug/L	0.98	0.20	20	01/10/18 08:55	01/10/18 19:47	120-12-7	
Benzo(a)anthracene	**<0.14**	ug/L	0.71	0.14	20	01/10/18 08:55	01/10/18 19:47	56-55-3	
Benzo(a)pyrene	**<0.20**	ug/L	0.98	0.20	20	01/10/18 08:55	01/10/18 19:47	50-32-8	
Benzo(b)fluoranthene	**0.22J**	ug/L	0.54	0.11	20	01/10/18 08:55	01/10/18 19:47	205-99-2	
Benzo(g,h,i)perylene	**<0.13**	ug/L	0.63	0.13	20	01/10/18 08:55	01/10/18 19:47	191-24-2	
Benzo(k)fluoranthene	**<0.14**	ug/L	0.71	0.14	20	01/10/18 08:55	01/10/18 19:47	207-08-9	
Chrysene	**1.0J**	ug/L	1.2	0.24	20	01/10/18 08:55	01/10/18 19:47	218-01-9	
Dibenz(a,h)anthracene	**<0.19**	ug/L	0.94	0.19	20	01/10/18 08:55	01/10/18 19:47	53-70-3	
Fluoranthene	**4.6**	ug/L	1.0	0.20	20	01/10/18 08:55	01/10/18 19:47	206-44-0	L1
Fluorene	**50.4**	ug/L	0.75	0.15	20	01/10/18 08:55	01/10/18 19:47	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.33**	ug/L	1.6	0.33	20	01/10/18 08:55	01/10/18 19:47	193-39-5	
1-Methylnaphthalene	**183**	ug/L	0.55	0.11	20	01/10/18 08:55	01/10/18 19:47	90-12-0	
2-Methylnaphthalene	**12.6**	ug/L	0.46	0.092	20	01/10/18 08:55	01/10/18 19:47	91-57-6	
Naphthalene	**15.1**	ug/L	1.7	0.34	20	01/10/18 08:55	01/10/18 19:47	91-20-3	
Phenanthrene	**102**	ug/L	1.3	0.26	20	01/10/18 08:55	01/10/18 19:47	85-01-8	
Pyrene	**10.2**	ug/L	0.72	0.14	20	01/10/18 08:55	01/10/18 19:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	35-84		20	01/10/18 08:55	01/10/18 19:47	321-60-8	
Terphenyl-d14 (S)	44	%	10-129		20	01/10/18 08:55	01/10/18 19:47	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Sample: MW-5 **Lab ID: 40163224005** Collected: 01/05/18 14:20 Received: 01/09/18 08:40 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								
Acenaphthene	**<0.0061**	ug/L	0.030	0.0061	1	01/10/18 08:55	01/10/18 18:14	83-32-9	
Acenaphthylene	**<0.0050**	ug/L	0.025	0.0050	1	01/10/18 08:55	01/10/18 18:14	208-96-8	
Anthracene	**<0.010**	ug/L	0.052	0.010	1	01/10/18 08:55	01/10/18 18:14	120-12-7	
Benzo(a)anthracene	**<0.0076**	ug/L	0.038	0.0076	1	01/10/18 08:55	01/10/18 18:14	56-55-3	
Benzo(a)pyrene	**<0.011**	ug/L	0.053	0.011	1	01/10/18 08:55	01/10/18 18:14	50-32-8	
Benzo(b)fluoranthene	**0.0061J**	ug/L	0.029	0.0057	1	01/10/18 08:55	01/10/18 18:14	205-99-2	
Benzo(g,h,i)perylene	**<0.0068**	ug/L	0.034	0.0068	1	01/10/18 08:55	01/10/18 18:14	191-24-2	
Benzo(k)fluoranthene	**<0.0076**	ug/L	0.038	0.0076	1	01/10/18 08:55	01/10/18 18:14	207-08-9	
Chrysene	**<0.013**	ug/L	0.065	0.013	1	01/10/18 08:55	01/10/18 18:14	218-01-9	
Dibenz(a,h)anthracene	**<0.010**	ug/L	0.050	0.010	1	01/10/18 08:55	01/10/18 18:14	53-70-3	
Fluoranthene	**<0.011**	ug/L	0.053	0.011	1	01/10/18 08:55	01/10/18 18:14	206-44-0	L1
Fluorene	**<0.0080**	ug/L	0.040	0.0080	1	01/10/18 08:55	01/10/18 18:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.018**	ug/L	0.088	0.018	1	01/10/18 08:55	01/10/18 18:14	193-39-5	
1-Methylnaphthalene	**0.0068J**	ug/L	0.030	0.0059	1	01/10/18 08:55	01/10/18 18:14	90-12-0	
2-Methylnaphthalene	**0.0074J**	ug/L	0.024	0.0049	1	01/10/18 08:55	01/10/18 18:14	91-57-6	
Naphthalene	**<0.018**	ug/L	0.092	0.018	1	01/10/18 08:55	01/10/18 18:14	91-20-3	
Phenanthrene	**0.015J**	ug/L	0.069	0.014	1	01/10/18 08:55	01/10/18 18:14	85-01-8	
Pyrene	**0.0089J**	ug/L	0.038	0.0076	1	01/10/18 08:55	01/10/18 18:14	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	59	%	35-84		1	01/10/18 08:55	01/10/18 18:14	321-60-8	
Terphenyl-d14 (S)	88	%	10-129		1	01/10/18 08:55	01/10/18 18:14	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Sample: MW-201 **Lab ID: 40163224006** Collected: 01/05/18 15:00 Received: 01/09/18 08:40 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								
Acenaphthene	**<0.0055**	ug/L	0.028	0.0055	1	01/10/18 08:55	01/10/18 18:33	83-32-9	
Acenaphthylene	**<0.0045**	ug/L	0.023	0.0045	1	01/10/18 08:55	01/10/18 18:33	208-96-8	
Anthracene	**<0.0095**	ug/L	0.048	0.0095	1	01/10/18 08:55	01/10/18 18:33	120-12-7	
Benzo(a)anthracene	**<0.0069**	ug/L	0.034	0.0069	1	01/10/18 08:55	01/10/18 18:33	56-55-3	
Benzo(a)pyrene	**<0.0096**	ug/L	0.048	0.0096	1	01/10/18 08:55	01/10/18 18:33	50-32-8	
Benzo(b)fluoranthene	**<0.0052**	ug/L	0.026	0.0052	1	01/10/18 08:55	01/10/18 18:33	205-99-2	
Benzo(g,h,i)perylene	**<0.0062**	ug/L	0.031	0.0062	1	01/10/18 08:55	01/10/18 18:33	191-24-2	
Benzo(k)fluoranthene	**<0.0069**	ug/L	0.034	0.0069	1	01/10/18 08:55	01/10/18 18:33	207-08-9	
Chrysene	**<0.012**	ug/L	0.059	0.012	1	01/10/18 08:55	01/10/18 18:33	218-01-9	
Dibenz(a,h)anthracene	**<0.0091**	ug/L	0.046	0.0091	1	01/10/18 08:55	01/10/18 18:33	53-70-3	
Fluoranthene	**<0.0097**	ug/L	0.048	0.0097	1	01/10/18 08:55	01/10/18 18:33	206-44-0	L1
Fluorene	**<0.0072**	ug/L	0.036	0.0072	1	01/10/18 08:55	01/10/18 18:33	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.080	0.016	1	01/10/18 08:55	01/10/18 18:33	193-39-5	
1-Methylnaphthalene	**<0.0054**	ug/L	0.027	0.0054	1	01/10/18 08:55	01/10/18 18:33	90-12-0	
2-Methylnaphthalene	**0.0049J**	ug/L	0.022	0.0045	1	01/10/18 08:55	01/10/18 18:33	91-57-6	
Naphthalene	**<0.017**	ug/L	0.083	0.017	1	01/10/18 08:55	01/10/18 18:33	91-20-3	
Phenanthrene	**0.014J**	ug/L	0.063	0.013	1	01/10/18 08:55	01/10/18 18:33	85-01-8	
Pyrene	**0.012J**	ug/L	0.035	0.0070	1	01/10/18 08:55	01/10/18 18:33	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	62	%	35-84		1	01/10/18 08:55	01/10/18 18:33	321-60-8	
Terphenyl-d14 (S)	73	%	10-129		1	01/10/18 08:55	01/10/18 18:33	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

QC Batch: 278808 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40163224001, 40163224002, 40163224003, 40163224004, 40163224005, 40163224006

METHOD BLANK: 1637315 Matrix: Water
Associated Lab Samples: 40163224001, 40163224002, 40163224003, 40163224004, 40163224005, 40163224006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	01/10/18 13:54	
2-Methylnaphthalene	ug/L	<0.0049	0.024	01/10/18 13:54	
Acenaphthene	ug/L	<0.0061	0.030	01/10/18 13:54	
Acenaphthylene	ug/L	<0.0050	0.025	01/10/18 13:54	
Anthracene	ug/L	<0.010	0.052	01/10/18 13:54	
Benzo(a)anthracene	ug/L	<0.0076	0.038	01/10/18 13:54	
Benzo(a)pyrene	ug/L	<0.011	0.053	01/10/18 13:54	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	01/10/18 13:54	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	01/10/18 13:54	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	01/10/18 13:54	
Chrysene	ug/L	<0.013	0.065	01/10/18 13:54	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	01/10/18 13:54	
Fluoranthene	ug/L	<0.011	0.053	01/10/18 13:54	
Fluorene	ug/L	<0.0080	0.040	01/10/18 13:54	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	01/10/18 13:54	
Naphthalene	ug/L	<0.018	0.092	01/10/18 13:54	
Phenanthrene	ug/L	<0.014	0.069	01/10/18 13:54	
Pyrene	ug/L	0.0096J	0.038	01/10/18 13:54	
2-Fluorobiphenyl (S)	%	61	35-84	01/10/18 13:54	
Terphenyl-d14 (S)	%	91	10-129	01/10/18 13:54	

LABORATORY CONTROL SAMPLE: 1637316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.5	75	39-83	
2-Methylnaphthalene	ug/L	2	1.4	72	38-86	
Acenaphthene	ug/L	2	1.5	73	35-85	
Acenaphthylene	ug/L	2	1.5	77	31-88	
Anthracene	ug/L	2	2.1	103	47-104	
Benzo(a)anthracene	ug/L	2	1.8	91	36-105	
Benzo(a)pyrene	ug/L	2	2.0	99	69-117	
Benzo(b)fluoranthene	ug/L	2	1.9	95	54-107	
Benzo(g,h,i)perylene	ug/L	2	1.2	62	13-86	
Benzo(k)fluoranthene	ug/L	2	1.9	96	63-128	
Chrysene	ug/L	2	2.2	112	69-150	
Dibenz(a,h)anthracene	ug/L	2	1.2	58	10-87	
Fluoranthene	ug/L	2	2.2	109	57-103	L1
Fluorene	ug/L	2	1.6	80	38-85	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.8	91	40-111	
Naphthalene	ug/L	2	1.3	65	39-82	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

LABORATORY CONTROL SAMPLE: 1637316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	1.8	88	46-96	
Pyrene	ug/L	2	2.0	101	57-110	
2-Fluorobiphenyl (S)	%			66	35-84	
Terphenyl-d14 (S)	%			98	10-129	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1637320 1637321

Parameter	Units	40163143001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	<0.0059	2	2	1.6	1.5	81	73	27-86	10	29	
2-Methylnaphthalene	ug/L	<0.0049	2	2	1.5	1.4	77	68	30-86	13	35	
Acenaphthene	ug/L	<0.0061	2	2	1.5	1.4	75	68	28-85	9	29	
Acenaphthylene	ug/L	<0.0050	2	2	1.6	1.4	78	70	27-88	11	29	
Anthracene	ug/L	<0.010	2	2	1.9	1.7	97	84	38-104	14	35	
Benzo(a)anthracene	ug/L	<0.0076	2	2	1.6	1.4	78	72	10-105	8	28	
Benzo(a)pyrene	ug/L	<0.011	2	2	1.7	1.6	85	79	10-130	8	26	
Benzo(b)fluoranthene	ug/L	<0.0057	2	2	1.6	1.5	81	77	10-115	5	25	
Benzo(g,h,i)perylene	ug/L	<0.0068	2	2	0.95	0.84	48	42	10-87	12	42	
Benzo(k)fluoranthene	ug/L	<0.0076	2	2	1.6	1.5	82	75	10-133	9	25	
Chrysene	ug/L	<0.013	2	2	2.1	2.0	106	98	17-150	7	24	
Dibenz(a,h)anthracene	ug/L	<0.010	2	2	0.94	0.80	47	40	10-89	16	49	
Fluoranthene	ug/L	<0.011	2	2	2.0	1.8	98	90	41-103	9	32	
Fluorene	ug/L	<0.0080	2	2	1.6	1.4	82	72	32-85	12	28	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	2	2	1.4	1.3	71	64	10-111	11	37	
Naphthalene	ug/L	<0.018	2	2	1.4	1.3	71	63	23-88	12	28	
Phenanthrene	ug/L	<0.014	2	2	1.6	1.4	79	71	33-96	11	25	
Pyrene	ug/L	<0.0076	2	2	1.9	1.7	93	86	38-110	8	28	
2-Fluorobiphenyl (S)	%						72	64	35-84			
Terphenyl-d14 (S)	%						91	85	10-129			

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 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163224

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163224001	**MW-1**	EPA 3510	278808	EPA 8270 by HVI	278832
40163224002	**MW-2**	EPA 3510	278808	EPA 8270 by HVI	278832
40163224003	**MW-3**	EPA 3510	278808	EPA 8270 by HVI	278832
40163224004	**MW-4**	EPA 3510	278808	EPA 8270 by HVI	278832
40163224005	**MW-5**	EPA 3510	278808	EPA 8270 by HVI	278832
40163224006	**MW-201**	EPA 3510	278808	EPA 8270 by HVI	278832

Pace Analytical®
www.pacelabs.com

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

40163224

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	DAI
Branch/Location:	LAKE FOREST
Project Contact:	CHRIS CAILLES
Phone:	847 573 8900
Project Number:	6255
Project Name:	SUNRISE SHOPPING CNTR
Project State:	WI
Sampled By (Print):	DAN TOKO / MARCUS
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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

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

Matrix Codes

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
001	MW-1	1/5/18	1210	GW		A			2-100mL pg A
002	MW-2		1218			A			
003	MW-3		1255			A			
004	MW-4		1310			A			
005	MW-5		1420			A			
006	MW-201		1500			A			

Profile #

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	1/8/18 1:43 pm		1/8/18 1343
	1/8/18	CS Logistics	1/8/18
CS Logistics	1/9/18 0840		1/9/18 0840

PACE Project No.
40163224

Receipt Temp = 1.5 °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 Condition Upon Receipt

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

Pace Analytical™

Client Name: DAI

Project #: **WO#: 40163224**

40163224

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

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-4 **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: 1.5 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☒ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 1/9/18
Initials: SSA

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
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 ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. No collect times SSA 1/9/18
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☒No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	14.
Trip Blank Present:	☐Yes ☐No ☒N/A	15.
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:

Project Manager Review: Date: 1/9/18

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

January 11, 2018

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

RE: Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

Dear Chris Cailles:
Enclosed are the analytical results for sample(s) received by the laboratory on January 09, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Laurie Woelfel

Laurie Woelfel
laurie.woelfel@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 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40163225001	**SUMP WATER**	Water	01/05/18 15:10	01/09/18 08:45

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40163225001	**SUMP WATER**	EPA 8260	LAP	64

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

Sample: SUMP WATER **Lab ID: 40163225001** Collected: 01/05/18 15:10 Received: 01/09/18 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/10/18 16:26	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/10/18 16:26	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/10/18 16:26	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/10/18 16:26	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:26	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/10/18 16:26	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/10/18 16:26	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/10/18 16:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/10/18 16:26	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:26	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/10/18 16:26	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/10/18 16:26	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/10/18 16:26	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/10/18 16:26	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/10/18 16:26	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/10/18 16:26	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/10/18 16:26	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/10/18 16:26	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/10/18 16:26	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/10/18 16:26	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/10/18 16:26	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/10/18 16:26	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/10/18 16:26	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/10/18 16:26	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/10/18 16:26	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/10/18 16:26	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:26	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

Sample: SUMP WATER **Lab ID: 40163225001** Collected: 01/05/18 15:10 Received: 01/09/18 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/10/18 16:26	79-34-5	
Tetrachloroethene	**8.2**	ug/L	1.0	0.50	1		01/10/18 16:26	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/10/18 16:26	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/10/18 16:26	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/10/18 16:26	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/10/18 16:26	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:26	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:26	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/10/18 16:26	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	61-130		1		01/10/18 16:26	460-00-4	
Dibromofluoromethane (S)	96	%	67-130		1		01/10/18 16:26	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		01/10/18 16:26	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 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

QC Batch: 278797 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40163225001

METHOD BLANK: 1637287 Matrix: Water
Associated Lab Samples: 40163225001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	01/10/18 09:21	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	01/10/18 09:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	01/10/18 09:21	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	01/10/18 09:21	
1,1-Dichloroethane	ug/L	<0.24	1.0	01/10/18 09:21	
1,1-Dichloroethene	ug/L	<0.41	1.0	01/10/18 09:21	
1,1-Dichloropropene	ug/L	<0.44	1.0	01/10/18 09:21	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	01/10/18 09:21	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	01/10/18 09:21	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	01/10/18 09:21	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	01/10/18 09:21	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	01/10/18 09:21	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	01/10/18 09:21	
1,2-Dichloroethane	ug/L	<0.17	1.0	01/10/18 09:21	
1,2-Dichloropropane	ug/L	<0.23	1.0	01/10/18 09:21	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	01/10/18 09:21	
1,3-Dichloropropane	ug/L	<0.50	1.0	01/10/18 09:21	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	01/10/18 09:21	
2,2-Dichloropropane	ug/L	<0.48	1.0	01/10/18 09:21	
2-Chlorotoluene	ug/L	<0.50	1.0	01/10/18 09:21	
4-Chlorotoluene	ug/L	<0.21	1.0	01/10/18 09:21	
Benzene	ug/L	<0.50	1.0	01/10/18 09:21	
Bromobenzene	ug/L	<0.23	1.0	01/10/18 09:21	
Bromochloromethane	ug/L	<0.34	1.0	01/10/18 09:21	
Bromodichloromethane	ug/L	<0.50	1.0	01/10/18 09:21	
Bromoform	ug/L	<0.50	1.0	01/10/18 09:21	
Bromomethane	ug/L	<2.4	5.0	01/10/18 09:21	
Carbon tetrachloride	ug/L	<0.50	1.0	01/10/18 09:21	
Chlorobenzene	ug/L	<0.50	1.0	01/10/18 09:21	
Chloroethane	ug/L	<0.37	1.0	01/10/18 09:21	
Chloroform	ug/L	<2.5	5.0	01/10/18 09:21	
Chloromethane	ug/L	<0.50	1.0	01/10/18 09:21	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	01/10/18 09:21	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	01/10/18 09:21	
Dibromochloromethane	ug/L	<0.50	1.0	01/10/18 09:21	
Dibromomethane	ug/L	<0.43	1.0	01/10/18 09:21	
Dichlorodifluoromethane	ug/L	<0.22	1.0	01/10/18 09:21	
Diisopropyl ether	ug/L	<0.50	1.0	01/10/18 09:21	
Ethylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

METHOD BLANK: 1637287 Matrix: Water
Associated Lab Samples: 40163225001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	01/10/18 09:21	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	01/10/18 09:21	
m&p-Xylene	ug/L	<1.0	2.0	01/10/18 09:21	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	01/10/18 09:21	
Methylene Chloride	ug/L	<0.23	1.0	01/10/18 09:21	
n-Butylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	
n-Propylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	
Naphthalene	ug/L	<2.5	5.0	01/10/18 09:21	
o-Xylene	ug/L	<0.50	1.0	01/10/18 09:21	
p-Isopropyltoluene	ug/L	<0.50	1.0	01/10/18 09:21	
sec-Butylbenzene	ug/L	<2.2	5.0	01/10/18 09:21	
Styrene	ug/L	<0.50	1.0	01/10/18 09:21	
tert-Butylbenzene	ug/L	<0.18	1.0	01/10/18 09:21	
Tetrachloroethene	ug/L	<0.50	1.0	01/10/18 09:21	
Toluene	ug/L	<0.50	1.0	01/10/18 09:21	
trans-1,2-Dichloroethene	ug/L	0.29J	1.0	01/10/18 09:21	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	01/10/18 09:21	
Trichloroethene	ug/L	<0.33	1.0	01/10/18 09:21	
Trichlorofluoromethane	ug/L	<0.18	1.0	01/10/18 09:21	
Vinyl chloride	ug/L	<0.18	1.0	01/10/18 09:21	
4-Bromofluorobenzene (S)	%	99	61-130	01/10/18 09:21	
Dibromofluoromethane (S)	%	96	67-130	01/10/18 09:21	
Toluene-d8 (S)	%	98	70-130	01/10/18 09:21	

LABORATORY CONTROL SAMPLE: 1637288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	96	70-130	
1,1,2-Trichloroethane	ug/L	20	18.9	94	70-130	
1,1-Dichloroethane	ug/L	20	19.9	100	71-132	
1,1-Dichloroethene	ug/L	20	19.3	96	75-130	
1,2,4-Trichlorobenzene	ug/L	20	18.9	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.8	94	63-123	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	20	21.8	109	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-131	
1,2-Dichloropropane	ug/L	20	19.4	97	80-120	
1,3-Dichlorobenzene	ug/L	20	21.7	109	70-130	
1,4-Dichlorobenzene	ug/L	20	21.8	109	70-130	
Benzene	ug/L	20	19.2	96	73-145	
Bromodichloromethane	ug/L	20	19.0	95	70-130	
Bromoform	ug/L	20	18.7	94	67-130	
Bromomethane	ug/L	20	15.0	75	26-128	

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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 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

LABORATORY CONTROL SAMPLE: 1637288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	20	18.8	94	70-133	
Chlorobenzene	ug/L	20	21.1	105	70-130	
Chloroethane	ug/L	20	17.8	89	58-120	
Chloroform	ug/L	20	19.8	99	80-121	
Chloromethane	ug/L	20	15.5	77	40-127	
cis-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.3	96	70-130	
Dibromochloromethane	ug/L	20	19.7	99	70-130	
Dichlorodifluoromethane	ug/L	20	13.6	68	20-135	
Ethylbenzene	ug/L	20	21.0	105	87-129	
Isopropylbenzene (Cumene)	ug/L	20	21.1	105	70-130	
m&p-Xylene	ug/L	40	42.4	106	70-130	
Methyl-tert-butyl ether	ug/L	20	19.1	95	66-143	
Methylene Chloride	ug/L	20	19.9	99	70-130	
o-Xylene	ug/L	20	20.7	103	70-130	
Styrene	ug/L	20	21.0	105	70-130	
Tetrachloroethene	ug/L	20	20.3	101	70-130	
Toluene	ug/L	20	20.0	100	82-130	
trans-1,2-Dichloroethene	ug/L	20	18.1	90	75-132	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	70-130	
Trichloroethene	ug/L	20	19.2	96	70-130	
Trichlorofluoromethane	ug/L	20	19.3	97	76-133	
Vinyl chloride	ug/L	20	18.5	93	57-136	
4-Bromofluorobenzene (S)	%			102	61-130	
Dibromofluoromethane (S)	%			95	67-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163225

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163225001	**SUMP WATER**	EPA 8260	278797		

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

Page 1 of 1

RMV

40163225

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	DAI
Branch/Location:	LAKE FOREST
Project Contact:	CLIFF CAILLES
Phone:	(847)573-8900
Project Number:	625T
Project Name:	SUNRISE SENIOR LIVING CENTER
Project State:	WI
Sampled By (Print):	DAN TOWEN / MARCUS GILES CLIFF
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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	Analyses Requested: Y/N	Pick Letter	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B			
001	SUMP WATER	1/5/18	1510	GW	X	VOA		3-40mL VOA B	

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	1/8/17 1:43pm	Kathleen Wendt	1/8/18 1343
Kathleen Wendt	1/8/18 1700	CS Logistics	1/8/18
CS Logistics	1/9/18 0840		
			1/9/18 0840

PACE Project No. 40163225

Receipt Temp = °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Pace Analytical

Sample Condition Upon Receipt

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

Client Name: DAL

Project #: **WO# : 40163225**

40163225

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

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-4 **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: 1.5 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☒ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 1/9/18
Initials: SSM

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
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 ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☐Yes ☒No ☐N/A	8. No MS/MSD vol SSM 1/9/18
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☐Yes ☒No ☐N/A	12. No collect times SSM 1/9/18
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☒Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	14.
Trip Blank Present:	☐Yes ☒No ☐N/A	15.
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:

Project Manager Review: Date: 1/9/18

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

January 11, 2018

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

RE: Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

Dear Chris Cailles:
Enclosed are the analytical results for sample(s) received by the laboratory on January 09, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Laurie Woelfel

Laurie Woelfel
laurie.woelfel@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Jenny Rovzar, DAI

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

Green Bay Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40163226001	**MW-5**	Water	01/05/18 14:20	01/09/18 08:45

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SAMPLE ANALYTE COUNT

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40163226001	**MW-5**	EPA 8260	LAP	64

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

Sample: MW-5 **Lab ID: 40163226001** Collected: 01/05/18 14:20 Received: 01/09/18 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		01/10/18 16:49	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		01/10/18 16:49	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		01/10/18 16:49	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		01/10/18 16:49	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:49	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		01/10/18 16:49	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		01/10/18 16:49	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		01/10/18 16:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		01/10/18 16:49	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:49	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		01/10/18 16:49	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		01/10/18 16:49	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		01/10/18 16:49	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		01/10/18 16:49	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		01/10/18 16:49	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/10/18 16:49	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		01/10/18 16:49	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		01/10/18 16:49	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		01/10/18 16:49	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		01/10/18 16:49	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		01/10/18 16:49	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		01/10/18 16:49	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		01/10/18 16:49	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		01/10/18 16:49	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		01/10/18 16:49	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		01/10/18 16:49	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:49	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

Sample: MW-5 **Lab ID: 40163226001** Collected: 01/05/18 14:20 Received: 01/09/18 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		01/10/18 16:49	79-34-5	
Tetrachloroethene	**18.1**	ug/L	1.0	0.50	1		01/10/18 16:49	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		01/10/18 16:49	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		01/10/18 16:49	120-82-1	
1,1,1-Trichloroethane	**0.57J**	ug/L	1.0	0.50	1		01/10/18 16:49	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/10/18 16:49	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		01/10/18 16:49	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:49	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		01/10/18 16:49	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		01/10/18 16:49	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		01/10/18 16:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	61-130		1		01/10/18 16:49	460-00-4	
Dibromofluoromethane (S)	97	%	67-130		1		01/10/18 16:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		01/10/18 16:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

QC Batch: 278797 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40163226001

METHOD BLANK: 1637287 Matrix: Water
Associated Lab Samples: 40163226001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	01/10/18 09:21	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	01/10/18 09:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	01/10/18 09:21	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	01/10/18 09:21	
1,1-Dichloroethane	ug/L	<0.24	1.0	01/10/18 09:21	
1,1-Dichloroethene	ug/L	<0.41	1.0	01/10/18 09:21	
1,1-Dichloropropene	ug/L	<0.44	1.0	01/10/18 09:21	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	01/10/18 09:21	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	01/10/18 09:21	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	01/10/18 09:21	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	01/10/18 09:21	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	01/10/18 09:21	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	01/10/18 09:21	
1,2-Dichloroethane	ug/L	<0.17	1.0	01/10/18 09:21	
1,2-Dichloropropane	ug/L	<0.23	1.0	01/10/18 09:21	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	01/10/18 09:21	
1,3-Dichloropropane	ug/L	<0.50	1.0	01/10/18 09:21	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	01/10/18 09:21	
2,2-Dichloropropane	ug/L	<0.48	1.0	01/10/18 09:21	
2-Chlorotoluene	ug/L	<0.50	1.0	01/10/18 09:21	
4-Chlorotoluene	ug/L	<0.21	1.0	01/10/18 09:21	
Benzene	ug/L	<0.50	1.0	01/10/18 09:21	
Bromobenzene	ug/L	<0.23	1.0	01/10/18 09:21	
Bromochloromethane	ug/L	<0.34	1.0	01/10/18 09:21	
Bromodichloromethane	ug/L	<0.50	1.0	01/10/18 09:21	
Bromoform	ug/L	<0.50	1.0	01/10/18 09:21	
Bromomethane	ug/L	<2.4	5.0	01/10/18 09:21	
Carbon tetrachloride	ug/L	<0.50	1.0	01/10/18 09:21	
Chlorobenzene	ug/L	<0.50	1.0	01/10/18 09:21	
Chloroethane	ug/L	<0.37	1.0	01/10/18 09:21	
Chloroform	ug/L	<2.5	5.0	01/10/18 09:21	
Chloromethane	ug/L	<0.50	1.0	01/10/18 09:21	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	01/10/18 09:21	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	01/10/18 09:21	
Dibromochloromethane	ug/L	<0.50	1.0	01/10/18 09:21	
Dibromomethane	ug/L	<0.43	1.0	01/10/18 09:21	
Dichlorodifluoromethane	ug/L	<0.22	1.0	01/10/18 09:21	
Diisopropyl ether	ug/L	<0.50	1.0	01/10/18 09:21	
Ethylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

METHOD BLANK: 1637287 Matrix: Water
Associated Lab Samples: 40163226001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	01/10/18 09:21	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	01/10/18 09:21	
m&p-Xylene	ug/L	<1.0	2.0	01/10/18 09:21	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	01/10/18 09:21	
Methylene Chloride	ug/L	<0.23	1.0	01/10/18 09:21	
n-Butylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	
n-Propylbenzene	ug/L	<0.50	1.0	01/10/18 09:21	
Naphthalene	ug/L	<2.5	5.0	01/10/18 09:21	
o-Xylene	ug/L	<0.50	1.0	01/10/18 09:21	
p-Isopropyltoluene	ug/L	<0.50	1.0	01/10/18 09:21	
sec-Butylbenzene	ug/L	<2.2	5.0	01/10/18 09:21	
Styrene	ug/L	<0.50	1.0	01/10/18 09:21	
tert-Butylbenzene	ug/L	<0.18	1.0	01/10/18 09:21	
Tetrachloroethene	ug/L	<0.50	1.0	01/10/18 09:21	
Toluene	ug/L	<0.50	1.0	01/10/18 09:21	
trans-1,2-Dichloroethene	ug/L	0.29J	1.0	01/10/18 09:21	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	01/10/18 09:21	
Trichloroethene	ug/L	<0.33	1.0	01/10/18 09:21	
Trichlorofluoromethane	ug/L	<0.18	1.0	01/10/18 09:21	
Vinyl chloride	ug/L	<0.18	1.0	01/10/18 09:21	
4-Bromofluorobenzene (S)	%	99	61-130	01/10/18 09:21	
Dibromofluoromethane (S)	%	96	67-130	01/10/18 09:21	
Toluene-d8 (S)	%	98	70-130	01/10/18 09:21	

LABORATORY CONTROL SAMPLE: 1637288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	96	70-130	
1,1,2-Trichloroethane	ug/L	20	18.9	94	70-130	
1,1-Dichloroethane	ug/L	20	19.9	100	71-132	
1,1-Dichloroethene	ug/L	20	19.3	96	75-130	
1,2,4-Trichlorobenzene	ug/L	20	18.9	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.8	94	63-123	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	20	21.8	109	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-131	
1,2-Dichloropropane	ug/L	20	19.4	97	80-120	
1,3-Dichlorobenzene	ug/L	20	21.7	109	70-130	
1,4-Dichlorobenzene	ug/L	20	21.8	109	70-130	
Benzene	ug/L	20	19.2	96	73-145	
Bromodichloromethane	ug/L	20	19.0	95	70-130	
Bromoform	ug/L	20	18.7	94	67-130	
Bromomethane	ug/L	20	15.0	75	26-128	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

LABORATORY CONTROL SAMPLE: 1637288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	20	18.8	94	70-133	
Chlorobenzene	ug/L	20	21.1	105	70-130	
Chloroethane	ug/L	20	17.8	89	58-120	
Chloroform	ug/L	20	19.8	99	80-121	
Chloromethane	ug/L	20	15.5	77	40-127	
cis-1,2-Dichloroethene	ug/L	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.3	96	70-130	
Dibromochloromethane	ug/L	20	19.7	99	70-130	
Dichlorodifluoromethane	ug/L	20	13.6	68	20-135	
Ethylbenzene	ug/L	20	21.0	105	87-129	
Isopropylbenzene (Cumene)	ug/L	20	21.1	105	70-130	
m&p-Xylene	ug/L	40	42.4	106	70-130	
Methyl-tert-butyl ether	ug/L	20	19.1	95	66-143	
Methylene Chloride	ug/L	20	19.9	99	70-130	
o-Xylene	ug/L	20	20.7	103	70-130	
Styrene	ug/L	20	21.0	105	70-130	
Tetrachloroethene	ug/L	20	20.3	101	70-130	
Toluene	ug/L	20	20.0	100	82-130	
trans-1,2-Dichloroethene	ug/L	20	18.1	90	75-132	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	70-130	
Trichloroethene	ug/L	20	19.2	96	70-130	
Trichlorofluoromethane	ug/L	20	19.3	97	76-133	
Vinyl chloride	ug/L	20	18.5	93	57-136	
4-Bromofluorobenzene (S)	%			102	61-130	
Dibromofluoromethane (S)	%			95	67-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40163226

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40163226001	**MW-5**	EPA 8260	278797		

Pace Analytical®
www.pacelabs.com

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

Page 1 of 1

401632246

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	DAI
Branch/Location:	LAKE FOREST
Project Contact:	CHRIS CAILLES
Phone:	847 573 8900
Project Number:	6255
Project Name:	SUNRISE SENIOR LIVING CENTER
Project State:	WI
Sampled By (Print):	DAN JAHN / MARCUS
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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
Sl = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested	
					N	B	VOCs	
001	MW-5	1/5/18	1420	GW		X		3-40mL VB

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 #

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:
[signature]	1/8/18 1:43pm	[signature]	1/8/18 1343
[signature]	1/8/18 1700	CS Logistics	1/8/18
CS Logistics	1/9/18 0845	[signature]	1/9/18 0845

PACE Project No. 40163226

Receipt Temp = 1.5 °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 Condition Upon Receipt

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

Project #: **WO# : 40163226**

40163226

Client Name: DAI

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistics

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-4 **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: 1.5 **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☒ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 1/9/18
Initials: SSA

				Comments:
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
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	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☐Yes	☒No	☐N/A	8. No ms/msd vol SSA 1/9/18
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☒N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☐Yes	☒No	☐N/A	12. No collect time
-Includes date/time/ID/Analysis Matrix: SSA 1/9/18 SW				SSA 1/9/18
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☒N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes	☐No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	14.
Trip Blank Present:	☐Yes	☒No	☐N/A	15.
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:

Project Manager Review: Date: 1/9/18

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
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January 15, 2018

DAI Environmental
27834 N. Irma Lee Circle
Lake Forest, IL 60045
Telephone: (847) 573-8900
Fax: (847) 573-8953

Analytical Report for STAT Work Order: 18010129 Revision 0

RE: 6255, Sunrise Shopping Center, South Milwaukee, WI

Dear Chris Cailles:

STAT Analysis received 5 samples for the referenced project on 1/8/2018 4:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Frank Capoccia
Project Manager

STAT Analysis Corporation

Date: January 15, 2018

Client: DAI Environmental
Project: 6255, Sunrise Shopping Center, South Milwaukee, WI
Work Order: 18010129 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
18010129-001A	SS-201 (60229)		1/5/2018 10:17:00 AM	1/8/2018
18010129-002A	SS-202 (60262)		1/5/2018 10:20:00 AM	1/8/2018
18010129-003A	SS-203 (60344)		1/5/2018 10:10:00 AM	1/8/2018
18010129-004A	SS-204 (60223)		1/5/2018 10:40:00 AM	1/8/2018
18010129-005A	SS-Sump (60244)		1/5/2018 4:10:00 PM	1/8/2018

CLIENT: DAI Environmental
Project: 6255, Sunrise Shopping Center, South Milwaukee, WI
Work Order: 18010129 Revision 0

CASE NARRATIVE

TO-15 results that are reported in mg/m³ are calculated based on a temperature of 25°C, atmospheric pressure of 760 mm Hg, and the molecular weight of the analyte.

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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-201 (60229)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 10:17:00 AM
Lab ID: 18010129-001A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **1/9/2018**		Analyst: **PJH**
1,1,1-Trichloroethane	ND	0.0012		mg/m³	1	1/12/2018
1,1,2-Trichloroethane	ND	0.0012		mg/m³	1	1/12/2018
1,1-Dichloroethane	ND	0.00087		mg/m³	1	1/12/2018
1,1-Dichloroethene	ND	0.00085		mg/m³	1	1/12/2018
1,2,4-Trichlorobenzene	ND	0.0016		mg/m³	1	1/12/2018
1,2-Dibromoethane	ND	0.0016		mg/m³	1	1/12/2018
1,2-Dichlorobenzene	ND	0.0013		mg/m³	1	1/12/2018
1,2-Dichloroethane	ND	0.00087		mg/m³	1	1/12/2018
1,2-Dichloropropane	ND	0.00099		mg/m³	1	1/12/2018
1,4-Dichlorobenzene	ND	0.0013		mg/m³	1	1/12/2018
1,4-Dioxane	ND	0.0019		mg/m³	1	1/12/2018
2-Butanone	0.015	0.0016		mg/m³	1	1/12/2018
Acetone	0.089	0.064	*	mg/m³	25	1/12/2018
Benzene	0.0031	0.00068		mg/m³	1	1/12/2018
Bromodichloromethane	ND	0.0014		mg/m³	1	1/12/2018
Bromoform	ND	0.0055		mg/m³	1	1/12/2018
Bromomethane	ND	0.0021		mg/m³	1	1/12/2018
Carbon disulfide	0.0016	0.00067		mg/m³	1	1/12/2018
Carbon tetrachloride	ND	0.0013		mg/m³	1	1/12/2018
Chlorobenzene	ND	0.00099		mg/m³	1	1/12/2018
Chloroform	ND	0.0010		mg/m³	1	1/12/2018
cis-1,2-Dichloroethene	ND	0.00085		mg/m³	1	1/12/2018
cis-1,3-Dichloropropene	ND	0.00097		mg/m³	1	1/12/2018
Dibromochloromethane	ND	0.0018		mg/m³	1	1/12/2018
Dichlorodifluoromethane	ND	0.0011		mg/m³	1	1/12/2018
Ethylbenzene	0.0027	0.00093		mg/m³	1	1/12/2018
m,p-Xylene	0.0069	0.0019		mg/m³	1	1/12/2018
Methyl tert-butyl ether	ND	0.00077		mg/m³	1	1/12/2018
Methylene chloride	ND	0.0074		mg/m³	1	1/12/2018
Naphthalene	ND	0.0011		mg/m³	1	1/12/2018
o-Xylene	0.0031	0.00093		mg/m³	1	1/12/2018
Styrene	ND	0.00091		mg/m³	1	1/12/2018
Tetrachloroethene	0.017	0.0015		mg/m³	1	1/12/2018
Toluene	0.0087	0.00081		mg/m³	1	1/12/2018
trans-1,2-Dichloroethene	ND	0.00085		mg/m³	1	1/12/2018
trans-1,3-Dichloropropene	ND	0.00097		mg/m³	1	1/12/2018
Trichloroethene	ND	0.0012		mg/m³	1	1/12/2018
Trichlorofluoromethane	ND	0.0012		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-201 (60229)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 10:17:00 AM
Lab ID: 18010129-001A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **1/9/2018**		Analyst: **PJH**
Vinyl acetate	ND	0.0075		mg/m³	1	1/12/2018
Vinyl chloride	ND	0.00055		mg/m³	1	1/12/2018
Xylenes, Total	0.010	0.0028		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-202 (60262)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 10:20:00 AM
Lab ID: 18010129-002A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **1/9/2018**		Analyst: **PJH**
1,1,1-Trichloroethane	ND	0.0012		mg/m³	1	1/12/2018
1,1,2-Trichloroethane	ND	0.0012		mg/m³	1	1/12/2018
1,1-Dichloroethane	ND	0.00087		mg/m³	1	1/12/2018
1,1-Dichloroethene	ND	0.00085		mg/m³	1	1/12/2018
1,2,4-Trichlorobenzene	ND	0.0016		mg/m³	1	1/12/2018
1,2-Dibromoethane	ND	0.0016		mg/m³	1	1/12/2018
1,2-Dichlorobenzene	ND	0.0013		mg/m³	1	1/12/2018
1,2-Dichloroethane	ND	0.00087		mg/m³	1	1/12/2018
1,2-Dichloropropane	ND	0.00099		mg/m³	1	1/12/2018
1,4-Dichlorobenzene	ND	0.0013		mg/m³	1	1/12/2018
1,4-Dioxane	ND	0.0019		mg/m³	1	1/12/2018
2-Butanone	0.0036	0.0016		mg/m³	1	1/12/2018
Acetone	0.061	0.0051	*	mg/m³	1	1/12/2018
Benzene	0.0013	0.00068		mg/m³	1	1/12/2018
Bromodichloromethane	ND	0.0014		mg/m³	1	1/12/2018
Bromoform	ND	0.0055		mg/m³	1	1/12/2018
Bromomethane	ND	0.0021		mg/m³	1	1/12/2018
Carbon disulfide	0.00080	0.00067		mg/m³	1	1/12/2018
Carbon tetrachloride	ND	0.0013		mg/m³	1	1/12/2018
Chlorobenzene	ND	0.00098		mg/m³	1	1/12/2018
Chloroform	ND	0.0010		mg/m³	1	1/12/2018
cis-1,2-Dichloroethene	ND	0.00085		mg/m³	1	1/12/2018
cis-1,3-Dichloropropene	ND	0.00097		mg/m³	1	1/12/2018
Dibromochloromethane	ND	0.0018		mg/m³	1	1/12/2018
Dichlorodifluoromethane	0.0031	0.0011		mg/m³	1	1/12/2018
Ethylbenzene	0.0013	0.00093		mg/m³	1	1/12/2018
m,p-Xylene	0.0035	0.0019		mg/m³	1	1/12/2018
Methyl tert-butyl ether	ND	0.00077		mg/m³	1	1/12/2018
Methylene chloride	ND	0.0074		mg/m³	1	1/12/2018
Naphthalene	ND	0.0011		mg/m³	1	1/12/2018
o-Xylene	0.0014	0.00093		mg/m³	1	1/12/2018
Styrene	ND	0.00091		mg/m³	1	1/12/2018
Tetrachloroethene	0.018	0.0015		mg/m³	1	1/12/2018
Toluene	0.0047	0.00081		mg/m³	1	1/12/2018
trans-1,2-Dichloroethene	ND	0.00085		mg/m³	1	1/12/2018
trans-1,3-Dichloropropene	ND	0.00097		mg/m³	1	1/12/2018
Trichloroethene	ND	0.0011		mg/m³	1	1/12/2018
Trichlorofluoromethane	ND	0.0012		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-202 (60262)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 10:20:00 AM
Lab ID: 18010129-002A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **1/9/2018**		Analyst: **PJH**
Vinyl acetate	ND	0.0075		mg/m³	1	1/12/2018
Vinyl chloride	ND	0.00055		mg/m³	1	1/12/2018
Xylenes, Total	0.0049	0.0028		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-203 (60344)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 10:10:00 AM
Lab ID: 18010129-003A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **1/9/2018**		Analyst: **PJH**
1,1,1-Trichloroethane	ND	0.0012		mg/m³	1	1/12/2018
1,1,2-Trichloroethane	ND	0.0012		mg/m³	1	1/12/2018
1,1-Dichloroethane	ND	0.00089		mg/m³	1	1/12/2018
1,1-Dichloroethene	ND	0.00087		mg/m³	1	1/12/2018
1,2,4-Trichlorobenzene	ND	0.0016		mg/m³	1	1/12/2018
1,2-Dibromoethane	ND	0.0017		mg/m³	1	1/12/2018
1,2-Dichlorobenzene	ND	0.0013		mg/m³	1	1/12/2018
1,2-Dichloroethane	ND	0.00089		mg/m³	1	1/12/2018
1,2-Dichloropropane	ND	0.0010		mg/m³	1	1/12/2018
1,4-Dichlorobenzene	ND	0.0013		mg/m³	1	1/12/2018
1,4-Dioxane	ND	0.0020		mg/m³	1	1/12/2018
2-Butanone	0.0097	0.0016		mg/m³	1	1/12/2018
Acetone	0.19	0.065	*	mg/m³	25	1/12/2018
Benzene	0.0022	0.00070		mg/m³	1	1/12/2018
Bromodichloromethane	ND	0.0015		mg/m³	1	1/12/2018
Bromoform	ND	0.0057		mg/m³	1	1/12/2018
Bromomethane	ND	0.0021		mg/m³	1	1/12/2018
Carbon disulfide	ND	0.00068		mg/m³	1	1/12/2018
Carbon tetrachloride	ND	0.0014		mg/m³	1	1/12/2018
Chlorobenzene	ND	0.0010		mg/m³	1	1/12/2018
Chloroform	ND	0.0011		mg/m³	1	1/12/2018
cis-1,2-Dichloroethene	ND	0.00087		mg/m³	1	1/12/2018
cis-1,3-Dichloropropene	ND	0.0010		mg/m³	1	1/12/2018
Dibromochloromethane	ND	0.0019		mg/m³	1	1/12/2018
Dichlorodifluoromethane	0.0021	0.0011		mg/m³	1	1/12/2018
Ethylbenzene	0.0022	0.00095		mg/m³	1	1/12/2018
m,p-Xylene	0.0077	0.0019		mg/m³	1	1/12/2018
Methyl tert-butyl ether	ND	0.00079		mg/m³	1	1/12/2018
Methylene chloride	ND	0.0076		mg/m³	1	1/12/2018
Naphthalene	ND	0.0011		mg/m³	1	1/12/2018
o-Xylene	0.0041	0.00095		mg/m³	1	1/12/2018
Styrene	ND	0.00093		mg/m³	1	1/12/2018
Tetrachloroethene	0.032	0.0015		mg/m³	1	1/12/2018
Toluene	0.0067	0.00083		mg/m³	1	1/12/2018
trans-1,2-Dichloroethene	ND	0.00087		mg/m³	1	1/12/2018
trans-1,3-Dichloropropene	ND	0.0010		mg/m³	1	1/12/2018
Trichloroethene	ND	0.0012		mg/m³	1	1/12/2018
Trichlorofluoromethane	ND	0.0012		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-203 (60344)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 10:10:00 AM
Lab ID: 18010129-003A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **1/9/2018**		Analyst: **PJH**
Vinyl acetate	ND	0.0077		mg/m³	1	1/12/2018
Vinyl chloride	ND	0.00056		mg/m³	1	1/12/2018
Xylenes, Total	0.012	0.0029		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-204 (60223)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 10:40:00 AM
Lab ID: 18010129-004A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **1/9/2018**		Analyst: **PJH**
1,1,1-Trichloroethane	ND	0.0013		mg/m³	1	1/12/2018
1,1,2-Trichloroethane	ND	0.0013		mg/m³	1	1/12/2018
1,1-Dichloroethane	ND	0.00095		mg/m³	1	1/12/2018
1,1-Dichloroethene	ND	0.00093		mg/m³	1	1/12/2018
1,2,4-Trichlorobenzene	ND	0.0017		mg/m³	1	1/12/2018
1,2-Dibromoethane	ND	0.0018		mg/m³	1	1/12/2018
1,2-Dichlorobenzene	ND	0.0014		mg/m³	1	1/12/2018
1,2-Dichloroethane	ND	0.00095		mg/m³	1	1/12/2018
1,2-Dichloropropane	ND	0.0011		mg/m³	1	1/12/2018
1,4-Dichlorobenzene	ND	0.0014		mg/m³	1	1/12/2018
1,4-Dioxane	ND	0.0021		mg/m³	1	1/12/2018
2-Butanone	0.0099	0.0017		mg/m³	1	1/12/2018
Acetone	0.12	0.0056	*	mg/m³	1	1/12/2018
Benzene	0.0023	0.00075		mg/m³	1	1/12/2018
Bromodichloromethane	ND	0.0016		mg/m³	1	1/12/2018
Bromoform	ND	0.0061		mg/m³	1	1/12/2018
Bromomethane	ND	0.0023		mg/m³	1	1/12/2018
Carbon disulfide	ND	0.00073		mg/m³	1	1/12/2018
Carbon tetrachloride	ND	0.0015		mg/m³	1	1/12/2018
Chlorobenzene	ND	0.0011		mg/m³	1	1/12/2018
Chloroform	ND	0.0012		mg/m³	1	1/12/2018
cis-1,2-Dichloroethene	ND	0.00093		mg/m³	1	1/12/2018
cis-1,3-Dichloropropene	ND	0.0011		mg/m³	1	1/12/2018
Dibromochloromethane	ND	0.0020		mg/m³	1	1/12/2018
Dichlorodifluoromethane	0.0031	0.0012		mg/m³	1	1/12/2018
Ethylbenzene	0.0028	0.0010		mg/m³	1	1/12/2018
m,p-Xylene	0.0053	0.0020		mg/m³	1	1/12/2018
Methyl tert-butyl ether	ND	0.00085		mg/m³	1	1/12/2018
Methylene chloride	ND	0.0082		mg/m³	1	1/12/2018
Naphthalene	0.012	0.0012		mg/m³	1	1/12/2018
o-Xylene	0.0023	0.0010		mg/m³	1	1/12/2018
Styrene	ND	0.0010		mg/m³	1	1/12/2018
Tetrachloroethene	0.12	0.0016		mg/m³	1	1/12/2018
Toluene	0.033	0.00089		mg/m³	1	1/12/2018
trans-1,2-Dichloroethene	ND	0.00093		mg/m³	1	1/12/2018
trans-1,3-Dichloropropene	ND	0.0011		mg/m³	1	1/12/2018
Trichloroethene	ND	0.0013		mg/m³	1	1/12/2018
Trichlorofluoromethane	ND	0.0013		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-204 (60223)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 10:40:00 AM
Lab ID: 18010129-004A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS **TO-15**				Prep Date: **1/9/2018**		Analyst: **PJH**
Vinyl acetate	ND	0.0083		mg/m³	1	1/12/2018
Vinyl chloride	ND	0.00060		mg/m³	1	1/12/2018
Xylenes, Total	0.0075	0.0031		mg/m³	1	1/12/2018

Qualifiers:
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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-Sump (60244)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 4:10:00 PM
Lab ID: 18010129-005A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **1/9/2018**		Analyst: **PJH**
1,1,1-Trichloroethane	ND	0.0011		mg/m³	1	1/12/2018
1,1,2-Trichloroethane	ND	0.0011		mg/m³	1	1/12/2018
1,1-Dichloroethane	ND	0.00085		mg/m³	1	1/12/2018
1,1-Dichloroethene	ND	0.00083		mg/m³	1	1/12/2018
1,2,4-Trichlorobenzene	ND	0.0016		mg/m³	1	1/12/2018
1,2-Dibromoethane	ND	0.0016		mg/m³	1	1/12/2018
1,2-Dichlorobenzene	ND	0.0013		mg/m³	1	1/12/2018
1,2-Dichloroethane	ND	0.00085		mg/m³	1	1/12/2018
1,2-Dichloropropane	ND	0.00097		mg/m³	1	1/12/2018
1,4-Dichlorobenzene	ND	0.0013		mg/m³	1	1/12/2018
1,4-Dioxane	ND	0.0019		mg/m³	1	1/12/2018
2-Butanone	ND	0.0015		mg/m³	1	1/12/2018
Acetone	ND	0.0050	*	mg/m³	1	1/12/2018
Benzene	ND	0.00067		mg/m³	1	1/12/2018
Bromodichloromethane	ND	0.0014		mg/m³	1	1/12/2018
Bromoform	ND	0.0054		mg/m³	1	1/12/2018
Bromomethane	ND	0.0020		mg/m³	1	1/12/2018
Carbon disulfide	ND	0.00065		mg/m³	1	1/12/2018
Carbon tetrachloride	ND	0.0013		mg/m³	1	1/12/2018
Chlorobenzene	ND	0.00096		mg/m³	1	1/12/2018
Chloroform	ND	0.0010		mg/m³	1	1/12/2018
cis-1,2-Dichloroethene	ND	0.00083		mg/m³	1	1/12/2018
cis-1,3-Dichloropropene	ND	0.00095		mg/m³	1	1/12/2018
Dibromochloromethane	ND	0.0018		mg/m³	1	1/12/2018
Dichlorodifluoromethane	0.0016	0.0010		mg/m³	1	1/12/2018
Ethylbenzene	ND	0.00091		mg/m³	1	1/12/2018
m,p-Xylene	ND	0.0018		mg/m³	1	1/12/2018
Methyl tert-butyl ether	ND	0.00075		mg/m³	1	1/12/2018
Methylene chloride	ND	0.0073		mg/m³	1	1/12/2018
Naphthalene	ND	0.0011		mg/m³	1	1/12/2018
o-Xylene	ND	0.00091		mg/m³	1	1/12/2018
Styrene	ND	0.00089		mg/m³	1	1/12/2018
Tetrachloroethene	0.073	0.0014		mg/m³	1	1/12/2018
Toluene	ND	0.00079		mg/m³	1	1/12/2018
trans-1,2-Dichloroethene	ND	0.00083		mg/m³	1	1/12/2018
trans-1,3-Dichloropropene	ND	0.00095		mg/m³	1	1/12/2018
Trichloroethene	ND	0.0011		mg/m³	1	1/12/2018
Trichlorofluoromethane	ND	0.0012		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Report Date: January 15, 2018
Print Date: January 15, 2018

ANALYTICAL RESULTS

Client: DAI Environmental
Client Sample ID: SS-Sump (60244)
Work Order: 18010129 Revision 0
Tag Number:
Project: 6255, Sunrise Shopping Center, South Milwaukee,
Collection Date: 1/5/2018 4:10:00 PM
Lab ID: 18010129-005A
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **1/9/2018**		Analyst: **PJH**
Vinyl acetate	ND	0.0074		mg/m³	1	1/12/2018
Vinyl chloride	ND	0.00053		mg/m³	1	1/12/2018
Xylenes, Total	ND	0.0027		mg/m³	1	1/12/2018

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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RL - Reporting / Quantitation Limit for the analysis
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e-mail address: STATinfo@STATAnalysis.com ***AIHA, NVLAP and NELAP accredited***

CHAIN OF CUSTODY RECORD

N°: 857151 **Page : 1 of 1**

Company: DAI
Project Number: ~~6255~~ 6255 Client Tracking No.:
Project Name: SUNRISE SHELTER CENTER
Project Location: SOUTH MILWAUKEE, WI
Sampler(s): DAN TRIEN / MARIUS GRESCHNER
Report To: CHRIS CAILLES Phone: 847 573 8900
Fax:
e-mail: CAILLES@DAIENV.com
QC Level: 1 2 3 4

P.O. No.:
Quote No.:

TCLP VOCs

Turn Around: STD

Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Remarks	Lab No.:
SS-201 (602229)	1/5/18	0937-1017	SL	X			1	1:30 F: 2	001
SS-202 (602202)		0937-1020		X				30 2.5	002
SS-203 (602344)		0940-1018		X				30 2.5	003
SS-204 (602223)		1000-1010		X				27.5 1.5	004
SS-SUMP (602244)	↓	1010	↓		X		↓	— —	005

Relinquished by: (Signature) Date/Time: 1/8/18/1347
Received by: (Signature) Date/Time: 1/8/18 13:47
Relinquished by: (Signature) Date/Time: 1/8/18 16:00
Received by: (Signature) Date/Time: 1/8/18 16:00
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments: I: INITIAL VAC. READING
F: FINAL VAC READING
(CAN ID #)

Preservation Code: A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: 1801029

Received on Ice: Yes ☐ No ☒

Temperature: Ambient °C

STAT Analysis Corporation

Sample Receipt Checklist

Client Name DAI | Date and Time Received: 1/8/2018 4:00:00 PM

Work Order Number 18010129 | Received by: CRG

Checklist completed by: _____ 1/8/18 (Signature / Date) | Reviewed by: MK 1/8/18 (Initials / Date)

Matrix: | Carrier name STAT Analysis

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments: _____

Client / Person contacted: _____ Date contacted: _____ Contacted by: _____

Response: _____

APPENDIX G
NOTIFICATION TO OWNER OF AFFECTED PROPERTY

Section B: ROW Notification: Residual Contamination and/or Continuing Obligations - Non-DOT ROWs

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

1400 Douglas Street, STOP 1030
Omaha, NE, 68179

Dear Ms. Gearhart:

I am providing this notification to inform you of the location and extent of contamination remaining in a right-of-way for which you are responsible, and of certain long-term responsibilities (continuing obligations) for which railroad of Union Pacific may become responsible. I investigated a release of: Perchloroethylene from a former dry cleaner historically located on 2410-2424 10th Ave & 1009 Marquette Ave , South Milwaukee, WI, 53172 that has shown that contamination has migrated into the right-of-way for which railroad of Union Pacific is responsible. I have responded to the release, and will be requesting that the Department of Natural Resources (DNR) grant case closure. Closure means that the DNR will not be requiring any further investigation or cleanup action to be taken. However, continuing obligations may be imposed as a condition of closure approval.

You have 30 days to comment on the proposed closure request:

The DNR will not review my closure request for at least 30 days after the date of this letter. As an affected right-of-way holder, you have a right to contact the DNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the DNR that is relevant to this closure request, you should mail that information to the DNRcontact: 2300 North Martin Luther King Drive, Milwaukee, WI, 53212, or at Riley.Neumann@wisconsin.gov.

Residual Contamination:

Groundwater Contamination:

Groundwater contamination originated at the property located at: 2410-2424 10th Ave & 1009 Marquette Ave , South Milwaukee, WI, 53172 .
The levels of estimated Perchloroethylene (see Figure 1) contamination in the groundwater on your property are above the state groundwater enforcement standards found in ch. NR 140, Wis. Adm. Code.

If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If you or any other person plan to conduct utility or building construction for which dewatering will be necessary, you or that person must contact the DNR's Water Quality Program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at http://dnr.wi.gov/topic/wastewater/GeneralPermits.html.

Continuing Obligations on the Right-of-Way (ROW) : As part of the response actions, I am proposing that the following continuing obligations be used at the affected ROW. If my closure request is approved, you will be responsible for the following continuing obligations:

GIS Registry and Well Construction Requirements:

If this site is closed, all properties within the site boundaries where contamination remains, or where a continuing obligation is applied, will be listed on the Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web, at http://dnr.wi.gov/topic/Brownfields/clean.html. Inclusion on this database provides public notice of remaining contamination and of any continuing obligations. Documents can be viewed on this database, and include final closure letters, site maps and any applicable maintenance plans. The location of the site may also be viewed on the Remediation and Redevelopment Sites Map (RR Sites Map), on the "GIS Registry" layer, at the same internet address listed above.

DNR approval prior to well construction or reconstruction is required for all sites included in the GIS Registry, in accordance with s. NR 812.09 (4) (w), Wis. Adm. Code. This requirement applies to private drinking water wells and high capacity wells. Special well construction standards may be necessary to protect the well from the remaining contamination. Well drillers need to first obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300−254, is on the internet at http://dnr.wi.gov/topic/wells/documents/3300254.pdf.

If you have any questions regarding this notification, I can be reached at: (847) 573-8900
cailles@daienv.com

Signature of responsible party/environmental consultant for the responsible party	Date Signed
Christopher Cailles	2/28/18

Attachments

Contact Information

Legal Description for each Parcel:

The affected property is:

- ○ the source property (the source of the hazardous substance discharge), but the property is not owned by the person who conducted the cleanup (a deeded property)
- ○ a deeded property affected by contamination from the source property
- ◉ a right-of-way (ROW)
- ○ a Department of Transportation (DOT) ROW

Include this completed page as an attachment with all notifications provided under sections A and B.

Contact Information

Responsible Party: The person responsible for sending this form, and for conducting the environmental investigation and cleanup is:

Responsible Party Name: Carol Investment Corporation

Contact Person Last Name	First	MI	Phone Number (include area code)
Dukatt	Steven		(773) 227-6500

Address	City	State	ZIP Code
1410 South Clinton Street	Chicago	IL	60607

E-mail: awgreen1410@sbcglobal.com

Name of Party Receiving Notification:

Business Name, if applicable: Union Pacific Railroad

Title	Last Name	First	MI	Phone Number (include area code)
Ms.	Gearhart	Kelly		(402) 544-4155

Address	City	State	ZIP Code
1400 Douglas Street, STOP 1030	Omaha	NE	68179

Site Name and Source Property Information:

Site (Activity) Name: Sunrise Shopping Center

Address	City	State	ZIP Code
2410-2424 10th Ave & 1009 Marquette Ave	South Milwaukee	WI	53172

DNR ID # (BRRTS#)	(DATCP) ID #
02-41-576336	

Contacts for Questions:

If you have any questions regarding the cleanup or about this notification, please contact the Responsible Party identified above, or contact:

Environmental Consultant: DAI Environmental, Inc.

Contact Person Last Name	First	MI	Phone Number (include area code)
Rovzar	Jennifer		(847) 573-8900

Address	City	State	ZIP Code
27834 North Irma Lee Circle	Lake Forest	IL	60045

E-mail: rovzar@daienv.com

Department Contact:

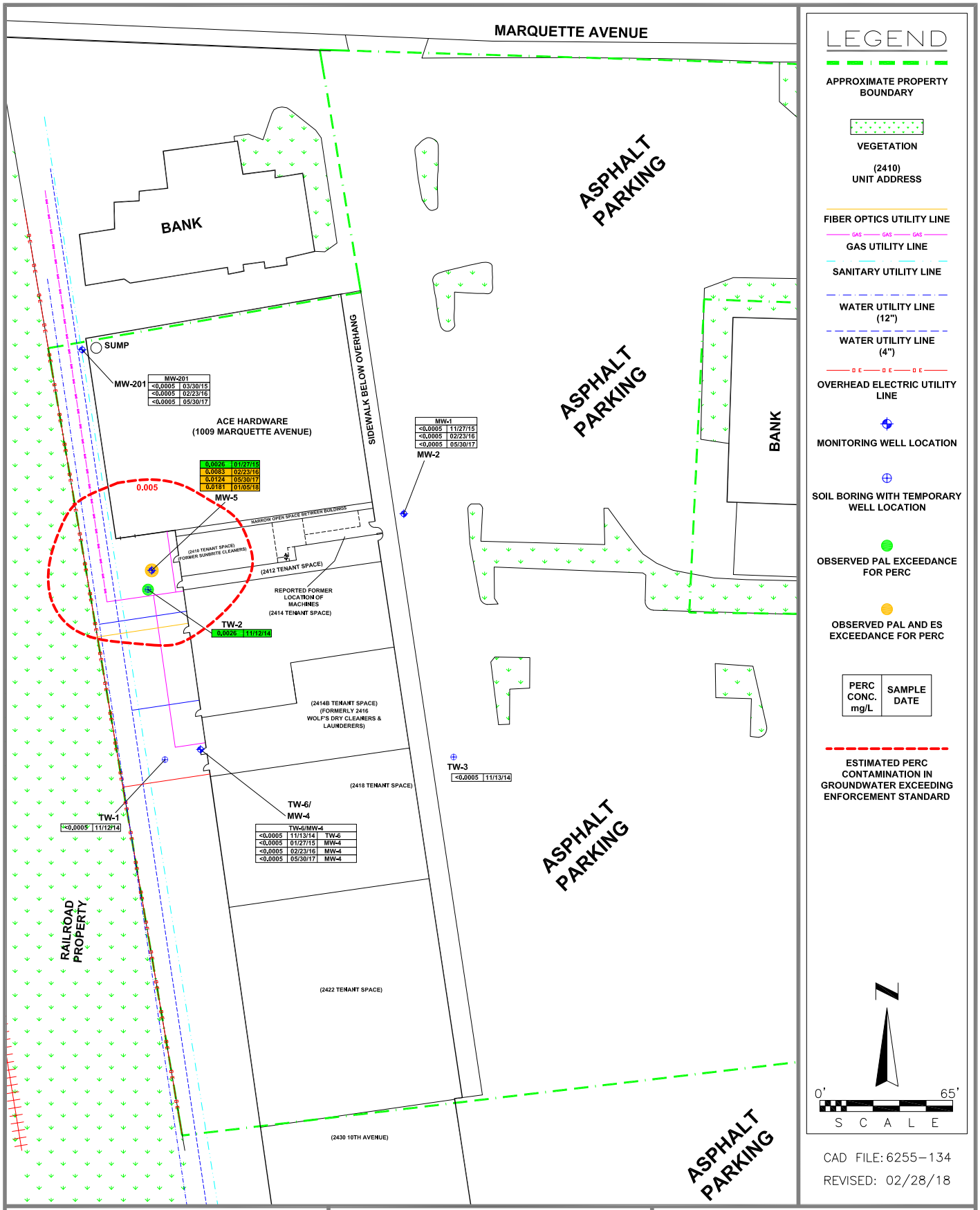
To review the Department's case file, or for questions on cleanups or closure requirements, contact:

Department of: Natural Resources (DNR)

Address	City	State	ZIP Code
2300 North Martin Luther King Drive	Milwaukee	WI	53212

Contact Person Last Name	First	MI	Phone Number (include area code)
Neumann	Riley		(414) 263-8699

E-mail (Firstname.Lastname@wisconsin.gov): Riley.Neumann@wisconsin.gov



CAD FILE: 6255-134

REVISED: 02/28/18

ENVIRONMENTAL

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

FIGURE 1
ESTIMATED EXTENT OF PERC GROUNDWATER CONTAMINATION

Shipping Tracking Printing Services Locations Support Sign In

IMPORTANT!
FedEx is closely monitoring the winter storms across the U.S. Learn More

FedEx® Tracking

771635492369

Ship date:		Actual delivery:
Wed 2/28/2018		**Fri 3/02/2018 9:14 am**
Lake Forest, IL US	**Delivered** *Signed for by: K.TEGTMEIER*	OMAHA, NE US

Travel History

Date/Time	Activity	Location
- 3/02/2018 - Friday		
9:14 am	Delivered	OMAHA, NE
8:01 am	On FedEx vehicle for delivery	OMAHA, NE
7:05 am	At local FedEx facility	OMAHA, NE
5:52 am	At destination sort facility	OMAHA, NE
4:24 am	Departed FedEx location	MEMPHIS, TN
- 3/01/2018 - Thursday		
10:34 am	Arrived at FedEx location	MEMPHIS, TN
- 2/28/2018 - Wednesday		
5:46 pm	Picked up	WAUKEGAN, IL
10:45 am	Shipment information sent to FedEx	

Shipment Facts

Tracking Number	771635492369	**Service**	FedEx 2Day
Weight	0.5 lbs / 0.23 kgs	**Delivered To**	Mailroom
Total pieces	1	**Total shipment weight**	0.5 lbs / 0.23 kgs
Terms	Shipper	**Shipper reference**	6255 (off-site)
Packaging	FedEx Envelope	**Special handling section**	Deliver Weekday
Standard transit	3/02/2018 by 4:30 pm		