

**From:** McIlheran, Adam S - DNR  
**Sent:** Monday, July 12, 2021 9:46 AM  
**To:** Dorman, Jennifer S - DNR  
**Cc:** Kaelin, Matthew N - DNR  
**Subject:** FW: SIR review status, Clare Central, BRRTS 02-41-549867  
**Attachments:** Table 5 - GW Elevations.pdf; Figure 6 - TCE Groundwater Exceedance August 2019.pdf; Figure 7 - Geologic Cross Section A-A'.pdf; Figure 8 - Geologic Cross Section B-B'.pdf; Table 1 - Soil Analytical Results.pdf; Figure 3 - TCE 0-4.pdf; Figure 4 - TCE 4-8.pdf; Figure 5 - TCE 8-12'.pdf; All\_Attachments().pdf(8)

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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Adam McIlheran

Phone: (414) 207-2179

[Adam.McIlheran@wisconsin.gov](mailto:Adam.McIlheran@wisconsin.gov)

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**From:** McIlheran, Adam S - DNR  
**Sent:** Monday, July 12, 2021 9:05 AM  
**To:** Jorgensen, Theadora O - DNR ([Theadora.Jorgensen@wisconsin.gov](mailto:Theadora.Jorgensen@wisconsin.gov))  
<[Theadora.Jorgensen@wisconsin.gov](mailto:Theadora.Jorgensen@wisconsin.gov)>  
**Subject:** FW: SIR review status, Clare Central, BRRTS 02-41-549867

Thea,

Please upload the email below and the attachments as a 99 for Clare Central, " SIR corrections/updates". The SIR is not yet complete.

Thanks,

Adam

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Adam McIlheran

Phone: (414) 207-2179

[Adam.McIlheran@wisconsin.gov](mailto:Adam.McIlheran@wisconsin.gov)

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**From:** Heidi Woelfel <[Heidi.Woelfel@gza.com](mailto:Heidi.Woelfel@gza.com)>  
**Sent:** Thursday, July 8, 2021 2:26 PM

**To:** McIlheran, Adam S - DNR <[Adam.McIlheran@wisconsin.gov](mailto:Adam.McIlheran@wisconsin.gov)>

**Cc:** James Drought <[James.Drought@gza.com](mailto:James.Drought@gza.com)>

**Subject:** Re: SIR review status, Clare Central, BRRTS 02-41-549867

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Hi Adam,

In response to your recent request for administrative and figure updates for the SIR, which was prepared and submitted by GZA to the WDNR on March 21, 2021 and updated information on June 11, 2021, we have updated the tables and figures for the report. Attached you find the following:

- Table 1 – Soil Analytical Table with highlighted Direct Contact exceedances for all depths
- Table 5 – Groundwater Elevations has been updated.
- Figures 3, 4 and 5 have been updated to show the soil TCE contours (TCE is the driver compound for the Site) for the 3 depth intervals.
- Figure 6 – Groundwater Exceedance August 2019 has been updated to show the contours for TCE and Vinyl Chloride.
- Figure 7 Geologic Cross Section A-A' and Figure 8 Geologic Cross Section B-B' have been updated to show the soil direct contact and soil to groundwater RCL line for TCE; TCE is the driver compound of concern for the Site.

Additionally, the vapor sample collection from the 11<sup>th</sup> Street manhole is scheduled to be completed in July, and a separate transmittal from GZA will present the findings from that sampling. Further, the RAP will incorporate the data from the sewer sample and will address the pressure field testing for the SSDS systems for each building as well as resampling of ambient air for each building following the remedial activities. The RAP will also present information on which wells will be abandoned due to the remedial activities and which ones will be reinstalled or if new wells will be advanced.

We trust this information will meet your needs. Please let me know if you have any questions on the updates.

Thank you,  
Heidi

**From:** McIlheran, Adam S - DNR <[Adam.McIlheran@wisconsin.gov](mailto:Adam.McIlheran@wisconsin.gov)>

**Sent:** Monday, June 28, 2021 3:26 PM

**To:** James Drought <[James.Drought@gza.com](mailto:James.Drought@gza.com)>

**Cc:** Heidi Woelfel <[Heidi.Woelfel@gza.com](mailto:Heidi.Woelfel@gza.com)>

**Subject:** SIR review status, Clare Central, BRRTS 02-41-549867

Jim & Heidi,

We have reviewed the Clare Central SIR, there are a few items which need to be addressed before the SIR would be considered complete. The RAOR was not able to be reviewed yet but is scheduled for early July. However the revisions to the figures and tables indicated below are needed before that time so that the RAOR can be adequately evaluated. A couple of the items are RAOR-related, but it would be helpful if we had that information prior to our review meeting.

Soil:

1. The soil data table should highlight the Direct Contact RCL exceedances (and all other RCLs) no matter what depth the samples were collected. As long as the depth of the samples are also indicated on the table it can be ascertained if the DCRCL applies for that given sample.
2. The Cross-sections should be revised to show TCE sample depths and concentrations, with direct contact and groundwater RCL lines for all impacts shown, taking into account all available soil data. The vertical elevations should be in MSL. Accurate cross-sections are important not only for completion of SIR but also for review of appropriate proposed remedial actions.
3. Soil contamination figures for CVOCs at 0-4', 4-8', and 8-12' need to show more refinement of contours between ND or RCL and the next highest contour (10,000 ppb on Figures 6 & 7). If RCL is a contour, identify if it is for a particular CVOC or all listed in the boxes. If a sample was collected sample concentration is ND for a particular location and depth, indicate that next to the sample location on the appropriate figure instead of listing on side of figure.

Groundwater:

1. The groundwater elevation summary table should have an explanation for the question marks and have all elevations in MSL so comparisons can be made, or an explanation why this is not done.
2. The groundwater impact figure (or figures) should show all locations with ES exceedances, including vinyl chloride at MW-2.

Vapor:

1. A vapor sample should be collected from the sewer manhole in N 11<sup>th</sup> St. that is west of the alley catch basin which the catch basin is connected and the sample analyzed for contaminants of concern. This is to provide data regarding any CVOC vapor migration from the catch basin area through the sewer line to any nearby residences. Refer to DNR guidance [RR-649](#) regarding manhole vapor sampling method.
2. Current vapor guidance states pressure field extension testing of SSDSs should have at least two rounds of data collection, it appears the systems operating have had only one. This work, along with indoor air sampling should be planned to be included in the RAP with a description of the work.

The above soil and groundwater table/figure updates will need to be submitted prior to RAOR review. The below information could also be submitted prior to RAOR review, to the extent of details which are possible at this time:

1. Since the planned excavation area is known, state which monitoring wells will be abandoned and the estimated locations of the replacement wells. It is noted that temporary monitoring well data indicated groundwater impacts south of the 1033 building. A replacement well should be considered in this area. Likely this could be accomplished best in conjunction with soil remediation.
2. It appears indoor air sampling post-excavation should be planned, but it wasn't clear if this was the case. A plan could be included in the RAP with a description of the work.

I think this is all that is needed now prior to RAOR review. If you have any questions on the requested information let me know.

Regards,

Adam

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**Adam McIlheran**

Hydrogeologist – Remediation & Redevelopment Program

Wisconsin Department of Natural Resources

Southeast Region, Milwaukee Service Center

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Milwaukee, WI 53212

Phone: (414) 207-2179

[Adam.McIlheran@wisconsin.gov](mailto:Adam.McIlheran@wisconsin.gov)



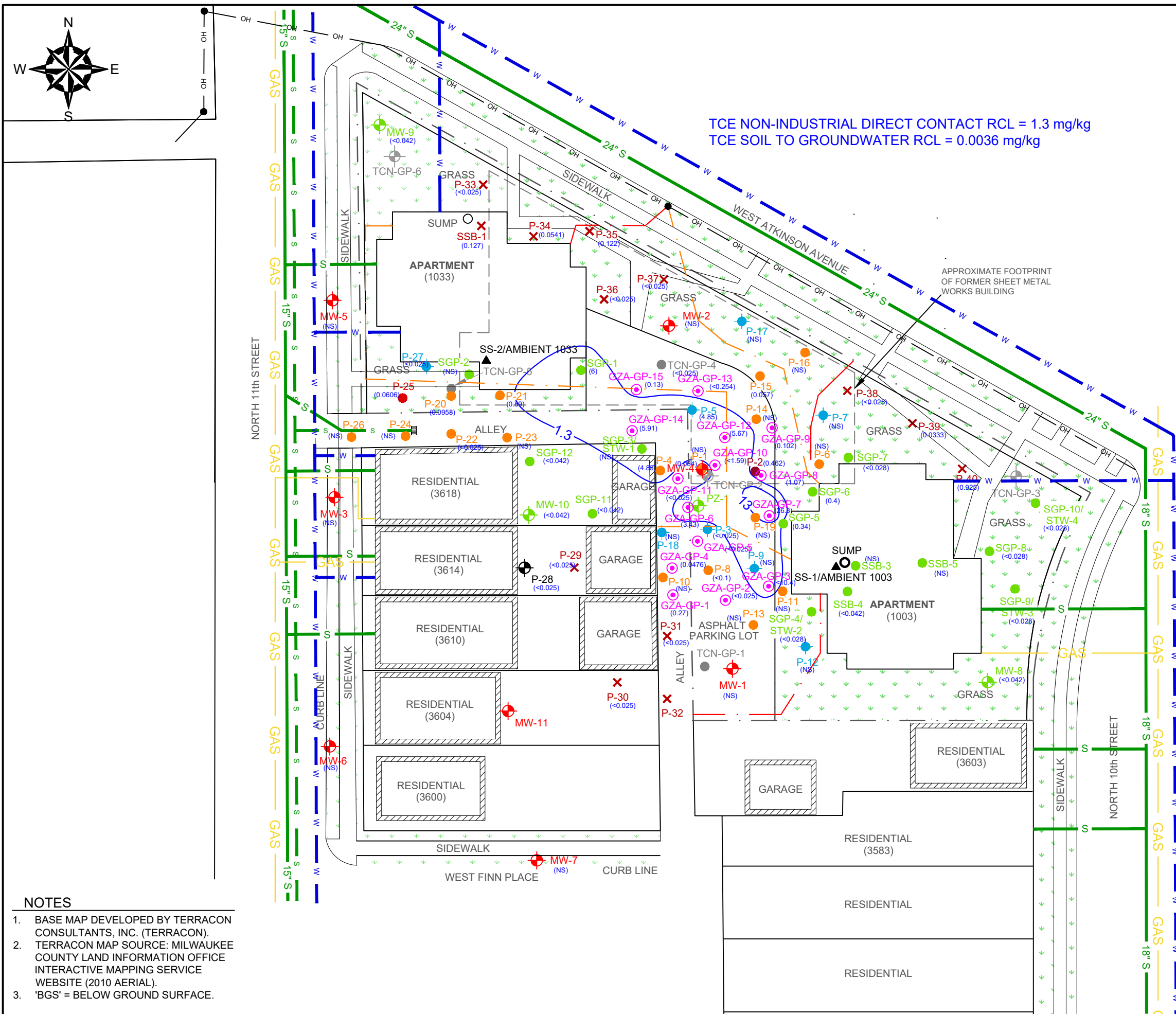
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©2019 - GZA GeoEnvironmental, Inc. GZA-J:\15600010156999\156038 CLARE CENTRAL APTS\FIGURES\CAD\BASE MAP-KMH.DWG FIG 3 - TCE 0-4-KMH JULY 8, 2021 PAMELA REHBEIN



TCE NON-INDUSTRIAL DIRECT CONTACT RCL = 1.3 mg/kg  
 TCE SOIL TO GROUNDWATER RCL = 0.0036 mg/kg

**ISOCONCENTRATION LEGEND**

0.5 TRICHLOROETHYLENE (TCE) ISOCONCENTRATION CONTOUR, mg/kg  
 NOTE: PZ-1 WAS NOT USED FOR ISOCONCENTRATION CONTOURS.

**LEGEND**

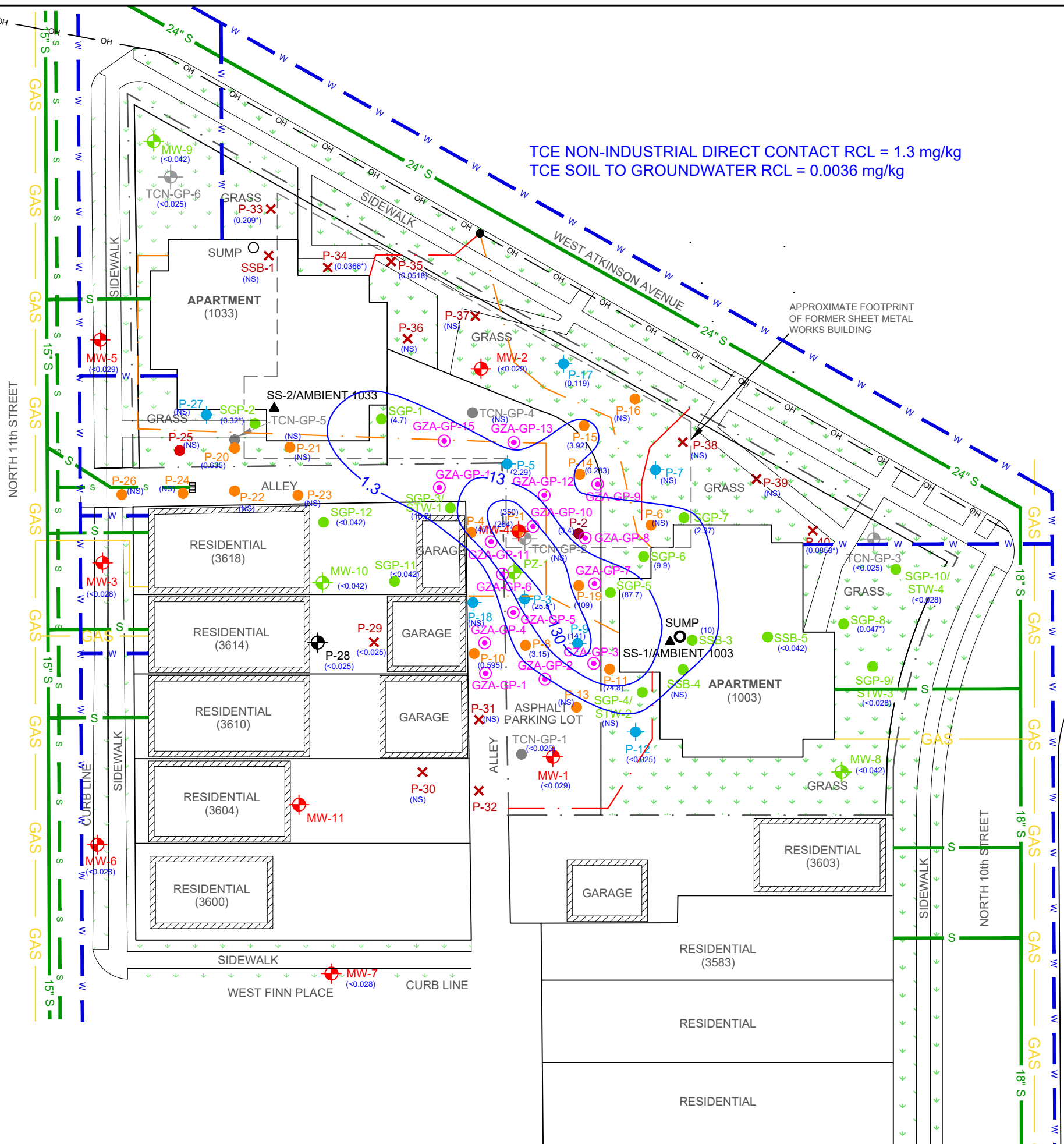
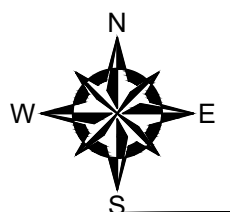
- APPROXIMATE SITE BOUNDARY
- ELECTRIC (WE ENERGIES)
- COMMUNICATION (AT & T)
- GAS GAS LINE
- OH OH OVERHEAD LINES
- W WATER LINE
- S SEWER LINE
- 15" S 15" COMBINED SEWER LINE
- 18" S 18" COMBINED SEWER LINE
- 24" S 24" COMBINED SEWER LINE
- SOIL & GROUNDWATER PROBE LOCATION (TERRACON, AUGUST 16, 2006)
- SOIL PROBE LOCATION (TERRACON, AUGUST 16, 2006)
- GROUNDWATER MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION (20 FEET BGS)
- GEOPROBE BORING LOCATION (20 FEET BGS) WITH TEMPORARY WELL
- GEOPROBE BORING LOCATION (35 FEET BGS)
- SUB SLAB VAPOR MONITORING POINT (FEBRUARY 11, 2011)
- SOIL BORING LOCATION (TERRACON, JUNE 23, 2016)
- GROUNDWATER TEMPORARY/ MONITORING WELL LOCATION (TERRACON, JUNE 23, 2016)
- GROUNDWATER MONITORING WELL/ PIEZOMETER LOCATION (SIGMA)
- GEOPROBE BORING LOCATION (SIGMA)
- 2020 SOIL BORINGS INSTALLED BY GZA

- NOTES**
1. BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  2. TERRACON MAP SOURCE: MILWAUKEE COUNTY LAND INFORMATION OFFICE INTERACTIVE MAPPING SERVICE WEBSITE (2010 AERIAL).
  3. 'BGS' = BELOW GROUND SURFACE.

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<b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN			
<b>TCE SOIL DISTRIBUTION 0 TO 4 FEET</b>			
PREPARED BY: <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: AXLEY BRYNELSON, LLP	
PROJ MGR: HAW	REVIEWED BY: JFD	CHECKED BY: JULP	FIG
DESIGNED BY: MJS	DRAWN BY: MJS	SCALE: 1" = 40'	<b>3</b>
DATE: 7/8/2021	PROJECT NO. 20.0156038.01	REVISION NO.	
			SHEET NO. 2 OF 12



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**ISOCONCENTRATION LEGEND**

0.5 TRICHLOROETHYLENE (TCE) ISOCONCENTRATION CONTOUR, mg/kg  
NOTE: PZ-1 WAS NOT USED FOR ISOCONCENTRATION CONTOURS.

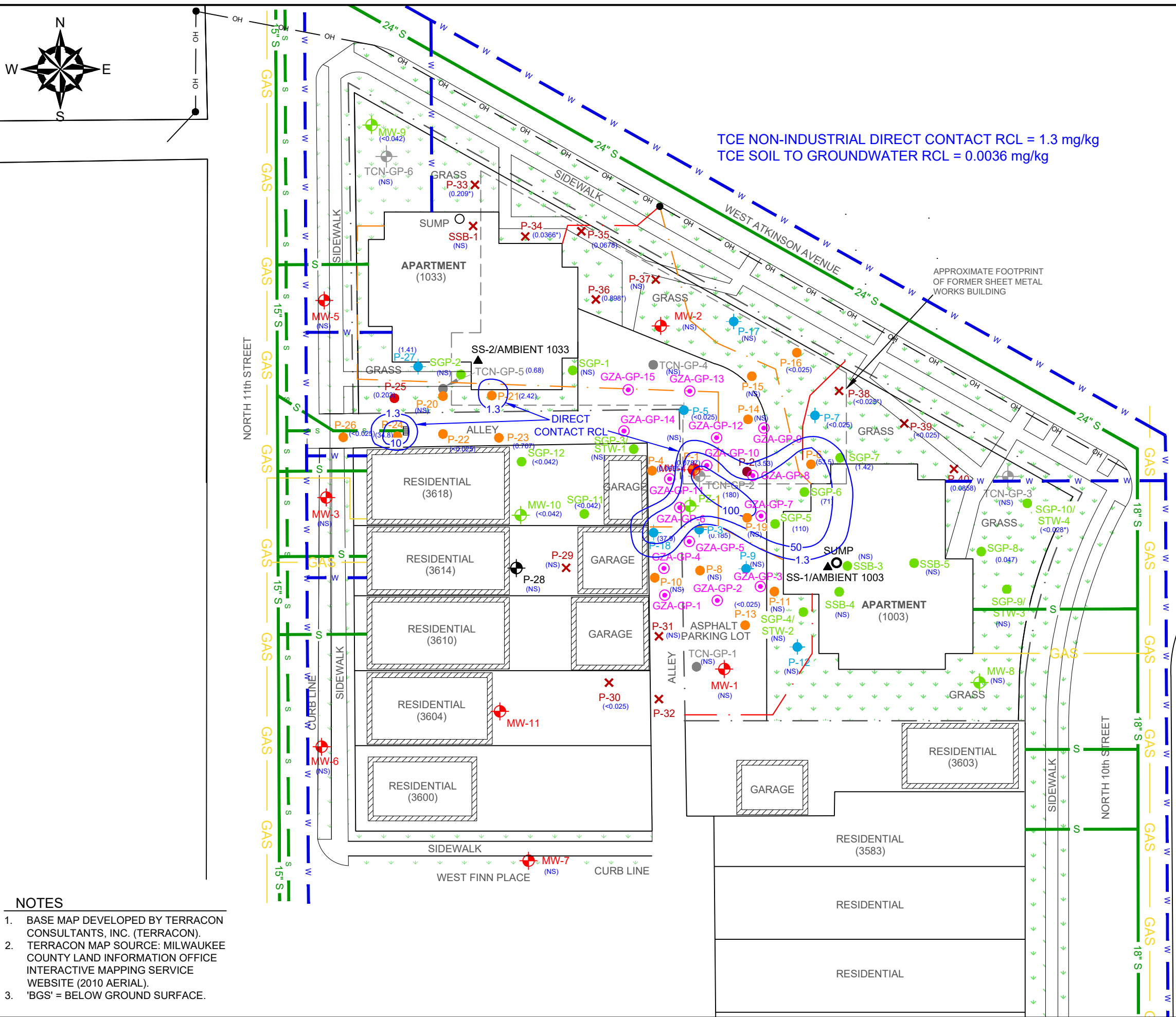
**LEGEND**

- APPROXIMATE SITE BOUNDARY
- ELECTRIC (WE ENERGIES)
- COMMUNICATION (AT & T)
- GAS GAS LINE
- OH OH OVERHEAD LINES
- W WATER LINE
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- NOTES**
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  2. TERRACON MAP SOURCE: MILWAUKEE COUNTY LAND INFORMATION OFFICE INTERACTIVE MAPPING SERVICE WEBSITE (2010 AERIAL).
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<p><b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN</p>			
<p><b>TCE SOIL DISTRIBUTION 4 TO 8 FEET</b></p>			
<p>PREPARED BY: <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com</p>		<p>PREPARED FOR: AXLEY BRYNELSON, LLP</p>	
PROJ MGR: HAW	REVIEWED BY: JFD	CHECKED BY: JLP	FIG
DESIGNED BY: MJS	DRAWN BY: MJS	SCALE: 1" = 40'	4
DATE: 7/8/2021	PROJECT NO. 20.0156038.01	REVISION NO.	
			SHEET NO. 2 OF 12

©2019 - GZA GeoEnvironmental, Inc. GZA-J:\15600010156999\156038 CLARE CENTRAL APTS\FIGURES\CAD\BASE MAP-KMH.DWG FIG 5 - TCE 8-12-KMH JULY 8, 2021 PAMELA REHBEIN



**ISOCONCENTRATION LEGEND**

0.5 TRICHLOROETHYLENE (TCE) ISOCONCENTRATION CONTOUR, mg/kg  
 NOTE: PZ-1 WAS NOT USED FOR ISOCONCENTRATION CONTOURS.

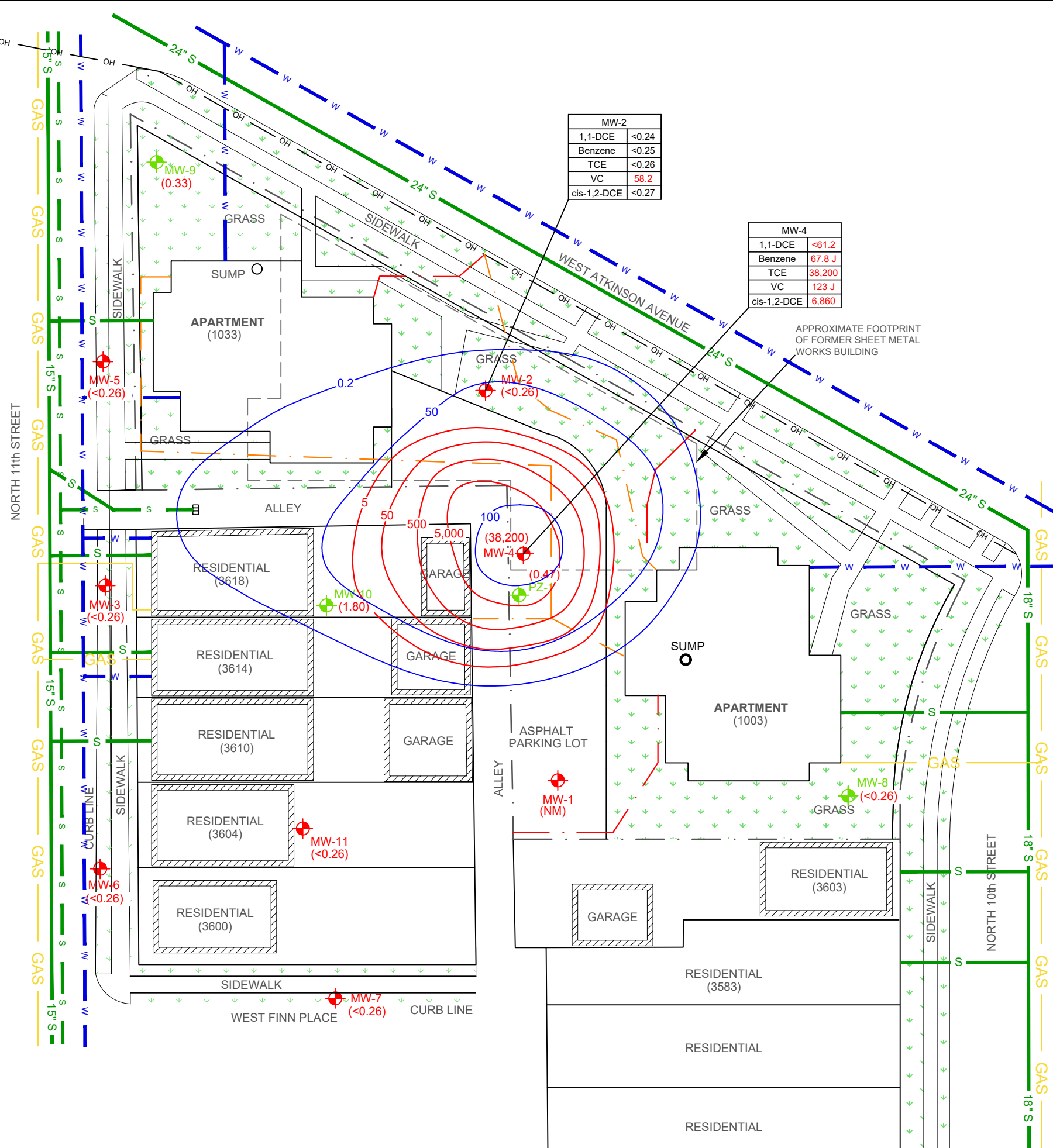
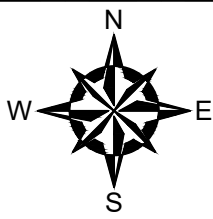
**LEGEND**

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- NOTES**
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<p><b>CLARE CENTRAL</b>                  1003 AND 1033 WEST ATKINSON AVENUE                  MILWAUKEE, WISCONSIN</p>			
<p><b>TCE SOIL DISTRIBUTION 8 TO 12 FEET</b></p>			
<p>PREPARED BY:   GZA GeoEnvironmental, Inc.                  Engineers and Scientists                  www.gza.com</p>		<p>PREPARED FOR:                  AXLEY                  BRYNELSON,                  LLP</p>	
<p>PROJ MGR: HAW</p>	<p>REVIEWED BY: JFD</p>	<p>CHECKED BY: JULP</p>	<p>FIG</p>
<p>DESIGNED BY: MJS</p>	<p>DRAWN BY: MJS</p>	<p>SCALE: 1" = 40'</p>	<p><b>5</b></p>
<p>DATE: 7/8/2021</p>	<p>PROJECT NO. 20.0156038.01</p>	<p>REVISION NO.</p>	
			<p>SHEET NO. 2 OF 12</p>





**ISOCONCENTRATION LEGEND**

- 0.5 TRICHLOROETHYLENE (TCE) ISOCONCENTRATION CONTOUR, UG/L  
NOTE: PZ-1 WAS NOT USED FOR ISOCONCENTRATION CONTOURS.
- 0.5 VINYL CHLORIDE (VC) ISOCONCENTRATION CONTOUR, UG/L

**LEGEND**

- APPROXIMATE SITE BOUNDARY
- ELECTRIC (WE ENERGIES)
- COMMUNICATION (AT & T)
- GAS GAS LINE
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- W WATER LINE
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CLARE CENTRAL  
1003 AND 1033 WEST ATKINSON AVENUE  
MILWAUKEE, WISCONSIN

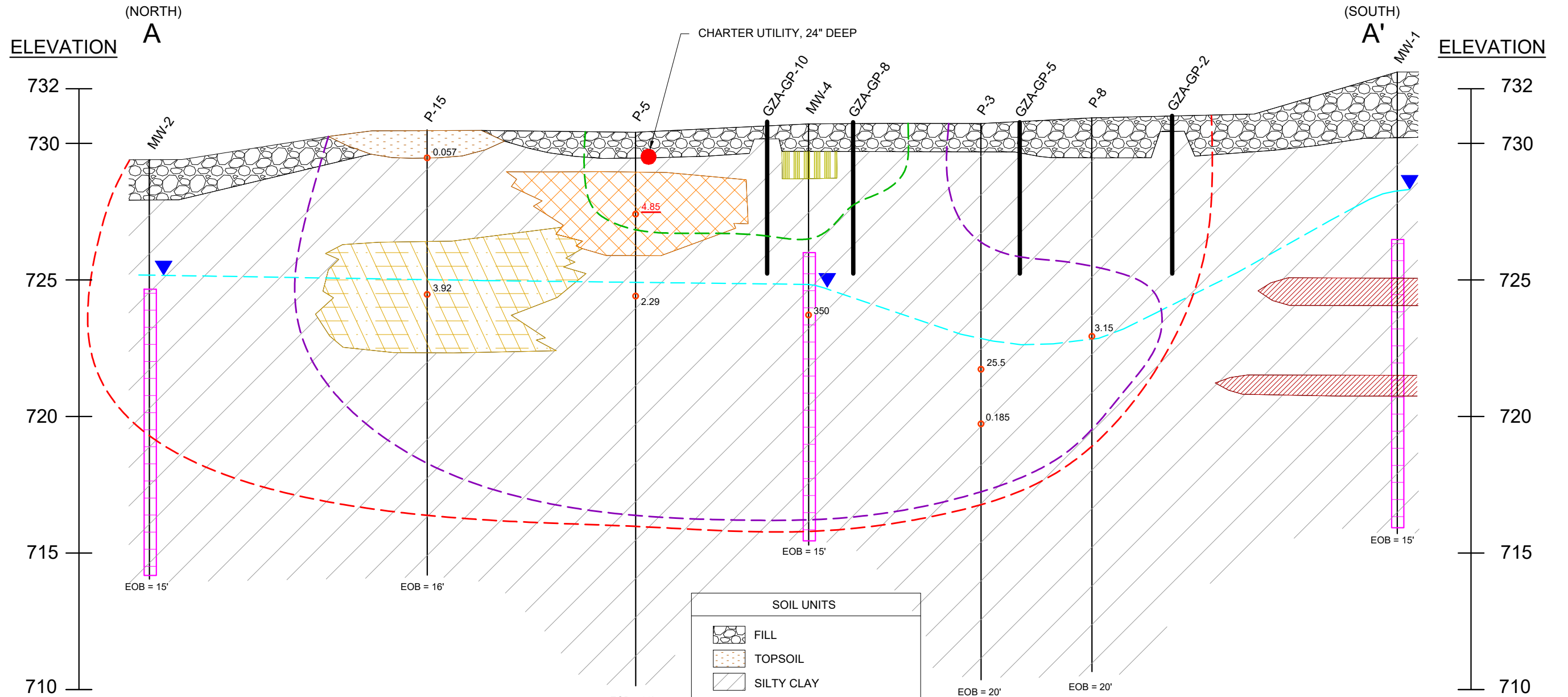
**TCE GROUNDWATER ISOCONCENTRATION MAP (AUGUST 26, 2019)**

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com	PREPARED FOR: AXLEY BRYNELSON, LLP
PROJ MGR: HAW DESIGNED BY: MJS DATE: 7/8/2021	REVIEWED BY: JFD DRAWN BY: MJS PROJECT NO. 20.0156038.01
CHECKED BY: JLP SCALE: NOT TO SCALE REVISION NO.	FIG 6 SHEET NO. 12 OF 12

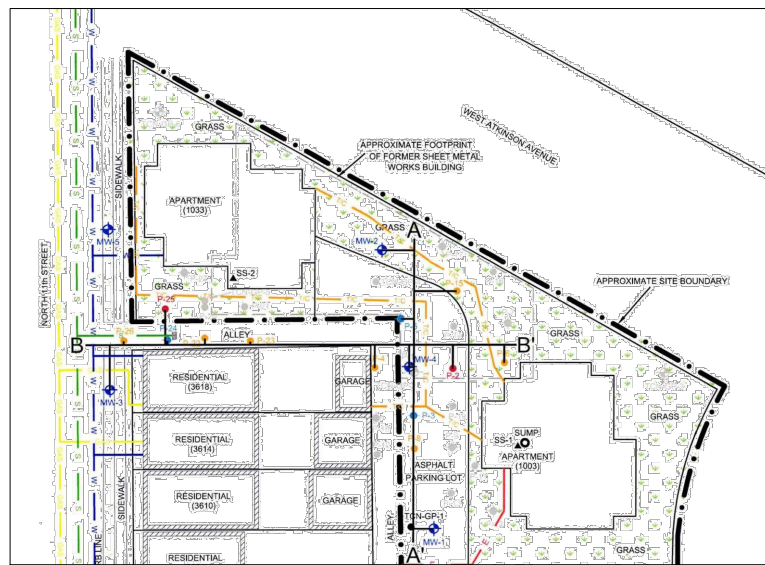
**NOTES**

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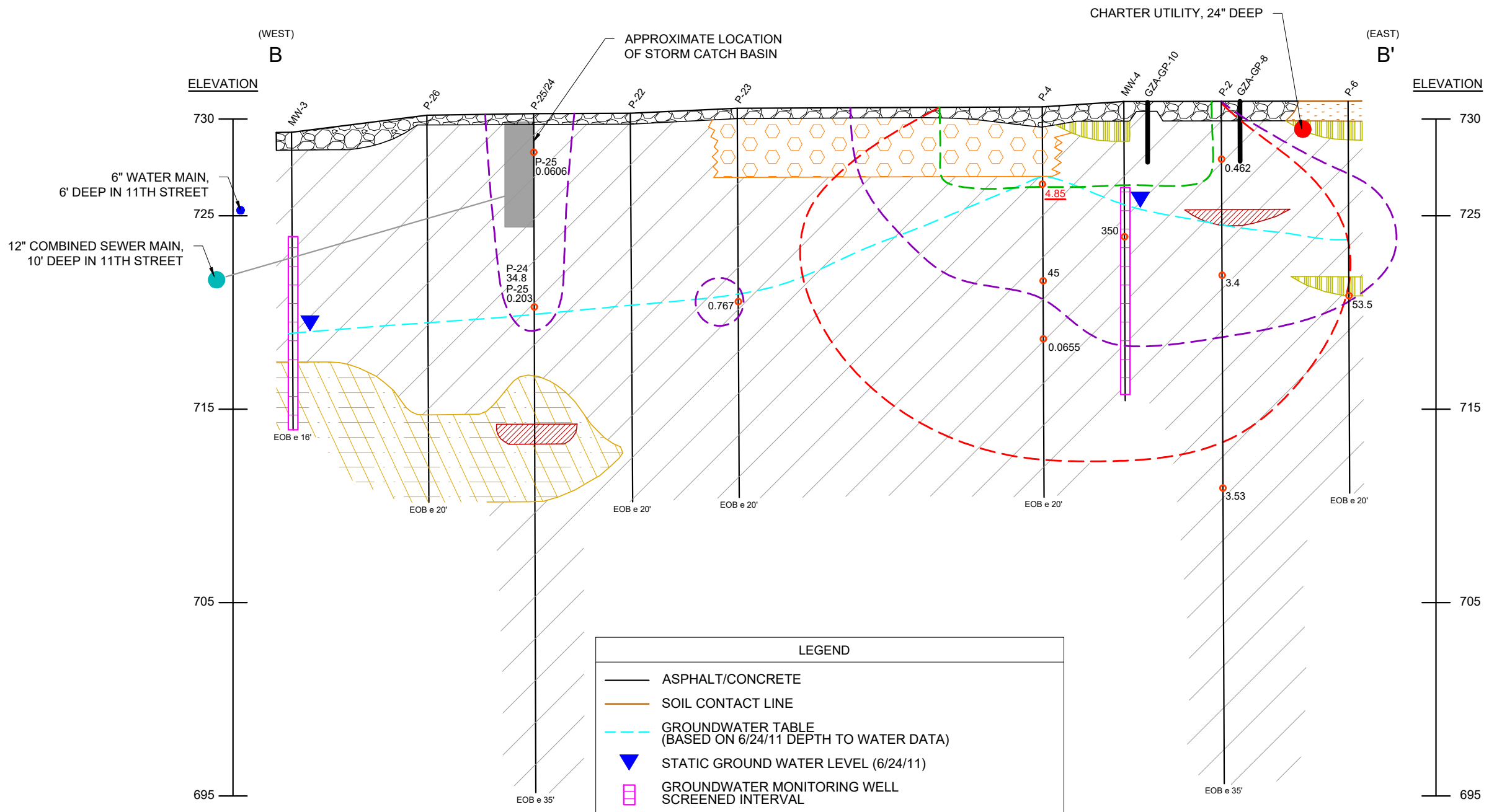
SOIL UNITS	
	FILL
	TOPSOIL
	SILTY CLAY
	SAND - FINE GRAIN
	SILT
	SANDY SILT
	SAND AND GRAVEL
	SILTY CLAY AND GRAVEL



LEGEND	
	ASPHALT/CONCRETE
	SOIL CONTACT LINE
	GROUNDWATER TABLE (BASED ON 6/24/11 DEPTH TO WATER DATA)
	STATIC GROUND WATER LEVEL (6/24/11)
	GROUNDWATER MONITORING WELL SCREENED INTERVAL
	APPROXIMATE AREA OF GROUNDWATER ES EXCEEDANCES
	TCE DIRECT CONTACT RCL EXCEEDANCE
	TCE SOIL-TO-GROUNDWATER RCL EXCEEDANCE

- NOTES**
1. BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  2. GEOPROBE ELEVATIONS WERE NOT SURVEYED BY TERRACON.
  3. TERRACON BASED ELEVATIONS ON FIRE HYDRANT LOCATED ON NORTHEAST CORNER OF 11TH AND FINN STREETS (ELEVATION 152.6 FEET).
  4. TERRACON BASED SOIL STRATIGRAPHY CLASSIFICATION ON DRILLED LOCATIONS, AND INFERRED BETWEEN DRILLING LOCATIONS.
  5. TERRACON INFERRED CONTACT LINES, INTERPOLATION BETWEEN GROUNDWATER MONITORING WELL LOCATION.
  6. SEE FIGURE 5 IN SITE INVESTIGATION AND INTERIM ACTION REPORT DATED MARCH 1, 2013 FOR ORIGINAL SCALE AND VERTICAL EXAGGERATION.
  7. THE TCE VALUES PRESENTED ON THE CROSS SECTION CORRESPOND TO THE DEPTH OF COLLECTION. THE SAMPLE RESULTS ARE IN mg/kg.

NO.	ISSUE/DESCRIPTION	BY	DATE
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOTECHNICAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.			
<b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN			
<b>GEOLOGIC CROSS SECTION A-A'</b>			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: AXLEY BRYNELSON, LLP	
PROJ MGR: HAW	REVIEWED BY: JFD	CHECKED BY: JLP	FIG 7
DESIGNED BY: MJS	DRAWN BY: MJS	SCALE: NOT TO SCALE	SHEET NO. 3 OF 12
DATE: 7/7/2021	PROJECT NO. 20.0156038.01	REVISION NO.	



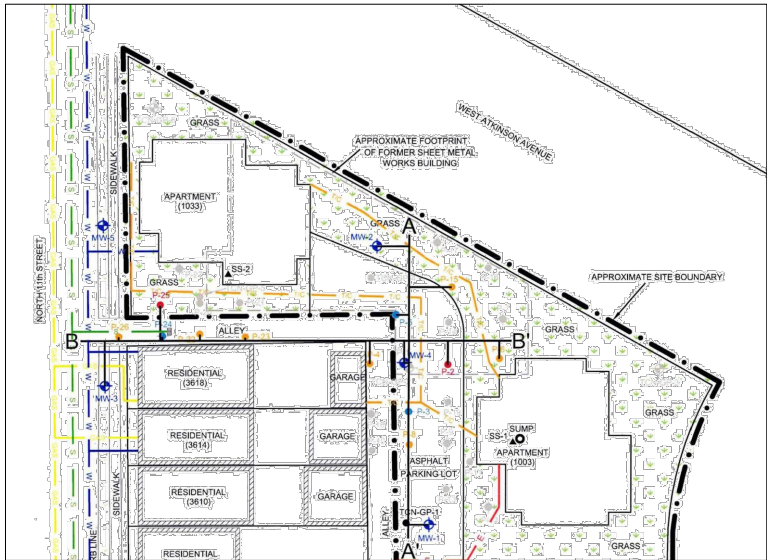
**LEGEND**

- ASPHALT/CONCRETE
- SOIL CONTACT LINE
- - - GROUNDWATER TABLE (BASED ON 6/24/11 DEPTH TO WATER DATA)
- ▼ STATIC GROUND WATER LEVEL (6/24/11)
- GROUNDWATER MONITORING WELL SCREENED INTERVAL
- - - APPROXIMATE AREA OF GROUNDWATER ES EXCEEDANCES
- 4.85 TCE DIRECT CONTACT RCL EXCEEDANCE
- 2.29 TCE SOIL-TO-GROUNDWATER RCL EXCEEDANCE

**SOIL UNITS**

- FILL
- TOPSOIL
- SILTY CLAY
- SAND - FINE GRAIN
- SILT
- SANDY SILT
- SAND AND GRAVEL
- SILTY CLAY AND GRAVEL

- NOTES**
- BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  - GEOPROBE ELEVATIONS WERE NOT SURVEYED BY TERRACON.
  - TERRACON BASED ELEVATIONS ON FIRE HYDRANT LOCATED ON NORTHEAST CORNER OF 11TH AND FINN STREETS (ELEVATION 152.6 FEET).
  - TERRACON BASED SOIL STRATIGRAPHY CLASSIFICATION ON DRILLED LOCATIONS, AND INFERRED BETWEEN DRILLING LOCATIONS.
  - TERRACON INFERRED CONTACT LINES, INTERPOLATION BETWEEN GROUNDWATER MONITORING WELL LOCATION.
  - SEE FIGURE 5 IN SITE INVESTIGATION AND INTERIM ACTION REPORT DATED MARCH 1, 2013 FOR ORIGINAL SCALE AND VERTICAL EXAGGERATION.
  - THE TCE VALUES PRESENTED ON THE CROSS SECTION CORRESPOND TO THE DEPTH OF COLLECTION. THE SAMPLE RESULTS ARE IN mg/kg.



NO.	ISSUE/DESCRIPTION	BY	DATE
<p>UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOTECHNICAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE. WITHOUT THE PRIOR WRITTEN CONSENT OF GZA, ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.</p>			
<p><b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN</p>			
<p><b>GEOLOGIC CROSS SECTION B-B'</b></p>			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: AXLEY BRYNELSON, LLP	
PROJ MGR: HAW DESIGNED BY: MJS DATE: 7/7/2021	REVIEWED BY: JFD DRAWN BY: MJS PROJECT NO. 20.0156038.01	CHECKED BY: JLLP SCALE: NOT TO SCALE REVISION NO.	FIG 8 SHEET NO. 4 OF 12

TABLE 1  
SOIL ANALYTICAL RESULTS  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	TCN-GP-1	TCN-GP-2	TCN-GP-3	TCN-GP-4	TCN-GP-5	TCN-GP-6	P-1			P-2		
Sample Date						7/20/2006	7/20/2006	7/21/2006	7/21/2006	7/21/2006	7/21/2006	10/18/2010			10/18/2010		
Sample Depth (Feet)						6	10	6	2	10	6	3	8	12	3	8	12
Collected By						Terracon	Terracon	Terracon	Terracon	Terracon	Terracon	Terracon			Terracon		
PID	IU	NS	NS	NS	NS	< 1.0	1,182.0	0.0	5.0	32.0	0.0	10.0	2,640	7.0	4.0	73.0	14.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	S	U	U	S
<b>DRO</b>																	
Diesel Range Organics	mg/kg	NS	NS	NS	NS	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																	
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	0.0992	0.0594
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.05	0.0817	0.229
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.05	<b>0.035</b>	0.0654
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	0.044	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	0.0391
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	<b>1.95</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.0264	< 2.11	< 0.0264	< 0.0264	< 0.0264	< 0.0264
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	0.029	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Styrene	mg/kg	0.22	867	867	NS	NA	NA	NA	NA	NA	NA	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.0721</b>	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	<b>2.97</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.025	<b>180</b>	< 0.025	< 0.025	<b>0.68</b>	< 0.025	<b>0.064</b>	<b>264</b>	<b>0.0787</b>	<b>0.462</b>	<b>3.4</b>	<b>3.53</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.216</b>	< 2	< 0.025	< 0.025	<b>0.0804</b>	<b>0.211</b>
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.025	<b>6.1</b>	< 0.025	< 0.025	<b>0.64</b>	< 0.025	0.0346	<b>6.78</b>	< 0.025	0.419	<b>1.14</b>	<b>1.64</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	<b>0.119</b>	< 0.025	< 0.025	0.047	< 0.025	<b>0.105</b>	< 2	< 0.025	< 0.025	<b>0.128</b>	<b>0.212</b>
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.05	<b>4.21</b>	< 0.05	< 0.05	< 0.05	< 0.05	0.1559	< 6	< 0.075	< 0.075	< 0.075	< 0.075
<b>Metals</b>																	
Arsenic	mg/kg	0.584	0.613	3	8	4.5	5	<b>5.5</b>	<b>5.9</b>	<b>4.7</b>	<b>10</b>	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	38	31	25	81.0	37	26	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	16.0	14	14	35.0	15	14	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	6.6	8	7.1	10	7.6	14	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																	
Aroclor 1016	mg/kg	NS	4.11	28	NS	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	< 0.0028	< 0.0028	< 0.0028	< 0.0028	< 0.0028	< 0.0028	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	NA	NA	NA	NA	NA	NA

TABLE 1  
SOIL ANALYTICAL RESULTS  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-3			P-4			P-5			P-6	P-7	P-8	
						10/18/2010 3	10/18/2010 9	10/18/2010 11	10/18/2010 4	10/18/2010 9	10/18/2010 12	10/18/2010 3	10/18/2010 6	10/18/2010 11	10/19/2010 10	10/19/2010 10	10/19/2010 4	10/19/2010 8
Sample Date						10/18/2010			10/18/2010			10/18/2010			10/19/2010	10/19/2010	10/19/2010	
Sample Depth (Feet)						3	9	11	4	9	12	3	6	11	10	10	4	8
Collected By						Terracon			Terracon			Terracon			Terracon	Terracon	Terracon	
PID	IU	NS	NS	NS	NS	12.0	90.0	35.0	10.0	24.0	9.0	3.0	10.0	9.0	33.0	< 1.0	13.0	35.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U
<b>DRO</b>																		
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																		
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.125	0.0963	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	0.133	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.125	<b>0.0413</b>	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	1.46	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.0264	< 0.132	< 0.0264	< 0.066	< 0.264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.211	< 0.0264	< 0.106	< 0.0264
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	0.67	0.0495
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.025	<b>25.5</b>	<b>0.185</b>	<b>4.85</b>	<b>45</b>	<b>0.0655</b>	<b>4.85</b>	<b>2.29</b>	< 0.025	<b>53.5</b>	< 0.025	< 0.1	<b>3.15</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	<b>0.199</b>	<b>0.357</b>	<b>0.369</b>	< 0.0625	< 0.25	<b>0.314</b>	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	<b>0.0463</b>
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	<b>0.126</b>	<b>6.24</b>	<b>3.24</b>	<b>0.925</b>	<b>10.5</b>	< 0.025	< 0.025	<b>0.0682</b>	< 0.025	<b>0.804</b>	< 0.025	< 0.1	<b>3.08</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	0.328	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	<b>0.851</b>	<b>0.313</b>	< 0.0625	<b>1.71</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	<b>0.131</b>
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.075	< 0.425	< 0.075	< 0.1875	< 0.75	< 0.075	< 0.075	< 0.075	< 0.075	< 0.6	< 0.075	<b>25.13</b>	< 0.075
<b>Metals</b>																		
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																		
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-9	P-10	P-11	P-12	P-13	P-14	P-15		P-16	P-17	P-18	P-19	P-20	
Sample Date						10/19/2010	10/19/2010	10/19/2010	10/19/2010	10/19/2010	10/20/2010	10/20/2010		10/20/2010	10/20/2010	10/20/2010	10/20/2010	10/20/2010	
Sample Depth (Feet)						8	8	6	6	10	8	1	6	10	6	10	8	2	8
Collected By						Terracon	Terracon	Terracon	Terracon	Terracon	Terracon	Terracon		Terracon	Terracon	Terracon	Terracon	Terracon	
PID	IU	NS	NS	NS	NS	302	9.0	346	14.0	15.0	28.0	30.0	44.0	9.0	8.0	47.0	172.0	< 1.0	4.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	<b>4.61</b>	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 1.25	< 0.025	< 0.5	0.0522	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 1.32	< 0.0264	< 0.528	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.132	< 1.32	< 0.0264	< 0.0264
Isopropylbenzene	mg/kg	NS	268	268	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Styrene	mg/kg	0.22	867	867	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 1.25	< 0.025	< 0.5	<b>0.0622</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Toluene	mg/kg	1.1072	818	818	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	<b>141</b>	<b>0.595</b>	<b>74.8</b>	< 0.025	< 0.025	<b>0.233</b>	<b>0.057</b>	<b>3.92</b>	< 0.025	<b>0.119</b>	<b>37.9</b>	<b>109</b>	<b>0.0958</b>	<b>0.635</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.358</b>	< 1.25	< 0.025	< 0.025
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 1.25	<b>0.0729</b>	<b>0.807</b>	< 0.025	< 0.025	<b>1.18</b>	< 0.025	< 0.025	< 0.025	< 0.025	<b>8.51</b>	<b>3.18</b>	< 0.025	<b>0.134</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	0.419	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	<b>0.293</b>	< 0.025	< 0.025	< 0.025	< 0.025	<b>1.73</b>	< 1.25	< 0.025	< 0.025
Xylenes (total)	mg/kg	3.96	260	260	NS	< 3.75	< 0.075	< 1.5	0.1607	< 0.075	< 0.1099	< 0.075	< 0.0924	< 0.075	< 0.075	< 0.375	< 3.75	< 0.075	< 0.075
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1  
SOIL ANALYTICAL RESULTS  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-21		P-22		P-23	P-24	P-25		P-26	P-27		P-28		
						10/21/2010 2   10 Terracon	10/21/2010 4   11 Terracon	10/21/2010 10 Terracon	10/21/2010 10 Terracon	10/21/2010 2   10 Terracon	10/21/2010 10 Terracon	10/21/2010 2   10 Terracon	10/21/2010 10 Terracon	6/23/2016 1   7 Terracon	6/23/2016 14.0   13.0 NR   NR				
Sample Date																			
Sample Depth (Feet)																			
Collected By																			
PID	IU	NS	NS	NS	NS	4.0	12.0	3.0	41.0	9.0	346.0	7.0	8.0	5.0	2.0	8.0	14.0	13.0	
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	S	NR	NR	
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.26</b>	< 0.025	< 0.025	
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.225	< 0.025	< 0.0535	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.528	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	NR	NR	
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.04	< 0.04	
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	<b>0.89</b>	<b>2.42</b>	< 0.025	< 0.025	<b>0.767</b>	<b>34.8</b>	<b>0.0606</b>	<b>0.203</b>	< 0.025	< 0.025	<b>1.41</b>	< 0.025	< 0.025	
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	< 0.025	<b>0.351</b>	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.025	<b>0.885</b>	< 0.025	<b>10.9</b>	0.0335	<b>12.5</b>	< 0.025	<b>0.0456</b>	< 0.025	< 0.025	<b>0.289</b>	< 0.025	< 0.025	
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	<b>0.0712</b>	< 0.025	<b>0.595</b>	< 0.225	<b>1.78</b>	< 0.025	< 0.025	< 0.025	< 0.025	0.0289	< 0.025	< 0.025	
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 1.5	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-29		P-30		P-31		P-33		P-34		P-35			
						6/23/2016 1 Terracon	5	6/23/2016 1 Terracon	12	6/23/2016 1 Terracon	15	6/23/2016 1 Terracon	9	6/23/2016 3 Terracon	9	6/23/2016 1 Terracon	7	11	
Sample Date																			
Sample Depth (Feet)																			
Collected By																			
PID	IU	NS	NS	NS	NS	16.0	14.0	15.0	14.0	19.0	13.0	13.0	12.0	10.0	16.0	14.0	13.0	14.0	
Saturated/Unsaturated	S/U	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.44</b>	< 0.025	0.046	< 0.025	< 0.025	<b>1.43</b>	
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.0313	< 0.025	0.211	0.0536	
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.0593	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.209</b>	<b>0.0541</b>	<b>0.0366</b>	<b>0.122</b>	<b>0.0518</b>	<b>0.0678</b>	
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Xylenes (total)	mg/kg	3.96	260	260	NS	0.0641	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

Sample Date	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-36		P-37	P-38		P-39		P-40		SSB-1	SSB-2		SSB-3		
						6/23/2016 1 Terracon	13	6/23/2016 1 Terracon	6/23/2016 1 Terracon	6/23/2016 1 Terracon	6/23/2016 3 Terracon	9	12/11/2014 2-4 Sigma	5/1/2015 2-4 Sigma	5-7	5/1/2015 5-7 Sigma	5-7 DUP			
Sample Date																				
Sample Depth (Feet)																				
Collected By																				
PID	IU	NS	NS	NS	NS	13.0	15.0	12.0	6.0	10.0	10.0	12.0	11.0	11.0	0.1	1.5	1.2	3.6	3.6	
Saturated/Unsaturated	S/U	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	U	U	U	U	U	
<b>DRO</b>																				
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																				
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	0.0336	0.0412	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.045 J	< 0.04	< 0.04	0.093 J	0.072 J	
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.019	< 0.025	< 0.025	< 0.025	< 0.025	
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.021	< 0.029	< 0.029	< 0.029	< 0.029	
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.026	< 0.078	< 0.078	< 0.078	< 0.078	
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.026	< 0.089	< 0.089	< 0.089	< 0.089
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.019	< 0.03	< 0.03	< 0.03	< 0.03	
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.0092	< 0.016	< 0.016	< 0.016	< 0.016	
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.01	< 0.027	< 0.027	< 0.027	< 0.027	
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	< 0.095	< 0.11	< 0.11	< 0.11	< 0.11	
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.037	< 0.037	< 0.037	< 0.037	
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.46	< 0.087	< 0.087	< 0.087	< 0.087	
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	NA	NA	NA	NA	NA	
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.049	< 0.054	< 0.054	< 0.054	< 0.054	
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.02	< 0.031	< 0.031	< 0.031	< 0.031	
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.025	<b>0.898</b>	< 0.025	< 0.025	< 0.025	0.0333	< 0.025	<b>0.925</b>	<b>0.0858</b>	<b>0.127</b>	< 0.042	< 0.042	<b>10</b>	<b>7.8</b>	
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.021	< 0.01	< 0.01	< 0.01	< 0.01	
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.025	0.359	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.024	< 0.021	< 0.021	< 0.021	< 0.021	
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.024	< 0.035	< 0.035	< 0.035	< 0.035	
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.031	< 0.056	< 0.056	< 0.056	< 0.056	
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	<b>0.0782</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.029	< 0.024	< 0.024	< 0.024	< 0.024	
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.075	< 0.075	< 0.075	0.1076	< 0.075	0.077	< 0.075	< 0.075	< 0.075	< 0.099	< 0.036	< 1.036	< 2.036	< 3.036	
<b>Metals</b>																				
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																				
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



TABLE 1  
SOIL ANALYTICAL RESULTS  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	SSB-4	SSB-5	SGP-1		SGP-2	SGP-3	SPG-4	SGP-5				SGP-6		
Sample Date						5/1/2015	5/1/2015	5/14/2015		5/14/2015	5/14/2015	5/14/2015	5/14/2015				12/11/2014		
Sample Depth (Feet)						2-3	5-7	2-4	6-8	8-10	6-8	1-3	4-5	5-7	8-10	2-4	5-7	8-10	
Collected By						Sigma	Sigma	Sigma		Sigma	Sigma	Sigma	Sigma				Sigma		
PID	IU	NS	NS	NS	NS	0.8	0.2	0.0	6.3	0.0	9.5	0.0	0.1	17.4	138.9	26.0	0.8	29.0	43.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	S	S	U	U	U	S	S	U	U	U
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.04	< 0.04	< 0.038	0.085 J	< 0.038	0.129	< 0.038	< 0.038	< 0.038	<b>0.271</b>	<b>0.37</b>	< 0.038	< 0.038	< 0.038
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.033	< 0.033	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	0.034 J	0.048 J	< 0.019	< 0.019	< 0.019
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.029	< 0.029	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	<b>0.0306 J</b>	<b>0.0276 J</b>	< 0.021	< 0.021	< 0.021
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.078	< 0.078	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.089	< 0.089	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.03	< 0.03	< 0.019	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.016	< 0.016	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.027	< 0.027	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.11	< 0.11	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.037	< 0.037	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.087	< 0.087	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114
Styrene	mg/kg	0.22	867	867	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.054	< 0.054	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Toluene	mg/kg	1.1072	818	818	NS	< 0.031	< 0.031	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.042	< 0.042	<b>6.0</b>	<b>4.7</b>	<b>0.32</b>	<b>10.2</b>	< 0.028	<b>0.34</b>	<b>12.8</b>	<b>87.7</b>	<b>110</b>	<b>0.4</b>	<b>9.9</b>	<b>71</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.01	< 0.01	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.021	< 0.021	< 0.024	<b>0.103</b>	< 0.024	<b>0.82</b>	< 0.024	< 0.024	<b>0.042 J</b>	<b>0.48</b>	<b>0.83</b>	< 0.024	<b>0.119</b>	<b>0.68</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.035	< 0.035	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.056	< 0.056	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.024	< 0.024	< 0.029	< 0.029	< 0.029	<b>0.066 J</b>	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029
Xylenes (total)	mg/kg	3.96	260	260	NS	< 4.036	< 5.036	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	SGP-7			SGP-8		SGP-9		SGP-10				SGP-11		
						12/11/2014 2-4	12/11/2014 5-7 Sigma	12/11/2014 8-10	12/11/2014 2-4	12/11/2014 8-10	12/12/2014 2-4	12/12/2014 6-8 Sigma	12/12/2014 2-4	12/12/2014 4-6	12/12/2014 4-6 DUP	12/12/2014 7-9	1/9/2015 2-4	1/9/2015 6-8 Sigma	1/9/2015 8-10
<b>Sample Date</b>																			
<b>Sample Depth (Feet)</b>																			
<b>Collected By</b>																			
<b>PID</b>	IU	NS	NS	NS	NS	0.1	4.3	0.6	0.0	0.0	0.3	0.2	0.8	2.4	2.4	1.2	NR	NR	NR
<b>Saturated/Unsaturated</b>	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NR	NR	NR
<b>DRO</b>																			
<b>Diesel Range Organics</b>	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.04	< 0.04	< 0.04
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.033	< 0.033	< 0.033
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.029	< 0.029	< 0.029
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.078	< 0.078	< 0.078
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.089	< 0.089
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.03	< 0.03	< 0.03
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.016	< 0.016	< 0.016
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.027	< 0.027	< 0.027
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.11	< 0.11	< 0.11
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.037	< 0.037	< 0.037
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.087	< 0.087	< 0.087
Styrene	mg/kg	0.22	867	867	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.054	< 0.054	< 0.054
Toluene	mg/kg	1.1072	818	818	NS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.031	< 0.031	< 0.031
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.028	<b>2.37</b>	<b>1.42</b>	< 0.028	<b>0.047 J</b>	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.042	< 0.042	< 0.042
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.01	< 0.01	< 0.01
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.024	0.0252 J	0.039 J	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.021	< 0.021	< 0.021
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.035	< 0.035	< 0.035
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.056	< 0.056	< 0.056
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.024	< 0.024	< 0.024
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.036	< 0.036	< 0.036
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	SGP-12		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8		MW-9	
						1/9/2015 2-4   8-10 Sigma	NR	NR	< 1.0	< 1.0	2.0	620.0	< 1.0	< 1.0	1/9/2015 2-4   6-8 Sigma	0.1	0.1	1/9/2015 2-4   8-10 Sigma
<b>Sample Date</b>																		
<b>Sample Depth (Feet)</b>																		
<b>Collected By</b>																		
<b>PID</b>	IU	NS	NS	NS	NS	NR	NR	< 1.0	< 1.0	2.0	620.0	< 1.0	< 1.0	< 1.0	0.1	0.1	0.8	0.8
<b>Saturated/Unsaturated</b>	S/U	NS	NS	NS	NS	NR	NR	U	U	U	U	U	U	U	U	U	U	U
<b>DRO</b>																		
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																		
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.04	< 0.04	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.04	< 0.04	< 0.04	< 0.04
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.033	< 0.033	< 0.04	< 0.04	< 0.04	< 2	< 0.041	< 0.028	< 0.028	< 0.033	< 0.033	< 0.033	< 0.033
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.029	< 0.029	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.029	< 0.029	< 0.029	< 0.029
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.078	< 0.078	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.078	< 0.078	< 0.078	< 0.078
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.089	< 0.089	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.089	< 0.089	< 0.089	< 0.089
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.03	< 0.03	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.03	< 0.03	< 0.03	< 0.03
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.016	< 0.016	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.016	< 0.016	< 0.016	< 0.016
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.027	< 0.027	< 0.029	< 0.029	< 0.028	2.6	< 0.029	< 0.028	< 0.028	< 0.027	< 0.027	< 0.027	< 0.027
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.11	< 0.11	< 0.04	< 0.04	< 0.04	< 0.2	< 0.041	< 0.028	< 0.028	< 0.11	< 0.11	< 0.11	< 0.11
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.037	< 0.037	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.037	< 0.037	< 0.037	< 0.037
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.087	< 0.087	< 0.058	< 0.057	< 0.057	< 2.9	< 0.058	< 0.057	< 0.055	< 0.087	< 0.087	< 0.087	< 0.087
Styrene	mg/kg	0.22	867	867	NS	NA	NA	< 0.058	< 0.057	< 0.057	4.9	< 0.058	< 0.055	< 0.055	NA	NA	NA	NA
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.054	< 0.054	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.054	< 0.054	< 0.054	< 0.054
Toluene	mg/kg	1.1072	818	818	NS	< 0.031	< 0.031	< 0.029	< 0.029	< 0.028	9.7	< 0.029	< 0.028	< 0.028	< 0.031	< 0.031	< 0.031	< 0.031
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.042	< 0.042	< 0.029	< 0.029	< 0.028	350	< 0.029	< 0.028	< 0.028	< 0.042	< 0.042	< 0.042	< 0.042
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.01	< 0.01	< 0.04	< 0.04	< 0.04	< 2	< 0.041	< 0.028	< 0.028	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.021	< 0.021	< 0.029	< 0.029	< 0.028	8.4	< 0.029	< 0.028	< 0.028	< 0.021	< 0.021	< 0.021	< 0.021
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.035	< 0.035	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.035	< 0.035	< 0.035	< 0.035
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.056	< 0.056	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.056	< 0.056	< 0.056	< 0.056
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.024	< 0.024	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.024	< 0.024	< 0.024	< 0.024
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.036	< 0.036	< 0.098	< 0.097	< 0.097	27	< 0.099	< 0.085	< 0.083	< 0.036	< 0.036	< 0.036	< 0.036
<b>Metals</b>																		
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																		
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1  
SOIL ANALYTICAL RESULTS  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	MW-10				PZ-1			GZA-GP-1	GZA-GP-2	GZA-GP-3	GZA-GP-4	GZA-GP-5	GZA-GP-6	GZA-GP-7
						2-4	6-8	8-10	8-10 DUP	2-4	7-9	23-25	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020
Sample Date						1/9/2010				4/30/2015			6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020
Sample Depth (Feet)						2-4	6-8	8-10	8-10 DUP	2-4	7-9	23-25	2-3'	3-4'	2-3'	1-2'	2-3'	1-2'	3-4'
Collected By						Sigma				Sigma			GZA	GZA	GZA	GZA	GZA	GZA	GZA
PID	IU	NS	NS	NS	NS	NR	NR	NR	NR	7.0	167.0	1.1	2.5	7.3	26.8	2.5	3.8	3.7	4.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	NR	NR	NR	NR	U	U	S	U	U	U	U	U	U	U
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	<b>0.069 J</b>	< 0.029	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.147</b>
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.795
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.396
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.025	<b>0.0378 J</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.467
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.13
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273
Styrene	mg/kg	0.22	867	867	NS	NA	NA	NA	NA	NA	NA	NA	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.0387	< 0.0387	< 0.0387	< 0.0387	< 0.0387	< 0.0387	< 0.0387
Toluene	mg/kg	1.1072	818	818	NS	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042	<b>53</b>	< 0.042	<b>0.27</b>	< 0.025	< 10.4	.0476 J	< 0.025	<b>3.43</b>	<b>26.3</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<b>0.279</b>	< 0.01	< 0.025	<b>0.0907</b>	< 0.297	< 0.025	< 0.025	< 0.025	<b>0.194</b>
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.021	< 0.021	< 0.021	< 0.021	0.207	3.7	< 0.021	<b>0.0478 J</b>	<b>0.272</b>	< 14.2	< 0.0795	< 0.025	<b>0.797</b>	<b>4.79</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	< 0.03	0.0533 J	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.0777
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.0715 J
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	<b>0.223</b>	< 0.024	< 0.025	< 0.025	0.3	< 0.025	< 0.025	<b>0.155</b>	<b>0.304</b>
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.075	< 0.05	< 0.75	< 0.075	< 0.075	< 0.075	0.0599 J
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	GZA-GP-8	GZA-GP-9	GZA-GP-10	GZA-GP-11	GZA-GP-12	GZA-GP-13	GZA-GP-14	GZA-GP-15
<b>Sample Date</b>						6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020
<b>Sample Depth (Feet)</b>						3-4'	3-4'	0-1'	1-2'	3-4'	3-4'	1-2'	1-2'
<b>Collected By</b>						GZA	GZA	GZA	GZA	GZA	GZA	GZA	GZA
<b>PID</b>	IU	NS	NS	NS	NS	4.1	1.7	3.7	5.5	3.1	2.6	3.2	3.3
<b>Saturated/Unsaturated</b>	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U
<b>DRO</b>													
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>													
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.0387	< 0.0387	< 0.025	<b>0.0705 J</b>	< 0.0387	< 0.0387	< 0.0387
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.025	< 0.025	< 0.0387	< 0.025	< 0.025	< 0.025	0.0411 J
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	<b>1.07</b>	<b>0.102</b>	< 1.59	< 0.025	<b>5.67</b>	< 0.254	<b>5.91</b>	<b>0.13</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	<b>0.0808</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	<b>0.551</b>	< 0.025	<b>1.54</b>	<b>3.04</b>	< 0.025	< 0.025	<b>0.501</b>	<b>0.221</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	0.0289 J	< 0.025	<b>0.194</b>	<b>0.337</b>	< 0.025	< 0.025	<b>0.0848</b>	< 0.025
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
<b>Metals</b>													
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>													
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA

**Notes:**

- Soil samples were collected by Terracon Consultants, Inc. and are indicated by 'Terracon.' Soil samples collected by The Sigma Group are indicated by 'Sigma.' Soil samples were analyzed by Pace Analytical of Green Bay, Wisconsin, Synergy Environmental Lab, Inc. of Appleton, Wisconsin, and TestAmerica of Watertown, Wisconsin. The sample collection depths are recorded as feet below ground surface (bgs).
- Results are provided in instrument units (IU) or milligrams per kilogram (mg/kg).
- Residual Contaminant Levels (RCLs) were obtained from the RCL spreadsheet (updated December 2018) available on the following Wisconsin Department of Natural Resources (WDNR) website: <https://dnr.wi.gov/topic/Brownfields/soil.html>. The spreadsheet was prepared by WDNR staff using the United States Environmental Protection Agency's (USEPA's) Regional Screening Level (RSL) Web-Calculator.
- NS = No RCL was provided in the WDNR RCL spreadsheet for the parameter.
- NA = Sample not analyzed for that parameter.
- NR = Analyte not reported for the sample or information was not provided by consulting firm.
- Only compounds detected in at least one soil sample during analyses are presented.
- Italicized** concentrations indicate an exceedance of the Soil to Groundwater Pathway RCL. Concentrations in **red font** indicate an exceedance of the Non-Industrial Direct Contact RCL. The direct contact RCLs are applicable to samples collected at depths 0 to 4 feet below ground surface.
- "<" or "ND" indicates the parameter was detected in the sample at a concentration below the method detection limit (MDL). Yellow Highlight is provided as a 'quick look' for soil samples, regardless of the sample depth, exceeding the non-industrial **act** standards as requested by the WDNR in their email correspondence dated June 28, 2021.
- J flagged results indicate that the analyte was detected between the MDL and the limit of detection/quantification. These results are considered an estimate.
- PID = Photoionization Detector.
- VOCs = Volatile Organic Compounds.
- PCBs = Polychlorinated Biphenyls.

**TABLE 5**  
**GROUNDWATER ELEVATIONS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

Well ID	Gauging Date	Depth to Groundwater	Surface Elevation (ft)	Top of Casing Elevation	Groundwater Elevation	Screened Interval	
MW-1	3/16/2011	0.4		732.3	731.9	718.3-728.2	
	4/22/2011	0.6		732.3	731.7		
	6/24/2011	0.75		732.3	731.55		
	2/12/2015	2.24		732.3	730.06		
	8/9/2016	3.49		732.3	728.81		
	5/11/2017	0.77		732.3	731.53		
	3/21/2019	Car parked over well					
	8/14/2019	Car parked over well					
	8/26/2019	Car parked over well					
MW-2	3/16/2011	4.06		730.65	726.59	715.7-725.7	
	4/22/2011	2.55		730.65	728.1		
	6/24/2011	2.87		730.65	727.78		
	2/12/2015	6.37		730.65	724.28		
	8/9/2016	5.12		730.65	725.53		
	5/11/2017	3.00		730.65	727.65		
	3/21/2019	3.68		730.65	726.97		
	8/14/2019	NM	729.823	729.363	NM		
	8/26/2019	4.42		729.363	724.94	714.87-724.87	
MW-3	3/16/2011	10.25		731.64	721.39	715.6-725.6	
	4/22/2011	8.15		731.64	723.49		
	6/24/2011	8.6		731.64	723.04		
	2/12/2015	10.28		731.64	721.36		
	8/9/2016	10.61		731.64	721.03		
	5/11/2017	8.53		731.64	723.11		
	3/21/2019	7.17		731.64	724.47		
	8/14/2019	NM	730.583	729.30	NM		
	8/26/2019	9.74		729.30	719.56	713.26-723.56	
MW-4	3/16/2011	9.9		731.93	722.03	716.9-726.9	
	4/22/2011	5.71		731.93	726.22		
	6/24/2011	5.57		731.93	726.36		
	2/12/2015	7.53		731.93	724.4		
	8/9/2016	6.02		731.93	725.91		
	5/11/2017	4.04		731.93	727.89		
	3/21/2019	4.1		731.93	727.83		
	8/14/2019	NM	730.893	730.693	NM		
	8/26/2019	6.25		730.693	724.443	715.66-725.66	

**TABLE 5**  
**GROUNDWATER ELEVATIONS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

Well ID	Gauging Date	Depth to Groundwater	Surface Elevation (ft)	Top of Casing Elevation	Groundwater Elevation	Screened Interval	
MW-5	3/16/2011	1.72		730.71	728.99	714.7-724.7	
	4/22/2011	1.64		730.71	729.07		
	6/24/2011	3.56		730.71	727.15		
	2/12/2015	5.59		730.71	725.12		
	8/9/2016	7.34		730.71	723.37		
	5/11/2017	3.33		730.71	727.38		
	3/21/2019	3.05		730.71	727.66		
	8/14/2019	NM	729.643	729.343	NM		
	8/26/2019	6.51		729.343	722.833	713.33-723.33	
MW-6	6/24/2011	NA - dry		732.76	dry	716.8-726.8	
	2/12/2015	6.14		732.76	726.62		
	8/9/2016	2.91		732.76	729.85		
	5/11/2017	3.35		732.76	729.41		
	3/21/2019	3.59		732.76	729.17		
	8/14/2019	NM	731.413	730.913	NM		
	8/26/2019	2.1		730.913	728.813	714.95-724.95	
MW-7	6/24/2011	5.76		732.42	726.66	710.7-720.7	
	2/12/2015	8.21		732.42	724.21		
	8/9/2016	7.88		732.42	724.54		
	5/11/2017	5.27		732.42	727.15		
	3/21/2019	Not Sampled					
	8/14/2019	NM	731.358	731.20	NM		
	8/26/2019	7.06		731.20	724.14	709.48-719.48	
MW-8	2/11/2015	13.44		728.48	715.04	713.0-723.0	
	8/9/2016	9.01		728.48	719.47		
	5/11/2017	4.3		728.48	724.18		
	3/21/2019	3.52		728.48	724.96		
	8/14/2019	NM	729.478	729.058	NM		
	8/26/2019	3.11		729.058	725.948	713.58-723.58	
MW-9	2/11/2015	NA - dry		728.38	Dry	713.1-723.1	
	5/14/2015	5.08		728.38	723.3		
	8/9/2016	6.85		728.38	721.53		
	5/11/2017	3.47		728.38	724.91		
	3/21/2019	4.14		728.38	724.24		
	8/14/2019	NM	729.423	728.983	NM		
	8/26/2019	6.98		728.983	722.003	713.7-723.7	
MW-10	2/11/2015	9.92		731.99	722.07	715.3-725.3	
	8/9/2016	12.11		731.99	719.88		
	5/11/2017	4.71		731.99	727.28		
	3/21/2019	4.33		731.99	727.66		

**TABLE 5**  
**GROUNDWATER ELEVATIONS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

Well ID	Gauging Date	Depth to Groundwater	Surface Elevation (ft)	Top of Casing Elevation	Groundwater Elevation	Screened Interval
	8/14/2019	NM	733.293	732.883	NM	
	8/26/2019	11.23		732.883	721.653	716.19-926.19
MW-11	8/9/2016	16.98		734.69	717.71	712.0-722.0
	5/11/2017	4.2		734.69	730.49	
	3/21/2019	4.93		734.69	729.76	
	8/14/2019	NM	733.673	733.283	NM	
	8/26/2019	6		733.283	727.283	710.59-720.59
PZ-1	5/14/2015	17.02		729.89	712.87	705.8-710.8
	5/11/2017	10.07		729.89	719.82	
	3/21/2019	10.38		729.89	719.51	
	8/14/2019	NM	731.083	730.853	NM	
	8/26/2019	11.1		730.853	719.753	706.77-711.77

- Notes:
1. GZA surveyed the entire monitoring well network on August 26, 2019 using a fire hydrant on on Northeast corner of 11th and Finn Streets as benchmark, elevation of 152.6 feet City of Milwaukee datum which was normalized to sea level.
  2. Depths to groundwater and bottom of well are measured from the top of well casing.