

June 26, 2020

Your Reference
704 75th Street

Our Reference
AECOM Project 60578411

Shelly Billingsley
City of Kenosha
Director of Public Works
625 52nd Street, Room 305
Kenosha, Wisconsin 53140

Subject: May 2020 Groundwater Monitoring Results
704 75th Street, Kenosha WI
BRRTS# 03-30-532981

Dear Ms. Billingsley

AECOM conducted a groundwater sampling event on May 6, 2020 as part of the quarterly groundwater monitoring plan for 2020 at the former gas station located at 704 75th St in Kenosha, WI (Property). The sampling was conducted as described in Task Order 150-010220 for the City of Kenosha (authorized January 7, 2020). The purpose of this letter is to transmit the results of the May 2020 sampling event.

Site History

The Property is approximately 0.35 acres located at 704 75th Street, at the intersection of 75th Street and 7th Avenue in Kenosha, WI. The Property was formerly a gas station and convenience store. The Property is bordered to the north and west by residential properties, to the south across 75th Street by a convenience store, and to the east across 7th Avenue by a dentist office. The site location is depicted in Figure 1.

The Property previously had five underground storage tanks (USTs), one was removed in 2001 and the remaining four were removed in 2014. Following the tank removals, a site investigation was performed and a report dated November 2018 described the results of soil and groundwater sampling. Petroleum impact to soil above residual contaminant levels (RCLs) was observed at the water table (9-10' below ground surface [bgs]) but was not found in shallower soil samples (0-4' bgs). Additionally, petroleum impacts were detected in groundwater above the PAL (preventative action limit). Groundwater monitoring is being conducted to further evaluate the identified groundwater impact.

Groundwater Sampling

During the May 2020 sampling event, all four of the groundwater monitoring wells were sampled. The observation well (TP-OBS) located near the east Property boundary was not sampled during this time. Figure 2 depicts the site layout and monitoring well locations.

Prior to sample collection, depth to groundwater measurements were collected from the monitoring wells. Depth to groundwater measurements and calculated elevations are provided in Table 1. Groundwater samples were then collected from the monitoring wells using a new disposable bailer at each location. Wells were purged dry (3.25 to 7 gallons) and allowed to recover prior to sampling. Purge water was disposed in a local sanitary sewer. Field parameters, including pH, conductivity, oxygen reducing potential, dissolved oxygen, and temperature, were measured directly at the time the well was sampled. The field parameter measurements are included in Table 2.

Groundwater samples from the 4 wells were submitted to Pace Analytical Services, Inc. (Pace), in Green Bay, Wisconsin, and analyzed for volatile organic compounds (VOCs - SW846 Method 8260B) and polycyclic aromatic hydrocarbons (PAHs - SW846 Method 8270C SIM-HVI).

Groundwater Results

Contoured groundwater elevations from the May 2020 measurements depict groundwater flow to the east-southeast toward Lake Michigan (Figure 3). The observed flow direction remains consistent with the flow direction determined by AECOM in prior sampling events.

The groundwater analytical results were compared to Wisconsin Administrative Code Ch. NR 140.10, Table 1, Public Health Groundwater Quality Standards, and are summarized on Tables 3 and 4 and exceedances illustrated on Figure 4. The laboratory analytical report is also attached.


Groundwater analytical concentrations detected in the May 2020 sampling event are similar to previously detected groundwater concentrations. NR 140 Preventive Action Limit (PAL) or Enforcement Standard (ES) exceedances were not detected in monitoring wells MW-1, MW-3 or MW-4. In May 2020, MW-2 has ES exceedances of 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and benzene and PAL exceedances of ethylbenzene, methyl-tert-butyl ether (MTBE), naphthalene and total xylenes. MW-2 analyte concentrations are similar to detections in November 2019. Concentration trends were also evaluated for the groundwater from MW-2 (Figure 5). The recorded sampling events have indicated a direct correlation between analyte concentration (benzene and 1,3,5-trimethylbenzene) and groundwater levels.


Conclusions

The overall groundwater plume appears to be stable and analyte concentrations at MW-2 appear to be influenced by groundwater elevations. Further evaluation will be conducted with the next groundwater sampling event to confirm the groundwater trends.

Please contact us if you have questions about this letter.

Yours sincerely,


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Lee Delcore, WDNR

In conformance with NR 712.09 submittal certification requirements:

"I, Lanette Altenbach, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Attachments:

Tables

- Table 1 – Groundwater Measurements and Elevations
- Table 2 – Measured Field Parameters in Groundwater
- Table 3 – Detected VOCs in Groundwater
- Table 4 – Detected PAHs in Groundwater

Figures

- Figure 1 – Site Location
- Figure 2 – Site Layout
- Figure 3 – Water Table Contour Map – May 2020
- Figure 4 – Groundwater Analytical Summary Exceedances – May 2020
- Figure 5 – MW-2 Analyte Concentrations and Groundwater Elevations over Time

Laboratory Analytical Report – Pace Project No. 40207508

Tables

Table 1
Groundwater Measurements and Elevations
704 75th Street, Kenosha, Wisconsin

Well Number	MW-1		MW-2		MW-3		MW-4		TP-OBS	
Ground Elevation (ft)	607.60		607.36		609.06		610.54		606.83	
Top of PVC Casing (TOC) Elevation (ft)	607.03		606.80		608.66		610.1		607.03	
Top of Screen Elevation (ft)	600.32		599.89		602.2		603.25		--	
Screen Length (ft)	10		10		10		10		--	
TOC to Bottom of Well (ft) ^A	16.71		16.91		16.46		16.85		12.76	
Date	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
8/9/2018	9.85	597.18	9.75	597.05	10.46	598.20	9.92	600.18	9.22	597.81
2/13/2019	9.12	597.91	9.51	597.29	10.05	598.61	7.90	602.20	--	
5/23/2019	8.94	598.09	9.17	597.63	9.81	598.85	8.78	601.32	8.51	598.52
8/14/2019	10.27	596.76	9.84	596.96	10.61	598.05	10.58	599.52	9.47	597.56
11/13/2019	9.12	597.91	9.24	597.56	9.90	598.76	9.13	600.97	8.64	598.39
2/12/2020	9.49	597.54	9.49	597.31	10.24	598.42	9.83	600.27	8.88	598.15
5/6/2020	8.45	598.58	8.96	597.84	9.61	599.05	7.97	602.13	8.18	598.85

NOTES:

ft = feet

^A = as measured inside well

-- No Elevation

Table 2
Measured Field Parameters in Groundwater
704 75th Street, Kenosha, Wisconsin

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Millivolts)	Specific Conductivity (mS/cm)	Temperature (° Celcius)	Groundwater Elevation (feet msl)
MW-1	8/9/2018	7.14	7.08	201.10	1.128	20.98	597.18
	2/13/2019	6.19	11.6	30.70	0.692	8.67	597.91
	5/23/2019	6.79	7.22	101.1	0.738	20.49	598.09
	8/14/2019	7.05	5.04	93.6	0.588	17.38	596.76
	11/13/2019	6.89	8.83	129.6	1.023	6.34	597.91
	2/12/2020	6.89	9.45	163	0.876	6.98	597.54
	5/6/2020	6.96	9.12	126.8	0.870	11.38	598.58
MW-2	8/9/2018	6.55	5.85	159.90	1.073	21.45	597.05
	2/13/2019	6.61	9.16	26.50	0.875	7.39	597.29
	5/23/2019	7.15	7.31	94.40	0.960	20.91	597.63
	8/14/2019	7.17	6.03	95.90	0.720	20.25	596.96
	11/13/2019	7.11	7.44	92.50	1.168	9.40	597.56
	2/12/2020	7.04	9.21	159.60	0.961	7.62	597.31
	5/6/2020	7.03	9.37	122.50	0.847	11.16	597.84
MW-3	8/9/2018	6.90	6.64	140.60	0.607	20.74	598.20
	2/13/2019	6.59	10.02	32.00	0.377	6.46	598.61
	5/23/2019	6.56	7.15	110.60	0.521	18.71	598.85
	8/14/2019	6.85	6.33	112.40	0.419	18.49	598.05
	11/13/2019	7.24	7.27	167.03	0.661	11.65	598.76
	2/12/2020	6.36	8.09	172.90	0.673	10.43	598.42
	5/6/2020	7.14	9.45	117.00	0.629	12.29	599.05
MW-4	8/9/2018	7.33	6.81	124.20	0.503	25.53	600.18
	2/13/2019	5.78	9.36	81.70	0.220	5.91	602.20
	5/23/2019	6.30	6.92	91.90	0.308	23.24	601.32
	8/14/2019	7.34	6.46	85.00	0.459	17.73	599.52
	11/13/2019	6.83	9.86	166.23	0.244	8.62	600.97
	2/12/2020	6.23	9.64	173.30	0.273	8.26	600.27
	5/6/2020	6.84	9.59	139.90	0.345	14.03	602.13

ORP = Oxidation reduction potential
mg/l = milligrams per liter
ms/cm - millisiemens per centimeter
msl = mean sea level
° = degrees

Table 3
Detected Volatile Organic Compounds in Groundwater
704 75th Street, Kenosha, Wisconsin

Field ID	Sample Date	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	Benzene (ug/L)	sec-Butyl benzene (ug/L)	Bromo dichloro methane (ug/L)	Bromo methane (ug/L)	Chloroform (ug/L)	Chloro methane (ug/L)	Ethylbenzene (ug/L)	Isopropyl benzene (Cumene) (ug/L)	p-Isopropyl toluene (ug/L)	Methyl-tert-butyl ether (ug/L)	Naphthalene (ug/L)	n-Propyl benzene (ug/L)	Toulene (ug/L)	Total Xylenes (ug/L)
MW-1	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	<u>2.2</u> ^J	< 1.3	34.7	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/23/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	8/14/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	11/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/12/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
5/6/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5	
MW-2	8/9/2018	8.2	1.5 ^J	<u>3.3</u>	< 0.85	< 0.36	<u>2.4</u> ^J	< 1.3	44.6	4.8	2.1 ^J	< 0.80	<u>17.4</u>	3.0 ^J	1.2 ^J	< 0.17	6.4
	2/13/2019	<u>344</u>	<u>42.2</u>	30.0	2.1 ^J	< 0.36	< 0.97	< 1.3	< 2.2	<u>206</u>	66.5	1.1 ^J	<u>18.9</u>	<u>98.5</u>	103	0.48 ^J	<u>692</u>
	5/23/2019	<u>248</u>	<u>37.1</u>	17.1	1.8 ^J	< 0.36	< 0.97	< 1.3	< 2.2	<u>185</u>	49.8	1.0 ^J	<u>18.3</u>	<u>77.9</u>	87.4	0.26 ^J	<u>624</u>
	8/14/2019	< 0.84	< 0.87	5.6	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	0.27 ^J	0.47 ^J	< 0.80	<u>19.5</u>	< 1.2	0.94 ^J	< 0.17	< 1.5
	11/13/2019	459	46.3	28.8	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	<u>216</u>	84.6	< 0.80	<u>12.9</u> ^J	120	150	< 0.17	<u>799</u>
	2/12/2020	21.7	1.1 ^J	10.7	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	7.3	6.8	< 0.80	<u>16.9</u>	6.1	8.1	< 0.17	<u>38.3</u>
5/6/2020	543	63.3	24.5	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	<u>167</u>	84.0	< 0.80	<u>12.5</u>	<u>89.2</u>	135	0.33 ^J	<u>945</u>	
MW-3	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	<u>2.4</u> ^J	< 1.3	39.1	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/23/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	8/14/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	11/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/12/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
5/6/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5	
MW-4	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	<u>0.58</u> ^J	< 0.97	<u>3.0</u> ^J	25.5	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	0.94 ^J	< 0.97	<u>4.2</u> ^J	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/23/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	8/14/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	11/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/12/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
5/6/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5	

Table 3
Detected Volatile Organic Compounds in Groundwater
704 75th Street, Kenosha, Wisconsin

Field ID	Sample Date	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	Benzene (ug/L)	sec-Butyl benzene (ug/L)	Bromo dichloro methane (ug/L)	Bromo methane (ug/L)	Chloroform (ug/L)	Chloro methane (ug/L)	Ethylbenzene (ug/L)	Isopropyl benzene (Cumene) (ug/L)	p-Isopropyl toulene (ug/L)	Methyl-tert-butyl ether (ug/L)	Naphthalene (ug/L)	n-Propyl benzene (ug/L)	Toulene (ug/L)	Total Xylenes (ug/L)
MW-4 DUP	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	<u>0.51^J</u>	<u>1.6^J</u>	<u>3.0^J</u>	71.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	0.86^J	< 0.97	<u>4.1^J</u>	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/23/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	8/14/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	11/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/12/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/6/202	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5
	PAL:	96 ^a		0.5	--	0.06	1	0.6	3	140	--	--	12	10	--	160	400
	ES:	480 ^a		5	--	0.6	10	6	30	700	--	--	60	100	--	800	2,000

Notes:
ug/L = micrograms per liter ^J = Estimated value ^a PAL and ES are for 1,2,4- and 1,3,5-trimethylbenzenes combined
PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are underlined italics.
ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are **bold**.

Table 4
Polycyclic Aromatic Hydrocarbons in Groundwater
704 75th Street, Kenosha, Wisconsin

Field ID	Sample Date	1-Methyl naphthalene	2-Methyl naphthalene	Ace-naphthene	Ace-naphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo (g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
MW-1	8/9/2018	0.0082 ^{JB}	0.0077 ^{JB}	< 0.0060	< 0.0049	< 0.010	< 0.0074	< 0.010	< 0.0056	< 0.0066	< 0.0074	< 0.013	< 0.0098	< 0.010	< 0.0078	< 0.017	< 0.018	0.022 ^{JB}	< 0.0075
	2/13/2019	0.0065 ^J	0.0063 ^J	< 0.0055	< 0.0045	< 0.0094	< 0.0068	< 0.0095	0.0060 ^J	< 0.0061	< 0.0068	< 0.012	< 0.0090	0.015 ^J	< 0.0072	< 0.016	< 0.017	0.022 ^J	0.014 ^J
	5/23/2019	< 0.0063	< 0.0053	< 0.0065	< 0.0054	< 0.011	< 0.0081	< 0.011	< 0.0062	< 0.0073	< 0.0081	< 0.014	< 0.011	< 0.011	< 0.0086	< 0.019	< 0.020	< 0.015	< 0.0082
	8/14/2019	< 0.0066	< 0.0055	< 0.0068	< 0.0056	< 0.012	< 0.0085	< 0.012	< 0.0064	< 0.0076	< 0.0085	< 0.015	< 0.011	< 0.012	< 0.0090	< 0.020	< 0.021	< 0.015	< 0.0086
	11/13/2019	< 0.0065	< 0.0054	< 0.0067	< 0.0055	< 0.011	< 0.0083	< 0.012	< 0.0063	< 0.0075	< 0.0083	< 0.014	< 0.011	< 0.012	< 0.0088	< 0.019	< 0.020	< 0.015	< 0.0084
	2/12/2020	< 0.0063	< 0.0052	< 0.0065	< 0.0053	< 0.011	< 0.0080	< 0.011	< 0.0061	< 0.0072	< 0.0080	< 0.014	< 0.011	< 0.011	< 0.0085	< 0.019	< 0.020	< 0.015	< 0.0081
	5/6/2020	0.0082 ^{JB}	< 0.0051	< 0.0063	< 0.0052	< 0.011	< 0.0079	< 0.011	< 0.0060	< 0.0071	< 0.0079	< 0.014	< 0.010	< 0.011	< 0.0083	< 0.018	< 0.019	< 0.014	< 0.0080
MW-2	8/9/2018	0.048 ^b	0.026 ^b	< 0.0061	< 0.0050	< 0.010	< 0.0076	< 0.011	< 0.0057	< 0.0068	< 0.0076	< 0.013	< 0.010	< 0.011	< 0.0080	< 0.018	0.065 ^{JB}	0.058 ^{JB}	< 0.0076
	2/13/2019	5.0	1.1	0.013 ^J	< 0.0045	0.047 ^J	0.016 ^J	< 0.0096	0.015 ^J	< 0.0062	0.0078 ^J	0.026 ^J	< 0.0091	0.064	0.013 ^J	< 0.016	27.0	0.027 ^J	0.060
	5/23/2019	13.5	4.6	< 0.13	< 0.11	< 0.23	< 0.17	< 0.23	< 0.13	< 0.15	< 0.17	< 0.29	< 0.22	< 0.23	< 0.18	< 0.39	80.3	< 0.30	< 0.17
	8/14/2019	0.024 ^J	0.027 ^J	< 0.0075	< 0.0061	< 0.013	< 0.0093	< 0.013	< 0.0071	< 0.0084	< 0.0093	< 0.016	< 0.012	< 0.013	< 0.0098	< 0.022	< 0.023	< 0.017	< 0.0094
	11/13/2019	10.5	4.3	< 0.033	< 0.027	0.079 ^J	< 0.041	< 0.058	< 0.032	< 0.037	< 0.041	< 0.072	< 0.055	< 0.059	< 0.044	< 0.097	62.1	< 0.076	< 0.042
	2/12/2020	0.62	0.066	< 0.0065	< 0.0054	< 0.011	< 0.0081	< 0.011	< 0.0062	< 0.0073	< 0.0081	< 0.014	< 0.011	< 0.011	< 0.0086	< 0.019	3.8	< 0.015	< 0.0082
	5/6/2020	5.5	1.0	0.033 ^{JB}	< 0.011	< 0.022	< 0.016	< 0.023	< 0.012	< 0.015	< 0.016	< 0.028	< 0.022	< 0.023	< 0.017	< 0.038	30.3	< 0.030	< 0.016
MW-3	8/9/2018	< 0.0059	< 0.0049	< 0.0061	< 0.0050	< 0.010	< 0.0076	< 0.011	< 0.0057	< 0.0068	< 0.0076	< 0.013	< 0.010	< 0.011	< 0.0080	< 0.018	< 0.018	0.014 ^{JB}	< 0.0076
	2/13/2019	< 0.0054	< 0.0045	< 0.0056	< 0.0046	< 0.0096	< 0.0069	< 0.0097	0.012 ^J	0.0093 ^J	0.0081 ^J	0.017 ^J	< 0.0092	0.025 ^J	< 0.0073	< 0.016	< 0.017	0.026 ^J	0.026 ^J
	5/23/2019	< 0.0059	< 0.0049	< 0.0061	< 0.0050	< 0.010	< 0.0076	< 0.011	< 0.0057	< 0.0068	< 0.0076	< 0.013	< 0.010	< 0.011	< 0.0080	< 0.018	< 0.018	< 0.014	< 0.0076
	8/14/2019	< 0.0066	< 0.0055	< 0.0068	< 0.0056	< 0.012	< 0.0085	< 0.012	< 0.0064	< 0.0076	< 0.0085	< 0.015	< 0.011	< 0.012	< 0.0090	< 0.020	< 0.021	< 0.015	< 0.0086
	11/13/2019	< 0.0056	< 0.0046	< 0.0057	< 0.0047	< 0.0099	< 0.0071	< 0.0099	< 0.0054	< 0.0064	< 0.0071	< 0.012	< 0.0095	< 0.010	< 0.0075	< 0.017	< 0.017	< 0.013	< 0.0072
	2/12/2020	< 0.0060	< 0.0050	< 0.0062	< 0.0051	< 0.011	< 0.0077	< 0.011	< 0.0059	< 0.0069	< 0.0077	< 0.013	< 0.010	< 0.011	< 0.0081	< 0.018	< 0.019	< 0.014	< 0.0078
	5/6/2020	< 0.0062	< 0.0052	< 0.0064	< 0.0052	< 0.011	< 0.0079	< 0.011	< 0.0060	< 0.0071	< 0.0079	< 0.014	< 0.011	< 0.011	< 0.0084	< 0.019	< 0.019	< 0.015	< 0.0081
MW-4	8/9/2018	< 0.0055	< 0.0045	< 0.0056	< 0.0046	< 0.0097	< 0.0070	< 0.0098	< 0.0053	< 0.0063	< 0.0070	< 0.012	< 0.0093	< 0.0099	< 0.0074	< 0.016	< 0.017	< 0.013	< 0.0071
	2/13/2019	0.0073 ^J	0.0071 ^J	< 0.0055	< 0.0045	< 0.0094	< 0.0068	< 0.0095	< 0.0052	< 0.0061	< 0.0068	< 0.012	< 0.0090	< 0.0096	< 0.0072	< 0.016	< 0.017	0.013 ^J	< 0.0069
	5/23/2019	< 0.0062	< 0.0052	< 0.0064	< 0.0052	< 0.011	< 0.0079	< 0.011	< 0.0060	< 0.0071	0.0088 ^J	< 0.014	< 0.011	< 0.011	< 0.0084	< 0.019	< 0.019	< 0.015	< 0.0081
	8/14/2019	< 0.0064	< 0.0053	< 0.0066	< 0.0054	< 0.011	0.015 ^J	< 0.011	0.013 ^J	0.011 ^J	0.012 ^J	< 0.014	< 0.011	< 0.012	< 0.0087	< 0.019	< 0.020	< 0.015	0.010 ^J
	11/13/2019	< 0.0061	< 0.0051	< 0.0063	< 0.0051	< 0.011	0.0089 ^J	< 0.011	0.0082 ^J	0.010 ^J	0.0090 ^J	< 0.013	< 0.010	< 0.011	< 0.0082	< 0.018	< 0.019	< 0.014	0.0081 ^J
	2/12/2020	< 0.0053	< 0.0053	< 0.0065	< 0.0054	< 0.011	< 0.0081	< 0.011	< 0.0062	< 0.0073	< 0.0081	< 0.014	< 0.011	< 0.011	< 0.0086	< 0.019	< 0.020	< 0.015	< 0.0082
	5/6/2020	< 0.0059	< 0.0049	< 0.0061	< 0.0050	0.011 ^J	< 0.0076	< 0.011	< 0.0057	< 0.0068	< 0.0076	< 0.013	< 0.010	< 0.011	< 0.0080	< 0.018	< 0.018	< 0.014	< 0.0076

Table 4
Polycyclic Aromatic Hydrocarbons in Groundwater
704 75th Street, Kenosha, Wisconsin

Field ID	Sample Date	1-Methyl naphthalene	2-Methyl naphthalene	Ace-naphthene	Ace-naphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo (g,h,i) perylene	Benzo(k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
MW-4 DUP	8/9/2018	< 0.0057	< 0.0048	< 0.0059	< 0.0048	< 0.010	< 0.0073	< 0.010	< 0.0056	< 0.0066	< 0.0073	< 0.013	< 0.0097	< 0.010	< 0.0077	< 0.017	< 0.018	< 0.013	< 0.0074
	2/13/2019	< 0.0053	< 0.0044	< 0.0055	< 0.0045	< 0.0094	< 0.0068	< 0.0095	< 0.0052	< 0.0061	< 0.0068	< 0.12	< 0.0090	< 0.0096	< 0.0072	< 0.016	< 0.017	< 0.012	< 0.0069
	5/23/2019	< 0.0059	< 0.0049	< 0.0061	< 0.0050	< 0.010	< 0.0076	< 0.011	< 0.0057	< 0.0068	< 0.0076	< 0.013	< 0.010	< 0.011	< 0.0080	< 0.018	< 0.018	< 0.014	< 0.0076
	8/14/2019	< 0.0069	< 0.0058	< 0.0071	< 0.0059	< 0.012	< 0.0089	< 0.012	0.0095^J	< 0.0080	< 0.0089	< 0.015	< 0.012	< 0.013	< 0.0094	< 0.021	< 0.022	< 0.016	0.011^J
	11/13/2019	< 0.0058	< 0.0049	< 0.0060	< 0.0049	< 0.010	< 0.0075	< 0.010	< 0.0057	< 0.0067	< 0.0075	< 0.013	< 0.0099	< 0.011	< 0.0079	< 0.017	< 0.018	< 0.014	< 0.0076
	2/12/2020	< 0.0064	< 0.0053	< 0.0066	< 0.0054	< 0.011	< 0.0082	< 0.011	< 0.0062	< 0.0074	< 0.0082	< 0.014	< 0.011	< 0.012	< 0.0087	< 0.019	< 0.020	< 0.015	< 0.0083
	5/6/2020	< 0.0062	< 0.0052	< 0.0064	< 0.0052	0.013^J	< 0.0079	< 0.011	< 0.0060	< 0.0071	< 0.0079	< 0.014	< 0.011	< 0.011	< 0.0084	< 0.019	< 0.019	< 0.015	< 0.0081
	PAL:	--	--	--	--	600	--	0.02	0.02	--	--	0.02	--	80	80	--	10	--	50
	ES:	--	--	--	--	3,000	--	0.2	0.2	--	--	0.2	--	400	400	--	100	--	250

Notes:

ug/L = micrograms per liter

^J = Estimated value

^b = Detected in laboratory blank

-- PAL or ES has not been established

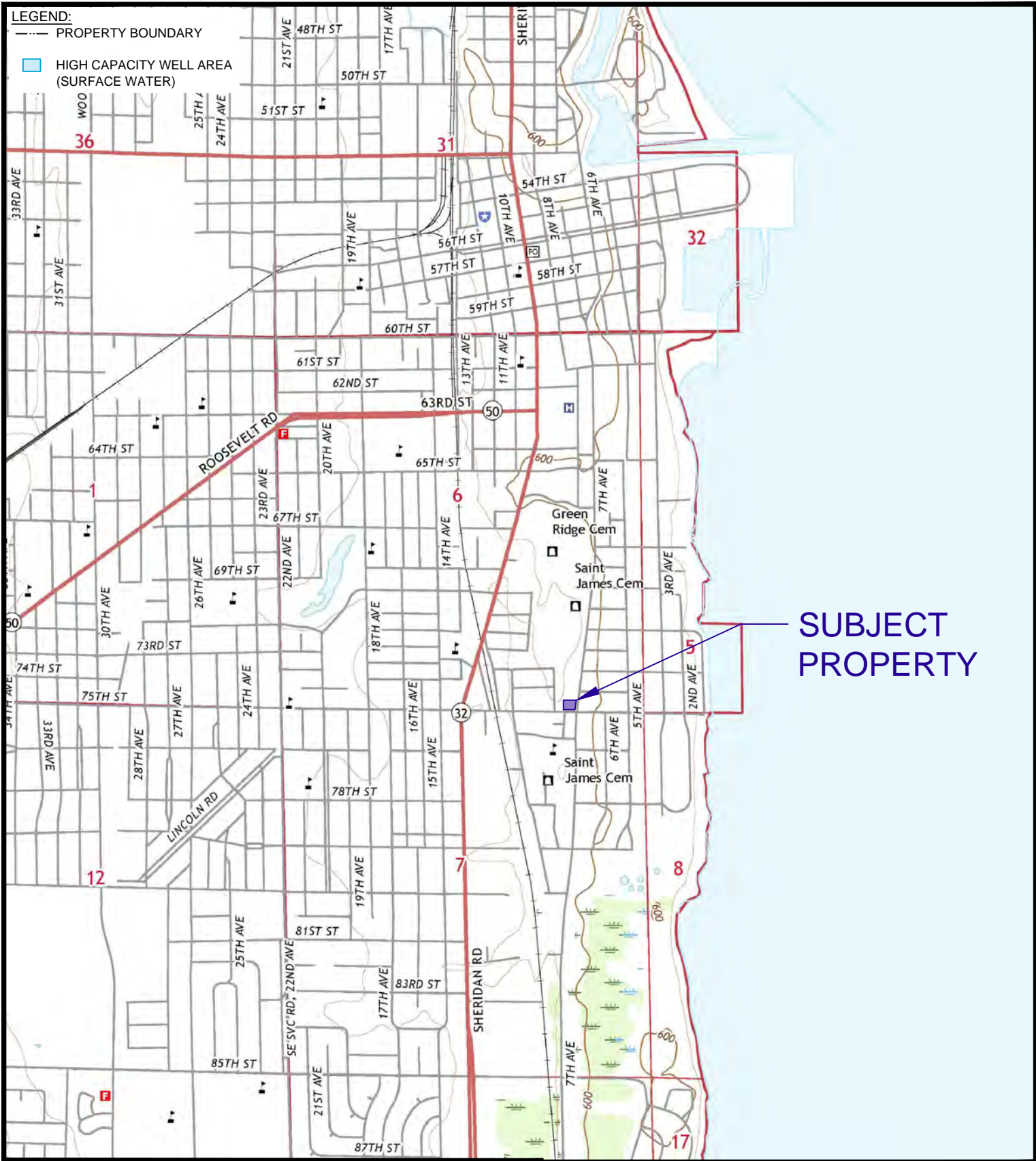
PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are **bold**.

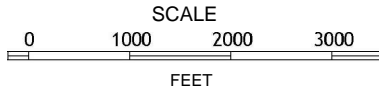
Figures

LEGEND:

- — — PROPERTY BOUNDARY
- HIGH CAPACITY WELL AREA (SURFACE WATER)



**SUBJECT
PROPERTY**



AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

Former Gas Station
704 75th Street
Kenosha, WI 53143

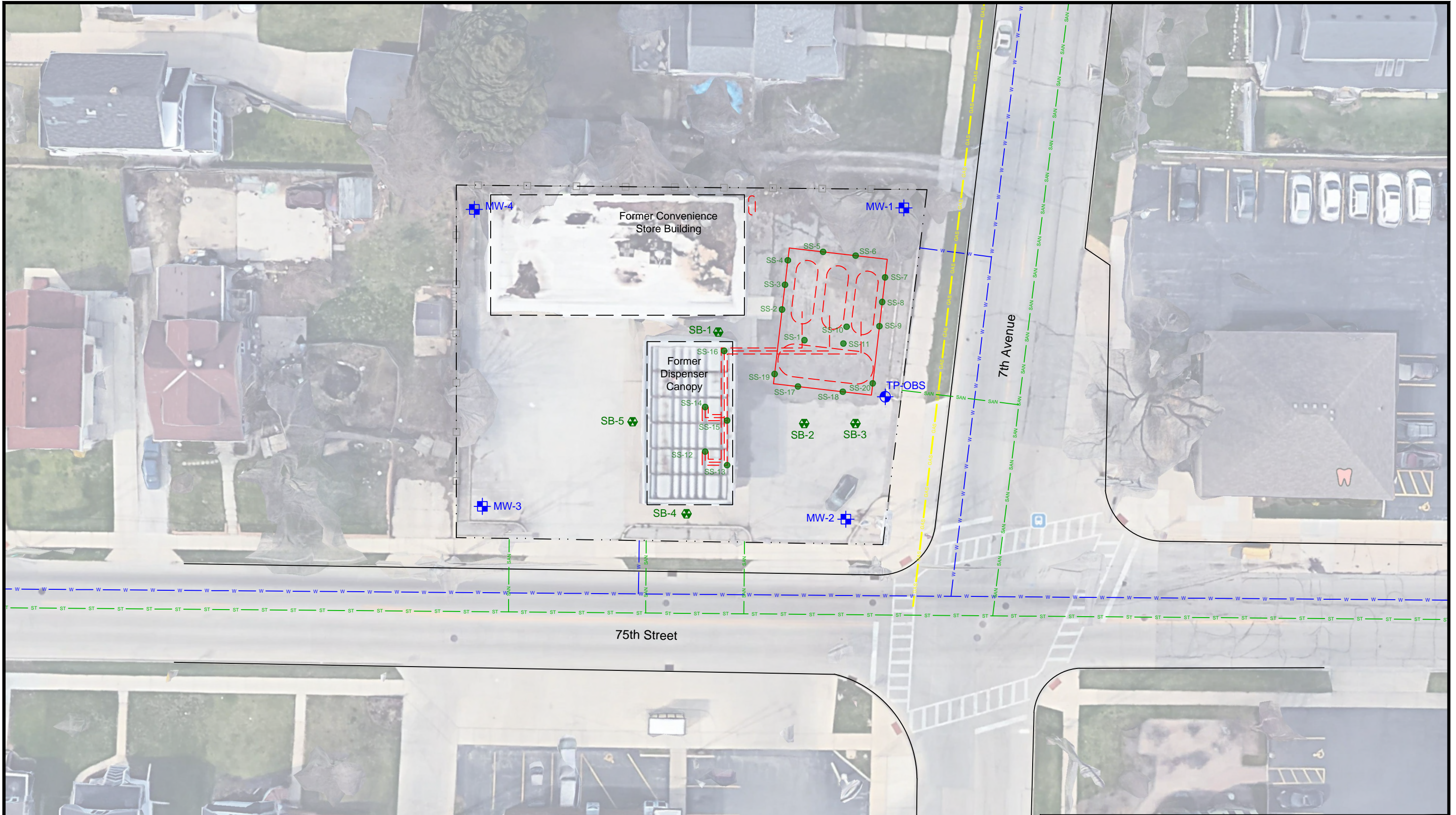
LOCATION MAP

Notes:
1. USGS 7.5 MINUTE TOPOGRAPHIC MAPS:
KENOSHA, WI QUADRANGLE (2016)



Project Number: 60578411	Drawn By: SAE/USM	Date: 6/3/2019	Figure No. 1
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File: \\USM\W\K\F\001\Prod\Data\Projects\6057841\1900_Work\CADD\704 75th St_2020 - Quarterly Monitoring.dwg, USER: MACKINNEY, JOEL; PLOTTED: May 19, 2020 - 6:16 PM



- LEGEND:**
- - - - PROPERTY BOUNDARY
 - FENCE
 - ROADS
 - - - - FORMER BUILDING & CANOPY
 - (---) FORMER UST
 - - - - FORMER UNDERGROUND PIPING
 - GAS — UTILITY - GAS
 - W — UTILITY - WATER
 - SAN — UTILITY - SANITARY SEWER

- ⊕ MONITORING WELL
- ⊕ OBSERVATION WELL
- TSSA SOIL SAMPLE LOCATION
- ⊕ SITE INVESTIGATION SOIL BORING

- NOTES:**
- AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/12/2018.



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 704 75th Street
 Kenosha, WI 53143

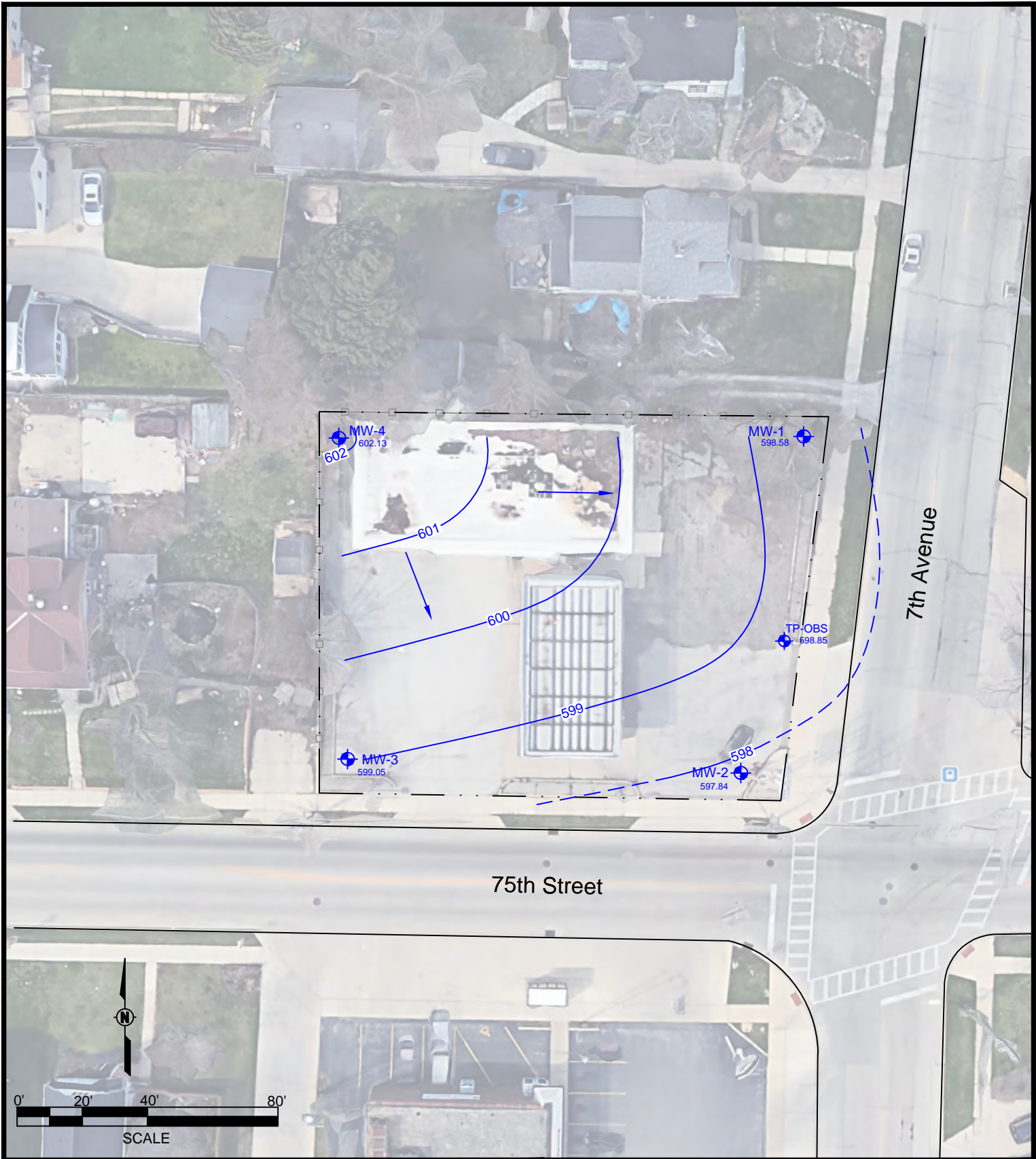
DETAILED SITE MAP

Project Number:
60578411

Drawn By:
SAE/JSM

Date:
5/18/2020

Figure No. 2



NOTES:

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/12/2018.

LEGEND:

- - - - - PROPERTY BOUNDARY
- - - - - FENCE
- - - - - ROADS
- MONITORING WELL
- 602 GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR
- GROUNDWATER FLOW

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 1555 RiverCenter Dr
 Milwaukee, WI
 414.944.6080



Former Gas Station
 704 75th Street
 Kenosha, WI 53143

**POTENTIOMETRIC SURFACE
 MONITORING WELLS - MAY 2020**

Project Number:
 60578411

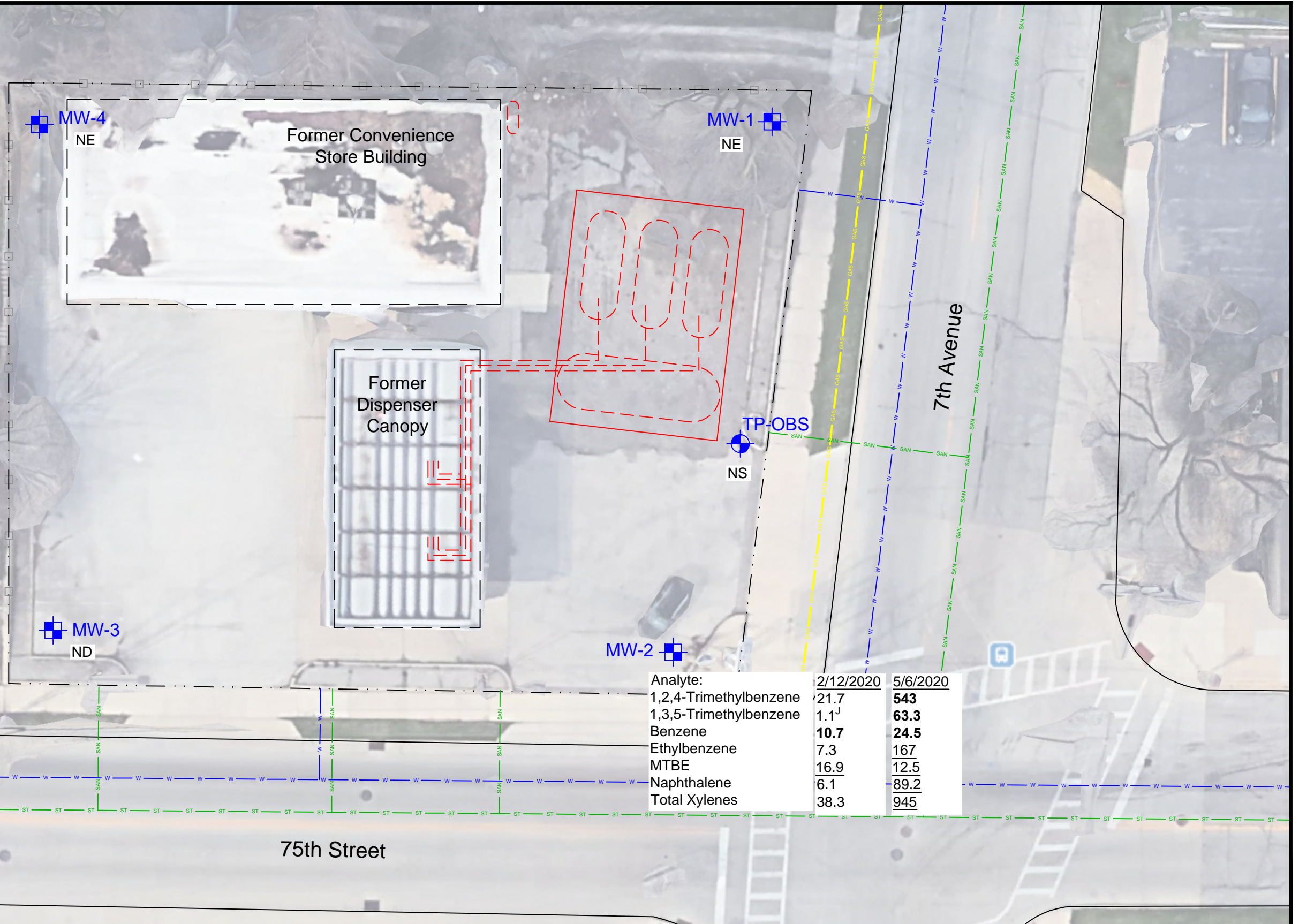
Drawn By:
 JSM

Date:
 5/19/2020

Figure No. 3

NOTES:

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/12/2018.
2. LABORATORY DATA REPORTED IN MICROGRAMS PER LITER (UG/L).
3. GROUNDWATER RESULTS ABOVE WDNR NR 140 GROUNDWATER QUALITY STANDARDS (FEBRUARY 2017).
4. PREVENTIVE ACTION LIMIT EXCEEDANCES ARE UNDERLINED ITALICS.
5. ENFORCEMENT STANDARD EXCEEDANCES ARE **BOLD**.



Analyte:	2/12/2020	5/6/2020
1,2,4-Trimethylbenzene	21.7	543
1,3,5-Trimethylbenzene	1.1 ^J	63.3
Benzene	10.7	24.5
Ethylbenzene	7.3	<u>167</u>
MTBE	<u>16.9</u>	<u>12.5</u>
Naphthalene	6.1	<u>89.2</u>
Total Xylenes	38.3	<u>945</u>

LEGEND:

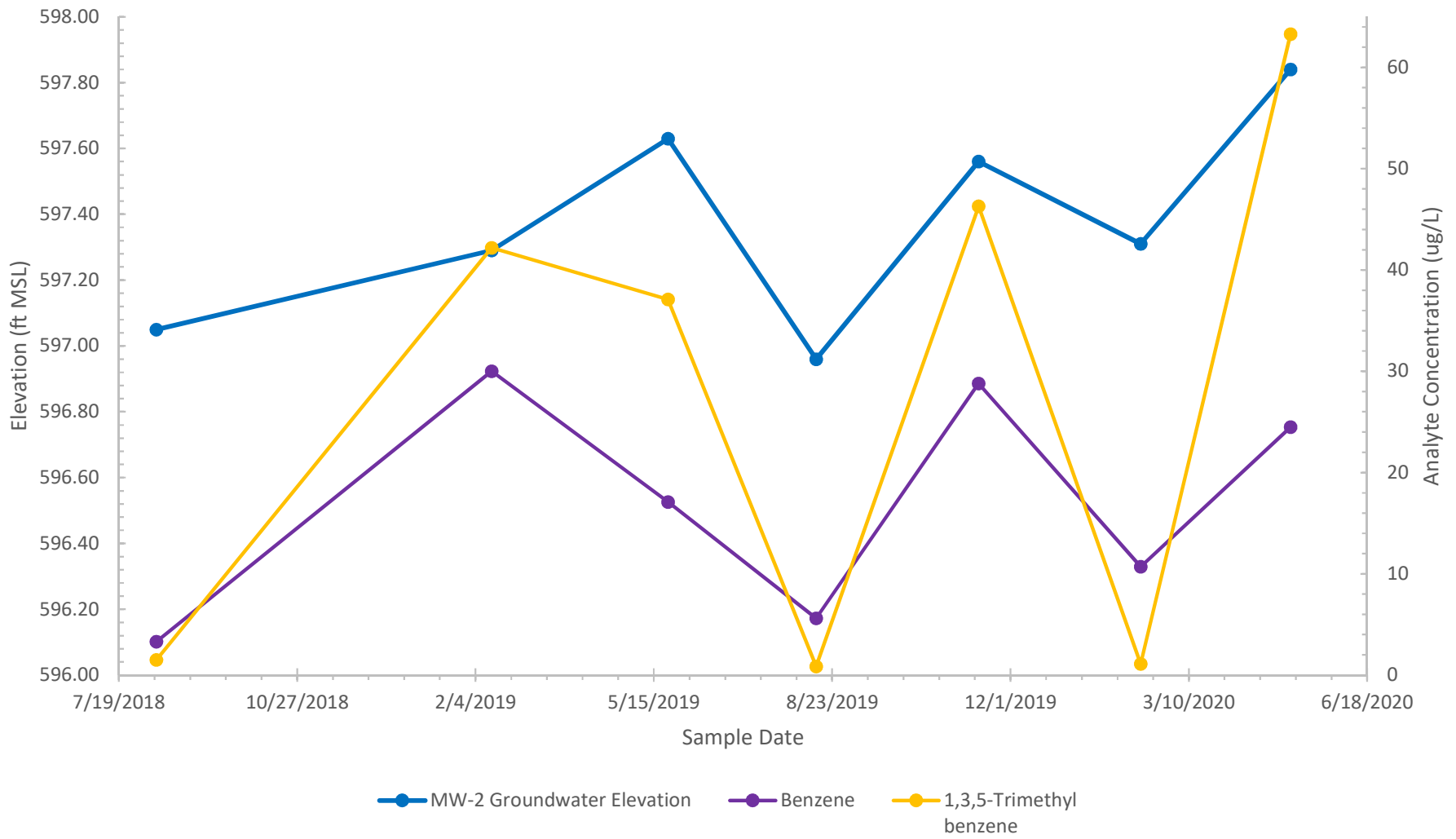
- - - - PROPERTY BOUNDARY
- FENCE
- ROADS
- - - - FORMER BUILDING & CANOPY
- ⬡ FORMER UST
- - - - FORMER UNDERGROUND PIPING
- GAS — UTILITY - GAS
- W — UTILITY - WATER
- SAN — UTILITY - SANITARY SEWER
- ⊕ MONITORING WELL
- ⊕ OBSERVATION WELL
- ND NO DETECTS
- NS NOT SAMPLED
- NE NO EXCEEDANCES



AECOM Milwaukee Office 1555 RiverCenter Dr Milwaukee, WI 414.944.6080	Former Gas Station 704 75th Street Kenosha, WI 53143	
	GROUNDWATER QUALITY EXCEEDANCES MAY 6, 2020	
Project Number: 60578411	Drawn By: JSM	Date: 5/18/2020

File: \\USM\W\K\F\001\Prod\Data\Projects\60578411\900_ Work\CADD\704 75th St_2020 - Quarterly Monitoring.dwg; USER: MACKINNEY, JOEL; PLOTTED: May 19, 2020 - 6:18 PM

Figure 5
Groundwater Elevation and Select Analyte Concentrations at MW-2 Through Time
704 75th Street, Kenosha, Wisconsin



Laboratory Analytical Report

May 15, 2020

Lanette Altenbach
AECOM, Inc.
1555 N River Center Drive
Suite 214
Milwaukee, WI 53212

RE: Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on May 09, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Joel Mackinney, AECOM



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40207508001	TRIP BLANK	Water	05/06/20 12:00	05/09/20 08:35
40207508002	MW-1	Water	05/06/20 12:50	05/09/20 08:35
40207508003	MW-2	Water	05/06/20 13:15	05/09/20 08:35
40207508004	MW-3	Water	05/06/20 12:15	05/09/20 08:35
40207508005	MW-4	Water	05/06/20 12:30	05/09/20 08:35
40207508006	MW-4D	Water	05/06/20 12:30	05/09/20 08:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40207508001	TRIP BLANK	EPA 8260	HNW	63	PASI-G
40207508002	MW-1	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40207508003	MW-2	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW, LAP	63	PASI-G
40207508004	MW-3	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40207508005	MW-4	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40207508006	MW-4D	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40207508002	MW-1					
EPA 8270 by HVI	1-Methylnaphthalene	0.0082J	ug/L	0.031	05/13/20 15:46	B
40207508003	MW-2					
EPA 8270 by HVI	Acenaphthene	0.033J	ug/L	0.065	05/13/20 20:59	B
EPA 8270 by HVI	1-Methylnaphthalene	5.5	ug/L	0.063	05/13/20 20:59	
EPA 8270 by HVI	2-Methylnaphthalene	1.0	ug/L	0.053	05/13/20 20:59	
EPA 8270 by HVI	Naphthalene	30.3	ug/L	0.20	05/13/20 20:59	
EPA 8260	Benzene	24.5	ug/L	1.0	05/12/20 01:19	
EPA 8260	Ethylbenzene	167	ug/L	1.1	05/12/20 01:19	
EPA 8260	Isopropylbenzene (Cumene)	84.0	ug/L	5.6	05/12/20 01:19	
EPA 8260	Methyl-tert-butyl ether	12.5	ug/L	4.2	05/12/20 01:19	
EPA 8260	Naphthalene	89.2	ug/L	5.0	05/12/20 01:19	
EPA 8260	n-Propylbenzene	135	ug/L	5.0	05/12/20 01:19	
EPA 8260	Toluene	0.33J	ug/L	0.90	05/12/20 01:19	
EPA 8260	1,2,4-Trimethylbenzene	543	ug/L	28.0	05/12/20 09:47	
EPA 8260	1,3,5-Trimethylbenzene	63.3	ug/L	2.9	05/12/20 01:19	
EPA 8260	Xylene (Total)	945	ug/L	30.0	05/12/20 09:47	
40207508005	MW-4					
EPA 8270 by HVI	Anthracene	0.011J	ug/L	0.052	05/13/20 16:23	
40207508006	MW-4D					
EPA 8270 by HVI	Anthracene	0.013J	ug/L	0.055	05/13/20 16:42	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Sample: TRIP BLANK Lab ID: 40207508001 Collected: 05/06/20 12:00 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/11/20 21:19	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/11/20 21:19	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/11/20 21:19	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/11/20 21:19	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/11/20 21:19	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/11/20 21:19	74-83-9	L2
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/11/20 21:19	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/11/20 21:19	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/11/20 21:19	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/11/20 21:19	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/11/20 21:19	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/11/20 21:19	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/11/20 21:19	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/11/20 21:19	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/11/20 21:19	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/11/20 21:19	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/11/20 21:19	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/11/20 21:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/11/20 21:19	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/11/20 21:19	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/11/20 21:19	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/11/20 21:19	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/11/20 21:19	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/11/20 21:19	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/11/20 21:19	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/11/20 21:19	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/11/20 21:19	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/11/20 21:19	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/11/20 21:19	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/11/20 21:19	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/11/20 21:19	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/11/20 21:19	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/11/20 21:19	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/11/20 21:19	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/11/20 21:19	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/11/20 21:19	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/11/20 21:19	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/11/20 21:19	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/11/20 21:19	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/11/20 21:19	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/11/20 21:19	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/11/20 21:19	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/11/20 21:19	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/11/20 21:19	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/11/20 21:19	100-42-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Sample: TRIP BLANK **Lab ID: 40207508001** Collected: 05/06/20 12:00 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/11/20 21:19	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/11/20 21:19	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/11/20 21:19	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/11/20 21:19	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/11/20 21:19	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/11/20 21:19	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/11/20 21:19	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/11/20 21:19	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/11/20 21:19	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/11/20 21:19	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/11/20 21:19	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/11/20 21:19	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/11/20 21:19	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/11/20 21:19	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/11/20 21:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		05/11/20 21:19	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		05/11/20 21:19	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/11/20 21:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Sample: MW-1 **Lab ID: 40207508002** Collected: 05/06/20 12:50 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.0063	ug/L	0.032	0.0063	1	05/13/20 07:00	05/13/20 15:46	83-32-9	
Acenaphthylene	<0.0052	ug/L	0.026	0.0052	1	05/13/20 07:00	05/13/20 15:46	208-96-8	
Anthracene	<0.011	ug/L	0.054	0.011	1	05/13/20 07:00	05/13/20 15:46	120-12-7	
Benzo(a)anthracene	<0.0079	ug/L	0.039	0.0079	1	05/13/20 07:00	05/13/20 15:46	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.055	0.011	1	05/13/20 07:00	05/13/20 15:46	50-32-8	
Benzo(b)fluoranthene	<0.0060	ug/L	0.030	0.0060	1	05/13/20 07:00	05/13/20 15:46	205-99-2	
Benzo(g,h,i)perylene	<0.0071	ug/L	0.035	0.0071	1	05/13/20 07:00	05/13/20 15:46	191-24-2	L1
Benzo(k)fluoranthene	<0.0079	ug/L	0.039	0.0079	1	05/13/20 07:00	05/13/20 15:46	207-08-9	
Chrysene	<0.014	ug/L	0.068	0.014	1	05/13/20 07:00	05/13/20 15:46	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.052	0.010	1	05/13/20 07:00	05/13/20 15:46	53-70-3	
Fluoranthene	<0.011	ug/L	0.056	0.011	1	05/13/20 07:00	05/13/20 15:46	206-44-0	
Fluorene	<0.0083	ug/L	0.042	0.0083	1	05/13/20 07:00	05/13/20 15:46	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.092	0.018	1	05/13/20 07:00	05/13/20 15:46	193-39-5	
1-Methylnaphthalene	0.0082J	ug/L	0.031	0.0061	1	05/13/20 07:00	05/13/20 15:46	90-12-0	B
2-Methylnaphthalene	<0.0051	ug/L	0.026	0.0051	1	05/13/20 07:00	05/13/20 15:46	91-57-6	
Naphthalene	<0.019	ug/L	0.095	0.019	1	05/13/20 07:00	05/13/20 15:46	91-20-3	
Phenanthrene	<0.014	ug/L	0.072	0.014	1	05/13/20 07:00	05/13/20 15:46	85-01-8	
Pyrene	<0.0080	ug/L	0.040	0.0080	1	05/13/20 07:00	05/13/20 15:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	39-120		1	05/13/20 07:00	05/13/20 15:46	321-60-8	
Terphenyl-d14 (S)	86	%	10-159		1	05/13/20 07:00	05/13/20 15:46	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/12/20 00:57	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/12/20 00:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/12/20 00:57	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/12/20 00:57	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/12/20 00:57	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/12/20 00:57	74-83-9	L2
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/12/20 00:57	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/12/20 00:57	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/12/20 00:57	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/12/20 00:57	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/12/20 00:57	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/12/20 00:57	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/12/20 00:57	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/12/20 00:57	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/12/20 00:57	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/12/20 00:57	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/12/20 00:57	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/12/20 00:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/12/20 00:57	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/12/20 00:57	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/12/20 00:57	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Sample: MW-1 **Lab ID: 40207508002** Collected: 05/06/20 12:50 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/12/20 00:57	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/12/20 00:57	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/12/20 00:57	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/12/20 00:57	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/12/20 00:57	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/12/20 00:57	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/12/20 00:57	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/12/20 00:57	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/12/20 00:57	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/12/20 00:57	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/12/20 00:57	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/12/20 00:57	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/12/20 00:57	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/12/20 00:57	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/12/20 00:57	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/12/20 00:57	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/12/20 00:57	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/12/20 00:57	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/12/20 00:57	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/12/20 00:57	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/12/20 00:57	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/12/20 00:57	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/12/20 00:57	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/12/20 00:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/12/20 00:57	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/12/20 00:57	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/12/20 00:57	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/12/20 00:57	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/12/20 00:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/12/20 00:57	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/12/20 00:57	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/12/20 00:57	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/12/20 00:57	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/12/20 00:57	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/12/20 00:57	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/12/20 00:57	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/12/20 00:57	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/12/20 00:57	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/12/20 00:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		05/12/20 00:57	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		05/12/20 00:57	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/12/20 00:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Sample: MW-2 **Lab ID: 40207508003** Collected: 05/06/20 13:15 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.033J	ug/L	0.065	0.013	2	05/13/20 07:00	05/13/20 20:59	83-32-9	B
Acenaphthylene	<0.011	ug/L	0.054	0.011	2	05/13/20 07:00	05/13/20 20:59	208-96-8	
Anthracene	<0.022	ug/L	0.11	0.022	2	05/13/20 07:00	05/13/20 20:59	120-12-7	
Benzo(a)anthracene	<0.016	ug/L	0.081	0.016	2	05/13/20 07:00	05/13/20 20:59	56-55-3	
Benzo(a)pyrene	<0.023	ug/L	0.11	0.023	2	05/13/20 07:00	05/13/20 20:59	50-32-8	
Benzo(b)fluoranthene	<0.012	ug/L	0.062	0.012	2	05/13/20 07:00	05/13/20 20:59	205-99-2	
Benzo(g,h,i)perylene	<0.015	ug/L	0.073	0.015	2	05/13/20 07:00	05/13/20 20:59	191-24-2	L1
Benzo(k)fluoranthene	<0.016	ug/L	0.081	0.016	2	05/13/20 07:00	05/13/20 20:59	207-08-9	
Chrysene	<0.028	ug/L	0.14	0.028	2	05/13/20 07:00	05/13/20 20:59	218-01-9	
Dibenz(a,h)anthracene	<0.022	ug/L	0.11	0.022	2	05/13/20 07:00	05/13/20 20:59	53-70-3	
Fluoranthene	<0.023	ug/L	0.11	0.023	2	05/13/20 07:00	05/13/20 20:59	206-44-0	
Fluorene	<0.017	ug/L	0.086	0.017	2	05/13/20 07:00	05/13/20 20:59	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.038	ug/L	0.19	0.038	2	05/13/20 07:00	05/13/20 20:59	193-39-5	
1-Methylnaphthalene	5.5	ug/L	0.063	0.013	2	05/13/20 07:00	05/13/20 20:59	90-12-0	
2-Methylnaphthalene	1.0	ug/L	0.053	0.011	2	05/13/20 07:00	05/13/20 20:59	91-57-6	
Naphthalene	30.3	ug/L	0.20	0.039	2	05/13/20 07:00	05/13/20 20:59	91-20-3	
Phenanthrene	<0.030	ug/L	0.15	0.030	2	05/13/20 07:00	05/13/20 20:59	85-01-8	
Pyrene	<0.016	ug/L	0.082	0.016	2	05/13/20 07:00	05/13/20 20:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	39-120		2	05/13/20 07:00	05/13/20 20:59	321-60-8	
Terphenyl-d14 (S)	76	%	10-159		2	05/13/20 07:00	05/13/20 20:59	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	24.5	ug/L	1.0	0.25	1		05/12/20 01:19	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/12/20 01:19	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/12/20 01:19	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/12/20 01:19	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/12/20 01:19	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/12/20 01:19	74-83-9	L2
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/12/20 01:19	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/12/20 01:19	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/12/20 01:19	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/12/20 01:19	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/12/20 01:19	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/12/20 01:19	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/12/20 01:19	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/12/20 01:19	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/12/20 01:19	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/12/20 01:19	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/12/20 01:19	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/12/20 01:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/12/20 01:19	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/12/20 01:19	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/12/20 01:19	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Sample: MW-2 **Lab ID: 40207508003** Collected: 05/06/20 13:15 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/12/20 01:19	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/12/20 01:19	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/12/20 01:19	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/12/20 01:19	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/12/20 01:19	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/12/20 01:19	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/12/20 01:19	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/12/20 01:19	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/12/20 01:19	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/12/20 01:19	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/12/20 01:19	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/12/20 01:19	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/12/20 01:19	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/12/20 01:19	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/12/20 01:19	108-20-3	
Ethylbenzene	167	ug/L	1.1	0.32	1		05/12/20 01:19	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/12/20 01:19	87-68-3	
Isopropylbenzene (Cumene)	84.0	ug/L	5.6	1.7	1		05/12/20 01:19	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/12/20 01:19	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/12/20 01:19	75-09-2	
Methyl-tert-butyl ether	12.5	ug/L	4.2	1.2	1		05/12/20 01:19	1634-04-4	
Naphthalene	89.2	ug/L	5.0	1.2	1		05/12/20 01:19	91-20-3	
n-Propylbenzene	135	ug/L	5.0	0.81	1		05/12/20 01:19	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/12/20 01:19	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/12/20 01:19	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/12/20 01:19	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/12/20 01:19	127-18-4	
Toluene	0.33J	ug/L	0.90	0.27	1		05/12/20 01:19	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/12/20 01:19	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/12/20 01:19	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/12/20 01:19	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/12/20 01:19	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/12/20 01:19	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/12/20 01:19	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/12/20 01:19	96-18-4	
1,2,4-Trimethylbenzene	543	ug/L	28.0	8.4	10		05/12/20 09:47	95-63-6	
1,3,5-Trimethylbenzene	63.3	ug/L	2.9	0.87	1		05/12/20 01:19	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/12/20 01:19	75-01-4	
Xylene (Total)	945	ug/L	30.0	15.0	10		05/12/20 09:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/12/20 01:19	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/12/20 01:19	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/12/20 01:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Sample: MW-3 **Lab ID: 40207508004** Collected: 05/06/20 12:15 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.0064	ug/L	0.032	0.0064	1	05/13/20 07:00	05/13/20 16:05	83-32-9	
Acenaphthylene	<0.0052	ug/L	0.026	0.0052	1	05/13/20 07:00	05/13/20 16:05	208-96-8	
Anthracene	<0.011	ug/L	0.055	0.011	1	05/13/20 07:00	05/13/20 16:05	120-12-7	
Benzo(a)anthracene	<0.0079	ug/L	0.040	0.0079	1	05/13/20 07:00	05/13/20 16:05	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.055	0.011	1	05/13/20 07:00	05/13/20 16:05	50-32-8	
Benzo(b)fluoranthene	<0.0060	ug/L	0.030	0.0060	1	05/13/20 07:00	05/13/20 16:05	205-99-2	
Benzo(g,h,i)perylene	<0.0071	ug/L	0.036	0.0071	1	05/13/20 07:00	05/13/20 16:05	191-24-2	L1
Benzo(k)fluoranthene	<0.0079	ug/L	0.040	0.0079	1	05/13/20 07:00	05/13/20 16:05	207-08-9	
Chrysene	<0.014	ug/L	0.069	0.014	1	05/13/20 07:00	05/13/20 16:05	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.053	0.011	1	05/13/20 07:00	05/13/20 16:05	53-70-3	
Fluoranthene	<0.011	ug/L	0.056	0.011	1	05/13/20 07:00	05/13/20 16:05	206-44-0	
Fluorene	<0.0084	ug/L	0.042	0.0084	1	05/13/20 07:00	05/13/20 16:05	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.093	0.019	1	05/13/20 07:00	05/13/20 16:05	193-39-5	
1-Methylnaphthalene	<0.0062	ug/L	0.031	0.0062	1	05/13/20 07:00	05/13/20 16:05	90-12-0	
2-Methylnaphthalene	<0.0052	ug/L	0.026	0.0052	1	05/13/20 07:00	05/13/20 16:05	91-57-6	
Naphthalene	<0.019	ug/L	0.096	0.019	1	05/13/20 07:00	05/13/20 16:05	91-20-3	
Phenanthrene	<0.015	ug/L	0.073	0.015	1	05/13/20 07:00	05/13/20 16:05	85-01-8	
Pyrene	<0.0081	ug/L	0.040	0.0081	1	05/13/20 07:00	05/13/20 16:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	39-120		1	05/13/20 07:00	05/13/20 16:05	321-60-8	
Terphenyl-d14 (S)	85	%	10-159		1	05/13/20 07:00	05/13/20 16:05	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/13/20 16:37	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/13/20 16:37	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/13/20 16:37	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/13/20 16:37	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/13/20 16:37	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/13/20 16:37	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 16:37	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/13/20 16:37	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/13/20 16:37	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/13/20 16:37	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 16:37	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/13/20 16:37	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/13/20 16:37	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/13/20 16:37	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/13/20 16:37	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/13/20 16:37	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/13/20 16:37	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/13/20 16:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/13/20 16:37	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/13/20 16:37	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 16:37	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Sample: MW-3 **Lab ID: 40207508004** Collected: 05/06/20 12:15 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/13/20 16:37	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/13/20 16:37	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/13/20 16:37	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/13/20 16:37	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/13/20 16:37	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/13/20 16:37	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/13/20 16:37	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/13/20 16:37	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/13/20 16:37	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/13/20 16:37	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/13/20 16:37	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/13/20 16:37	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/13/20 16:37	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/13/20 16:37	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/13/20 16:37	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/13/20 16:37	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/13/20 16:37	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/13/20 16:37	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/13/20 16:37	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/13/20 16:37	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/13/20 16:37	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/13/20 16:37	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/13/20 16:37	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/13/20 16:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/13/20 16:37	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/13/20 16:37	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/13/20 16:37	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/13/20 16:37	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/13/20 16:37	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/13/20 16:37	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/13/20 16:37	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/13/20 16:37	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/13/20 16:37	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/13/20 16:37	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/13/20 16:37	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/13/20 16:37	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/13/20 16:37	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/13/20 16:37	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/13/20 16:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/13/20 16:37	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/13/20 16:37	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/13/20 16:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Sample: MW-4 **Lab ID: 40207508005** Collected: 05/06/20 12:30 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.0061	ug/L	0.030	0.0061	1	05/13/20 07:00	05/13/20 16:23	83-32-9	
Acenaphthylene	<0.0050	ug/L	0.025	0.0050	1	05/13/20 07:00	05/13/20 16:23	208-96-8	
Anthracene	0.011J	ug/L	0.052	0.010	1	05/13/20 07:00	05/13/20 16:23	120-12-7	
Benzo(a)anthracene	<0.0076	ug/L	0.038	0.0076	1	05/13/20 07:00	05/13/20 16:23	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	05/13/20 07:00	05/13/20 16:23	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.029	0.0057	1	05/13/20 07:00	05/13/20 16:23	205-99-2	
Benzo(g,h,i)perylene	<0.0068	ug/L	0.034	0.0068	1	05/13/20 07:00	05/13/20 16:23	191-24-2	L1
Benzo(k)fluoranthene	<0.0076	ug/L	0.038	0.0076	1	05/13/20 07:00	05/13/20 16:23	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	05/13/20 07:00	05/13/20 16:23	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.050	0.010	1	05/13/20 07:00	05/13/20 16:23	53-70-3	
Fluoranthene	<0.011	ug/L	0.053	0.011	1	05/13/20 07:00	05/13/20 16:23	206-44-0	
Fluorene	<0.0080	ug/L	0.040	0.0080	1	05/13/20 07:00	05/13/20 16:23	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.088	0.018	1	05/13/20 07:00	05/13/20 16:23	193-39-5	
1-Methylnaphthalene	<0.0059	ug/L	0.030	0.0059	1	05/13/20 07:00	05/13/20 16:23	90-12-0	
2-Methylnaphthalene	<0.0049	ug/L	0.024	0.0049	1	05/13/20 07:00	05/13/20 16:23	91-57-6	
Naphthalene	<0.018	ug/L	0.092	0.018	1	05/13/20 07:00	05/13/20 16:23	91-20-3	
Phenanthrene	<0.014	ug/L	0.069	0.014	1	05/13/20 07:00	05/13/20 16:23	85-01-8	
Pyrene	<0.0076	ug/L	0.038	0.0076	1	05/13/20 07:00	05/13/20 16:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	39-120		1	05/13/20 07:00	05/13/20 16:23	321-60-8	
Terphenyl-d14 (S)	81	%	10-159		1	05/13/20 07:00	05/13/20 16:23	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/13/20 16:59	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/13/20 16:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/13/20 16:59	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/13/20 16:59	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/13/20 16:59	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/13/20 16:59	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 16:59	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/13/20 16:59	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/13/20 16:59	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/13/20 16:59	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 16:59	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/13/20 16:59	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/13/20 16:59	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/13/20 16:59	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/13/20 16:59	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/13/20 16:59	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/13/20 16:59	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/13/20 16:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/13/20 16:59	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/13/20 16:59	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 16:59	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Sample: MW-4 **Lab ID: 40207508005** Collected: 05/06/20 12:30 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/13/20 16:59	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/13/20 16:59	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/13/20 16:59	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/13/20 16:59	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/13/20 16:59	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/13/20 16:59	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/13/20 16:59	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/13/20 16:59	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/13/20 16:59	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/13/20 16:59	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/13/20 16:59	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/13/20 16:59	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/13/20 16:59	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/13/20 16:59	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/13/20 16:59	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/13/20 16:59	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/13/20 16:59	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/13/20 16:59	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/13/20 16:59	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/13/20 16:59	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/13/20 16:59	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/13/20 16:59	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/13/20 16:59	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/13/20 16:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/13/20 16:59	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/13/20 16:59	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/13/20 16:59	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/13/20 16:59	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/13/20 16:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/13/20 16:59	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/13/20 16:59	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/13/20 16:59	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/13/20 16:59	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/13/20 16:59	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/13/20 16:59	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/13/20 16:59	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/13/20 16:59	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/13/20 16:59	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/13/20 16:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		05/13/20 16:59	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/13/20 16:59	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/13/20 16:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Sample: MW-4D **Lab ID: 40207508006** Collected: 05/06/20 12:30 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.0064	ug/L	0.032	0.0064	1	05/13/20 07:00	05/13/20 16:42	83-32-9	
Acenaphthylene	<0.0052	ug/L	0.026	0.0052	1	05/13/20 07:00	05/13/20 16:42	208-96-8	
Anthracene	0.013J	ug/L	0.055	0.011	1	05/13/20 07:00	05/13/20 16:42	120-12-7	
Benzo(a)anthracene	<0.0079	ug/L	0.040	0.0079	1	05/13/20 07:00	05/13/20 16:42	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.055	0.011	1	05/13/20 07:00	05/13/20 16:42	50-32-8	
Benzo(b)fluoranthene	<0.0060	ug/L	0.030	0.0060	1	05/13/20 07:00	05/13/20 16:42	205-99-2	
Benzo(g,h,i)perylene	<0.0071	ug/L	0.036	0.0071	1	05/13/20 07:00	05/13/20 16:42	191-24-2	L1
Benzo(k)fluoranthene	<0.0079	ug/L	0.040	0.0079	1	05/13/20 07:00	05/13/20 16:42	207-08-9	
Chrysene	<0.014	ug/L	0.069	0.014	1	05/13/20 07:00	05/13/20 16:42	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.053	0.011	1	05/13/20 07:00	05/13/20 16:42	53-70-3	
Fluoranthene	<0.011	ug/L	0.056	0.011	1	05/13/20 07:00	05/13/20 16:42	206-44-0	
Fluorene	<0.0084	ug/L	0.042	0.0084	1	05/13/20 07:00	05/13/20 16:42	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.093	0.019	1	05/13/20 07:00	05/13/20 16:42	193-39-5	
1-Methylnaphthalene	<0.0062	ug/L	0.031	0.0062	1	05/13/20 07:00	05/13/20 16:42	90-12-0	
2-Methylnaphthalene	<0.0052	ug/L	0.026	0.0052	1	05/13/20 07:00	05/13/20 16:42	91-57-6	
Naphthalene	<0.019	ug/L	0.096	0.019	1	05/13/20 07:00	05/13/20 16:42	91-20-3	
Phenanthrene	<0.015	ug/L	0.073	0.015	1	05/13/20 07:00	05/13/20 16:42	85-01-8	
Pyrene	<0.0081	ug/L	0.040	0.0081	1	05/13/20 07:00	05/13/20 16:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	39-120		1	05/13/20 07:00	05/13/20 16:42	321-60-8	
Terphenyl-d14 (S)	99	%	10-159		1	05/13/20 07:00	05/13/20 16:42	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		05/13/20 17:22	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/13/20 17:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/13/20 17:22	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/13/20 17:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/13/20 17:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/13/20 17:22	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 17:22	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/13/20 17:22	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/13/20 17:22	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		05/13/20 17:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 17:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/13/20 17:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/13/20 17:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/13/20 17:22	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/13/20 17:22	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/13/20 17:22	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/13/20 17:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/13/20 17:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/13/20 17:22	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/13/20 17:22	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/13/20 17:22	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Sample: MW-4D **Lab ID: 40207508006** Collected: 05/06/20 12:30 Received: 05/09/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/13/20 17:22	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/13/20 17:22	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/13/20 17:22	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/13/20 17:22	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/13/20 17:22	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/13/20 17:22	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/13/20 17:22	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		05/13/20 17:22	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/13/20 17:22	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/13/20 17:22	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/13/20 17:22	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/13/20 17:22	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/13/20 17:22	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/13/20 17:22	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/13/20 17:22	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		05/13/20 17:22	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		05/13/20 17:22	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		05/13/20 17:22	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/13/20 17:22	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/13/20 17:22	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/13/20 17:22	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/13/20 17:22	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/13/20 17:22	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		05/13/20 17:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/13/20 17:22	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/13/20 17:22	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/13/20 17:22	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		05/13/20 17:22	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		05/13/20 17:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/13/20 17:22	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/13/20 17:22	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/13/20 17:22	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/13/20 17:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/13/20 17:22	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/13/20 17:22	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/13/20 17:22	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/13/20 17:22	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/13/20 17:22	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/13/20 17:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/13/20 17:22	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		05/13/20 17:22	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/13/20 17:22	2037-26-5	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

QC Batch: 354603 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207508001, 40207508002, 40207508003

METHOD BLANK: 2052090 Matrix: Water
Associated Lab Samples: 40207508001, 40207508002, 40207508003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/11/20 16:31	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/11/20 16:31	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/11/20 16:31	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/11/20 16:31	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/11/20 16:31	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/11/20 16:31	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/11/20 16:31	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	05/11/20 16:31	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/11/20 16:31	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/11/20 16:31	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/11/20 16:31	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/11/20 16:31	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/11/20 16:31	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/11/20 16:31	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/11/20 16:31	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/11/20 16:31	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/11/20 16:31	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/11/20 16:31	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/11/20 16:31	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/11/20 16:31	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/11/20 16:31	
2-Chlorotoluene	ug/L	<0.93	5.0	05/11/20 16:31	
4-Chlorotoluene	ug/L	<0.76	2.5	05/11/20 16:31	
Benzene	ug/L	<0.25	1.0	05/11/20 16:31	
Bromobenzene	ug/L	<0.24	1.0	05/11/20 16:31	
Bromochloromethane	ug/L	<0.36	5.0	05/11/20 16:31	
Bromodichloromethane	ug/L	<0.36	1.2	05/11/20 16:31	
Bromoform	ug/L	<4.0	13.2	05/11/20 16:31	
Bromomethane	ug/L	<0.97	5.0	05/11/20 16:31	
Carbon tetrachloride	ug/L	<1.1	3.6	05/11/20 16:31	
Chlorobenzene	ug/L	<0.71	2.4	05/11/20 16:31	
Chloroethane	ug/L	<1.3	5.0	05/11/20 16:31	
Chloroform	ug/L	<1.3	5.0	05/11/20 16:31	
Chloromethane	ug/L	<2.2	7.3	05/11/20 16:31	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/11/20 16:31	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/11/20 16:31	
Dibromochloromethane	ug/L	<2.6	8.7	05/11/20 16:31	
Dibromomethane	ug/L	<0.94	3.1	05/11/20 16:31	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/11/20 16:31	
Diisopropyl ether	ug/L	<1.9	6.3	05/11/20 16:31	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

METHOD BLANK: 2052090 Matrix: Water
Associated Lab Samples: 40207508001, 40207508002, 40207508003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	05/11/20 16:31	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	05/11/20 16:31	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	05/11/20 16:31	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/11/20 16:31	
Methylene Chloride	ug/L	<0.58	5.0	05/11/20 16:31	
n-Butylbenzene	ug/L	<0.71	2.4	05/11/20 16:31	
n-Propylbenzene	ug/L	<0.81	5.0	05/11/20 16:31	
Naphthalene	ug/L	<1.2	5.0	05/11/20 16:31	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/11/20 16:31	
sec-Butylbenzene	ug/L	<0.85	5.0	05/11/20 16:31	
Styrene	ug/L	<3.0	10.0	05/11/20 16:31	
tert-Butylbenzene	ug/L	<0.30	1.0	05/11/20 16:31	
Tetrachloroethene	ug/L	<0.33	1.1	05/11/20 16:31	
Toluene	ug/L	<0.27	0.90	05/11/20 16:31	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	05/11/20 16:31	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/11/20 16:31	
Trichloroethene	ug/L	<0.26	1.0	05/11/20 16:31	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/11/20 16:31	
Vinyl chloride	ug/L	<0.17	1.0	05/11/20 16:31	
Xylene (Total)	ug/L	<1.5	3.0	05/11/20 16:31	
4-Bromofluorobenzene (S)	%	91	70-130	05/11/20 16:31	
Dibromofluoromethane (S)	%	101	70-130	05/11/20 16:31	
Toluene-d8 (S)	%	100	70-130	05/11/20 16:31	

LABORATORY CONTROL SAMPLE: 2052091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.2	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	59.7	119	64-131	
1,1,2-Trichloroethane	ug/L	50	55.3	111	70-130	
1,1-Dichloroethane	ug/L	50	54.3	109	69-163	
1,1-Dichloroethene	ug/L	50	49.8	100	77-123	
1,2,4-Trichlorobenzene	ug/L	50	45.6	91	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	58.0	116	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.3	107	70-130	
1,2-Dichlorobenzene	ug/L	50	53.4	107	70-130	
1,2-Dichloroethane	ug/L	50	50.6	101	78-142	
1,2-Dichloropropane	ug/L	50	52.1	104	86-134	
1,3-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,4-Dichlorobenzene	ug/L	50	52.4	105	70-130	
Benzene	ug/L	50	51.2	102	70-130	
Bromodichloromethane	ug/L	50	52.3	105	70-130	
Bromoform	ug/L	50	54.8	110	70-130	
Bromomethane	ug/L	50	13.3	27	39-129 L2	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

LABORATORY CONTROL SAMPLE: 2052091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	59.0	118	70-132	
Chlorobenzene	ug/L	50	53.8	108	70-130	
Chloroethane	ug/L	50	44.6	89	66-140	
Chloroform	ug/L	50	53.4	107	75-132	
Chloromethane	ug/L	50	39.9	80	32-143	
cis-1,2-Dichloroethene	ug/L	50	51.7	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.0	106	70-130	
Dibromochloromethane	ug/L	50	53.5	107	70-130	
Dichlorodifluoromethane	ug/L	50	25.8	52	10-141	
Ethylbenzene	ug/L	50	56.9	114	80-120	
Isopropylbenzene (Cumene)	ug/L	50	57.5	115	70-130	
Methyl-tert-butyl ether	ug/L	50	51.7	103	61-129	
Methylene Chloride	ug/L	50	49.7	99	70-130	
Styrene	ug/L	50	57.2	114	70-130	
Tetrachloroethene	ug/L	50	50.8	102	70-130	
Toluene	ug/L	50	53.8	108	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.4	105	69-130	
Trichloroethene	ug/L	50	52.8	106	70-130	
Trichlorofluoromethane	ug/L	50	50.0	100	75-145	
Vinyl chloride	ug/L	50	39.3	79	51-140	
Xylene (Total)	ug/L	150	170	113	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2052092 2052093

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40207507002	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	51.7	53.8	103	108	70-130	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	56.5	57.4	113	115	64-137	2	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.4	54.2	107	108	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	51.0	52.8	102	106	69-163	4	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	47.1	48.5	94	97	77-129	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	48.8	50.6	97	101	68-130	4	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	56.4	58.1	113	116	60-130	3	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.1	52.0	104	104	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.2	54.0	102	108	70-130	5	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	48.0	49.6	96	99	78-145	3	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	50.4	50.3	101	101	86-135	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.8	52.8	102	106	70-130	4	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.3	52.1	101	104	70-130	3	20		
Benzene	ug/L	12.2	50	50	62.1	64.7	100	105	70-136	4	20		

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2052092		2052093		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40207507002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Bromodichloromethane	ug/L	<0.36	50	50	49.8	50.9	100	102	70-130	2	20		
Bromoform	ug/L	<4.0	50	50	51.4	51.6	103	103	69-130	0	20		
Bromomethane	ug/L	<0.97	50	50	19.1	20.5	38	41	39-138	7	20	MO	
Carbon tetrachloride	ug/L	<1.1	50	50	48.8	50.2	98	100	70-142	3	20		
Chlorobenzene	ug/L	<0.71	50	50	51.5	52.6	103	105	70-130	2	20		
Chloroethane	ug/L	<1.3	50	50	44.1	46.6	88	93	61-149	6	20		
Chloroform	ug/L	<1.3	50	50	51.2	53.3	102	107	75-133	4	20		
Chloromethane	ug/L	<2.2	50	50	36.6	38.9	73	78	32-143	6	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	49.9	52.7	100	105	70-130	6	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50.7	51.8	101	104	70-130	2	20		
Dibromochloromethane	ug/L	<2.6	50	50	51.7	52.2	103	104	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	21.8	23.2	44	46	10-141	6	20		
Ethylbenzene	ug/L	<0.32	50	50	54.9	55.8	109	111	80-120	2	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	57.2	58.5	112	115	70-130	2	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	49.5	51.0	99	102	61-136	3	20		
Methylene Chloride	ug/L	<0.58	50	50	46.3	49.0	93	98	68-137	6	20		
Styrene	ug/L	<3.0	50	50	54.1	55.6	108	111	70-130	3	20		
Tetrachloroethene	ug/L	<0.33	50	50	48.2	50.1	96	100	70-130	4	20		
Toluene	ug/L	<0.27	50	50	51.5	52.5	103	105	80-120	2	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	48.6	49.5	97	99	70-130	2	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	50.1	51.3	100	103	69-130	2	20		
Trichloroethene	ug/L	<0.26	50	50	50.0	51.2	100	102	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	46.8	48.8	94	98	74-157	4	20		
Vinyl chloride	ug/L	<0.17	50	50	35.8	38.2	72	76	51-140	7	20		
Xylene (Total)	ug/L	<1.5	150	150	163	167	109	112	70-130	2	20		
4-Bromofluorobenzene (S)	%						98	98	70-130				
Dibromofluoromethane (S)	%						104	106	70-130				
Toluene-d8 (S)	%						100	100	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

QC Batch: 354605 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207508004, 40207508005, 40207508006

METHOD BLANK: 2052094 Matrix: Water
Associated Lab Samples: 40207508004, 40207508005, 40207508006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/13/20 06:52	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/13/20 06:52	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/13/20 06:52	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/13/20 06:52	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/13/20 06:52	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/13/20 06:52	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/13/20 06:52	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	05/13/20 06:52	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/13/20 06:52	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/13/20 06:52	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/13/20 06:52	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/13/20 06:52	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/13/20 06:52	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/13/20 06:52	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/13/20 06:52	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/13/20 06:52	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/13/20 06:52	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/13/20 06:52	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/13/20 06:52	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/13/20 06:52	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/13/20 06:52	
2-Chlorotoluene	ug/L	<0.93	5.0	05/13/20 06:52	
4-Chlorotoluene	ug/L	<0.76	2.5	05/13/20 06:52	
Benzene	ug/L	<0.25	1.0	05/13/20 06:52	
Bromobenzene	ug/L	<0.24	1.0	05/13/20 06:52	
Bromochloromethane	ug/L	<0.36	5.0	05/13/20 06:52	
Bromodichloromethane	ug/L	<0.36	1.2	05/13/20 06:52	
Bromoform	ug/L	<4.0	13.2	05/13/20 06:52	
Bromomethane	ug/L	<0.97	5.0	05/13/20 06:52	
Carbon tetrachloride	ug/L	<1.1	3.6	05/13/20 06:52	
Chlorobenzene	ug/L	<0.71	2.4	05/13/20 06:52	
Chloroethane	ug/L	<1.3	5.0	05/13/20 06:52	
Chloroform	ug/L	<1.3	5.0	05/13/20 06:52	
Chloromethane	ug/L	<2.2	7.3	05/13/20 06:52	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/13/20 06:52	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/13/20 06:52	
Dibromochloromethane	ug/L	<2.6	8.7	05/13/20 06:52	
Dibromomethane	ug/L	<0.94	3.1	05/13/20 06:52	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/13/20 06:52	
Diisopropyl ether	ug/L	<1.9	6.3	05/13/20 06:52	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

METHOD BLANK: 2052094 Matrix: Water
Associated Lab Samples: 40207508004, 40207508005, 40207508006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	05/13/20 06:52	
Hexachloro-1,3-butadiene	ug/L	1.7J	4.9	05/13/20 06:52	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	05/13/20 06:52	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/13/20 06:52	
Methylene Chloride	ug/L	<0.58	5.0	05/13/20 06:52	
n-Butylbenzene	ug/L	<0.71	2.4	05/13/20 06:52	
n-Propylbenzene	ug/L	<0.81	5.0	05/13/20 06:52	
Naphthalene	ug/L	<1.2	5.0	05/13/20 06:52	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/13/20 06:52	
sec-Butylbenzene	ug/L	<0.85	5.0	05/13/20 06:52	
Styrene	ug/L	<3.0	10.0	05/13/20 06:52	
tert-Butylbenzene	ug/L	<0.30	1.0	05/13/20 06:52	
Tetrachloroethene	ug/L	<0.33	1.1	05/13/20 06:52	
Toluene	ug/L	<0.27	0.90	05/13/20 06:52	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	05/13/20 06:52	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/13/20 06:52	
Trichloroethene	ug/L	<0.26	1.0	05/13/20 06:52	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/13/20 06:52	
Vinyl chloride	ug/L	<0.17	1.0	05/13/20 06:52	
Xylene (Total)	ug/L	<1.5	3.0	05/13/20 06:52	
4-Bromofluorobenzene (S)	%	92	70-130	05/13/20 06:52	
Dibromofluoromethane (S)	%	102	70-130	05/13/20 06:52	
Toluene-d8 (S)	%	99	70-130	05/13/20 06:52	

LABORATORY CONTROL SAMPLE: 2052095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.7	85	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	51.6	103	64-131	
1,1,2-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1-Dichloroethane	ug/L	50	49.0	98	69-163	
1,1-Dichloroethene	ug/L	50	39.3	79	77-123	
1,2,4-Trichlorobenzene	ug/L	50	39.9	80	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.2	84	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.0	98	70-130	
1,2-Dichlorobenzene	ug/L	50	46.1	92	70-130	
1,2-Dichloroethane	ug/L	50	50.9	102	78-142	
1,2-Dichloropropane	ug/L	50	52.4	105	86-134	
1,3-Dichlorobenzene	ug/L	50	44.6	89	70-130	
1,4-Dichlorobenzene	ug/L	50	45.6	91	70-130	
Benzene	ug/L	50	44.3	89	70-130	
Bromodichloromethane	ug/L	50	50.0	100	70-130	
Bromoform	ug/L	50	48.5	97	70-130	
Bromomethane	ug/L	50	21.1	42	39-129	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

LABORATORY CONTROL SAMPLE: 2052095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	46.3	93	70-132	
Chlorobenzene	ug/L	50	48.2	96	70-130	
Chloroethane	ug/L	50	38.4	77	66-140	
Chloroform	ug/L	50	46.1	92	75-132	
Chloromethane	ug/L	50	27.4	55	32-143	
cis-1,2-Dichloroethene	ug/L	50	42.2	84	70-130	
cis-1,3-Dichloropropene	ug/L	50	39.2	78	70-130	
Dibromochloromethane	ug/L	50	54.8	110	70-130	
Dichlorodifluoromethane	ug/L	50	19.3	39	10-141	
Ethylbenzene	ug/L	50	46.1	92	80-120	
Isopropylbenzene (Cumene)	ug/L	50	43.9	88	70-130	
Methyl-tert-butyl ether	ug/L	50	41.1	82	61-129	
Methylene Chloride	ug/L	50	41.5	83	70-130	
Styrene	ug/L	50	47.2	94	70-130	
Tetrachloroethene	ug/L	50	46.2	92	70-130	
Toluene	ug/L	50	46.4	93	80-120	
trans-1,2-Dichloroethene	ug/L	50	41.5	83	70-130	
trans-1,3-Dichloropropene	ug/L	50	38.1	76	69-130	
Trichloroethene	ug/L	50	47.9	96	70-130	
Trichlorofluoromethane	ug/L	50	45.5	91	75-145	
Vinyl chloride	ug/L	50	30.5	61	51-140	
Xylene (Total)	ug/L	150	138	92	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2052131 2052132

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40207523013 Result	Spike Conc.	Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	43.3	43.7	87	87	70-130	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	52.4	53.9	105	108	64-137	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.5	52.5	101	105	70-137	4	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	47.7	48.9	95	98	69-163	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	39.2	40.1	78	80	77-129	2	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	41.7	43.0	83	85	68-130	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	43.0	44.7	86	89	60-130	4	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	49.1	50.8	98	102	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	46.4	47.6	93	95	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.0	51.0	100	102	78-145	2	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	50.6	52.4	101	105	86-135	3	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	45.7	46.7	91	93	70-130	2	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	46.6	47.4	93	94	70-130	1	20		
Benzene	ug/L	<0.25	50	50	43.8	44.6	88	89	70-136	2	20		

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2052131		2052132		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40207523013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Bromodichloromethane	ug/L	<0.36	50	50	48.9	51.3	98	103	70-130	5	20		
Bromoform	ug/L	<4.0	50	50	48.5	49.9	97	100	69-130	3	20		
Bromomethane	ug/L	<0.97	50	50	20.8	21.4	41	42	39-138	3	20		
Carbon tetrachloride	ug/L	<1.1	50	50	47.4	48.4	95	97	70-142	2	20		
Chlorobenzene	ug/L	<0.71	50	50	48.2	49.5	96	99	70-130	3	20		
Chloroethane	ug/L	<1.3	50	50	36.6	37.1	73	74	61-149	1	20		
Chloroform	ug/L	<1.3	50	50	45.3	46.2	91	92	75-133	2	20		
Chloromethane	ug/L	<2.2	50	50	25.6	26.3	51	53	32-143	3	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	34.9	35.5	70	71	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	39.2	40.9	78	82	70-130	4	20		
Dibromochloromethane	ug/L	<2.6	50	50	53.7	55.5	107	111	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	16.4	16.5	33	33	10-141	0	20		
Ethylbenzene	ug/L	<0.32	50	50	46.2	47.3	92	95	80-120	2	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	44.5	45.4	89	91	70-130	2	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	40.0	41.0	80	82	61-136	2	20		
Methylene Chloride	ug/L	<0.58	50	50	40.5	41.0	81	82	68-137	1	20		
Styrene	ug/L	<3.0	50	50	46.6	48.1	93	96	70-130	3	20		
Tetrachloroethene	ug/L	<0.33	50	50	47.4	49.1	95	98	70-130	3	20		
Toluene	ug/L	<0.27	50	50	46.4	47.8	93	96	80-120	3	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	41.3	42.0	83	84	70-130	2	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	38.7	40.3	77	81	69-130	4	20		
Trichloroethene	ug/L	<0.26	50	50	48.2	50.2	96	100	70-130	4	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	46.0	47.1	92	94	74-157	2	20		
Vinyl chloride	ug/L	<0.17	50	50	28.8	29.3	58	59	51-140	2	20		
Xylene (Total)	ug/L	<1.5	150	150	138	141	92	94	70-130	2	20		
4-Bromofluorobenzene (S)	%						97	97	70-130				
Dibromofluoromethane (S)	%						102	102	70-130				
Toluene-d8 (S)	%						98	98	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

QC Batch: 354781 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40207508002, 40207508003, 40207508004, 40207508005, 40207508006

METHOD BLANK: 2052739 Matrix: Water
Associated Lab Samples: 40207508002, 40207508003, 40207508004, 40207508005, 40207508006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.0076J	0.030	05/13/20 12:27	
2-Methylnaphthalene	ug/L	<0.0049	0.024	05/13/20 12:27	
Acenaphthene	ug/L	0.0078J	0.030	05/13/20 12:27	
Acenaphthylene	ug/L	<0.0050	0.025	05/13/20 12:27	
Anthracene	ug/L	<0.010	0.052	05/13/20 12:27	
Benzo(a)anthracene	ug/L	0.015J	0.038	05/13/20 12:27	
Benzo(a)pyrene	ug/L	<0.011	0.053	05/13/20 12:27	
Benzo(b)fluoranthene	ug/L	0.0098J	0.029	05/13/20 12:27	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	05/13/20 12:27	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	05/13/20 12:27	
Chrysene	ug/L	<0.013	0.065	05/13/20 12:27	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	05/13/20 12:27	
Fluoranthene	ug/L	0.021J	0.053	05/13/20 12:27	
Fluorene	ug/L	<0.0080	0.040	05/13/20 12:27	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	05/13/20 12:27	
Naphthalene	ug/L	<0.018	0.092	05/13/20 12:27	
Phenanthrene	ug/L	0.036J	0.069	05/13/20 12:27	
Pyrene	ug/L	0.030J	0.038	05/13/20 12:27	
2-Fluorobiphenyl (S)	%	64	39-120	05/13/20 12:27	
Terphenyl-d14 (S)	%	105	10-159	05/13/20 12:27	

LABORATORY CONTROL SAMPLE: 2052740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.3	65	37-120	
2-Methylnaphthalene	ug/L	2	1.4	68	38-120	
Acenaphthene	ug/L	2	1.6	78	49-120	
Acenaphthylene	ug/L	2	1.4	71	43-85	
Anthracene	ug/L	2	1.7	87	57-110	
Benzo(a)anthracene	ug/L	2	1.9	97	47-118	
Benzo(a)pyrene	ug/L	2	2.0	101	70-120	
Benzo(b)fluoranthene	ug/L	2	1.9	94	54-97	
Benzo(g,h,i)perylene	ug/L	2	1.6	78	26-74	L1
Benzo(k)fluoranthene	ug/L	2	2.2	110	73-126	
Chrysene	ug/L	2	2.1	103	75-151	
Dibenz(a,h)anthracene	ug/L	2	1.4	72	13-72	
Fluoranthene	ug/L	2	1.9	96	63-120	
Fluorene	ug/L	2	1.6	81	53-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	2.0	99	51-101	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

LABORATORY CONTROL SAMPLE: 2052740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.3	67	41-120	
Phenanthrene	ug/L	2	1.7	83	47-100	
Pyrene	ug/L	2	1.9	93	70-128	
2-Fluorobiphenyl (S)	%			68	39-120	
Terphenyl-d14 (S)	%			105	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2052741 2052742

Parameter	Units	2052741		2052742		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
1-Methylnaphthalene	ug/L	0.35	1.8	1.8	1.4	1.4	59	58	16-120	0	28
2-Methylnaphthalene	ug/L	0.0069J	1.8	1.8	0.97	1.1	53	58	29-120	10	31
Acenaphthene	ug/L	0.16	1.8	1.8	1.3	1.3	64	64	33-120	1	30
Acenaphthylene	ug/L	0.024	1.8	1.8	1.0	1.1	55	57	21-85	4	26
Anthracene	ug/L	0.011J	1.8	1.8	1.1	1.2	60	62	16-114	5	36
Benzo(a)anthracene	ug/L	0.0077J	1.8	1.8	1.1	1.1	59	62	10-118	7	35
Benzo(a)pyrene	ug/L	<0.0097	1.8	1.8	0.94	1.0	52	57	10-120	11	37
Benzo(b)fluoranthene	ug/L	<0.0053	1.8	1.8	0.97	1.0	54	57	10-97	7	36
Benzo(g,h,i)perylene	ug/L	<0.0062	1.8	1.8	0.48	0.52	26	28	10-74	9	45
Benzo(k)fluoranthene	ug/L	<0.0069	1.8	1.8	1.2	1.2	64	66	10-126	5	41
Chrysene	ug/L	<0.012	1.8	1.8	1.3	1.3	70	73	10-161	5	30
Dibenz(a,h)anthracene	ug/L	<0.0092	1.8	1.8	0.42	0.46	23	25	10-72	10	50
Fluoranthene	ug/L	<0.0098	1.8	1.8	1.3	1.4	71	75	35-120	7	33
Fluorene	ug/L	0.28	1.8	1.8	1.5	1.5	68	67	17-120	1	33
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	1.8	1.8	0.68	0.70	37	38	10-101	4	41
Naphthalene	ug/L	0.10	1.8	1.8	1.1	1.2	58	61	24-120	5	30
Phenanthrene	ug/L	0.081	1.8	1.8	1.3	1.3	67	68	15-100	3	30
Pyrene	ug/L	0.017J	1.8	1.8	1.3	1.4	72	74	14-137	6	31
2-Fluorobiphenyl (S)	%						59	61	39-120		
Terphenyl-d14 (S)	%						84	78	10-159		

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QUALIFIERS

Project: 60578411 704 75TH STREET
Pace Project No.: 40207508

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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.

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

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60578411 704 75TH STREET

Pace Project No.: 40207508

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40207508002	MW-1	EPA 3510	354781	EPA 8270 by HVI	354809
40207508003	MW-2	EPA 3510	354781	EPA 8270 by HVI	354809
40207508004	MW-3	EPA 3510	354781	EPA 8270 by HVI	354809
40207508005	MW-4	EPA 3510	354781	EPA 8270 by HVI	354809
40207508006	MW-4D	EPA 3510	354781	EPA 8270 by HVI	354809
40207508001	TRIP BLANK	EPA 8260	354603		
40207508002	MW-1	EPA 8260	354603		
40207508003	MW-2	EPA 8260	354603		
40207508004	MW-3	EPA 8260	354605		
40207508005	MW-4	EPA 8260	354605		
40207508006	MW-4D	EPA 8260	354605		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

4625508

<p>Section A Required Client Information:</p> <p>Company: AECOM - Milw Address: 1555 N. River Center Dr., Suite 214 Milwaukee, WI 53212 Email To: Lanette.Altenbach@aecom.com Phone: 414-577-1363</p>	<p>Section B Required Project Information:</p> <p>Report To: Lanette Altenbach Copy To: Joel Mackinney Purchase Order No.: N/A Project Name: 704 75th Street Project Number: 60578411</p>	<p>Section C Invoice Information:</p> <p>Attention: Accounts Payable/Finance Department Company Name: City of Kenosha Address: 652 52nd St., Kenosha, WI 53140 Pace Quote Reference: N/A Pace Project Manager: Chris Hyska Pace Profile #: (2430) Kenosha work</p>	<p>REGULATORY AGENCY</p> <p><input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER</p> <p>SITE <input type="checkbox"/> 3A <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC LOCATION <input type="checkbox"/> OH <input checked="" type="checkbox"/> WI <input type="checkbox"/> OTHER</p> <p>Filtered (Y/N) NN</p> <p>Requested Analytes: VOCs 6280 PAHs 627769m Residual Chlorine (Y/N)</p> <p>Pace Project Number Lab I.D.</p>
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ITEM #	Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / . -) Samples IDs MUST BE UNIQUE	Valid Matrix Codes		COLLECTED				SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives							Requested Analytes				Pace Project Number Lab I.D.				
		MATRIX	CODE	COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	VOCs 6280	PAHs 627769m	Residual Chlorine (Y/N)					
		DRINKING WATER WT	DW	DATE	TIME	DATE	TIME													OC		OT	TS		
1	Trip Blank	WT				5/6/20	1200		2														001	001	
2	MW-1	↓					1250		5	x			x											002	002
3	MW-2	↓					1315		5	x			x											003	003
4	MW-3	↓					1215		5	x			x											004	004
5	MW-4	↓					1230		5	x			x											005	005
6	MW-4D	↓					1230		5	x			x											006	006
7	A diagonal line from top-left to bottom-right is drawn across items 7-12.																								
8																									
9																									
10																									
12																									

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Joel Mackinney AECOM	5/8/20	9:10	Mary Jamnien	5/8/20	9:10	
Mary Jamnien	5/8/20	11:00				
OS LOGISTICS	5-9-20	0835	Maddison & Robb Pace	5-9-20	0835	ROZ

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <u>Joel Mackinney</u>							
SIGNATURE of SAMPLER: <u>Joel Mackinney</u> DATE Signed (MM/DD/YY): <u>5/6/2020</u>							



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: 26Mar2020

Document No.:
ENV-FRM-GBAY-0014-Rev.00

Author:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Aecom Milw.

WO#: **40207508**

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



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-24 n/a Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.5°C Corr: 0.5°C REF

Person examining contents:

Temp Blank Present: yes no REF Biological Tissue is Frozen: yes no

Date: 5-9-20 Initials: MUR

Temp should be above freezing to 6°C.

MUR 5-9-20

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials: WJ

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Sample type</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>447</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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