

September 3, 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: August 2020 Groundwater Monitoring Results
704 75th Street, Kenosha WI
BRRTS# 03-30-532981**

Dear Ms. Billingsley

AECOM conducted a groundwater sampling event on August 11, 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 August 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 August 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 (two to four 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 four 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 August 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 August 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 August 2020, MW-2 has ES exceedance of benzene and PAL exceedances of 1,2,4-trimethylbenzene, methyl-tert-butyl ether (MTBE), and naphthalene. MW-2 analyte concentrations are similar to previous detections. 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,

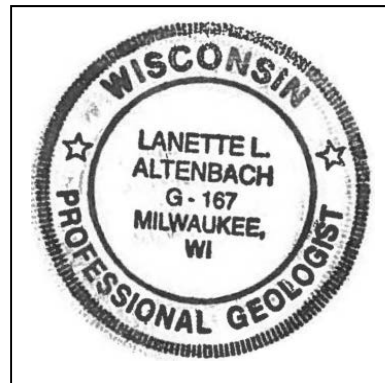

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Lee Delcore, WDNR (BRRTS #03-30-532981)

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 – August 2020
- Figure 4 – Groundwater Analytical Summary Exceedances – August 2020
- Figure 5 – MW-2 Analyte Concentrations and Groundwater Elevations over Time

Laboratory Analytical Report – Pace Project No. 40212848

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
8/11/2020	9.43	597.60	9.49	597.31	10.35	598.31	9.51	600.59	8.85	598.18

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 (Milivolts)	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
	8/11/2020	5.74	6.71	284.6	0.749	20.03	597.60
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
	8/11/2020	5.79	6.67	287.00	0.763	21.75	597.31
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
	8/11/2020	7.22	6.20	190.90	0.542	22.53	598.31
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
	8/11/2020	6.66	7.31	177.50	0.193	24.49	600.59

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^J</u>	< 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
8/11/2020	< 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^J</u>	< 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^J</u>	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	38.3
	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>
8/11/2020	<u>118</u>	6.5 ^J	17.0	< 4.2	< 1.8	< 4.9	< 6.4	< 10.9	30.3	25.9 ^J	< 4.0	<u>13.8^J</u>	<u>40.9</u>	38.5	< 1.3	191	
MW-3	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	<u>2.4^J</u>	< 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
8/11/2020	< 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^J</u>	< 0.97	<u>3.0^J</u>	<u>25.5</u>	< 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^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
	5/6/2020	< 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
8/11/2020	< 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 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-4 DUP	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	<u>0.51</u> ^J	<u>1.6</u> ^J	<u>3.0</u> ^J	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</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
	5/6/202	< 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
	8/11/2020	< 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
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

Location/ Field ID	Sample Date	1-Methyl naphthalene (ug/L)	2-Methyl naphthalene (ug/L)	Ace- naphthene (ug/L)	Ace- naphthylene (ug/L)	Anthracene (ug/L)	Benzo(a) anthracene (ug/L)	Benzo(a) pyrene (ug/L)	Benzo(b) fluoranthene (ug/L)	Benzo (g,h,i) perylene (ug/L)	Benzo(k) fluoranthene (ug/L)	Chrysene (ug/L)	Dibenz (a,h) anthracene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indeno (1,2,3-cd) pyrene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (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
	8/11/2020	< 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
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
	8/11/2020	0.34	< 0.0054	< 0.0067	< 0.0055	< 0.011	< 0.0083	< 0.012	< 0.0063	< 0.0075	< 0.0083	< 0.014	< 0.011	< 0.012	0.0099 ^J	< 0.019	2.3	< 0.015	< 0.0084
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
	8/11/2020	< 0.0064	< 0.0053	< 0.0066	< 0.0054	< 0.011	0.011 ^J	< 0.011	0.011 ^J	0.010 ^J	0.0084 ^J	< 0.014	< 0.011	0.015 ^J	< 0.0087	< 0.019	< 0.020	0.019 ^J	0.016 ^J
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
	8/11/2020	< 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

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

Location/ Field ID	Sample Date	1-Methyl naphthalene (ug/L)	2-Methyl naphthalene (ug/L)	Ace- naphthene (ug/L)	Ace- naphthylene (ug/L)	Anthracene (ug/L)	Benzo(a) anthracene (ug/L)	Benzo(a) pyrene (ug/L)	Benzo(b) fluoranthene (ug/L)	Benzo (g,h,i) perylene (ug/L)	Benzo(k) fluoranthene (ug/L)	Chrysene (ug/L)	Dibenz (a,h) anthracene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indeno (1,2,3-cd) pyrene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (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
8/11/2020	< 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	
	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**.

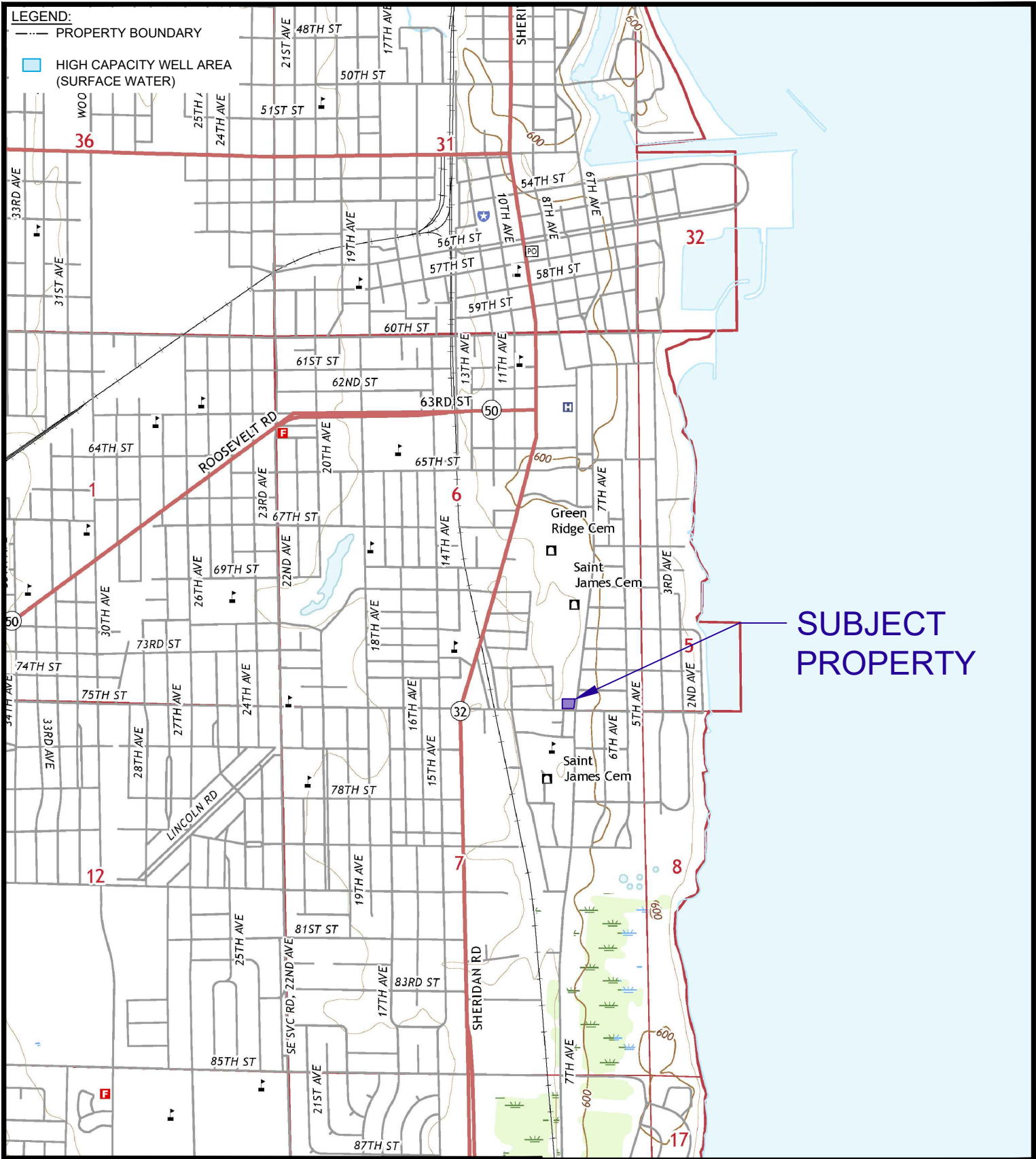
Figures

LEGEND:

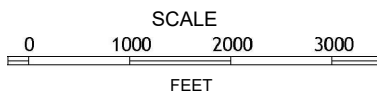
--- PROPERTY BOUNDARY

□ HIGH CAPACITY WELL AREA (SURFACE WATER)

File: \\USJMWK1\F5001\Prod\Drawings\Projects\60578411\900_Work\CADD\704_76th St_2020 - Quarterly Monitoring.dwg; USER: MACKINNEY, JOEL; PLOTTED: May 19, 2020 - 6:15 PM



SUBJECT PROPERTY



QUADRANGLE LOCATION

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

AECOM
 Milwaukee Office
 1555 RiverCenter Dr
 Milwaukee, WI
 414.944.6080

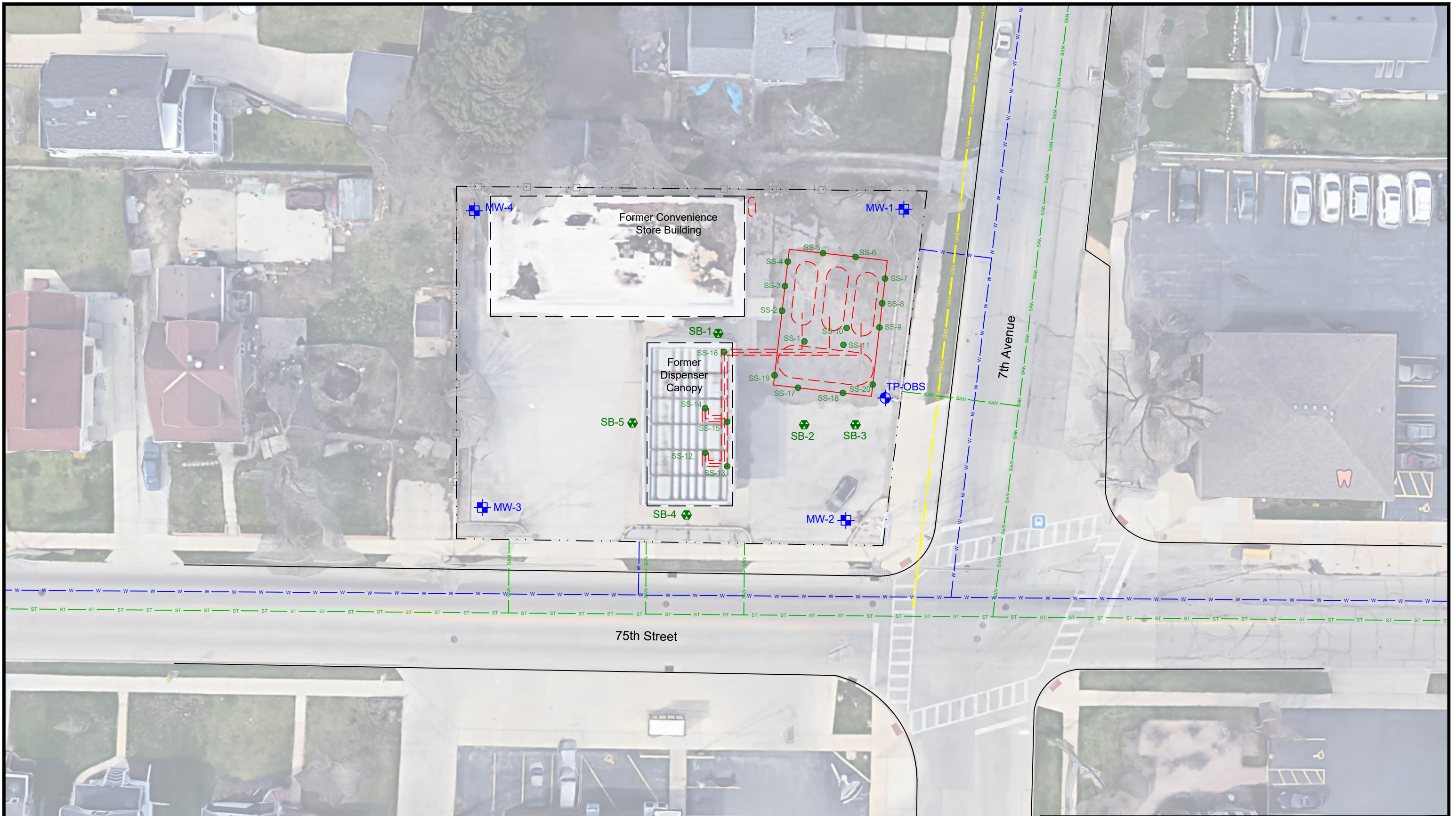


Former Gas Station
 704 75th Street
 Kenosha, WI 53143

LOCATION MAP

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



AECOM
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1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

Former Gas Station
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

AECOM
 Milwaukee Office
 1555 RiverCenter Dr
 Milwaukee, WI
 414.944.6080



Former Gas Station
 704 75th Street
 Kenosha, WI 53143

**POTENTIOMETRIC SURFACE
 MONITORING WELLS - AUGUST 2020**

Project Number:
 60578411

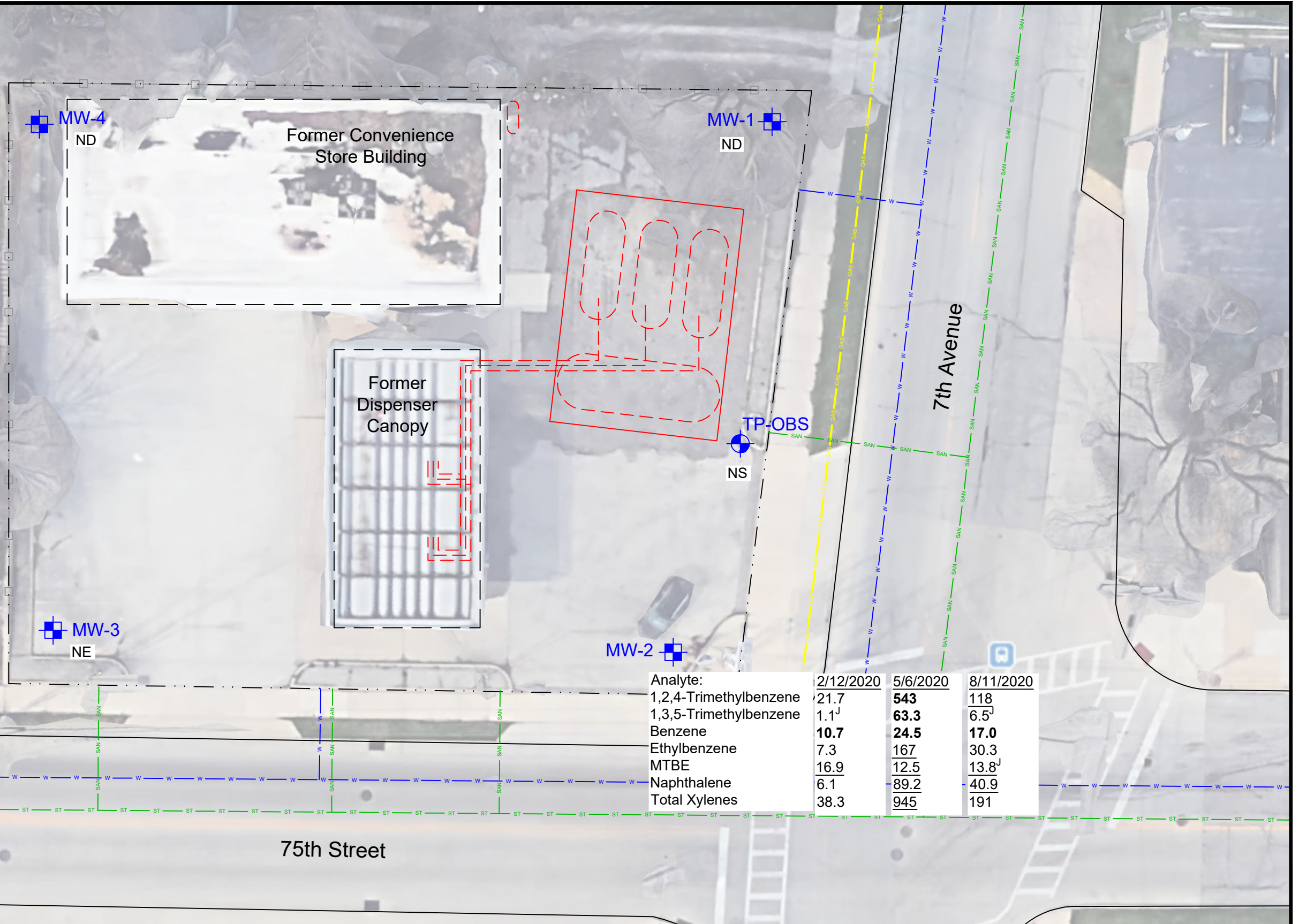
Drawn By:
 JSM

Date:
 8/25/2020

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	8/11/2020
1,2,4-Trimethylbenzene	21.7	543	118
1,3,5-Trimethylbenzene	1.1 ^J	63.3	6.5 ^J
Benzene	10.7	24.5	17.0
Ethylbenzene	7.3	167	30.3
MTBE	16.9	12.5	13.8 ^J
Naphthalene	6.1	<u>89.2</u>	<u>40.9</u>
Total Xylenes	38.3	<u>945</u>	191

LEGEND:

- - - - PROPERTY BOUNDARY
- □ - FENCE
- - - - ROADS
- - - - FORMER BUILDING & CANOPY
- - - - FORMER UST
- - - - FORMER UNDERGROUND PIPING
- - - - UTILITY - GAS
- - - - UTILITY - WATER
- - - - 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

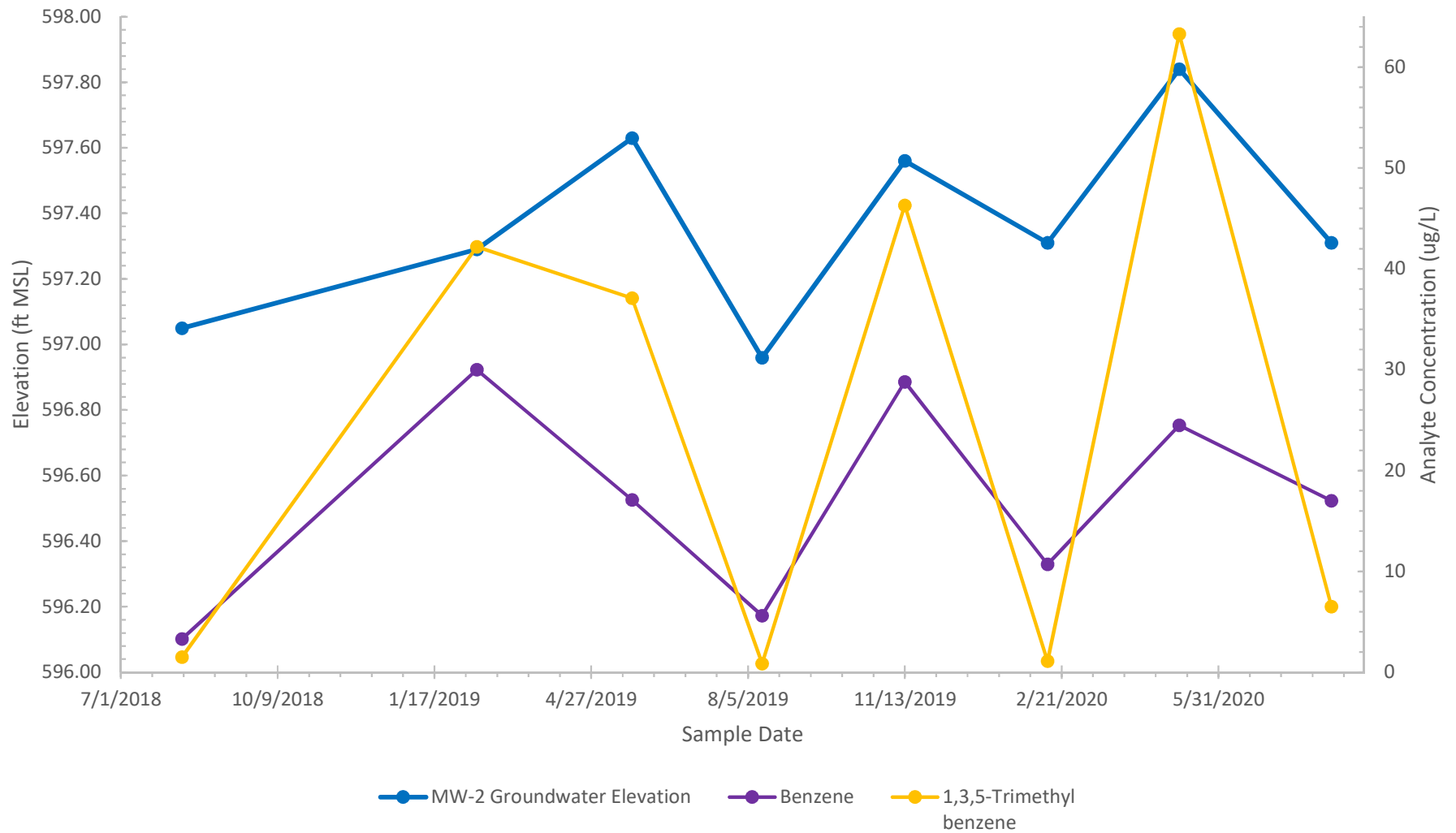
Former Gas Station
704 75th Street
Kenosha, WI 53143

**GROUNDWATER QUALITY EXCEEDANCES
AUGUST 11, 2020**

Project Number: 60578411
Date: 8/25/2020
Drawn By: JSM

Figure No. 4

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



Laboratory Analytical Report

August 19, 2020

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

RE: Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 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

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CERTIFICATIONS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

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.: 40212848

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40212848001	MW-1	Water	08/11/20 13:10	08/13/20 09:30
40212848002	MW-2	Water	08/11/20 13:20	08/13/20 09:30
40212848003	MW-3	Water	08/11/20 12:20	08/13/20 09:30
40212848004	MW-4	Water	08/11/20 12:40	08/13/20 09:30
40212848005	MW-4D	Water	08/11/20 12:40	08/13/20 09:30
40212848006	TB-1	Water	08/11/20 12:00	08/13/20 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40212848001	MW-1	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40212848002	MW-2	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40212848003	MW-3	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40212848004	MW-4	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40212848005	MW-4D	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40212848006	TB-1	EPA 8260	HNW	63	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.: 40212848

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40212848002	MW-2					
EPA 8270 by HVI	Fluorene	0.0099J	ug/L	0.044	08/18/20 11:29	
EPA 8270 by HVI	1-Methylnaphthalene	0.34	ug/L	0.032	08/18/20 11:29	
EPA 8270 by HVI	Naphthalene	2.3	ug/L	0.10	08/18/20 11:29	
EPA 8260	Benzene	17.0	ug/L	5.0	08/14/20 13:17	
EPA 8260	Ethylbenzene	30.3	ug/L	5.3	08/14/20 13:17	
EPA 8260	Isopropylbenzene (Cumene)	25.9J	ug/L	28.1	08/14/20 13:17	
EPA 8260	Methyl-tert-butyl ether	13.8J	ug/L	20.8	08/14/20 13:17	
EPA 8260	Naphthalene	40.9	ug/L	25.0	08/14/20 13:17	
EPA 8260	n-Propylbenzene	38.5	ug/L	25.0	08/14/20 13:17	
EPA 8260	1,2,4-Trimethylbenzene	118	ug/L	14.0	08/14/20 13:17	
EPA 8260	1,3,5-Trimethylbenzene	6.5J	ug/L	14.6	08/14/20 13:17	
EPA 8260	Xylene (Total)	191	ug/L	15.0	08/14/20 13:17	
40212848003	MW-3					
EPA 8270 by HVI	Benzo(a)anthracene	0.011J	ug/L	0.041	08/18/20 11:45	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.011J	ug/L	0.031	08/18/20 11:45	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.010J	ug/L	0.037	08/18/20 11:45	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.0084J	ug/L	0.041	08/18/20 11:45	
EPA 8270 by HVI	Fluoranthene	0.015J	ug/L	0.058	08/18/20 11:45	
EPA 8270 by HVI	Phenanthrene	0.019J	ug/L	0.075	08/18/20 11:45	
EPA 8270 by HVI	Pyrene	0.016J	ug/L	0.042	08/18/20 11:45	L2

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Sample: MW-1 **Lab ID: 40212848001** Collected: 08/11/20 13:10 Received: 08/13/20 09:30 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	<0.0066	ug/L	0.033	0.0066	1	08/14/20 15:07	08/18/20 11:12	83-32-9	
Acenaphthylene	<0.0054	ug/L	0.027	0.0054	1	08/14/20 15:07	08/18/20 11:12	208-96-8	
Anthracene	<0.011	ug/L	0.057	0.011	1	08/14/20 15:07	08/18/20 11:12	120-12-7	
Benzo(a)anthracene	<0.0082	ug/L	0.041	0.0082	1	08/14/20 15:07	08/18/20 11:12	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.057	0.011	1	08/14/20 15:07	08/18/20 11:12	50-32-8	
Benzo(b)fluoranthene	<0.0062	ug/L	0.031	0.0062	1	08/14/20 15:07	08/18/20 11:12	205-99-2	
Benzo(g,h,i)perylene	<0.0074	ug/L	0.037	0.0074	1	08/14/20 15:07	08/18/20 11:12	191-24-2	
Benzo(k)fluoranthene	<0.0082	ug/L	0.041	0.0082	1	08/14/20 15:07	08/18/20 11:12	207-08-9	
Chrysene	<0.014	ug/L	0.071	0.014	1	08/14/20 15:07	08/18/20 11:12	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.054	0.011	1	08/14/20 15:07	08/18/20 11:12	53-70-3	
Fluoranthene	<0.012	ug/L	0.058	0.012	1	08/14/20 15:07	08/18/20 11:12	206-44-0	
Fluorene	<0.0087	ug/L	0.043	0.0087	1	08/14/20 15:07	08/18/20 11:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.096	0.019	1	08/14/20 15:07	08/18/20 11:12	193-39-5	
1-Methylnaphthalene	<0.0064	ug/L	0.032	0.0064	1	08/14/20 15:07	08/18/20 11:12	90-12-0	
2-Methylnaphthalene	<0.0053	ug/L	0.027	0.0053	1	08/14/20 15:07	08/18/20 11:12	91-57-6	
Naphthalene	<0.020	ug/L	0.10	0.020	1	08/14/20 15:07	08/18/20 11:12	91-20-3	
Phenanthrene	<0.015	ug/L	0.075	0.015	1	08/14/20 15:07	08/18/20 11:12	85-01-8	
Pyrene	<0.0083	ug/L	0.042	0.0083	1	08/14/20 15:07	08/18/20 11:12	129-00-0	L2
Surrogates									
2-Fluorobiphenyl (S)	53	%	39-120		1	08/14/20 15:07	08/18/20 11:12	321-60-8	
Terphenyl-d14 (S)	90	%	10-159		1	08/14/20 15:07	08/18/20 11:12	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		08/14/20 17:14	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/14/20 17:14	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/14/20 17:14	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/14/20 17:14	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/14/20 17:14	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/14/20 17:14	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:14	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/14/20 17:14	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/14/20 17:14	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		08/14/20 17:14	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:14	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/14/20 17:14	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/14/20 17:14	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/14/20 17:14	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/14/20 17:14	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/14/20 17:14	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/14/20 17:14	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/14/20 17:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/14/20 17:14	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/14/20 17:14	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:14	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

Sample: MW-1 **Lab ID: 40212848001** Collected: 08/11/20 13:10 Received: 08/13/20 09:30 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		08/14/20 17:14	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/14/20 17:14	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/14/20 17:14	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/14/20 17:14	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:14	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/14/20 17:14	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/14/20 17:14	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		08/14/20 17:14	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:14	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/14/20 17:14	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/14/20 17:14	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/14/20 17:14	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/14/20 17:14	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/14/20 17:14	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/14/20 17:14	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		08/14/20 17:14	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		08/14/20 17:14	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		08/14/20 17:14	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/14/20 17:14	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/14/20 17:14	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/14/20 17:14	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/14/20 17:14	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/14/20 17:14	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		08/14/20 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/14/20 17:14	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:14	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/14/20 17:14	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		08/14/20 17:14	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		08/14/20 17:14	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/14/20 17:14	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/14/20 17:14	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/14/20 17:14	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/14/20 17:14	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/14/20 17:14	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/14/20 17:14	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/14/20 17:14	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/14/20 17:14	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/14/20 17:14	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/14/20 17:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		08/14/20 17:14	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/14/20 17:14	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/14/20 17:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

Sample: MW-2 **Lab ID: 40212848002** Collected: 08/11/20 13:20 Received: 08/13/20 09:30 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	<0.0067	ug/L	0.033	0.0067	1	08/14/20 15:07	08/18/20 11:29	83-32-9	
Acenaphthylene	<0.0055	ug/L	0.027	0.0055	1	08/14/20 15:07	08/18/20 11:29	208-96-8	
Anthracene	<0.011	ug/L	0.057	0.011	1	08/14/20 15:07	08/18/20 11:29	120-12-7	
Benzo(a)anthracene	<0.0083	ug/L	0.041	0.0083	1	08/14/20 15:07	08/18/20 11:29	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.058	0.012	1	08/14/20 15:07	08/18/20 11:29	50-32-8	
Benzo(b)fluoranthene	<0.0063	ug/L	0.032	0.0063	1	08/14/20 15:07	08/18/20 11:29	205-99-2	
Benzo(g,h,i)perylene	<0.0075	ug/L	0.037	0.0075	1	08/14/20 15:07	08/18/20 11:29	191-24-2	
Benzo(k)fluoranthene	<0.0083	ug/L	0.041	0.0083	1	08/14/20 15:07	08/18/20 11:29	207-08-9	
Chrysene	<0.014	ug/L	0.072	0.014	1	08/14/20 15:07	08/18/20 11:29	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.055	0.011	1	08/14/20 15:07	08/18/20 11:29	53-70-3	
Fluoranthene	<0.012	ug/L	0.059	0.012	1	08/14/20 15:07	08/18/20 11:29	206-44-0	
Fluorene	0.0099J	ug/L	0.044	0.0088	1	08/14/20 15:07	08/18/20 11:29	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.097	0.019	1	08/14/20 15:07	08/18/20 11:29	193-39-5	
1-Methylnaphthalene	0.34	ug/L	0.032	0.0065	1	08/14/20 15:07	08/18/20 11:29	90-12-0	
2-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	08/14/20 15:07	08/18/20 11:29	91-57-6	
Naphthalene	2.3	ug/L	0.10	0.020	1	08/14/20 15:07	08/18/20 11:29	91-20-3	
Phenanthrene	<0.015	ug/L	0.076	0.015	1	08/14/20 15:07	08/18/20 11:29	85-01-8	
Pyrene	<0.0084	ug/L	0.042	0.0084	1	08/14/20 15:07	08/18/20 11:29	129-00-0	L2
Surrogates									
2-Fluorobiphenyl (S)	45	%	39-120		1	08/14/20 15:07	08/18/20 11:29	321-60-8	
Terphenyl-d14 (S)	77	%	10-159		1	08/14/20 15:07	08/18/20 11:29	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	17.0	ug/L	5.0	1.2	5		08/14/20 13:17	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		08/14/20 13:17	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		08/14/20 13:17	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		08/14/20 13:17	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		08/14/20 13:17	75-25-2	
Bromomethane	<4.9	ug/L	25.0	4.9	5		08/14/20 13:17	74-83-9	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		08/14/20 13:17	104-51-8	
sec-Butylbenzene	<4.2	ug/L	25.0	4.2	5		08/14/20 13:17	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		08/14/20 13:17	98-06-6	
Carbon tetrachloride	<5.4	ug/L	17.9	5.4	5		08/14/20 13:17	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		08/14/20 13:17	108-90-7	
Chloroethane	<6.7	ug/L	25.0	6.7	5		08/14/20 13:17	75-00-3	
Chloroform	<6.4	ug/L	25.0	6.4	5		08/14/20 13:17	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		08/14/20 13:17	74-87-3	
2-Chlorotoluene	<4.6	ug/L	25.0	4.6	5		08/14/20 13:17	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		08/14/20 13:17	106-43-4	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		08/14/20 13:17	96-12-8	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		08/14/20 13:17	124-48-1	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		08/14/20 13:17	106-93-4	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		08/14/20 13:17	74-95-3	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		08/14/20 13:17	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Sample: MW-2 **Lab ID: 40212848002** Collected: 08/11/20 13:20 Received: 08/13/20 09:30 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	<3.1	ug/L	10.5	3.1	5		08/14/20 13:17	541-73-1	
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		08/14/20 13:17	106-46-7	
Dichlorodifluoromethane	<2.5	ug/L	25.0	2.5	5		08/14/20 13:17	75-71-8	
1,1-Dichloroethane	<1.4	ug/L	5.0	1.4	5		08/14/20 13:17	75-34-3	
1,2-Dichloroethane	<1.4	ug/L	5.0	1.4	5		08/14/20 13:17	107-06-2	
1,1-Dichloroethene	<1.2	ug/L	5.0	1.2	5		08/14/20 13:17	75-35-4	
cis-1,2-Dichloroethene	<1.4	ug/L	5.0	1.4	5		08/14/20 13:17	156-59-2	
trans-1,2-Dichloroethene	<2.3	ug/L	7.7	2.3	5		08/14/20 13:17	156-60-5	
1,2-Dichloropropane	<1.4	ug/L	5.0	1.4	5		08/14/20 13:17	78-87-5	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		08/14/20 13:17	142-28-9	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		08/14/20 13:17	594-20-7	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		08/14/20 13:17	563-58-6	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		08/14/20 13:17	10061-01-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		08/14/20 13:17	10061-02-6	
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		08/14/20 13:17	108-20-3	
Ethylbenzene	30.3	ug/L	5.3	1.6	5		08/14/20 13:17	100-41-4	
Hexachloro-1,3-butadiene	<7.3	ug/L	24.4	7.3	5		08/14/20 13:17	87-68-3	
Isopropylbenzene (Cumene)	25.9J	ug/L	28.1	8.4	5		08/14/20 13:17	98-82-8	
p-Isopropyltoluene	<4.0	ug/L	13.3	4.0	5		08/14/20 13:17	99-87-6	
Methylene Chloride	<2.9	ug/L	25.0	2.9	5		08/14/20 13:17	75-09-2	
Methyl-tert-butyl ether	13.8J	ug/L	20.8	6.2	5		08/14/20 13:17	1634-04-4	
Naphthalene	40.9	ug/L	25.0	5.9	5		08/14/20 13:17	91-20-3	
n-Propylbenzene	38.5	ug/L	25.0	4.1	5		08/14/20 13:17	103-65-1	
Styrene	<15.0	ug/L	50.2	15.0	5		08/14/20 13:17	100-42-5	
1,1,1,2-Tetrachloroethane	<1.3	ug/L	5.0	1.3	5		08/14/20 13:17	630-20-6	
1,1,1,2,2-Tetrachloroethane	<1.4	ug/L	5.0	1.4	5		08/14/20 13:17	79-34-5	
Tetrachloroethene	<1.6	ug/L	5.4	1.6	5		08/14/20 13:17	127-18-4	
Toluene	<1.3	ug/L	4.5	1.3	5		08/14/20 13:17	108-88-3	
1,2,3-Trichlorobenzene	<11.1	ug/L	36.8	11.1	5		08/14/20 13:17	87-61-6	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		08/14/20 13:17	120-82-1	
1,1,1-Trichloroethane	<1.2	ug/L	5.0	1.2	5		08/14/20 13:17	71-55-6	
1,1,2-Trichloroethane	<2.8	ug/L	25.0	2.8	5		08/14/20 13:17	79-00-5	
Trichloroethene	<1.3	ug/L	5.0	1.3	5		08/14/20 13:17	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	5.0	1.1	5		08/14/20 13:17	75-69-4	
1,2,3-Trichloropropane	<3.0	ug/L	25.0	3.0	5		08/14/20 13:17	96-18-4	
1,2,4-Trimethylbenzene	118	ug/L	14.0	4.2	5		08/14/20 13:17	95-63-6	
1,3,5-Trimethylbenzene	6.5J	ug/L	14.6	4.4	5		08/14/20 13:17	108-67-8	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		08/14/20 13:17	75-01-4	
Xylene (Total)	191	ug/L	15.0	7.5	5		08/14/20 13:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		5		08/14/20 13:17	460-00-4	D3
Dibromofluoromethane (S)	103	%	70-130		5		08/14/20 13:17	1868-53-7	
Toluene-d8 (S)	103	%	70-130		5		08/14/20 13:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Sample: MW-3 **Lab ID: 40212848003** Collected: 08/11/20 12:20 Received: 08/13/20 09:30 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	<0.0066	ug/L	0.033	0.0066	1	08/14/20 15:07	08/18/20 11:45	83-32-9	
Acenaphthylene	<0.0054	ug/L	0.027	0.0054	1	08/14/20 15:07	08/18/20 11:45	208-96-8	
Anthracene	<0.011	ug/L	0.057	0.011	1	08/14/20 15:07	08/18/20 11:45	120-12-7	
Benzo(a)anthracene	0.011J	ug/L	0.041	0.0082	1	08/14/20 15:07	08/18/20 11:45	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.057	0.011	1	08/14/20 15:07	08/18/20 11:45	50-32-8	
Benzo(b)fluoranthene	0.011J	ug/L	0.031	0.0062	1	08/14/20 15:07	08/18/20 11:45	205-99-2	
Benzo(g,h,i)perylene	0.010J	ug/L	0.037	0.0074	1	08/14/20 15:07	08/18/20 11:45	191-24-2	
Benzo(k)fluoranthene	0.0084J	ug/L	0.041	0.0082	1	08/14/20 15:07	08/18/20 11:45	207-08-9	
Chrysene	<0.014	ug/L	0.071	0.014	1	08/14/20 15:07	08/18/20 11:45	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.054	0.011	1	08/14/20 15:07	08/18/20 11:45	53-70-3	
Fluoranthene	0.015J	ug/L	0.058	0.012	1	08/14/20 15:07	08/18/20 11:45	206-44-0	
Fluorene	<0.0087	ug/L	0.043	0.0087	1	08/14/20 15:07	08/18/20 11:45	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.096	0.019	1	08/14/20 15:07	08/18/20 11:45	193-39-5	
1-Methylnaphthalene	<0.0064	ug/L	0.032	0.0064	1	08/14/20 15:07	08/18/20 11:45	90-12-0	
2-Methylnaphthalene	<0.0053	ug/L	0.027	0.0053	1	08/14/20 15:07	08/18/20 11:45	91-57-6	
Naphthalene	<0.020	ug/L	0.10	0.020	1	08/14/20 15:07	08/18/20 11:45	91-20-3	
Phenanthrene	0.019J	ug/L	0.075	0.015	1	08/14/20 15:07	08/18/20 11:45	85-01-8	
Pyrene	0.016J	ug/L	0.042	0.0083	1	08/14/20 15:07	08/18/20 11:45	129-00-0	L2
Surrogates									
2-Fluorobiphenyl (S)	53	%	39-120		1	08/14/20 15:07	08/18/20 11:45	321-60-8	
Terphenyl-d14 (S)	82	%	10-159		1	08/14/20 15:07	08/18/20 11:45	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		08/14/20 12:55	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/14/20 12:55	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/14/20 12:55	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/14/20 12:55	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/14/20 12:55	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/14/20 12:55	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 12:55	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/14/20 12:55	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/14/20 12:55	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		08/14/20 12:55	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 12:55	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/14/20 12:55	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/14/20 12:55	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/14/20 12:55	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/14/20 12:55	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/14/20 12:55	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/14/20 12:55	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/14/20 12:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/14/20 12:55	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/14/20 12:55	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 12:55	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Sample: MW-3 **Lab ID: 40212848003** Collected: 08/11/20 12:20 Received: 08/13/20 09:30 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		08/14/20 12:55	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/14/20 12:55	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/14/20 12:55	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/14/20 12:55	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/14/20 12:55	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/14/20 12:55	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/14/20 12:55	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		08/14/20 12:55	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/14/20 12:55	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/14/20 12:55	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/14/20 12:55	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/14/20 12:55	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/14/20 12:55	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/14/20 12:55	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/14/20 12:55	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		08/14/20 12:55	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		08/14/20 12:55	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		08/14/20 12:55	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/14/20 12:55	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/14/20 12:55	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/14/20 12:55	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/14/20 12:55	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/14/20 12:55	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		08/14/20 12:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/14/20 12:55	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/14/20 12:55	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/14/20 12:55	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		08/14/20 12:55	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		08/14/20 12:55	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/14/20 12:55	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/14/20 12:55	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/14/20 12:55	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/14/20 12:55	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/14/20 12:55	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/14/20 12:55	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/14/20 12:55	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/14/20 12:55	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/14/20 12:55	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/14/20 12:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		08/14/20 12:55	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/14/20 12:55	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/14/20 12:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

Sample: MW-4 **Lab ID: 40212848004** Collected: 08/11/20 12:40 Received: 08/13/20 09:30 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	<0.0066	ug/L	0.033	0.0066	1	08/14/20 15:07	08/18/20 12:02	83-32-9	
Acenaphthylene	<0.0054	ug/L	0.027	0.0054	1	08/14/20 15:07	08/18/20 12:02	208-96-8	
Anthracene	<0.011	ug/L	0.057	0.011	1	08/14/20 15:07	08/18/20 12:02	120-12-7	
Benzo(a)anthracene	<0.0082	ug/L	0.041	0.0082	1	08/14/20 15:07	08/18/20 12:02	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.057	0.011	1	08/14/20 15:07	08/18/20 12:02	50-32-8	
Benzo(b)fluoranthene	<0.0062	ug/L	0.031	0.0062	1	08/14/20 15:07	08/18/20 12:02	205-99-2	
Benzo(g,h,i)perylene	<0.0074	ug/L	0.037	0.0074	1	08/14/20 15:07	08/18/20 12:02	191-24-2	
Benzo(k)fluoranthene	<0.0082	ug/L	0.041	0.0082	1	08/14/20 15:07	08/18/20 12:02	207-08-9	
Chrysene	<0.014	ug/L	0.071	0.014	1	08/14/20 15:07	08/18/20 12:02	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.054	0.011	1	08/14/20 15:07	08/18/20 12:02	53-70-3	
Fluoranthene	<0.012	ug/L	0.058	0.012	1	08/14/20 15:07	08/18/20 12:02	206-44-0	
Fluorene	<0.0087	ug/L	0.043	0.0087	1	08/14/20 15:07	08/18/20 12:02	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.096	0.019	1	08/14/20 15:07	08/18/20 12:02	193-39-5	
1-Methylnaphthalene	<0.0064	ug/L	0.032	0.0064	1	08/14/20 15:07	08/18/20 12:02	90-12-0	
2-Methylnaphthalene	<0.0053	ug/L	0.027	0.0053	1	08/14/20 15:07	08/18/20 12:02	91-57-6	
Naphthalene	<0.020	ug/L	0.10	0.020	1	08/14/20 15:07	08/18/20 12:02	91-20-3	
Phenanthrene	<0.015	ug/L	0.075	0.015	1	08/14/20 15:07	08/18/20 12:02	85-01-8	
Pyrene	<0.0083	ug/L	0.042	0.0083	1	08/14/20 15:07	08/18/20 12:02	129-00-0	L2
Surrogates									
2-Fluorobiphenyl (S)	67	%	39-120		1	08/14/20 15:07	08/18/20 12:02	321-60-8	
Terphenyl-d14 (S)	92	%	10-159		1	08/14/20 15:07	08/18/20 12:02	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		08/14/20 17:36	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/14/20 17:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/14/20 17:36	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/14/20 17:36	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/14/20 17:36	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/14/20 17:36	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:36	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/14/20 17:36	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/14/20 17:36	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		08/14/20 17:36	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:36	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/14/20 17:36	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/14/20 17:36	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/14/20 17:36	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/14/20 17:36	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/14/20 17:36	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/14/20 17:36	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/14/20 17:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/14/20 17:36	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/14/20 17:36	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:36	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Sample: MW-4 **Lab ID: 40212848004** Collected: 08/11/20 12:40 Received: 08/13/20 09:30 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		08/14/20 17:36	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/14/20 17:36	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/14/20 17:36	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/14/20 17:36	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:36	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/14/20 17:36	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/14/20 17:36	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		08/14/20 17:36	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:36	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/14/20 17:36	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/14/20 17:36	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/14/20 17:36	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/14/20 17:36	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/14/20 17:36	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/14/20 17:36	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		08/14/20 17:36	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		08/14/20 17:36	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		08/14/20 17:36	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/14/20 17:36	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/14/20 17:36	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/14/20 17:36	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/14/20 17:36	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/14/20 17:36	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		08/14/20 17:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/14/20 17:36	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:36	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/14/20 17:36	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		08/14/20 17:36	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		08/14/20 17:36	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/14/20 17:36	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/14/20 17:36	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/14/20 17:36	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/14/20 17:36	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/14/20 17:36	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/14/20 17:36	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/14/20 17:36	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/14/20 17:36	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/14/20 17:36	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/14/20 17:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		08/14/20 17:36	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/14/20 17:36	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/14/20 17:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

Sample: MW-4D **Lab ID: 40212848005** Collected: 08/11/20 12:40 Received: 08/13/20 09:30 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	<0.0068	ug/L	0.034	0.0068	1	08/14/20 15:07	08/18/20 12:18	83-32-9	
Acenaphthylene	<0.0056	ug/L	0.028	0.0056	1	08/14/20 15:07	08/18/20 12:18	208-96-8	
Anthracene	<0.012	ug/L	0.059	0.012	1	08/14/20 15:07	08/18/20 12:18	120-12-7	
Benzo(a)anthracene	<0.0085	ug/L	0.042	0.0085	1	08/14/20 15:07	08/18/20 12:18	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.059	0.012	1	08/14/20 15:07	08/18/20 12:18	50-32-8	
Benzo(b)fluoranthene	<0.0064	ug/L	0.032	0.0064	1	08/14/20 15:07	08/18/20 12:18	205-99-2	
Benzo(g,h,i)perylene	<0.0076	ug/L	0.038	0.0076	1	08/14/20 15:07	08/18/20 12:18	191-24-2	
Benzo(k)fluoranthene	<0.0085	ug/L	0.042	0.0085	1	08/14/20 15:07	08/18/20 12:18	207-08-9	
Chrysene	<0.015	ug/L	0.073	0.015	1	08/14/20 15:07	08/18/20 12:18	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.056	0.011	1	08/14/20 15:07	08/18/20 12:18	53-70-3	
Fluoranthene	<0.012	ug/L	0.060	0.012	1	08/14/20 15:07	08/18/20 12:18	206-44-0	
Fluorene	<0.0090	ug/L	0.045	0.0090	1	08/14/20 15:07	08/18/20 12:18	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.099	0.020	1	08/14/20 15:07	08/18/20 12:18	193-39-5	
1-Methylnaphthalene	<0.0066	ug/L	0.033	0.0066	1	08/14/20 15:07	08/18/20 12:18	90-12-0	
2-Methylnaphthalene	<0.0055	ug/L	0.028	0.0055	1	08/14/20 15:07	08/18/20 12:18	91-57-6	
Naphthalene	<0.021	ug/L	0.10	0.021	1	08/14/20 15:07	08/18/20 12:18	91-20-3	
Phenanthrene	<0.015	ug/L	0.077	0.015	1	08/14/20 15:07	08/18/20 12:18	85-01-8	
Pyrene	<0.0086	ug/L	0.043	0.0086	1	08/14/20 15:07	08/18/20 12:18	129-00-0	L2
Surrogates									
2-Fluorobiphenyl (S)	60	%	39-120		1	08/14/20 15:07	08/18/20 12:18	321-60-8	
Terphenyl-d14 (S)	85	%	10-159		1	08/14/20 15:07	08/18/20 12:18	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		08/14/20 17:59	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/14/20 17:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/14/20 17:59	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/14/20 17:59	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/14/20 17:59	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/14/20 17:59	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:59	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/14/20 17:59	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/14/20 17:59	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		08/14/20 17:59	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:59	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/14/20 17:59	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/14/20 17:59	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/14/20 17:59	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/14/20 17:59	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/14/20 17:59	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/14/20 17:59	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/14/20 17:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/14/20 17:59	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/14/20 17:59	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/14/20 17:59	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Sample: MW-4D **Lab ID: 40212848005** Collected: 08/11/20 12:40 Received: 08/13/20 09:30 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		08/14/20 17:59	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/14/20 17:59	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/14/20 17:59	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/14/20 17:59	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:59	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/14/20 17:59	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/14/20 17:59	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		08/14/20 17:59	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:59	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/14/20 17:59	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/14/20 17:59	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/14/20 17:59	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/14/20 17:59	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/14/20 17:59	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/14/20 17:59	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		08/14/20 17:59	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		08/14/20 17:59	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		08/14/20 17:59	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/14/20 17:59	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/14/20 17:59	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/14/20 17:59	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/14/20 17:59	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/14/20 17:59	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		08/14/20 17:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/14/20 17:59	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/14/20 17:59	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/14/20 17:59	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		08/14/20 17:59	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		08/14/20 17:59	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/14/20 17:59	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/14/20 17:59	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/14/20 17:59	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/14/20 17:59	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/14/20 17:59	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/14/20 17:59	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/14/20 17:59	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/14/20 17:59	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/14/20 17:59	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/14/20 17:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		08/14/20 17:59	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/14/20 17:59	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/14/20 17:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

Sample: TB-1 **Lab ID: 40212848006** Collected: 08/11/20 12:00 Received: 08/13/20 09:30 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		08/17/20 07:57	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/17/20 07:57	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/17/20 07:57	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/17/20 07:57	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/17/20 07:57	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/17/20 07:57	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/17/20 07:57	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/17/20 07:57	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/17/20 07:57	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		08/17/20 07:57	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/17/20 07:57	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/17/20 07:57	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/17/20 07:57	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/17/20 07:57	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/17/20 07:57	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/17/20 07:57	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/17/20 07:57	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/17/20 07:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/17/20 07:57	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/17/20 07:57	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/17/20 07:57	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/17/20 07:57	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/17/20 07:57	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/17/20 07:57	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/17/20 07:57	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/17/20 07:57	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/17/20 07:57	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/17/20 07:57	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		08/17/20 07:57	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/17/20 07:57	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/17/20 07:57	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/17/20 07:57	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/17/20 07:57	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/17/20 07:57	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/17/20 07:57	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/17/20 07:57	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		08/17/20 07:57	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		08/17/20 07:57	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		08/17/20 07:57	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/17/20 07:57	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/17/20 07:57	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/17/20 07:57	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/17/20 07:57	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/17/20 07:57	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		08/17/20 07:57	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Sample: TB-1 **Lab ID: 40212848006** Collected: 08/11/20 12:00 Received: 08/13/20 09:30 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		08/17/20 07:57	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/17/20 07:57	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/17/20 07:57	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		08/17/20 07:57	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		08/17/20 07:57	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/17/20 07:57	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/17/20 07:57	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/17/20 07:57	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/17/20 07:57	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/17/20 07:57	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/17/20 07:57	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/17/20 07:57	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/17/20 07:57	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/17/20 07:57	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		08/17/20 07:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		08/17/20 07:57	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/17/20 07:57	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/17/20 07:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

QC Batch: 362936

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40212848001, 40212848002, 40212848003, 40212848004, 40212848005, 40212848006

METHOD BLANK: 2098144

Matrix: Water

Associated Lab Samples: 40212848001, 40212848002, 40212848003, 40212848004, 40212848005, 40212848006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/14/20 10:06	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/14/20 10:06	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/14/20 10:06	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/14/20 10:06	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/14/20 10:06	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/14/20 10:06	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/14/20 10:06	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	08/14/20 10:06	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/14/20 10:06	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/14/20 10:06	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/14/20 10:06	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/14/20 10:06	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/14/20 10:06	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/14/20 10:06	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/14/20 10:06	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/14/20 10:06	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/14/20 10:06	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/14/20 10:06	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/14/20 10:06	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/14/20 10:06	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/14/20 10:06	
2-Chlorotoluene	ug/L	<0.93	5.0	08/14/20 10:06	
4-Chlorotoluene	ug/L	<0.76	2.5	08/14/20 10:06	
Benzene	ug/L	<0.25	1.0	08/14/20 10:06	
Bromobenzene	ug/L	<0.24	1.0	08/14/20 10:06	
Bromochloromethane	ug/L	<0.36	5.0	08/14/20 10:06	
Bromodichloromethane	ug/L	<0.36	1.2	08/14/20 10:06	
Bromoform	ug/L	<4.0	13.2	08/14/20 10:06	
Bromomethane	ug/L	<0.97	5.0	08/14/20 10:06	
Carbon tetrachloride	ug/L	<1.1	3.6	08/14/20 10:06	
Chlorobenzene	ug/L	<0.71	2.4	08/14/20 10:06	
Chloroethane	ug/L	<1.3	5.0	08/14/20 10:06	
Chloroform	ug/L	<1.3	5.0	08/14/20 10:06	
Chloromethane	ug/L	<2.2	7.3	08/14/20 10:06	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/14/20 10:06	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/14/20 10:06	
Dibromochloromethane	ug/L	<2.6	8.7	08/14/20 10:06	
Dibromomethane	ug/L	<0.94	3.1	08/14/20 10:06	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/14/20 10:06	
Diisopropyl ether	ug/L	<1.9	6.3	08/14/20 10:06	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

METHOD BLANK: 2098144 Matrix: Water
Associated Lab Samples: 40212848001, 40212848002, 40212848003, 40212848004, 40212848005, 40212848006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	08/14/20 10:06	
Hexachloro-1,3-butadiene	ug/L	1.8J	4.9	08/14/20 10:06	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	08/14/20 10:06	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/14/20 10:06	
Methylene Chloride	ug/L	<0.58	5.0	08/14/20 10:06	
n-Butylbenzene	ug/L	<0.71	2.4	08/14/20 10:06	
n-Propylbenzene	ug/L	<0.81	5.0	08/14/20 10:06	
Naphthalene	ug/L	<1.2	5.0	08/14/20 10:06	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/14/20 10:06	
sec-Butylbenzene	ug/L	<0.85	5.0	08/14/20 10:06	
Styrene	ug/L	<3.0	10.0	08/14/20 10:06	
tert-Butylbenzene	ug/L	<0.30	1.0	08/14/20 10:06	
Tetrachloroethene	ug/L	<0.33	1.1	08/14/20 10:06	
Toluene	ug/L	<0.27	0.90	08/14/20 10:06	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	08/14/20 10:06	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/14/20 10:06	
Trichloroethene	ug/L	<0.26	1.0	08/14/20 10:06	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/14/20 10:06	
Vinyl chloride	ug/L	<0.17	1.0	08/14/20 10:06	
Xylene (Total)	ug/L	<1.5	3.0	08/14/20 10:06	
4-Bromofluorobenzene (S)	%	104	70-130	08/14/20 10:06	
Dibromofluoromethane (S)	%	103	70-130	08/14/20 10:06	
Toluene-d8 (S)	%	103	70-130	08/14/20 10:06	

LABORATORY CONTROL SAMPLE: 2098145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	53.0	106	64-131	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	55.1	110	69-163	
1,1-Dichloroethene	ug/L	50	50.7	101	77-123	
1,2,4-Trichlorobenzene	ug/L	50	49.1	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.8	92	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	54.2	108	78-142	
1,2-Dichloropropane	ug/L	50	53.9	108	86-134	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	49.6	99	70-130	
Benzene	ug/L	50	53.6	107	70-130	
Bromodichloromethane	ug/L	50	50.1	100	70-130	
Bromoform	ug/L	50	44.3	89	70-130	
Bromomethane	ug/L	50	34.9	70	39-129	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

LABORATORY CONTROL SAMPLE: 2098145

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	47.5	95	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	52.5	105	66-140	
Chloroform	ug/L	50	54.2	108	75-132	
Chloromethane	ug/L	50	43.3	87	32-143	
cis-1,2-Dichloroethene	ug/L	50	50.9	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.7	99	70-130	
Dibromochloromethane	ug/L	50	44.4	89	70-130	
Dichlorodifluoromethane	ug/L	50	31.6	63	10-141	
Ethylbenzene	ug/L	50	52.9	106	80-120	
Isopropylbenzene (Cumene)	ug/L	50	51.2	102	70-130	
Methyl-tert-butyl ether	ug/L	50	51.2	102	61-129	
Methylene Chloride	ug/L	50	52.3	105	70-130	
Styrene	ug/L	50	50.2	100	70-130	
Tetrachloroethene	ug/L	50	49.8	100	70-130	
Toluene	ug/L	50	50.7	101	80-120	
trans-1,2-Dichloroethene	ug/L	50	51.3	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.1	96	69-130	
Trichloroethene	ug/L	50	53.0	106	70-130	
Trichlorofluoromethane	ug/L	50	53.8	108	75-145	
Vinyl chloride	ug/L	50	49.8	100	51-140	
Xylene (Total)	ug/L	150	151	101	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2098278 2098279

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40212848003 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	52.2	54.0	104	108	70-130	3	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	52.9	55.0	106	110	64-137	4	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	52.5	53.9	105	108	70-137	3	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	56.4	57.7	113	115	69-163	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	52.5	53.0	105	106	77-129	1	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.0	52.7	101	105	68-130	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	46.4	50.0	93	100	60-130	7	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50.8	52.6	102	105	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50.5	52.0	101	104	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	54.4	55.8	109	112	78-145	3	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	54.0	55.7	108	111	86-135	3	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.7	52.4	101	105	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.2	51.6	100	103	70-130	3	20		
Benzene	ug/L	<0.25	50	50	54.0	55.1	108	110	70-136	2	20		

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

Parameter	Units	2098278		2098279		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40212848003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Bromodichloromethane	ug/L	<0.36	50	50	50.5	52.5	101	105	70-130	4	20	
Bromoform	ug/L	<4.0	50	50	45.5	47.8	91	96	69-130	5	20	
Bromomethane	ug/L	<0.97	50	50	42.7	46.2	85	92	39-138	8	20	
Carbon tetrachloride	ug/L	<1.1	50	50	49.1	50.6	98	101	70-142	3	20	
Chlorobenzene	ug/L	<0.71	50	50	51.1	52.7	102	105	70-130	3	20	
Chloroethane	ug/L	<1.3	50	50	55.4	57.0	111	114	61-149	3	20	
Chloroform	ug/L	<1.3	50	50	54.7	56.0	109	112	75-133	2	20	
Chloromethane	ug/L	<2.2	50	50	51.3	53.3	102	106	32-143	4	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.3	52.3	103	105	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50.4	52.3	101	105	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.7	47.5	91	95	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	47.7	49.3	95	99	10-141	3	20	
Ethylbenzene	ug/L	<0.32	50	50	53.4	55.0	107	110	80-120	3	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	51.5	53.1	103	106	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	51.5	52.6	103	105	61-136	2	20	
Methylene Chloride	ug/L	<0.58	50	50	53.0	54.6	106	109	68-137	3	20	
Styrene	ug/L	<3.0	50	50	50.4	52.0	101	104	70-130	3	20	
Tetrachloroethene	ug/L	<0.33	50	50	50.4	51.3	101	103	70-130	2	20	
Toluene	ug/L	<0.27	50	50	51.3	52.8	103	106	80-120	3	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	52.6	53.8	105	108	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	48.8	50.9	98	102	69-130	4	20	
Trichloroethene	ug/L	<0.26	50	50	53.2	54.6	106	109	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	55.6	57.4	111	115	74-157	3	20	
Vinyl chloride	ug/L	<0.17	50	50	55.3	58.0	111	116	51-140	5	20	
Xylene (Total)	ug/L	<1.5	150	150	154	158	102	105	70-130	3	20	
4-Bromofluorobenzene (S)	%						103	104	70-130			
Dibromofluoromethane (S)	%						105	105	70-130			
Toluene-d8 (S)	%						103	104	70-130			

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40212848

QC Batch: 363016 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: 40212848001, 40212848002, 40212848003, 40212848004, 40212848005

METHOD BLANK: 2098601 Matrix: Water
Associated Lab Samples: 40212848001, 40212848002, 40212848003, 40212848004, 40212848005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	08/18/20 10:06	
2-Methylnaphthalene	ug/L	<0.0049	0.024	08/18/20 10:06	
Acenaphthene	ug/L	<0.0061	0.030	08/18/20 10:06	
Acenaphthylene	ug/L	<0.0050	0.025	08/18/20 10:06	
Anthracene	ug/L	<0.010	0.052	08/18/20 10:06	
Benzo(a)anthracene	ug/L	<0.0076	0.038	08/18/20 10:06	
Benzo(a)pyrene	ug/L	<0.011	0.053	08/18/20 10:06	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	08/18/20 10:06	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	08/18/20 10:06	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	08/18/20 10:06	
Chrysene	ug/L	<0.013	0.065	08/18/20 10:06	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	08/18/20 10:06	
Fluoranthene	ug/L	<0.011	0.053	08/18/20 10:06	
Fluorene	ug/L	<0.0080	0.040	08/18/20 10:06	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	08/18/20 10:06	
Naphthalene	ug/L	<0.018	0.092	08/18/20 10:06	
Phenanthrene	ug/L	<0.014	0.069	08/18/20 10:06	
Pyrene	ug/L	<0.0076	0.038	08/18/20 10:06	
2-Fluorobiphenyl (S)	%	60	39-120	08/18/20 10:06	
Terphenyl-d14 (S)	%	107	10-159	08/18/20 10:06	

LABORATORY CONTROL SAMPLE & LCSD: 2098602

2098603

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	0.98	1.0	49	50	37-120	2	25	
2-Methylnaphthalene	ug/L	2	1.0	1.1	52	53	38-120	3	25	
Acenaphthene	ug/L	2	1.2	1.2	58	58	49-120	1	24	
Acenaphthylene	ug/L	2	1.0	1.0	51	51	43-85	1	26	
Anthracene	ug/L	2	1.2	1.2	62	60	57-110	2	28	
Benzo(a)anthracene	ug/L	2	1.6	1.6	82	81	47-118	2	27	
Benzo(a)pyrene	ug/L	2	1.5	1.4	75	72	70-120	3	20	
Benzo(b)fluoranthene	ug/L	2	1.5	1.5	75	77	54-97	3	21	
Benzo(g,h,i)perylene	ug/L	2	1.3	1.2	65	58	26-74	12	42	
Benzo(k)fluoranthene	ug/L	2	1.6	1.7	81	86	73-126	6	22	
Chrysene	ug/L	2	1.8	1.8	91	91	75-151	1	20	
Dibenz(a,h)anthracene	ug/L	2	1.2	1.0	61	50	13-72	20	50	
Fluoranthene	ug/L	2	1.5	1.4	74	70	63-120	5	20	
Fluorene	ug/L	2	1.2	1.2	59	58	53-120	1	26	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	1.7	86	83	51-101	3	27	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Parameter	Units	2098602		2098603			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Naphthalene	ug/L	2	1.0	1.0	51	52	41-120	2	24	
Phenanthrene	ug/L	2	1.3	1.3	63	63	47-100	1	22	
Pyrene	ug/L	2	1.5	1.4	76	69	70-128	9	20 L2	
2-Fluorobiphenyl (S)	%				59	58	39-120			
Terphenyl-d14 (S)	%				97	93	10-159			

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

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QUALIFIERS

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 363029

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60578411 704 75TH STREET

Pace Project No.: 40212848

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40212848001	MW-1	EPA 3510	363016	EPA 8270 by HVI	363029
40212848002	MW-2	EPA 3510	363016	EPA 8270 by HVI	363029
40212848003	MW-3	EPA 3510	363016	EPA 8270 by HVI	363029
40212848004	MW-4	EPA 3510	363016	EPA 8270 by HVI	363029
40212848005	MW-4D	EPA 3510	363016	EPA 8270 by HVI	363029
40212848001	MW-1	EPA 8260	362936		
40212848002	MW-2	EPA 8260	362936		
40212848003	MW-3	EPA 8260	362936		
40212848004	MW-4	EPA 8260	362936		
40212848005	MW-4D	EPA 8260	362936		
40212848006	TB-1	EPA 8260	362936		

REPORT OF LABORATORY ANALYSIS

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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.

40212848

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Mitw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To: Joel Mackinney	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altенbach@aecom.com	Purchase Order No.: 200476	Pace Quote Reference: N/A
Phone: 414-577-1363	Project Name: 704 75th Street	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60578411	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY	
<input type="checkbox"/> IPDES	<input checked="" type="checkbox"/> GROUND WATER
<input type="checkbox"/> DRINKING WATER	<input type="checkbox"/> UST
<input type="checkbox"/> RCRA	<input type="checkbox"/> OTHER
SITE LOCATION	
<input type="checkbox"/> 3A	<input type="checkbox"/> IL
<input type="checkbox"/> IN	<input type="checkbox"/> MI
<input type="checkbox"/> NC	<input type="checkbox"/> OH
<input checked="" type="checkbox"/> WI	<input type="checkbox"/> OTHER
Filtered (Y/N)	NN
Requested Analytes	VOCs 8280 PAHs 8270sum Residual Chlorine (Y/N)
Pace Project Number Lab I.D.	

ITEM #	Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIFE WP AIR AR OTHER OT TISSUE TS	CODE	COLLECTED				SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives								Filtered (Y/N)	Requested Analytes	Pace Project Number Lab I.D.																									
				MATRIX CODE	SAMPLE TYPE G+GRAB C-COMP	COMPOSITE START				COMPOSITE END/GRAB		Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅				Methanol	Other																							
						DATE	TIME			DATE	TIME																																		
1	MW-1			WT	G			8/11/20	1310	5	2			3							X	X						001																	
2	MW-2								1320	5	2			3								X	X						002																
3	MW-3								1220	5	2			3								X	X						003																
4	MW-4								1240	5	2			3								X	X						004																
5	MW-4D								1240	5	2			3								X	X						005																
6	TB-1								1200	2				2								X							006																
7																																													
8																																													
9																																													
10																																													
11																																													
12																																													

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
Joel Mackinney AECOM	8/12/20	0900	Mary Fannin	8/12/20	9:08		Y/N	Y/N	Y/N	Y/N
Mary Fannin	8/12/20	1320					Y/N	Y/N	Y/N	Y/N
CS Logistics	8/13/20	0930	Sam Kyrk Pree	8/13/20	0930	ROI	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER:	Joel Mackinney				
SIGNATURE of SAMPLER:	Joel Mackinney				
DATE Signed (MM/DD/YY)	8/11/2020				

Sample Preservation Receipt Form

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

Client Name: AECOM

Project # U0212048

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):


Initial when completed:

Date/ Time:

Pace Lab #	Glass							Plastic					Vials				Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)			
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN
001																3																	2.5 / 5 / 10
002																3																	2.5 / 5 / 10
003																3																	2.5 / 5 / 10
004																3																	2.5 / 5 / 10
005																3																	2.5 / 5 / 10
006																3																	2.5 / 5 / 10
007																2																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

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

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	VG9A 40 mL clear ascorbic	JGFU 4 oz amber jar unpres
BG1U 1 liter clear glass	BP3U 250 mL plastic unpres	DG9T 40 mL amber Na Thio	JG9U 9 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP3B 250 mL plastic NaOH	VG9U 40 mL clear vial unpres	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9H 40 mL clear vial HCL	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3S 250 mL plastic H2SO4	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG5U 100 mL amber glass unpres		VG9D 40 mL clear vial DI	ZPLC ziploc bag
AG2S 500 mL amber glass H2SO4			GN
BG3U 250 mL clear glass unpres			

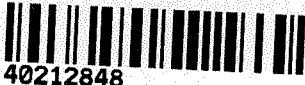
 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: AELoM
Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____

Project #: _____

WO# : 40212848



40212848

Tracking #: _____
Custody Seal on Cooler/Box Present: yes no **Seals intact:** yes no
Custody Seal on Samples Present: yes no **Seals intact:** yes no
Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer Used SR - N/A **Type of Ice:** Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature **Uncorr:** ROV / **Corr:** _____
Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no

Person examining contents:
Date: 8/13/20 / **Initials:** SRK
Labeled By Initials: [Signature]

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: <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	8.
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>006 ID "Trip Blank"</u> <u>8/13/20 SRK</u>
-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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>411</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