

November 25, 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: November 2020 Groundwater Monitoring Results
704 75th Street, Kenosha WI
BRRTS# 03-30-532981

Dear Ms. Billingsley

AECOM conducted a groundwater sampling event on November 13, 2020 as part of quarterly groundwater monitoring 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 November 2020 sampling event.

Site History

The Property is approximately 0.35 acres located at 704 75th Street, at the northwest corner of 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 November 2020 sampling event, all four of the groundwater monitoring wells were sampled. The groundwater level was measured in the observation well (TP-OBS) located near the east Property boundary but the well was not sampled. 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 three 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, and temperature, were measured directly at the time the well was sampled. The field parameter measurements are included in Table 2. Dissolved oxygen was not measured in the November 2020 event.

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 November 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, preventive action limits (PAL) and enforcement standards (ES). The reported concentrations are summarized on Table 3 (VOCs) and Table 4 (PAH) and exceedances are illustrated on Figure 4. The laboratory analytical report is also attached. There was one PAL exceedance in the November 2020 event by benzene in monitoring well MW-2.

Groundwater analytical concentrations detected in the November 2020 sampling event are lower than 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 November 2020, MW-2 has PAL exceedance of benzene and overall, much lower analyte concentrations were reported than during previous sample events. Concentration trends were also evaluated for the groundwater from MW-2 (Figure 5). The recorded sampling events have indicated a direct correlation between analyte concentrations (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. Two years of quarterly sampling has been completed. The site should be considered ready for case closure.

Please contact us if you have questions about this letter.

Yours sincerely,



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cc: Zohrab Khaligian, City of Kenosha
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 – November 2020

Figure 4 – Groundwater Analytical Summary Exceedances – November 2020

Figure 5 – MW-2 Analyte Concentrations and Groundwater Elevations over Time

Laboratory Analytical Report – Pace Project No. 40218444

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
11/13/2020	10.73	596.30	10.18	596.62	11.07	597.59	11.23	598.87	9.75	597.28

NOTES:

ft = feet

^A = as measured inside well

-- No Elevation

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

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Millivolts)	Specific Conductivity (mS/cm)	Temperature (° Celcius)	Groundwater Elevation (feet msl)
MW-1	8/9/2018	7.14	7.08	201.10	1.128	20.98	597.18
	2/13/2019	6.19	11.6	30.70	0.692	8.67	597.91
	5/23/2019	6.79	7.22	101.1	0.738	20.49	598.09
	8/14/2019	7.05	5.04	93.6	0.588	17.38	596.76
	11/13/2019	6.89	8.83	129.6	1.023	6.34	597.91
	2/12/2020	6.89	9.45	163	0.876	6.98	597.54
	5/6/2020	6.96	9.12	126.8	0.870	11.38	598.58
	8/11/2020	5.74	6.71	284.6	0.749	20.03	597.60
	11/13/2020	7.1156	--	193.03	0.932	13.41	596.30
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
	11/13/2020	7.43	--	81.55	0.995	14.74	596.62
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
	11/13/2020	7.29	--	199.73	0.628	13.07	597.59
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
	11/13/2020	7.42	--	194.74	0.679	13.26	598.87

ORP = Oxidation reduction potential
mg/l = milligrams per liter
ms/cm - millisiemens per centimeter
msl = mean sea level
° = degrees
-- = Not measured

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)	Toluene (ug/L)	Total Xylenes (ug/L)
MW-1	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	<u>2.2</u> ^J	< 1.3	34.7	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/23/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	8/14/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	11/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/12/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/6/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5
	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
11/13/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5	
MW-2	8/9/2018	8.2	1.5 ^J	<u>3.3</u>	< 0.85	< 0.36	<u>2.4</u> ^J	< 1.3	44.6	4.8	2.1 ^J	< 0.80	<u>17.4</u>	3.0 ^J	1.2 ^J	< 0.17	6.4
	2/13/2019	<u>344</u>	<u>42.2</u>	30.0	2.1 ^J	< 0.36	< 0.97	< 1.3	< 2.2	<u>206</u>	66.5	1.1 ^J	<u>18.9</u>	<u>98.5</u>	103	0.48 ^J	<u>692</u>
	5/23/2019	<u>248</u>	<u>37.1</u>	17.1	1.8 ^J	< 0.36	< 0.97	< 1.3	< 2.2	<u>185</u>	49.8	1.0 ^J	<u>18.3</u>	<u>77.9</u>	87.4	0.26 ^J	<u>624</u>
	8/14/2019	< 0.84	< 0.87	5.6	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	0.27 ^J	0.47 ^J	< 0.80	<u>19.5</u>	< 1.2	0.94 ^J	< 0.17	< 1.5
	11/13/2019	459	46.3	28.8	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	<u>216</u>	84.6	< 0.80	<u>12.9</u> ^J	120	150	< 0.17	<u>799</u>
	2/12/2020	21.7	1.1 ^J	10.7	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	7.3	6.8	< 0.80	<u>16.9</u>	6.1	8.1	< 0.17	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</u> ^J	<u>40.9</u>	38.5	< 1.3	191
11/13/2020	< 0.84	< 0.87	<u>0.90</u> ^J	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	<u>10.7</u>	< 1.2	< 0.81	< 0.27	< 1.5	
MW-3	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	<u>2.4</u> ^J	< 1.3	39.1	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/23/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	8/14/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	11/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/12/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/6/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5
	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
11/13/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5	
MW-4	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	<u>0.58</u> ^J	< 0.97	<u>3.0</u> ^J	<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</u> ^J	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/23/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	8/14/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	11/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	2/12/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
	5/6/2020	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	< 0.32	< 1.7	< 0.80	< 1.2	< 1.2	< 0.81	< 0.27	< 1.5
	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
11/13/2020	< 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
	11/13/2020	< 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
	11/13/2020	< 0.0061	< 0.0051	< 0.0063	< 0.0051	< 0.011	< 0.0078	< 0.011	< 0.0059	< 0.0070	< 0.0078	< 0.013	< 0.010	< 0.011	< 0.0082	< 0.018	< 0.019	< 0.014	< 0.0079
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
	11/13/2020	0.016 ^J	0.015 ^J	< 0.0067	< 0.0055	< 0.012	< 0.0084	< 0.012	< 0.0064	< 0.0075	< 0.0084	< 0.014	< 0.011	< 0.012	< 0.0089	< 0.020	< 0.020	< 0.015	< 0.0085
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
	11/13/2020	< 0.0062	< 0.0052	< 0.0064	< 0.0052	< 0.011	< 0.0079	< 0.011	< 0.0060	< 0.0071	< 0.0079	< 0.014	< 0.011	< 0.011	< 0.0084	< 0.019	< 0.019	< 0.015	< 0.0081
MW-4	8/9/2018	< 0.0055	< 0.0045	< 0.0056	< 0.0046	< 0.0097	< 0.0070	< 0.0098	< 0.0053	< 0.0063	< 0.0070	< 0.012	< 0.0093	< 0.0099	< 0.0074	< 0.016	< 0.017	< 0.013	< 0.0071
	2/13/2019	0.0073 ^J	0.0071 ^J	< 0.0055	< 0.0045	< 0.0094	< 0.0068	< 0.0095	< 0.0052	< 0.0061	< 0.0068	< 0.012	< 0.0090	< 0.0096	< 0.0072	< 0.016	< 0.017	0.013 ^J	< 0.0069
	5/23/2019	< 0.0062	< 0.0052	< 0.0064	< 0.0052	< 0.011	< 0.0079	< 0.011	< 0.0060	< 0.0071	0.0088 ^J	< 0.014	< 0.011	< 0.011	< 0.0084	< 0.019	< 0.019	< 0.015	< 0.0081
	8/14/2019	< 0.0064	< 0.0053	< 0.0066	< 0.0054	< 0.011	0.015 ^J	< 0.011	0.013 ^J	0.011 ^J	0.012 ^J	< 0.014	< 0.011	< 0.012	< 0.0087	< 0.019	< 0.020	< 0.015	0.010 ^J
	11/13/2019	< 0.0061	< 0.0051	< 0.0063	< 0.0051	< 0.011	0.0089 ^J	< 0.011	0.0082 ^J	0.010 ^J	0.0090 ^J	< 0.013	< 0.010	< 0.011	< 0.0082	< 0.018	< 0.019	< 0.014	0.0081 ^J
	2/12/2020	< 0.0053	< 0.0053	< 0.0065	< 0.0054	< 0.011	< 0.0081	< 0.011	< 0.0062	< 0.0073	< 0.0081	< 0.014	< 0.011	< 0.011	< 0.0086	< 0.019	< 0.020	< 0.015	< 0.0082
	5/6/2020	< 0.0059	< 0.0049	< 0.0061	< 0.0050	0.011 ^J	< 0.0076	< 0.011	< 0.0057	< 0.0068	< 0.0076	< 0.013	< 0.010	< 0.011	< 0.0080	< 0.018	< 0.018	< 0.014	< 0.0076
	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
	11/13/2020	< 0.0061	< 0.0051	< 0.0063	< 0.0051	< 0.011	< 0.0078	< 0.011	< 0.0059	< 0.0070	< 0.0078	< 0.013	< 0.010	< 0.011	< 0.0082	< 0.018	< 0.019	< 0.014	< 0.0079

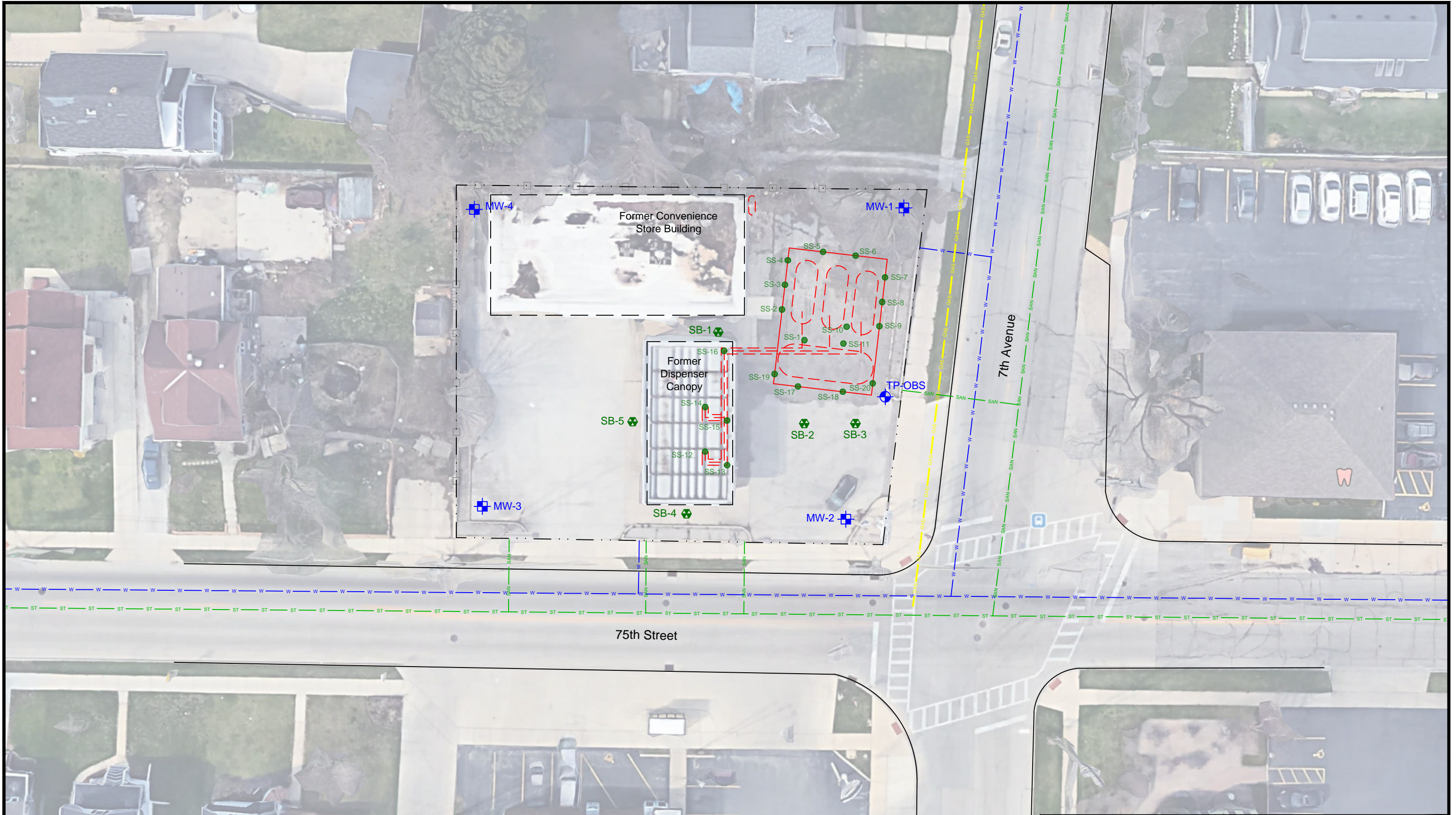
Table 4
Polycyclic Aromatic Hydrocarbons in Groundwater
704 75th Street, Kenosha, Wisconsin

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
11/13/2020	< 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	
	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

File: \\USM\W\K\F\001\Prod\Data\Projects\6057841\1900_Work\CADD\704 75th St_2020 - Quarterly Monitoring.dwg, USER: MACKINNEY, JOEL; PLOTTED: May 19, 2020 - 6:16 PM



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

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

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



AECOM
Milwaukee Office
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 - NOVEMBER 2020

Project Number:
 60578411

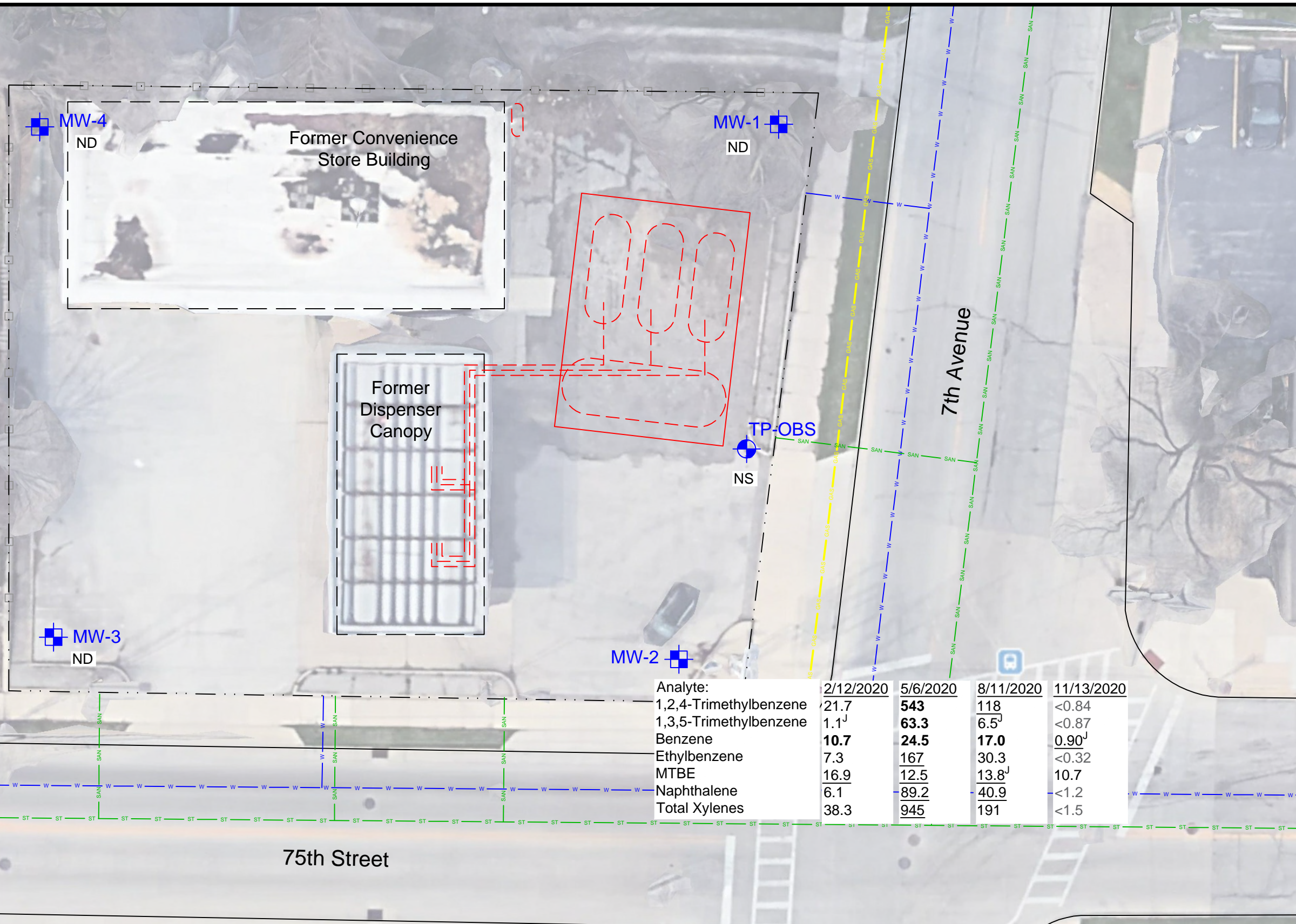
Drawn By:
 JSM

Date:
 11/23/2020

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	11/13/2020
1,2,4-Trimethylbenzene	21.7	543	118	<0.84
1,3,5-Trimethylbenzene	1.1 ^J	63.3	6.5 ^J	<0.87
Benzene	10.7	24.5	17.0	<u>0.90^J</u>
Ethylbenzene	7.3	<u>167</u>	30.3	<0.32
MTBE	<u>16.9</u>	<u>12.5</u>	<u>13.8^J</u>	10.7
Naphthalene	6.1	<u>89.2</u>	<u>40.9</u>	<1.2
Total Xylenes	38.3	<u>945</u>	191	<1.5

LEGEND:

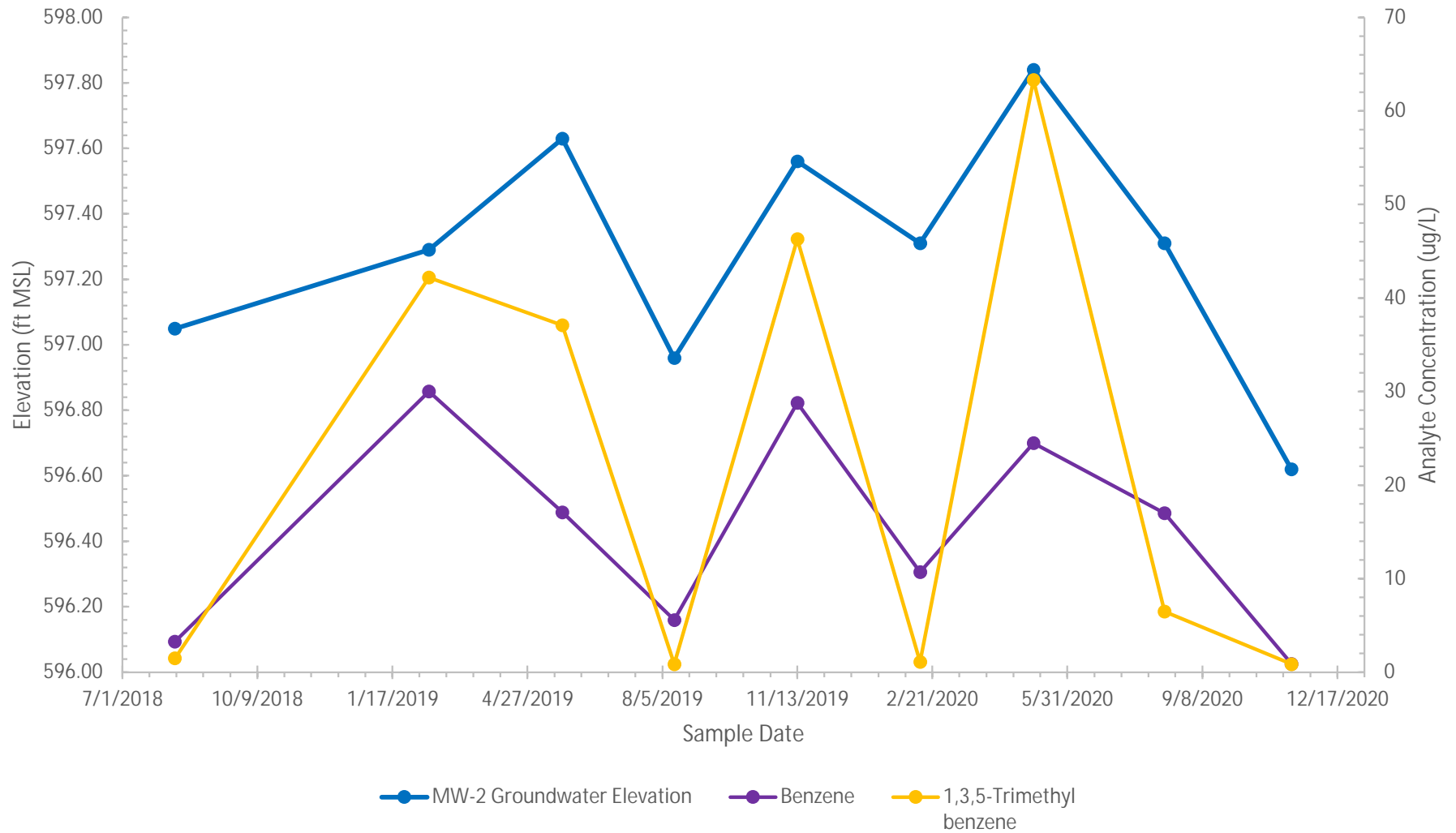
- - - - PROPERTY BOUNDARY
- FENCE
- ROADS
- - - - FORMER BUILDING & CANOPY
- ⬡ FORMER UST
- - - - FORMER UNDERGROUND PIPING
- GAS — UTILITY - GAS
- W — UTILITY - WATER
- SAN — UTILITY - SANITARY SEWER
- ⊕ MONITORING WELL
- ⊕ OBSERVATION WELL
- ND NO DETECTS
- NS NOT SAMPLED
- NE NO EXCEEDANCES



AECOM Milwaukee Office 1555 RiverCenter Dr Milwaukee, WI 414.944.6080	Former Gas Station 704 75th Street Kenosha, WI 53143
	GROUNDWATER QUALITY EXCEEDANCES NOVEMBER 13, 2020
Project Number: 60578411	Drawn By: JSM
Date: 8/25/2020	Figure No. 4

File: \\USM\W\K\F\001\Prod\Data\Projects\60578411\900_ Work\CADD\704 75th St_2020 - Quarterly Monitoring.dwg; USER: MACKINNEY, JOEL; PLOTTED: November 23, 2020 - 5:27 PM

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



Laboratory Analytical Report

November 18, 2020

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

RE: Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on November 14, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Joel Mackinney, AECOM



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

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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without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40218444001	MW-1	Water	11/13/20 12:15	11/14/20 08:25
40218444002	MW-2	Water	11/13/20 12:45	11/14/20 08:25
40218444003	MW-3	Water	11/13/20 11:20	11/14/20 08:25
40218444004	MW-4	Water	11/13/20 11:45	11/14/20 08:25
40218444005	MW-4D	Water	11/13/20 11:45	11/14/20 08:25
40218444006	TB-1	Water	11/13/20 11:10	11/14/20 08:25

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SAMPLE ANALYTE COUNT

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40218444001	MW-1	EPA 8270 by HVI	RJN	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40218444002	MW-2	EPA 8270 by HVI	RJN	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40218444003	MW-3	EPA 8270 by HVI	RJN	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40218444004	MW-4	EPA 8270 by HVI	RJN	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40218444005	MW-4D	EPA 8270 by HVI	RJN	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40218444006	TB-1	EPA 8260	HNW	63	PASI-G
		EPA 8260	HNW	63	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40218444002	MW-2					
EPA 8270 by HVI	1-Methylnaphthalene	0.016J	ug/L	0.033	11/17/20 17:21	
EPA 8270 by HVI	2-Methylnaphthalene	0.015J	ug/L	0.027	11/17/20 17:21	
EPA 8260	Benzene	0.90J	ug/L	1.0	11/17/20 17:19	
EPA 8260	Methyl-tert-butyl ether	10.7	ug/L	4.2	11/17/20 17:19	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Sample: MW-1 **Lab ID: 40218444001** Collected: 11/13/20 12:15 Received: 11/14/20 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.0063	ug/L	0.031	0.0063	1	11/17/20 08:11	11/17/20 17:03	83-32-9	
Acenaphthylene	<0.0051	ug/L	0.026	0.0051	1	11/17/20 08:11	11/17/20 17:03	208-96-8	
Anthracene	<0.011	ug/L	0.054	0.011	1	11/17/20 08:11	11/17/20 17:03	120-12-7	
Benzo(a)anthracene	<0.0078	ug/L	0.039	0.0078	1	11/17/20 08:11	11/17/20 17:03	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.054	0.011	1	11/17/20 08:11	11/17/20 17:03	50-32-8	
Benzo(b)fluoranthene	<0.0059	ug/L	0.030	0.0059	1	11/17/20 08:11	11/17/20 17:03	205-99-2	
Benzo(g,h,i)perylene	<0.0070	ug/L	0.035	0.0070	1	11/17/20 08:11	11/17/20 17:03	191-24-2	
Benzo(k)fluoranthene	<0.0078	ug/L	0.039	0.0078	1	11/17/20 08:11	11/17/20 17:03	207-08-9	
Chrysene	<0.013	ug/L	0.067	0.013	1	11/17/20 08:11	11/17/20 17:03	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.052	0.010	1	11/17/20 08:11	11/17/20 17:03	53-70-3	
Fluoranthene	<0.011	ug/L	0.055	0.011	1	11/17/20 08:11	11/17/20 17:03	206-44-0	
Fluorene	<0.0082	ug/L	0.041	0.0082	1	11/17/20 08:11	11/17/20 17:03	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.091	0.018	1	11/17/20 08:11	11/17/20 17:03	193-39-5	
1-Methylnaphthalene	<0.0061	ug/L	0.030	0.0061	1	11/17/20 08:11	11/17/20 17:03	90-12-0	
2-Methylnaphthalene	<0.0051	ug/L	0.025	0.0051	1	11/17/20 08:11	11/17/20 17:03	91-57-6	
Naphthalene	<0.019	ug/L	0.094	0.019	1	11/17/20 08:11	11/17/20 17:03	91-20-3	
Phenanthrene	<0.014	ug/L	0.071	0.014	1	11/17/20 08:11	11/17/20 17:03	85-01-8	
Pyrene	<0.0079	ug/L	0.039	0.0079	1	11/17/20 08:11	11/17/20 17:03	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	39-120		1	11/17/20 08:11	11/17/20 17:03	321-60-8	
Terphenyl-d14 (S)	62	%	10-159		1	11/17/20 08:11	11/17/20 17:03	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/17/20 10:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/17/20 10:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/17/20 10:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/17/20 10:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/17/20 10:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/17/20 10:58	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 10:58	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/17/20 10:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/17/20 10:58	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/17/20 10:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 10:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/17/20 10:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/17/20 10:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/17/20 10:58	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/17/20 10:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/17/20 10:58	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/17/20 10:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/17/20 10:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/17/20 10:58	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/17/20 10:58	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 10:58	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Sample: MW-1 **Lab ID: 40218444001** Collected: 11/13/20 12:15 Received: 11/14/20 08:25 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		11/17/20 10:58	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/17/20 10:58	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/17/20 10:58	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 10:58	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 10:58	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/17/20 10:58	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/17/20 10:58	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/17/20 10:58	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/17/20 10:58	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/17/20 10:58	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/17/20 10:58	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/17/20 10:58	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/17/20 10:58	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/17/20 10:58	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/17/20 10:58	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/17/20 10:58	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/17/20 10:58	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/17/20 10:58	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/17/20 10:58	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/17/20 10:58	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/17/20 10:58	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/17/20 10:58	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/17/20 10:58	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/17/20 10:58	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 10:58	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 10:58	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/17/20 10:58	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/17/20 10:58	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/17/20 10:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/17/20 10:58	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/17/20 10:58	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/17/20 10:58	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/17/20 10:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/17/20 10:58	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/17/20 10:58	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/17/20 10:58	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/17/20 10:58	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/17/20 10:58	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/17/20 10:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		11/17/20 10:58	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		11/17/20 10:58	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/17/20 10:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Sample: MW-2 **Lab ID: 40218444002** Collected: 11/13/20 12:45 Received: 11/14/20 08:25 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	0.034	0.0067	1	11/17/20 08:11	11/17/20 17:21	83-32-9	
Acenaphthylene	<0.0055	ug/L	0.028	0.0055	1	11/17/20 08:11	11/17/20 17:21	208-96-8	
Anthracene	<0.012	ug/L	0.058	0.012	1	11/17/20 08:11	11/17/20 17:21	120-12-7	
Benzo(a)anthracene	<0.0084	ug/L	0.042	0.0084	1	11/17/20 08:11	11/17/20 17:21	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.058	0.012	1	11/17/20 08:11	11/17/20 17:21	50-32-8	
Benzo(b)fluoranthene	<0.0064	ug/L	0.032	0.0064	1	11/17/20 08:11	11/17/20 17:21	205-99-2	
Benzo(g,h,i)perylene	<0.0075	ug/L	0.038	0.0075	1	11/17/20 08:11	11/17/20 17:21	191-24-2	
Benzo(k)fluoranthene	<0.0084	ug/L	0.042	0.0084	1	11/17/20 08:11	11/17/20 17:21	207-08-9	
Chrysene	<0.014	ug/L	0.072	0.014	1	11/17/20 08:11	11/17/20 17:21	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.056	0.011	1	11/17/20 08:11	11/17/20 17:21	53-70-3	
Fluoranthene	<0.012	ug/L	0.059	0.012	1	11/17/20 08:11	11/17/20 17:21	206-44-0	
Fluorene	<0.0089	ug/L	0.044	0.0089	1	11/17/20 08:11	11/17/20 17:21	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.020	ug/L	0.098	0.020	1	11/17/20 08:11	11/17/20 17:21	193-39-5	
1-Methylnaphthalene	0.016J	ug/L	0.033	0.0066	1	11/17/20 08:11	11/17/20 17:21	90-12-0	
2-Methylnaphthalene	0.015J	ug/L	0.027	0.0054	1	11/17/20 08:11	11/17/20 17:21	91-57-6	
Naphthalene	<0.020	ug/L	0.10	0.020	1	11/17/20 08:11	11/17/20 17:21	91-20-3	
Phenanthrene	<0.015	ug/L	0.077	0.015	1	11/17/20 08:11	11/17/20 17:21	85-01-8	
Pyrene	<0.0085	ug/L	0.043	0.0085	1	11/17/20 08:11	11/17/20 17:21	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	39-120		1	11/17/20 08:11	11/17/20 17:21	321-60-8	
Terphenyl-d14 (S)	59	%	10-159		1	11/17/20 08:11	11/17/20 17:21	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.90J	ug/L	1.0	0.25	1		11/17/20 17:19	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/17/20 17:19	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/17/20 17:19	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/17/20 17:19	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/17/20 17:19	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/17/20 17:19	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 17:19	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/17/20 17:19	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/17/20 17:19	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/17/20 17:19	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 17:19	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/17/20 17:19	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/17/20 17:19	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/17/20 17:19	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/17/20 17:19	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/17/20 17:19	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/17/20 17:19	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/17/20 17:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/17/20 17:19	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/17/20 17:19	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 17:19	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Sample: MW-2 **Lab ID: 40218444002** Collected: 11/13/20 12:45 Received: 11/14/20 08:25 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		11/17/20 17:19	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/17/20 17:19	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/17/20 17:19	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 17:19	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 17:19	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/17/20 17:19	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/17/20 17:19	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/17/20 17:19	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/17/20 17:19	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/17/20 17:19	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/17/20 17:19	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/17/20 17:19	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/17/20 17:19	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/17/20 17:19	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/17/20 17:19	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/17/20 17:19	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/17/20 17:19	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/17/20 17:19	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/17/20 17:19	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/17/20 17:19	75-09-2	
Methyl-tert-butyl ether	10.7	ug/L	4.2	1.2	1		11/17/20 17:19	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/17/20 17:19	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/17/20 17:19	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/17/20 17:19	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 17:19	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 17:19	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/17/20 17:19	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/17/20 17:19	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/17/20 17:19	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/17/20 17:19	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/17/20 17:19	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/17/20 17:19	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/17/20 17:19	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/17/20 17:19	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/17/20 17:19	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/17/20 17:19	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/17/20 17:19	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/17/20 17:19	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/17/20 17:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/17/20 17:19	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/17/20 17:19	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/17/20 17:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Sample: MW-3 **Lab ID: 40218444003** Collected: 11/13/20 11:20 Received: 11/14/20 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.0064	ug/L	0.032	0.0064	1	11/17/20 08:11	11/17/20 17:40	83-32-9	
Acenaphthylene	<0.0052	ug/L	0.026	0.0052	1	11/17/20 08:11	11/17/20 17:40	208-96-8	
Anthracene	<0.011	ug/L	0.055	0.011	1	11/17/20 08:11	11/17/20 17:40	120-12-7	
Benzo(a)anthracene	<0.0079	ug/L	0.040	0.0079	1	11/17/20 08:11	11/17/20 17:40	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.055	0.011	1	11/17/20 08:11	11/17/20 17:40	50-32-8	
Benzo(b)fluoranthene	<0.0060	ug/L	0.030	0.0060	1	11/17/20 08:11	11/17/20 17:40	205-99-2	
Benzo(g,h,i)perylene	<0.0071	ug/L	0.036	0.0071	1	11/17/20 08:11	11/17/20 17:40	191-24-2	
Benzo(k)fluoranthene	<0.0079	ug/L	0.040	0.0079	1	11/17/20 08:11	11/17/20 17:40	207-08-9	
Chrysene	<0.014	ug/L	0.069	0.014	1	11/17/20 08:11	11/17/20 17:40	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.053	0.011	1	11/17/20 08:11	11/17/20 17:40	53-70-3	
Fluoranthene	<0.011	ug/L	0.056	0.011	1	11/17/20 08:11	11/17/20 17:40	206-44-0	
Fluorene	<0.0084	ug/L	0.042	0.0084	1	11/17/20 08:11	11/17/20 17:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.093	0.019	1	11/17/20 08:11	11/17/20 17:40	193-39-5	
1-Methylnaphthalene	<0.0062	ug/L	0.031	0.0062	1	11/17/20 08:11	11/17/20 17:40	90-12-0	
2-Methylnaphthalene	<0.0052	ug/L	0.026	0.0052	1	11/17/20 08:11	11/17/20 17:40	91-57-6	
Naphthalene	<0.019	ug/L	0.096	0.019	1	11/17/20 08:11	11/17/20 17:40	91-20-3	
Phenanthrene	<0.015	ug/L	0.073	0.015	1	11/17/20 08:11	11/17/20 17:40	85-01-8	
Pyrene	<0.0081	ug/L	0.040	0.0081	1	11/17/20 08:11	11/17/20 17:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	40	%	39-120		1	11/17/20 08:11	11/17/20 17:40	321-60-8	
Terphenyl-d14 (S)	40	%	10-159		1	11/17/20 08:11	11/17/20 17:40	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/17/20 11:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/17/20 11:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/17/20 11:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/17/20 11:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/17/20 11:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/17/20 11:21	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 11:21	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/17/20 11:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/17/20 11:21	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/17/20 11:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 11:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/17/20 11:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/17/20 11:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/17/20 11:21	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/17/20 11:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/17/20 11:21	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/17/20 11:21	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/17/20 11:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/17/20 11:21	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/17/20 11:21	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 11:21	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Sample: MW-3 **Lab ID: 40218444003** Collected: 11/13/20 11:20 Received: 11/14/20 08:25 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		11/17/20 11:21	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/17/20 11:21	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/17/20 11:21	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 11:21	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 11:21	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/17/20 11:21	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/17/20 11:21	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/17/20 11:21	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/17/20 11:21	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/17/20 11:21	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/17/20 11:21	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/17/20 11:21	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/17/20 11:21	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/17/20 11:21	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/17/20 11:21	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/17/20 11:21	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/17/20 11:21	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/17/20 11:21	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/17/20 11:21	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/17/20 11:21	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/17/20 11:21	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/17/20 11:21	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/17/20 11:21	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/17/20 11:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 11:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 11:21	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/17/20 11:21	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/17/20 11:21	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/17/20 11:21	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/17/20 11:21	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/17/20 11:21	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/17/20 11:21	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/17/20 11:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/17/20 11:21	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/17/20 11:21	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/17/20 11:21	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/17/20 11:21	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/17/20 11:21	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/17/20 11:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/17/20 11:21	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/17/20 11:21	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/17/20 11:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Sample: MW-4 **Lab ID: 40218444004** Collected: 11/13/20 11:45 Received: 11/14/20 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.0063	ug/L	0.031	0.0063	1	11/17/20 08:11	11/17/20 17:58	83-32-9	
Acenaphthylene	<0.0051	ug/L	0.026	0.0051	1	11/17/20 08:11	11/17/20 17:58	208-96-8	
Anthracene	<0.011	ug/L	0.054	0.011	1	11/17/20 08:11	11/17/20 17:58	120-12-7	
Benzo(a)anthracene	<0.0078	ug/L	0.039	0.0078	1	11/17/20 08:11	11/17/20 17:58	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.054	0.011	1	11/17/20 08:11	11/17/20 17:58	50-32-8	
Benzo(b)fluoranthene	<0.0059	ug/L	0.030	0.0059	1	11/17/20 08:11	11/17/20 17:58	205-99-2	
Benzo(g,h,i)perylene	<0.0070	ug/L	0.035	0.0070	1	11/17/20 08:11	11/17/20 17:58	191-24-2	
Benzo(k)fluoranthene	<0.0078	ug/L	0.039	0.0078	1	11/17/20 08:11	11/17/20 17:58	207-08-9	
Chrysene	<0.013	ug/L	0.067	0.013	1	11/17/20 08:11	11/17/20 17:58	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.052	0.010	1	11/17/20 08:11	11/17/20 17:58	53-70-3	
Fluoranthene	<0.011	ug/L	0.055	0.011	1	11/17/20 08:11	11/17/20 17:58	206-44-0	
Fluorene	<0.0082	ug/L	0.041	0.0082	1	11/17/20 08:11	11/17/20 17:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.091	0.018	1	11/17/20 08:11	11/17/20 17:58	193-39-5	
1-Methylnaphthalene	<0.0061	ug/L	0.030	0.0061	1	11/17/20 08:11	11/17/20 17:58	90-12-0	
2-Methylnaphthalene	<0.0051	ug/L	0.025	0.0051	1	11/17/20 08:11	11/17/20 17:58	91-57-6	
Naphthalene	<0.019	ug/L	0.094	0.019	1	11/17/20 08:11	11/17/20 17:58	91-20-3	
Phenanthrene	<0.014	ug/L	0.071	0.014	1	11/17/20 08:11	11/17/20 17:58	85-01-8	
Pyrene	<0.0079	ug/L	0.039	0.0079	1	11/17/20 08:11	11/17/20 17:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	39-120		1	11/17/20 08:11	11/17/20 17:58	321-60-8	
Terphenyl-d14 (S)	63	%	10-159		1	11/17/20 08:11	11/17/20 17:58	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/17/20 11:43	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/17/20 11:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/17/20 11:43	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/17/20 11:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/17/20 11:43	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/17/20 11:43	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 11:43	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/17/20 11:43	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/17/20 11:43	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/17/20 11:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 11:43	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/17/20 11:43	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/17/20 11:43	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/17/20 11:43	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/17/20 11:43	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/17/20 11:43	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/17/20 11:43	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/17/20 11:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/17/20 11:43	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/17/20 11:43	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 11:43	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Sample: MW-4 **Lab ID: 40218444004** Collected: 11/13/20 11:45 Received: 11/14/20 08:25 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		11/17/20 11:43	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/17/20 11:43	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/17/20 11:43	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 11:43	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 11:43	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/17/20 11:43	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/17/20 11:43	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/17/20 11:43	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/17/20 11:43	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/17/20 11:43	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/17/20 11:43	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/17/20 11:43	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/17/20 11:43	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/17/20 11:43	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/17/20 11:43	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/17/20 11:43	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/17/20 11:43	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/17/20 11:43	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/17/20 11:43	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/17/20 11:43	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/17/20 11:43	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/17/20 11:43	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/17/20 11:43	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/17/20 11:43	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 11:43	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 11:43	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/17/20 11:43	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/17/20 11:43	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/17/20 11:43	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/17/20 11:43	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/17/20 11:43	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/17/20 11:43	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/17/20 11:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/17/20 11:43	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/17/20 11:43	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/17/20 11:43	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/17/20 11:43	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/17/20 11:43	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/17/20 11:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/17/20 11:43	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/17/20 11:43	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/17/20 11:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Sample: MW-4D **Lab ID: 40218444005** Collected: 11/13/20 11:45 Received: 11/14/20 08:25 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	11/17/20 08:11	11/17/20 18:17	83-32-9	
Acenaphthylene	<0.0054	ug/L	0.027	0.0054	1	11/17/20 08:11	11/17/20 18:17	208-96-8	
Anthracene	<0.011	ug/L	0.057	0.011	1	11/17/20 08:11	11/17/20 18:17	120-12-7	
Benzo(a)anthracene	<0.0082	ug/L	0.041	0.0082	1	11/17/20 08:11	11/17/20 18:17	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.057	0.011	1	11/17/20 08:11	11/17/20 18:17	50-32-8	
Benzo(b)fluoranthene	<0.0062	ug/L	0.031	0.0062	1	11/17/20 08:11	11/17/20 18:17	205-99-2	
Benzo(g,h,i)perylene	<0.0074	ug/L	0.037	0.0074	1	11/17/20 08:11	11/17/20 18:17	191-24-2	
Benzo(k)fluoranthene	<0.0082	ug/L	0.041	0.0082	1	11/17/20 08:11	11/17/20 18:17	207-08-9	
Chrysene	<0.014	ug/L	0.071	0.014	1	11/17/20 08:11	11/17/20 18:17	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.054	0.011	1	11/17/20 08:11	11/17/20 18:17	53-70-3	
Fluoranthene	<0.012	ug/L	0.058	0.012	1	11/17/20 08:11	11/17/20 18:17	206-44-0	
Fluorene	<0.0087	ug/L	0.043	0.0087	1	11/17/20 08:11	11/17/20 18:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.096	0.019	1	11/17/20 08:11	11/17/20 18:17	193-39-5	
1-Methylnaphthalene	<0.0064	ug/L	0.032	0.0064	1	11/17/20 08:11	11/17/20 18:17	90-12-0	
2-Methylnaphthalene	<0.0053	ug/L	0.027	0.0053	1	11/17/20 08:11	11/17/20 18:17	91-57-6	
Naphthalene	<0.020	ug/L	0.10	0.020	1	11/17/20 08:11	11/17/20 18:17	91-20-3	
Phenanthrene	<0.015	ug/L	0.075	0.015	1	11/17/20 08:11	11/17/20 18:17	85-01-8	
Pyrene	<0.0083	ug/L	0.042	0.0083	1	11/17/20 08:11	11/17/20 18:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	39-120		1	11/17/20 08:11	11/17/20 18:17	321-60-8	
Terphenyl-d14 (S)	83	%	10-159		1	11/17/20 08:11	11/17/20 18:17	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/17/20 12:05	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/17/20 12:05	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/17/20 12:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/17/20 12:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/17/20 12:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/17/20 12:05	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 12:05	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/17/20 12:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/17/20 12:05	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/17/20 12:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 12:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/17/20 12:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/17/20 12:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/17/20 12:05	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/17/20 12:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/17/20 12:05	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/17/20 12:05	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/17/20 12:05	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/17/20 12:05	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/17/20 12:05	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 12:05	95-50-1	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Sample: MW-4D **Lab ID: 40218444005** Collected: 11/13/20 11:45 Received: 11/14/20 08:25 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		11/17/20 12:05	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/17/20 12:05	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/17/20 12:05	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 12:05	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 12:05	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/17/20 12:05	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/17/20 12:05	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/17/20 12:05	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/17/20 12:05	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/17/20 12:05	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/17/20 12:05	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/17/20 12:05	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/17/20 12:05	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/17/20 12:05	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/17/20 12:05	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/17/20 12:05	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/17/20 12:05	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/17/20 12:05	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/17/20 12:05	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/17/20 12:05	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/17/20 12:05	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/17/20 12:05	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/17/20 12:05	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/17/20 12:05	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 12:05	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 12:05	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/17/20 12:05	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/17/20 12:05	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/17/20 12:05	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/17/20 12:05	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/17/20 12:05	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/17/20 12:05	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/17/20 12:05	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/17/20 12:05	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/17/20 12:05	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/17/20 12:05	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/17/20 12:05	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/17/20 12:05	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/17/20 12:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		11/17/20 12:05	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/17/20 12:05	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/17/20 12:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Sample: TB-1 **Lab ID: 40218444006** Collected: 11/13/20 11:10 Received: 11/14/20 08:25 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		11/17/20 09:06	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/17/20 09:06	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/17/20 09:06	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/17/20 09:06	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/17/20 09:06	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/17/20 09:06	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 09:06	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/17/20 09:06	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/17/20 09:06	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/17/20 09:06	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 09:06	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/17/20 09:06	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/17/20 09:06	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/17/20 09:06	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/17/20 09:06	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/17/20 09:06	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/17/20 09:06	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/17/20 09:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/17/20 09:06	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/17/20 09:06	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/17/20 09:06	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/17/20 09:06	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/17/20 09:06	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/17/20 09:06	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/17/20 09:06	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 09:06	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/17/20 09:06	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/17/20 09:06	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/17/20 09:06	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/17/20 09:06	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/17/20 09:06	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/17/20 09:06	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/17/20 09:06	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/17/20 09:06	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/17/20 09:06	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/17/20 09:06	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/17/20 09:06	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/17/20 09:06	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/17/20 09:06	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/17/20 09:06	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/17/20 09:06	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/17/20 09:06	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/17/20 09:06	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/17/20 09:06	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/17/20 09:06	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Sample: TB-1 **Lab ID: 40218444006** Collected: 11/13/20 11:10 Received: 11/14/20 08:25 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		11/17/20 09:06	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/17/20 09:06	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/17/20 09:06	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/17/20 09:06	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/17/20 09:06	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/17/20 09:06	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/17/20 09:06	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/17/20 09:06	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/17/20 09:06	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/17/20 09:06	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/17/20 09:06	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/17/20 09:06	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/17/20 09:06	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/17/20 09:06	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/17/20 09:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		11/17/20 09:06	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/17/20 09:06	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		11/17/20 09:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

QC Batch: 371390 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40218444001, 40218444002, 40218444003, 40218444004, 40218444005, 40218444006

METHOD BLANK: 2147995 Matrix: Water
Associated Lab Samples: 40218444001, 40218444002, 40218444003, 40218444004, 40218444005, 40218444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/17/20 07:05	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/17/20 07:05	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/17/20 07:05	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/17/20 07:05	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/17/20 07:05	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/17/20 07:05	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/17/20 07:05	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	11/17/20 07:05	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/17/20 07:05	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/17/20 07:05	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/17/20 07:05	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/17/20 07:05	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/17/20 07:05	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/17/20 07:05	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/17/20 07:05	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/17/20 07:05	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/17/20 07:05	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/17/20 07:05	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/17/20 07:05	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/17/20 07:05	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/17/20 07:05	
2-Chlorotoluene	ug/L	<0.93	5.0	11/17/20 07:05	
4-Chlorotoluene	ug/L	<0.76	2.5	11/17/20 07:05	
Benzene	ug/L	<0.25	1.0	11/17/20 07:05	
Bromobenzene	ug/L	<0.24	1.0	11/17/20 07:05	
Bromochloromethane	ug/L	<0.36	5.0	11/17/20 07:05	
Bromodichloromethane	ug/L	<0.36	1.2	11/17/20 07:05	
Bromoform	ug/L	<4.0	13.2	11/17/20 07:05	
Bromomethane	ug/L	<0.97	5.0	11/17/20 07:05	
Carbon tetrachloride	ug/L	<1.1	3.6	11/17/20 07:05	
Chlorobenzene	ug/L	<0.71	2.4	11/17/20 07:05	
Chloroethane	ug/L	<1.3	5.0	11/17/20 07:05	
Chloroform	ug/L	<1.3	5.0	11/17/20 07:05	
Chloromethane	ug/L	<2.2	7.3	11/17/20 07:05	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/17/20 07:05	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/17/20 07:05	
Dibromochloromethane	ug/L	<2.6	8.7	11/17/20 07:05	
Dibromomethane	ug/L	<0.94	3.1	11/17/20 07:05	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/17/20 07:05	
Diisopropyl ether	ug/L	<1.9	6.3	11/17/20 07:05	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

METHOD BLANK: 2147995 Matrix: Water
Associated Lab Samples: 40218444001, 40218444002, 40218444003, 40218444004, 40218444005, 40218444006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	11/17/20 07:05	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	11/17/20 07:05	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	11/17/20 07:05	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/17/20 07:05	
Methylene Chloride	ug/L	<0.58	5.0	11/17/20 07:05	
n-Butylbenzene	ug/L	<0.71	2.4	11/17/20 07:05	
n-Propylbenzene	ug/L	<0.81	5.0	11/17/20 07:05	
Naphthalene	ug/L	<1.2	5.0	11/17/20 07:05	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/17/20 07:05	
sec-Butylbenzene	ug/L	<0.85	5.0	11/17/20 07:05	
Styrene	ug/L	<3.0	10.0	11/17/20 07:05	
tert-Butylbenzene	ug/L	<0.30	1.0	11/17/20 07:05	
Tetrachloroethene	ug/L	<0.33	1.1	11/17/20 07:05	
Toluene	ug/L	<0.27	1.0	11/17/20 07:05	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	11/17/20 07:05	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/17/20 07:05	
Trichloroethene	ug/L	<0.26	1.0	11/17/20 07:05	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/17/20 07:05	
Vinyl chloride	ug/L	<0.17	1.0	11/17/20 07:05	
Xylene (Total)	ug/L	<1.5	3.0	11/17/20 07:05	
4-Bromofluorobenzene (S)	%	94	70-130	11/17/20 07:05	
Dibromofluoromethane (S)	%	96	70-130	11/17/20 07:05	
Toluene-d8 (S)	%	98	70-130	11/17/20 07:05	

LABORATORY CONTROL SAMPLE: 2147996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.8	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	40.8	82	64-131	
1,1,2-Trichloroethane	ug/L	50	46.4	93	70-130	
1,1-Dichloroethane	ug/L	50	62.6	125	69-163	
1,1-Dichloroethene	ug/L	50	46.7	93	77-123	
1,2,4-Trichlorobenzene	ug/L	50	47.0	94	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.6	79	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.7	97	70-130	
1,2-Dichlorobenzene	ug/L	50	49.4	99	70-130	
1,2-Dichloroethane	ug/L	50	50.8	102	78-142	
1,2-Dichloropropane	ug/L	50	51.5	103	86-134	
1,3-Dichlorobenzene	ug/L	50	49.9	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
Benzene	ug/L	50	41.1	82	70-130	
Bromodichloromethane	ug/L	50	54.3	109	70-130	
Bromoform	ug/L	50	58.2	116	70-130	
Bromomethane	ug/L	50	25.4	51	39-129	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

LABORATORY CONTROL SAMPLE: 2147996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	58.4	117	70-132	
Chlorobenzene	ug/L	50	52.4	105	70-130	
Chloroethane	ug/L	50	37.6	75	66-140	
Chloroform	ug/L	50	47.3	95	75-132	
Chloromethane	ug/L	50	36.9	74	32-143	
cis-1,2-Dichloroethene	ug/L	50	43.9	88	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.2	88	70-130	
Dibromochloromethane	ug/L	50	57.2	114	70-130	
Dichlorodifluoromethane	ug/L	50	30.3	61	10-141	
Ethylbenzene	ug/L	50	53.1	106	80-120	
Isopropylbenzene (Cumene)	ug/L	50	55.7	111	70-130	
Methyl-tert-butyl ether	ug/L	50	36.9	74	61-129	
Methylene Chloride	ug/L	50	43.2	86	70-130	
Styrene	ug/L	50	53.0	106	70-130	
Tetrachloroethene	ug/L	50	60.2	120	70-130	
Toluene	ug/L	50	50.7	101	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.5	97	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.8	86	69-130	
Trichloroethene	ug/L	50	55.2	110	70-130	
Trichlorofluoromethane	ug/L	50	52.8	106	75-145	
Vinyl chloride	ug/L	50	39.7	79	51-140	
Xylene (Total)	ug/L	150	160	106	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2148401 2148402

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40218382022	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	54.0	55.1	108	110	70-130	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	41.4	43.8	83	88	64-137	5	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	45.2	46.5	90	93	70-137	3	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	46.8	66.4	94	133	69-163	35	20	R1	
1,1-Dichloroethene	ug/L	<0.24	50	50	48.4	49.8	97	100	77-129	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.9	49.1	96	98	68-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	39.7	43.6	79	87	60-130	9	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.8	50.3	98	101	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.6	49.9	99	100	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.7	49.4	101	99	78-145	3	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	51.6	51.4	103	103	86-135	0	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.3	51.0	101	102	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.8	50.7	102	101	70-130	0	20		
Benzene	ug/L	<0.25	50	50	41.2	41.9	82	84	70-136	2	20		

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2148401		2148402		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40218382022 Result	MS Spike Conc.	MSD Spike Conc.								
Bromodichloromethane	ug/L	<0.36	50	50	53.8	54.1	108	108	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	57.5	60.7	115	121	69-130	5	20	
Bromomethane	ug/L	<0.97	50	50	31.3	33.5	63	67	39-138	7	20	
Carbon tetrachloride	ug/L	<1.1	50	50	58.7	59.5	117	119	70-142	1	20	
Chlorobenzene	ug/L	<0.71	50	50	51.7	52.4	103	105	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	40.6	41.7	81	83	61-149	3	20	
Chloroform	ug/L	<1.3	50	50	46.7	47.1	93	94	75-133	1	20	
Chloromethane	ug/L	<2.2	50	50	44.4	45.3	88	89	32-143	2	20	
cis-1,2-Dichloroethene	ug/L	3.7	50	50	47.7	48.4	88	90	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	44.2	44.8	88	90	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	57.1	58.5	114	117	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	45.1	46.0	90	92	10-141	2	20	
Ethylbenzene	ug/L	<0.32	50	50	53.0	53.0	106	106	80-120	0	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	55.3	55.5	111	111	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	37.7	38.6	75	77	61-136	2	20	
Methylene Chloride	ug/L	<0.58	50	50	42.5	44.2	85	88	68-137	4	20	
Styrene	ug/L	<3.0	50	50	52.0	53.2	104	106	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	59.4	60.0	119	120	70-130	1	20	
Toluene	ug/L	<0.27	50	50	50.0	50.5	100	101	80-120	1	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	50.6	50.2	101	100	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	42.0	43.2	84	86	69-130	3	20	
Trichloroethene	ug/L	11.9	50	50	68.8	68.1	114	112	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	56.2	56.6	112	113	74-157	1	20	
Vinyl chloride	ug/L	<0.17	50	50	45.9	46.3	92	93	51-140	1	20	
Xylene (Total)	ug/L	<1.5	150	150	159	159	106	106	70-130	0	20	
4-Bromofluorobenzene (S)	%						102	102	70-130			
Dibromofluoromethane (S)	%						95	94	70-130			
Toluene-d8 (S)	%						98	98	70-130			

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40218444

QC Batch: 371529 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: 40218444001, 40218444002, 40218444003, 40218444004, 40218444005

METHOD BLANK: 2148447 Matrix: Water
Associated Lab Samples: 40218444001, 40218444002, 40218444003, 40218444004, 40218444005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	11/17/20 15:11	
2-Methylnaphthalene	ug/L	<0.0049	0.024	11/17/20 15:11	
Acenaphthene	ug/L	<0.0061	0.030	11/17/20 15:11	
Acenaphthylene	ug/L	<0.0050	0.025	11/17/20 15:11	
Anthracene	ug/L	<0.010	0.052	11/17/20 15:11	
Benzo(a)anthracene	ug/L	<0.0076	0.038	11/17/20 15:11	
Benzo(a)pyrene	ug/L	<0.011	0.053	11/17/20 15:11	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	11/17/20 15:11	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	11/17/20 15:11	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	11/17/20 15:11	
Chrysene	ug/L	<0.013	0.065	11/17/20 15:11	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	11/17/20 15:11	
Fluoranthene	ug/L	<0.011	0.053	11/17/20 15:11	
Fluorene	ug/L	<0.0080	0.040	11/17/20 15:11	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	11/17/20 15:11	
Naphthalene	ug/L	<0.018	0.092	11/17/20 15:11	
Phenanthrene	ug/L	<0.014	0.069	11/17/20 15:11	
Pyrene	ug/L	<0.0076	0.038	11/17/20 15:11	
2-Fluorobiphenyl (S)	%	64	39-120	11/17/20 15:11	
Terphenyl-d14 (S)	%	105	10-159	11/17/20 15:11	

LABORATORY CONTROL SAMPLE & LCSD: 2148448

2148449

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.2	1.3	59	63	37-120	5	25	
2-Methylnaphthalene	ug/L	2	1.2	1.2	58	62	38-120	6	25	
Acenaphthene	ug/L	2	1.5	1.5	73	74	49-120	1	24	
Acenaphthylene	ug/L	2	1.3	1.3	66	65	43-85	1	26	
Anthracene	ug/L	2	1.7	1.8	87	88	57-110	0	28	
Benzo(a)anthracene	ug/L	2	1.6	1.6	80	80	47-118	1	27	
Benzo(a)pyrene	ug/L	2	1.7	1.7	86	84	70-120	3	20	
Benzo(b)fluoranthene	ug/L	2	1.6	1.5	81	76	54-97	6	21	
Benzo(g,h,i)perylene	ug/L	2	1.2	1.0	60	51	26-74	15	42	
Benzo(k)fluoranthene	ug/L	2	2.1	2.0	103	102	73-126	1	22	
Chrysene	ug/L	2	2.1	2.1	107	104	75-151	3	20	
Dibenz(a,h)anthracene	ug/L	2	1.0	0.89	51	45	13-72	14	50	
Fluoranthene	ug/L	2	1.7	1.7	87	83	63-120	4	20	
Fluorene	ug/L	2	1.5	1.3	75	65	53-120	14	26	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	1.6	82	80	51-101	2	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.: 40218444

LABORATORY CONTROL SAMPLE & LCSD: 2148448		2148449									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Naphthalene	ug/L	2	1.2	1.3	60	66	41-120	9	24		
Phenanthrene	ug/L	2	1.5	1.4	76	71	47-100	6	22		
Pyrene	ug/L	2	1.9	1.9	94	93	70-128	2	20		
2-Fluorobiphenyl (S)	%				71	73	39-120				
Terphenyl-d14 (S)	%				105	108	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.: 40218444

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: 371561

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

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60578411 704 75TH STREET

Pace Project No.: 40218444

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40218444001	MW-1	EPA 3510	371529	EPA 8270 by HVI	371561
40218444002	MW-2	EPA 3510	371529	EPA 8270 by HVI	371561
40218444003	MW-3	EPA 3510	371529	EPA 8270 by HVI	371561
40218444004	MW-4	EPA 3510	371529	EPA 8270 by HVI	371561
40218444005	MW-4D	EPA 3510	371529	EPA 8270 by HVI	371561
40218444001	MW-1	EPA 8260	371390		
40218444002	MW-2	EPA 8260	371390		
40218444003	MW-3	EPA 8260	371390		
40218444004	MW-4	EPA 8260	371390		
40218444005	MW-4D	EPA 8260	371390		
40218444006	TB-1	EPA 8260	371390		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 309
Green Bay, WI 54303

Client Name: ATC

Project # 4018444

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

Initial when completed:

Date/Time:

Page

Lab Lot# of pH paper:

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

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

11/14/20
SRK

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
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: 26Mar2020

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

Author:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: AELoM

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

Tracking #: 1934.111320

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: ROE / Corr: _____

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.

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

WO#: **40218444**



40218444

Person examining contents:

Date: 11/14/20 Initials: SRK

Labeled By Initials: NO

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:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>455</u>		

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

If checked, see attached form for additional comments

Comments/ Resolution: _____

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