

March 9, 2020

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

**Subject: November 2019 Groundwater Sampling Summary
Former Gas Station, 704 75th Street, Kenosha, Wisconsin
BRRTS # 03-30-532981**

Dear Ms. Billingsley,

AECOM conducted the fourth of four groundwater sampling events on November 13, 2019 as part of the quarterly groundwater monitoring plan for 2019 at the former gas station located at 704 75th St in Kenosha, WI (Property). The sampling was conducted as described in Task Order 136-011619 for the City of Kenosha (authorized January 24, 2019). The purpose of this letter is to transmit the results of the November 2019 sampling event.

Site History

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

The Property previously had five underground storage tanks (USTs), one was removed in 2001 and the remaining four were removed in 2014. Following the tank removals, a site investigation was performed and a report dated November 2018 described the results of soil and groundwater sampling. Petroleum impact to soil above residual contaminant levels (RCLs) was observed at the water table (9-10' bgs [below ground surface]) 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 2019 sampling event, all four of the groundwater monitoring wells were sampled. The observation well (TP-OBS) located near the east Property boundary was not sampled during this time. Figure 2 depicts the site layout and monitoring well locations.

Prior to sample collection, depth to groundwater measurements were collected from the monitoring wells. Depth to groundwater measurements and calculated elevations are provided in Table 1. Groundwater samples were then collected from the monitoring wells using a new disposable bailer at each location. Wells were purged dry (3.5 to 4.5 gallons) and allowed to recover prior to sampling. Purge water was disposed in a local sanitary sewer. Field parameters, including pH, conductivity, oxygen reducing potential, dissolved oxygen, and temperature, were measured directly at the time the well was sampled. The field parameter measurements are included in Table 2.

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

Groundwater Results

Contoured groundwater elevations from the November 2019 measurements depict groundwater flow to the east-southeast toward Lake Michigan (Figure 3). The observed flow direction remains consistent with the flow direction determined by AECOM in prior sampling events.

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

Groundwater analytical concentrations detected in the November 2019 sampling event are similar to previously detected groundwater concentrations. NR 140 Preventive Action Limit (PAL) or Enforcement Standard (ES) exceedances were not detected in monitoring wells MW-1, MW-3 or MW-4. Chloromethane exceedance in all wells in August 2018 was not detected in any wells in the following four 2019 sampling events. In November 2019, MW-2 has ES exceedances of 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, and naphthalene and PAL exceedances of ethylbenzene, MTBE, and total xylenes. MW-2 analyte concentrations are similar to detections in February 2019. Concentration trends were also evaluated for the groundwater from MW-2 (Figure 5). The five recorded sampling events have indicated a positive correlation between analyte concentrations (benzene, ethylbenzene and cumene are presented) and groundwater levels.

Conclusions

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

Please contact us if you have questions about this letter.

Yours sincerely,

AECOM Technical Services, Inc.



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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 2019

Figure 4 – Groundwater Analytical Summary Exceedances – November 2019

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

Laboratory Analytical Report

Cc: Lee Delcore, WDNR Project Manager

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	NM	--
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

NOTES:

ft = feet

^A = as measured inside well

-- No Elevation

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

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Milivolts)	Specific Conductivity (mS/cm)	Temperature (° Celcius)	Groundwater Elevation (feet msl)
MW-1	8/9/2018	7.14	7.08	201.10	1.128	20.98	597.18
	2/13/2019	6.19	11.6	30.70	0.692	8.67	597.91
	5/23/2019	6.79	7.22	101.1	0.738	20.49	598.09
	8/14/2019	7.05	5.04	93.6	0.588	17.38	596.76
	11/13/2019	6.89	8.83	129.6	1.023	6.34	597.91
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
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
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

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

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

Field ID	Sample Date	1,2,4-Trimethyl benzene (ug/L)	1,3,5-Trimethyl benzene (ug/L)	Benzene (ug/L)	sec-Butyl benzene (ug/L)	Bromo dichloro methane (ug/L)	Bromo methane (ug/L)	Chloroform (ug/L)	Chloro methane (ug/L)	Ethylbenzene (ug/L)	Isopropyl benzene (Cumene) (ug/L)	p-Isopropyl toluene (ug/L)	Methyl-tert-butyl ether (ug/L)	Naphthalene (ug/L)	n-Propyl benzene (ug/L)	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^J</u>	< 1.3	34.7	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
MW-1	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
MW-1	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
MW-1	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
MW-1	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
MW-2	8/9/2018	8.2	1.5 ^J	<u>3.3</u>	< 0.85	< 0.36	<u>2.4^J</u>	< 1.3	44.6	4.8	2.1 ^J	< 0.80	<u>17.4</u>	3.0 ^J	1.2 ^J	< 0.17	6.4
MW-2	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>
MW-2	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>
MW-2	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
MW-2	11/13/2019	459	46.3	28.8	< 0.85	< 0.36	< 0.97	< 1.3	< 2.2	<u>216</u>	84.6	< 0.80	<u>12.9^J</u>	120	150	< 0.17	<u>799</u>
MW-3	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	< 0.36	<u>2.4^J</u>	< 1.3	39.1	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
MW-3	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
MW-3	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
MW-3	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
MW-3	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
MW-4	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	<u>0.58^J</u>	< 0.97	<u>3.0^J</u>	<u>25.5</u>	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
MW-4	2/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	0.94^J	< 0.97	<u>4.2^J</u>	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
MW-4	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
MW-4	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
MW-4	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
MW-4 DUP	8/9/2018	< 0.84	< 0.87	< 0.25	< 0.85	<u>0.51^J</u>	<u>1.6^J</u>	<u>3.0^J</u>	71.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
MW-4 DUP	2/13/2019	< 0.84	< 0.87	< 0.25	< 0.85	0.86^J	< 0.97	<u>4.1^J</u>	< 2.2	< 0.22	< 0.39	< 0.80	< 1.2	< 1.2	< 0.81	< 0.17	< 1.5
MW-4 DUP	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
MW-4 DUP	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
MW-4 DUP	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
	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

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**.

^a PAL and ES are for 1,2,4- and 1,3,5-trimethylbenzenes combined

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
MW-1	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
MW-1	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
MW-1	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
MW-1	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
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
MW-2	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
MW-2	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
MW-2	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
MW-2	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
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
MW-3	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
MW-3	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
MW-3	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
MW-3	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
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
MW-4	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
MW-4	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
MW-4	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
MW-4	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
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
MW-4 DUP	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
MW-4 DUP	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
MW-4 DUP	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
MW-4 DUP	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
	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.

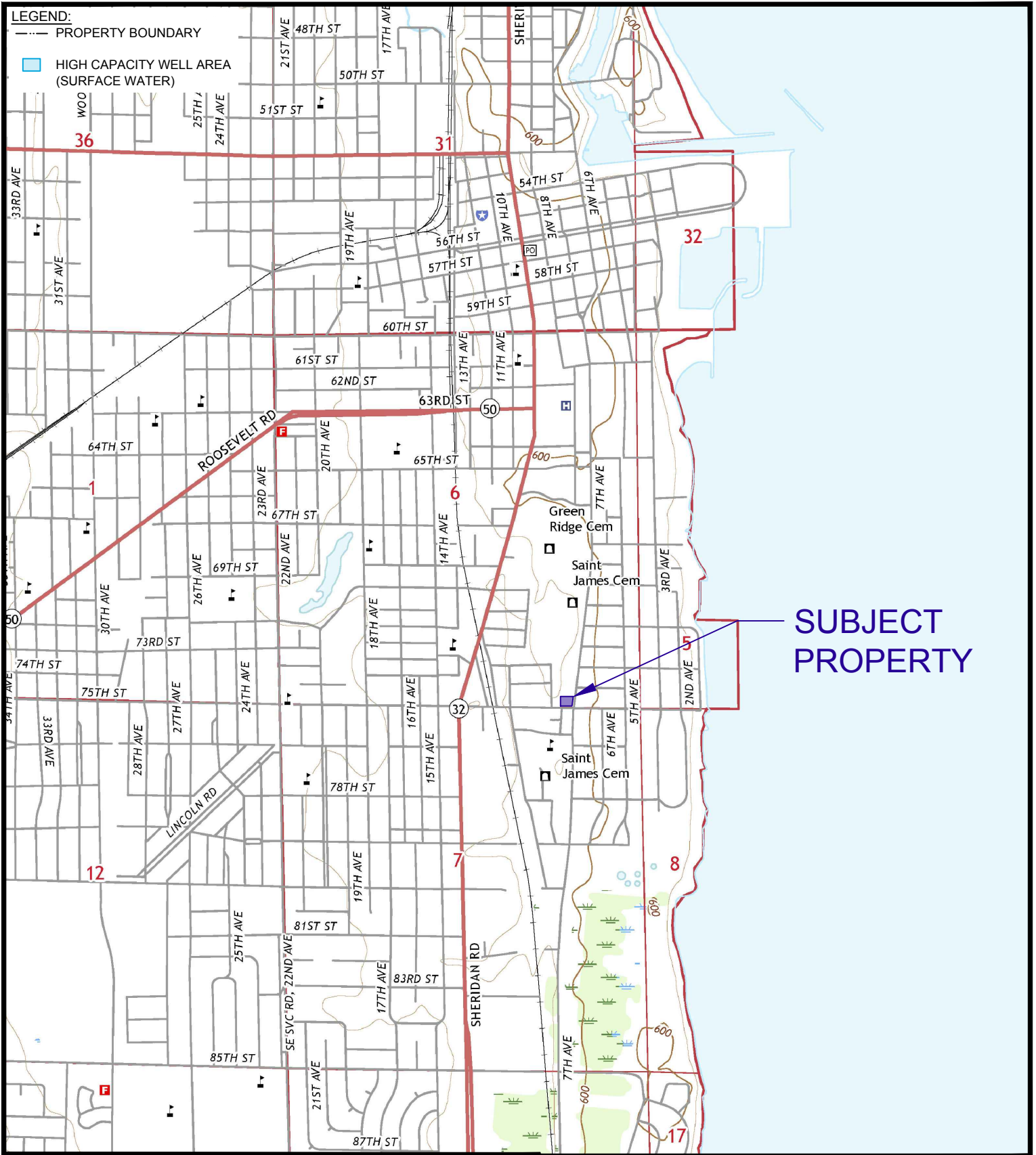
ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are **bold**.

LEGEND:

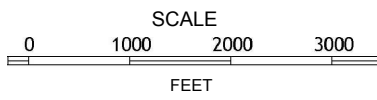
--- PROPERTY BOUNDARY

□ HIGH CAPACITY WELL AREA (SURFACE WATER)

File: \\USJMWK1\F5001\ProdData\Projects\60578411\900_Work\CADD\704_76th St_2019_May - Quarterly Monitoring.dwg; USER: MACKINNEY, JOEL; PLOTTED: June 4, 2019 - 9:13 AM



SUBJECT PROPERTY



QUADRANGLE LOCATION

AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

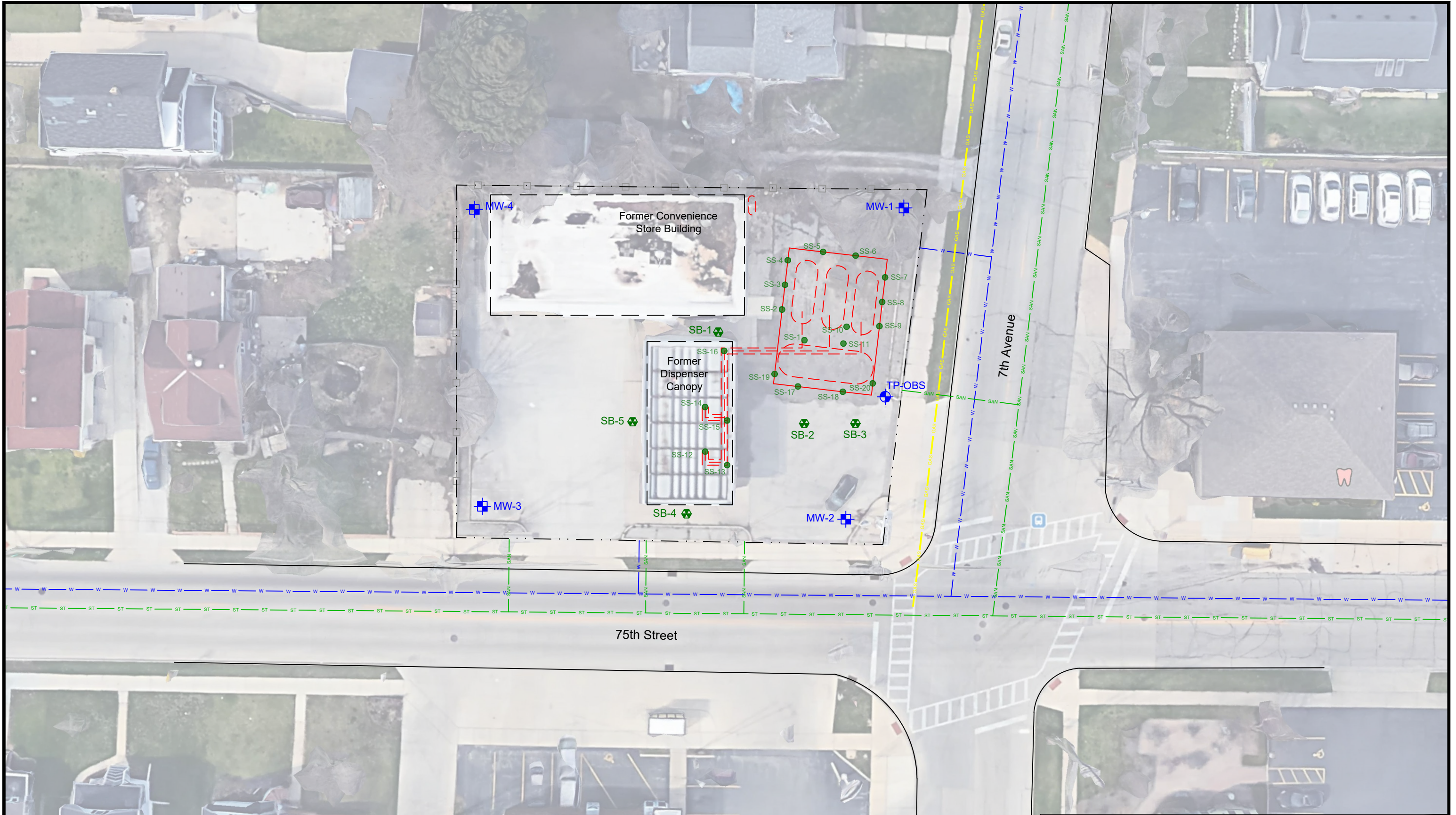


Former Gas Station
704 75th Street
Kenosha, WI 53143

LOCATION MAP

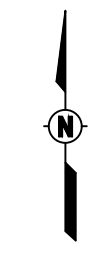
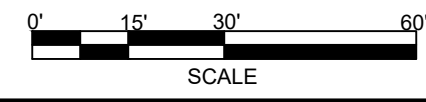
Notes:
1. USGS 7.5 MINUTE TOPOGRAPHIC MAPS: KENOSHA, WI QUADRANGLE (2016)

Project Number: 60578411	Drawn By: SAE/USM	Date: 6/3/2019	Figure No. 1
-----------------------------	----------------------	-------------------	--------------

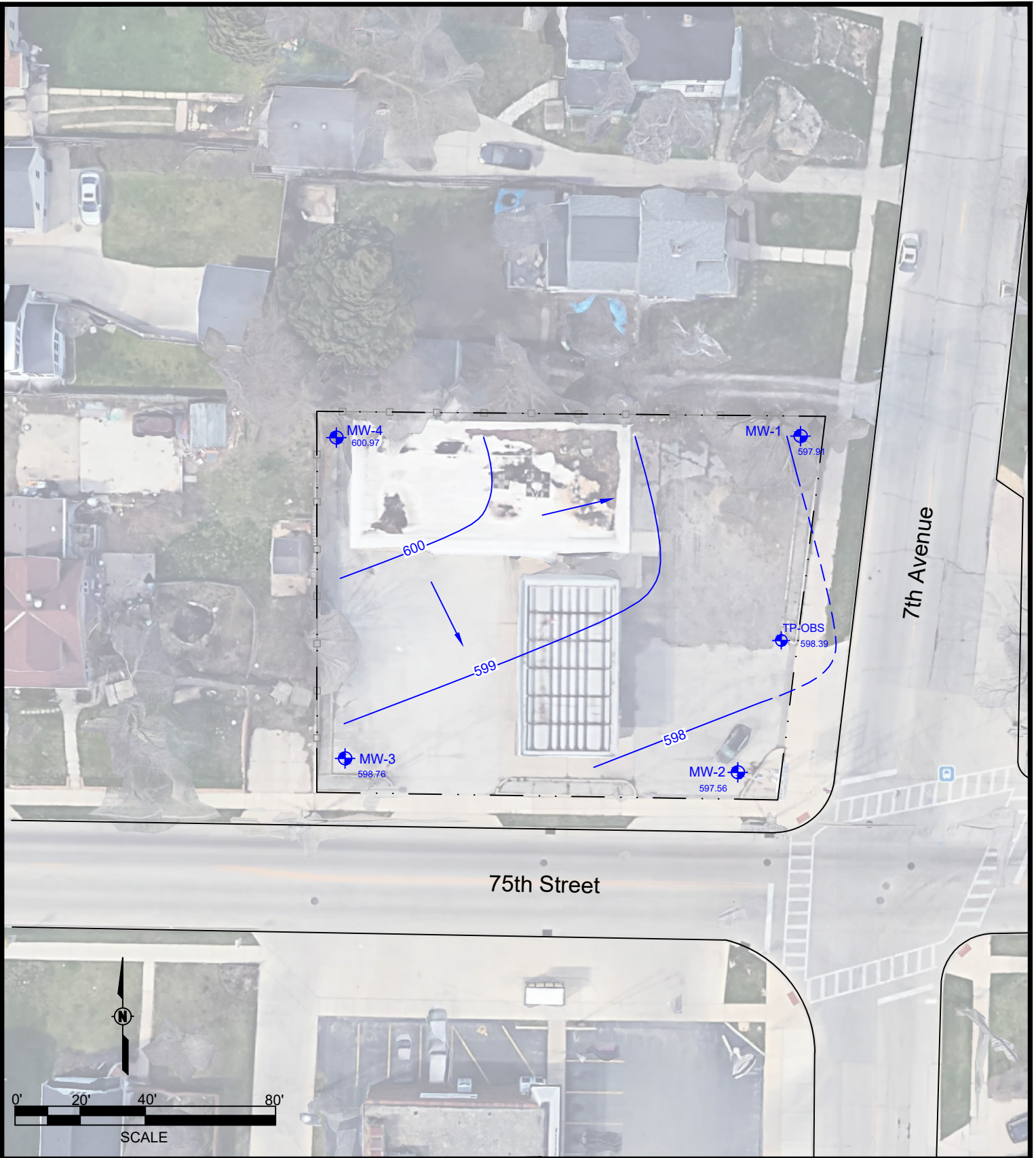


LEGEND:	
	PROPERTY BOUNDARY
	FENCE
	ROADS
	FORMER BUILDING & CANOPY
	FORMER UST
	FORMER UNDERGROUND PIPING
	UTILITY - GAS
	UTILITY - WATER
	UTILITY - SANITARY SEWER
	MONITORING WELL
	OBSERVATION WELL
	TSSA SOIL SAMPLE LOCATION
	SITE INVESTIGATION SOIL BORING

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



AECOM 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: 12/5/2019	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 2019**

Project Number:
 60578411

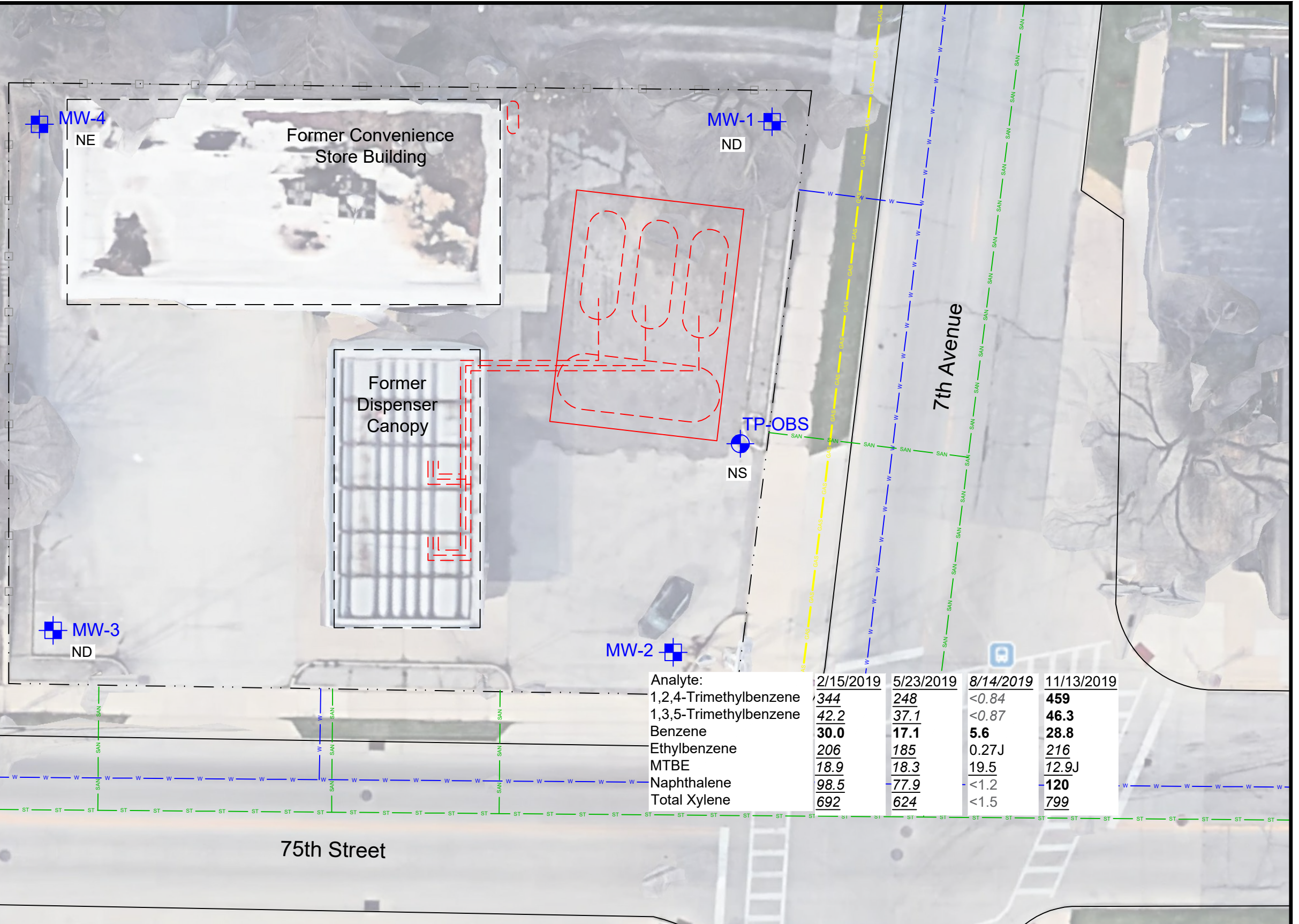
Drawn By:
 JSM

Date:
 12/5/2019

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:	2/15/2019	5/23/2019	8/14/2019	11/13/2019
1,2,4-Trimethylbenzene	<u>344</u>	<u>248</u>	<0.84	459
1,3,5-Trimethylbenzene	<u>42.2</u>	<u>37.1</u>	<0.87	46.3
Benzene	<u>30.0</u>	<u>17.1</u>	5.6	28.8
Ethylbenzene	<u>206</u>	<u>185</u>	0.27J	<u>216</u>
MTBE	<u>18.9</u>	<u>18.3</u>	<u>19.5</u>	<u>12.9J</u>
Naphthalene	<u>98.5</u>	<u>77.9</u>	<1.2	120
Total Xylene	<u>692</u>	<u>624</u>	<1.5	799

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
- NE NO EXCEEDANCES
- ND NO DETECTS
- NS NOT SAMPLED



AECOM
Milwaukee Office
1555 RiverCenter Dr
Milwaukee, WI
414.944.6080

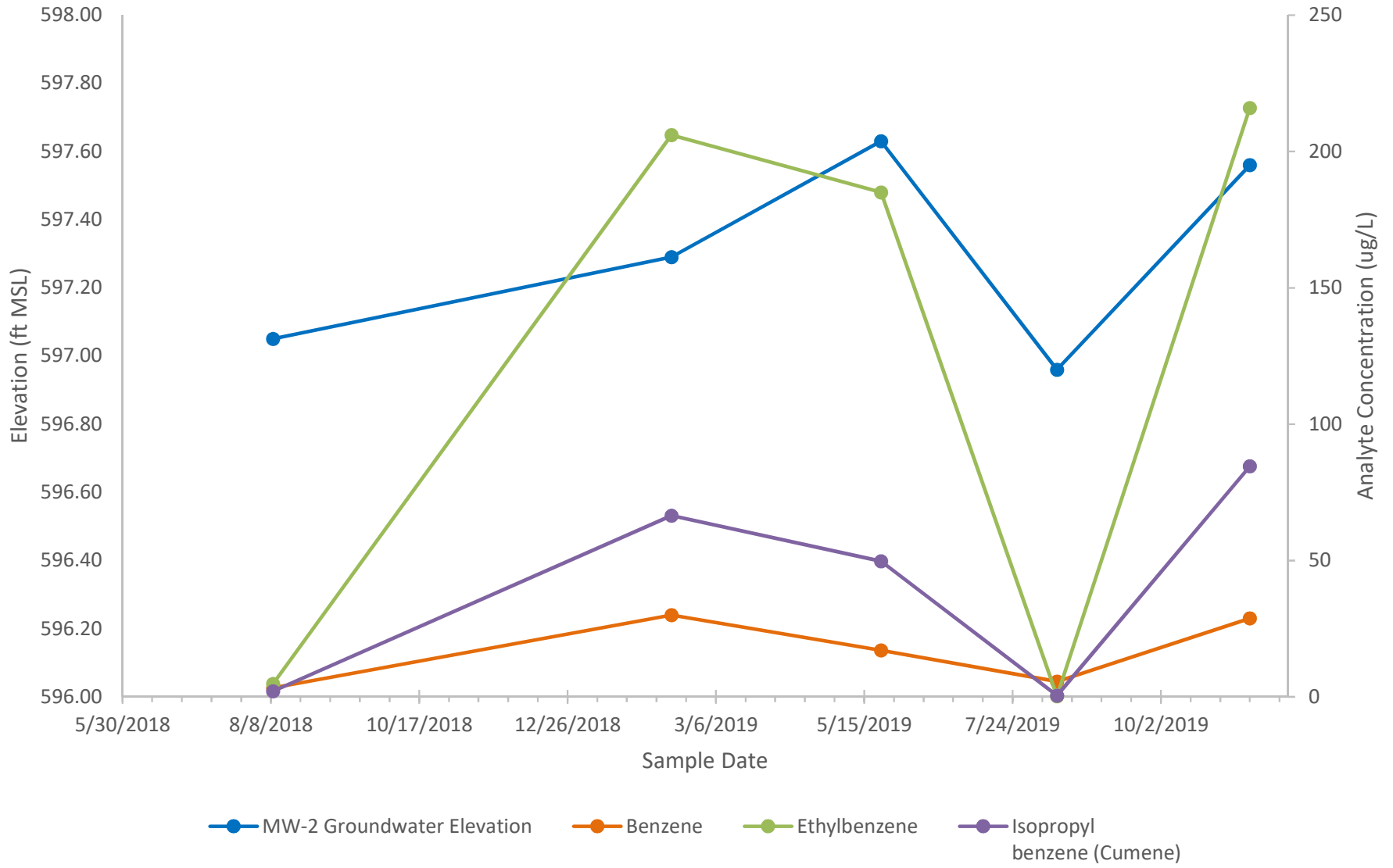


Former Gas Station
704 75th Street
Kenosha, WI 53143

GROUNDWATER QUALITY EXCEEDANCES
NOVEMBER 13, 2019

Project Number: 60578411 Drawn By: JSM Date: 12/5/2019 Figure No. 4

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



November 20, 2019

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

RE: Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on November 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures

cc: Joel Mackinney, AECOM



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40199229001	TRIP BLANK	Water	11/13/19 12:00	11/15/19 08:45
40199229002	MW-3	Water	11/13/19 12:10	11/15/19 08:45
40199229003	MW-4	Water	11/13/19 12:40	11/15/19 08:45
40199229004	MW-4D	Water	11/13/19 12:40	11/15/19 08:45
40199229005	MW-1	Water	11/13/19 13:15	11/15/19 08:45
40199229006	MW-2	Water	11/13/19 13:40	11/15/19 08:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40199229001	TRIP BLANK	EPA 8260	HNW	63	PASI-G
40199229002	MW-3	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40199229003	MW-4	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40199229004	MW-4D	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40199229005	MW-1	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G
40199229006	MW-2	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	63	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40199229003	MW-4					
EPA 8270 by HVI	Benzo(a)anthracene	0.0089J	ug/L	0.039	11/18/19 11:52	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.0082J	ug/L	0.030	11/18/19 11:52	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.010J	ug/L	0.035	11/18/19 11:52	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.0090J	ug/L	0.039	11/18/19 11:52	
EPA 8270 by HVI	Pyrene	0.0081J	ug/L	0.039	11/18/19 11:52	
40199229006	MW-2					
EPA 8270 by HVI	Anthracene	0.079J	ug/L	0.29	11/18/19 16:08	
EPA 8270 by HVI	1-Methylnaphthalene	10.5	ug/L	0.16	11/18/19 16:08	
EPA 8270 by HVI	2-Methylnaphthalene	4.3	ug/L	0.13	11/18/19 16:08	
EPA 8270 by HVI	Naphthalene	62.1	ug/L	0.50	11/18/19 16:08	
EPA 8260	Benzene	28.8	ug/L	10.0	11/20/19 01:34	
EPA 8260	Ethylbenzene	216	ug/L	10.0	11/20/19 01:34	
EPA 8260	Isopropylbenzene (Cumene)	84.6	ug/L	50.0	11/20/19 01:34	
EPA 8260	Methyl-tert-butyl ether	12.9J	ug/L	41.5	11/20/19 01:34	
EPA 8260	Naphthalene	120	ug/L	50.0	11/20/19 01:34	
EPA 8260	n-Propylbenzene	150	ug/L	50.0	11/20/19 01:34	
EPA 8260	1,2,4-Trimethylbenzene	459	ug/L	28.0	11/20/19 01:34	
EPA 8260	1,3,5-Trimethylbenzene	46.3	ug/L	29.1	11/20/19 01:34	
EPA 8260	Xylene (Total)	799	ug/L	30.0	11/20/19 01:34	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: TRIP BLANK **Lab ID: 40199229001** Collected: 11/13/19 12:00 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		11/19/19 20:20	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/19/19 20:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/19/19 20:20	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/19/19 20:20	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/19/19 20:20	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/19/19 20:20	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 20:20	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/19/19 20:20	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/19/19 20:20	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/19/19 20:20	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 20:20	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/19/19 20:20	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/19/19 20:20	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/19/19 20:20	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/19/19 20:20	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/19/19 20:20	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/19/19 20:20	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/19/19 20:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/19/19 20:20	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/19/19 20:20	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 20:20	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/19/19 20:20	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/19/19 20:20	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/19/19 20:20	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 20:20	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 20:20	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/19/19 20:20	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/19/19 20:20	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/19/19 20:20	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/19/19 20:20	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/19/19 20:20	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/19/19 20:20	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/19/19 20:20	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/19/19 20:20	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/19/19 20:20	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/19/19 20:20	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/19/19 20:20	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/19/19 20:20	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/19/19 20:20	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/19/19 20:20	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/19/19 20:20	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/19/19 20:20	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/19/19 20:20	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/19/19 20:20	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		11/19/19 20:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 20:20	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: TRIP BLANK **Lab ID: 40199229001** Collected: 11/13/19 12:00 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 20:20	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/19/19 20:20	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/19/19 20:20	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/19/19 20:20	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/19/19 20:20	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/19/19 20:20	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/19/19 20:20	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/19/19 20:20	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/19/19 20:20	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/19/19 20:20	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/19/19 20:20	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/19/19 20:20	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/19/19 20:20	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/19/19 20:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/19/19 20:20	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/19/19 20:20	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		11/19/19 20:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

Sample: MW-3 **Lab ID: 40199229002** Collected: 11/13/19 12:10 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0057	ug/L	0.029	0.0057	1	11/18/19 08:54	11/18/19 12:47	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	11/18/19 08:54	11/18/19 12:47	208-96-8	
Anthracene	<0.0099	ug/L	0.049	0.0099	1	11/18/19 08:54	11/18/19 12:47	120-12-7	
Benzo(a)anthracene	<0.0071	ug/L	0.036	0.0071	1	11/18/19 08:54	11/18/19 12:47	56-55-3	
Benzo(a)pyrene	<0.0099	ug/L	0.050	0.0099	1	11/18/19 08:54	11/18/19 12:47	50-32-8	
Benzo(b)fluoranthene	<0.0054	ug/L	0.027	0.0054	1	11/18/19 08:54	11/18/19 12:47	205-99-2	
Benzo(g,h,i)perylene	<0.0064	ug/L	0.032	0.0064	1	11/18/19 08:54	11/18/19 12:47	191-24-2	
Benzo(k)fluoranthene	<0.0071	ug/L	0.036	0.0071	1	11/18/19 08:54	11/18/19 12:47	207-08-9	
Chrysene	<0.012	ug/L	0.062	0.012	1	11/18/19 08:54	11/18/19 12:47	218-01-9	
Dibenz(a,h)anthracene	<0.0095	ug/L	0.047	0.0095	1	11/18/19 08:54	11/18/19 12:47	53-70-3	
Fluoranthene	<0.010	ug/L	0.050	0.010	1	11/18/19 08:54	11/18/19 12:47	206-44-0	
Fluorene	<0.0075	ug/L	0.038	0.0075	1	11/18/19 08:54	11/18/19 12:47	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.083	0.017	1	11/18/19 08:54	11/18/19 12:47	193-39-5	
1-Methylnaphthalene	<0.0056	ug/L	0.028	0.0056	1	11/18/19 08:54	11/18/19 12:47	90-12-0	
2-Methylnaphthalene	<0.0046	ug/L	0.023	0.0046	1	11/18/19 08:54	11/18/19 12:47	91-57-6	
Naphthalene	<0.017	ug/L	0.086	0.017	1	11/18/19 08:54	11/18/19 12:47	91-20-3	
Phenanthrene	<0.013	ug/L	0.065	0.013	1	11/18/19 08:54	11/18/19 12:47	85-01-8	
Pyrene	<0.0072	ug/L	0.036	0.0072	1	11/18/19 08:54	11/18/19 12:47	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	30-85		1	11/18/19 08:54	11/18/19 12:47	321-60-8	
Terphenyl-d14 (S)	74	%	10-120		1	11/18/19 08:54	11/18/19 12:47	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		11/19/19 21:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/19/19 21:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/19/19 21:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/19/19 21:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/19/19 21:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/19/19 21:50	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 21:50	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/19/19 21:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/19/19 21:50	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/19/19 21:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 21:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/19/19 21:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/19/19 21:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/19/19 21:50	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/19/19 21:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/19/19 21:50	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/19/19 21:50	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/19/19 21:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/19/19 21:50	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/19/19 21:50	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 21:50	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/19/19 21:50	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/19/19 21:50	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: MW-3 **Lab ID: 40199229002** Collected: 11/13/19 12:10 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/19/19 21:50	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 21:50	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 21:50	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/19/19 21:50	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/19/19 21:50	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/19/19 21:50	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/19/19 21:50	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/19/19 21:50	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/19/19 21:50	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/19/19 21:50	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/19/19 21:50	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/19/19 21:50	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/19/19 21:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/19/19 21:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/19/19 21:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/19/19 21:50	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/19/19 21:50	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/19/19 21:50	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/19/19 21:50	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/19/19 21:50	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/19/19 21:50	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		11/19/19 21:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 21:50	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 21:50	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/19/19 21:50	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/19/19 21:50	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/19/19 21:50	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/19/19 21:50	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/19/19 21:50	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/19/19 21:50	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/19/19 21:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/19/19 21:50	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/19/19 21:50	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/19/19 21:50	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/19/19 21:50	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/19/19 21:50	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/19/19 21:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/19/19 21:50	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/19/19 21:50	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/19/19 21:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: MW-4 **Lab ID: 40199229003** Collected: 11/13/19 12:40 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.0063	ug/L	0.031	0.0063	1	11/18/19 08:54	11/18/19 11:52	83-32-9	
Acenaphthylene	<0.0051	ug/L	0.026	0.0051	1	11/18/19 08:54	11/18/19 11:52	208-96-8	
Anthracene	<0.011	ug/L	0.054	0.011	1	11/18/19 08:54	11/18/19 11:52	120-12-7	
Benzo(a)anthracene	0.0089J	ug/L	0.039	0.0078	1	11/18/19 08:54	11/18/19 11:52	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.054	0.011	1	11/18/19 08:54	11/18/19 11:52	50-32-8	
Benzo(b)fluoranthene	0.0082J	ug/L	0.030	0.0059	1	11/18/19 08:54	11/18/19 11:52	205-99-2	
Benzo(g,h,i)perylene	0.010J	ug/L	0.035	0.0070	1	11/18/19 08:54	11/18/19 11:52	191-24-2	
Benzo(k)fluoranthene	0.0090J	ug/L	0.039	0.0078	1	11/18/19 08:54	11/18/19 11:52	207-08-9	
Chrysene	<0.013	ug/L	0.067	0.013	1	11/18/19 08:54	11/18/19 11:52	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.052	0.010	1	11/18/19 08:54	11/18/19 11:52	53-70-3	
Fluoranthene	<0.011	ug/L	0.055	0.011	1	11/18/19 08:54	11/18/19 11:52	206-44-0	
Fluorene	<0.0082	ug/L	0.041	0.0082	1	11/18/19 08:54	11/18/19 11:52	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.091	0.018	1	11/18/19 08:54	11/18/19 11:52	193-39-5	
1-Methylnaphthalene	<0.0061	ug/L	0.030	0.0061	1	11/18/19 08:54	11/18/19 11:52	90-12-0	
2-Methylnaphthalene	<0.0051	ug/L	0.025	0.0051	1	11/18/19 08:54	11/18/19 11:52	91-57-6	
Naphthalene	<0.019	ug/L	0.094	0.019	1	11/18/19 08:54	11/18/19 11:52	91-20-3	
Phenanthrene	<0.014	ug/L	0.071	0.014	1	11/18/19 08:54	11/18/19 11:52	85-01-8	
Pyrene	0.0081J	ug/L	0.039	0.0079	1	11/18/19 08:54	11/18/19 11:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	30-85		1	11/18/19 08:54	11/18/19 11:52	321-60-8	
Terphenyl-d14 (S)	95	%	10-120		1	11/18/19 08:54	11/18/19 11:52	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.25	ug/L	1.0	0.25	1		11/19/19 22:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/19/19 22:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/19/19 22:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/19/19 22:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/19/19 22:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/19/19 22:12	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 22:12	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/19/19 22:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/19/19 22:12	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/19/19 22:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 22:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/19/19 22:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/19/19 22:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/19/19 22:12	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/19/19 22:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/19/19 22:12	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/19/19 22:12	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/19/19 22:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/19/19 22:12	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/19/19 22:12	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 22:12	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/19/19 22:12	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/19/19 22:12	106-46-7	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: MW-4 **Lab ID: 40199229003** Collected: 11/13/19 12:40 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/19/19 22:12	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 22:12	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 22:12	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/19/19 22:12	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/19/19 22:12	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/19/19 22:12	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/19/19 22:12	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/19/19 22:12	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/19/19 22:12	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/19/19 22:12	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/19/19 22:12	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/19/19 22:12	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/19/19 22:12	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/19/19 22:12	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/19/19 22:12	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/19/19 22:12	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/19/19 22:12	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/19/19 22:12	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/19/19 22:12	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/19/19 22:12	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/19/19 22:12	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		11/19/19 22:12	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 22:12	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 22:12	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/19/19 22:12	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/19/19 22:12	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/19/19 22:12	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/19/19 22:12	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/19/19 22:12	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/19/19 22:12	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/19/19 22:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/19/19 22:12	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/19/19 22:12	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/19/19 22:12	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/19/19 22:12	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/19/19 22:12	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/19/19 22:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/19/19 22:12	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/19/19 22:12	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/19/19 22:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: MW-4D **Lab ID: 40199229004** Collected: 11/13/19 12:40 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0060	ug/L	0.030	0.0060	1	11/18/19 08:54	11/18/19 12:11	83-32-9	
Acenaphthylene	<0.0049	ug/L	0.025	0.0049	1	11/18/19 08:54	11/18/19 12:11	208-96-8	
Anthracene	<0.010	ug/L	0.052	0.010	1	11/18/19 08:54	11/18/19 12:11	120-12-7	
Benzo(a)anthracene	<0.0075	ug/L	0.037	0.0075	1	11/18/19 08:54	11/18/19 12:11	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.052	0.010	1	11/18/19 08:54	11/18/19 12:11	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.028	0.0057	1	11/18/19 08:54	11/18/19 12:11	205-99-2	
Benzo(g,h,i)perylene	<0.0067	ug/L	0.034	0.0067	1	11/18/19 08:54	11/18/19 12:11	191-24-2	
Benzo(k)fluoranthene	<0.0075	ug/L	0.037	0.0075	1	11/18/19 08:54	11/18/19 12:11	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	11/18/19 08:54	11/18/19 12:11	218-01-9	
Dibenz(a,h)anthracene	<0.0099	ug/L	0.050	0.0099	1	11/18/19 08:54	11/18/19 12:11	53-70-3	
Fluoranthene	<0.011	ug/L	0.053	0.011	1	11/18/19 08:54	11/18/19 12:11	206-44-0	
Fluorene	<0.0079	ug/L	0.039	0.0079	1	11/18/19 08:54	11/18/19 12:11	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.087	0.017	1	11/18/19 08:54	11/18/19 12:11	193-39-5	
1-Methylnaphthalene	<0.0058	ug/L	0.029	0.0058	1	11/18/19 08:54	11/18/19 12:11	90-12-0	
2-Methylnaphthalene	<0.0049	ug/L	0.024	0.0049	1	11/18/19 08:54	11/18/19 12:11	91-57-6	
Naphthalene	<0.018	ug/L	0.091	0.018	1	11/18/19 08:54	11/18/19 12:11	91-20-3	
Phenanthrene	<0.014	ug/L	0.068	0.014	1	11/18/19 08:54	11/18/19 12:11	85-01-8	
Pyrene	<0.0076	ug/L	0.038	0.0076	1	11/18/19 08:54	11/18/19 12:11	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	30-85		1	11/18/19 08:54	11/18/19 12:11	321-60-8	
Terphenyl-d14 (S)	99	%	10-120		1	11/18/19 08:54	11/18/19 12:11	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		11/19/19 21:27	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/19/19 21:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/19/19 21:27	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/19/19 21:27	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/19/19 21:27	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/19/19 21:27	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 21:27	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/19/19 21:27	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/19/19 21:27	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/19/19 21:27	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 21:27	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/19/19 21:27	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/19/19 21:27	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/19/19 21:27	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/19/19 21:27	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/19/19 21:27	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/19/19 21:27	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/19/19 21:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/19/19 21:27	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/19/19 21:27	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 21:27	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/19/19 21:27	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/19/19 21:27	106-46-7	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: MW-4D **Lab ID: 40199229004** Collected: 11/13/19 12:40 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/19/19 21:27	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 21:27	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 21:27	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/19/19 21:27	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/19/19 21:27	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/19/19 21:27	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/19/19 21:27	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/19/19 21:27	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/19/19 21:27	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/19/19 21:27	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/19/19 21:27	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/19/19 21:27	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/19/19 21:27	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/19/19 21:27	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/19/19 21:27	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/19/19 21:27	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/19/19 21:27	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/19/19 21:27	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/19/19 21:27	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/19/19 21:27	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/19/19 21:27	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		11/19/19 21:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 21:27	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 21:27	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/19/19 21:27	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/19/19 21:27	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/19/19 21:27	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/19/19 21:27	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/19/19 21:27	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/19/19 21:27	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/19/19 21:27	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/19/19 21:27	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/19/19 21:27	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/19/19 21:27	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/19/19 21:27	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/19/19 21:27	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/19/19 21:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/19/19 21:27	460-00-4	HS
Dibromofluoromethane (S)	101	%	70-130		1		11/19/19 21:27	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/19/19 21:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

Sample: MW-1 **Lab ID: 40199229005** Collected: 11/13/19 13:15 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0067	ug/L	0.033	0.0067	1	11/18/19 08:54	11/18/19 12:29	83-32-9	
Acenaphthylene	<0.0055	ug/L	0.027	0.0055	1	11/18/19 08:54	11/18/19 12:29	208-96-8	
Anthracene	<0.011	ug/L	0.057	0.011	1	11/18/19 08:54	11/18/19 12:29	120-12-7	
Benzo(a)anthracene	<0.0083	ug/L	0.041	0.0083	1	11/18/19 08:54	11/18/19 12:29	56-55-3	
Benzo(a)pyrene	<0.012	ug/L	0.058	0.012	1	11/18/19 08:54	11/18/19 12:29	50-32-8	
Benzo(b)fluoranthene	<0.0063	ug/L	0.032	0.0063	1	11/18/19 08:54	11/18/19 12:29	205-99-2	
Benzo(g,h,i)perylene	<0.0075	ug/L	0.037	0.0075	1	11/18/19 08:54	11/18/19 12:29	191-24-2	
Benzo(k)fluoranthene	<0.0083	ug/L	0.041	0.0083	1	11/18/19 08:54	11/18/19 12:29	207-08-9	
Chrysene	<0.014	ug/L	0.072	0.014	1	11/18/19 08:54	11/18/19 12:29	218-01-9	
Dibenz(a,h)anthracene	<0.011	ug/L	0.055	0.011	1	11/18/19 08:54	11/18/19 12:29	53-70-3	
Fluoranthene	<0.012	ug/L	0.059	0.012	1	11/18/19 08:54	11/18/19 12:29	206-44-0	
Fluorene	<0.0088	ug/L	0.044	0.0088	1	11/18/19 08:54	11/18/19 12:29	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.019	ug/L	0.097	0.019	1	11/18/19 08:54	11/18/19 12:29	193-39-5	
1-Methylnaphthalene	<0.0065	ug/L	0.032	0.0065	1	11/18/19 08:54	11/18/19 12:29	90-12-0	
2-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	11/18/19 08:54	11/18/19 12:29	91-57-6	
Naphthalene	<0.020	ug/L	0.10	0.020	1	11/18/19 08:54	11/18/19 12:29	91-20-3	
Phenanthrene	<0.015	ug/L	0.076	0.015	1	11/18/19 08:54	11/18/19 12:29	85-01-8	
Pyrene	<0.0084	ug/L	0.042	0.0084	1	11/18/19 08:54	11/18/19 12:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	30-85		1	11/18/19 08:54	11/18/19 12:29	321-60-8	
Terphenyl-d14 (S)	92	%	10-120		1	11/18/19 08:54	11/18/19 12:29	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.25	ug/L	1.0	0.25	1		11/19/19 22:35	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/19/19 22:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/19/19 22:35	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/19/19 22:35	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/19/19 22:35	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/19/19 22:35	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 22:35	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/19/19 22:35	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/19/19 22:35	98-06-6	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		11/19/19 22:35	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 22:35	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/19/19 22:35	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/19/19 22:35	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/19/19 22:35	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/19/19 22:35	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/19/19 22:35	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/19/19 22:35	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/19/19 22:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/19/19 22:35	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/19/19 22:35	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/19/19 22:35	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/19/19 22:35	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/19/19 22:35	106-46-7	

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

Sample: MW-1 **Lab ID: 40199229005** Collected: 11/13/19 13:15 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/19/19 22:35	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 22:35	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 22:35	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/19/19 22:35	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/19/19 22:35	156-59-2	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		11/19/19 22:35	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/19/19 22:35	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/19/19 22:35	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/19/19 22:35	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/19/19 22:35	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/19/19 22:35	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/19/19 22:35	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/19/19 22:35	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		11/19/19 22:35	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		11/19/19 22:35	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		11/19/19 22:35	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/19/19 22:35	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/19/19 22:35	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/19/19 22:35	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/19/19 22:35	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/19/19 22:35	103-65-1	
Styrene	<0.47	ug/L	1.6	0.47	1		11/19/19 22:35	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/19/19 22:35	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/19/19 22:35	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/19/19 22:35	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		11/19/19 22:35	108-88-3	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		11/19/19 22:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/19/19 22:35	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/19/19 22:35	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/19/19 22:35	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/19/19 22:35	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/19/19 22:35	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/19/19 22:35	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/19/19 22:35	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/19/19 22:35	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/19/19 22:35	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/19/19 22:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		11/19/19 22:35	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/19/19 22:35	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		11/19/19 22:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: MW-2 **Lab ID: 40199229006** Collected: 11/13/19 13:40 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	<0.033	ug/L	0.17	0.033	5	11/18/19 08:54	11/18/19 16:08	83-32-9	
Acenaphthylene	<0.027	ug/L	0.14	0.027	5	11/18/19 08:54	11/18/19 16:08	208-96-8	
Anthracene	0.079J	ug/L	0.29	0.057	5	11/18/19 08:54	11/18/19 16:08	120-12-7	
Benzo(a)anthracene	<0.041	ug/L	0.21	0.041	5	11/18/19 08:54	11/18/19 16:08	56-55-3	
Benzo(a)pyrene	<0.058	ug/L	0.29	0.058	5	11/18/19 08:54	11/18/19 16:08	50-32-8	
Benzo(b)fluoranthene	<0.032	ug/L	0.16	0.032	5	11/18/19 08:54	11/18/19 16:08	205-99-2	
Benzo(g,h,i)perylene	<0.037	ug/L	0.19	0.037	5	11/18/19 08:54	11/18/19 16:08	191-24-2	
Benzo(k)fluoranthene	<0.041	ug/L	0.21	0.041	5	11/18/19 08:54	11/18/19 16:08	207-08-9	
Chrysene	<0.072	ug/L	0.36	0.072	5	11/18/19 08:54	11/18/19 16:08	218-01-9	
Dibenz(a,h)anthracene	<0.055	ug/L	0.28	0.055	5	11/18/19 08:54	11/18/19 16:08	53-70-3	
Fluoranthene	<0.059	ug/L	0.29	0.059	5	11/18/19 08:54	11/18/19 16:08	206-44-0	
Fluorene	<0.044	ug/L	0.22	0.044	5	11/18/19 08:54	11/18/19 16:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.097	ug/L	0.48	0.097	5	11/18/19 08:54	11/18/19 16:08	193-39-5	
1-Methylnaphthalene	10.5	ug/L	0.16	0.032	5	11/18/19 08:54	11/18/19 16:08	90-12-0	
2-Methylnaphthalene	4.3	ug/L	0.13	0.027	5	11/18/19 08:54	11/18/19 16:08	91-57-6	
Naphthalene	62.1	ug/L	0.50	0.10	5	11/18/19 08:54	11/18/19 16:08	91-20-3	
Phenanthrene	<0.076	ug/L	0.38	0.076	5	11/18/19 08:54	11/18/19 16:08	85-01-8	
Pyrene	<0.042	ug/L	0.21	0.042	5	11/18/19 08:54	11/18/19 16:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	30-85		5	11/18/19 08:54	11/18/19 16:08	321-60-8	
Terphenyl-d14 (S)	60	%	10-120		5	11/18/19 08:54	11/18/19 16:08	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Benzene	28.8	ug/L	10.0	2.5	10		11/20/19 01:34	71-43-2	
Bromobenzene	<2.4	ug/L	10.0	2.4	10		11/20/19 01:34	108-86-1	
Bromochloromethane	<3.6	ug/L	50.0	3.6	10		11/20/19 01:34	74-97-5	
Bromodichloromethane	<3.6	ug/L	12.1	3.6	10		11/20/19 01:34	75-27-4	
Bromoform	<39.7	ug/L	132	39.7	10		11/20/19 01:34	75-25-2	
Bromomethane	<9.7	ug/L	50.0	9.7	10		11/20/19 01:34	74-83-9	
n-Butylbenzene	<7.1	ug/L	23.6	7.1	10		11/20/19 01:34	104-51-8	
sec-Butylbenzene	<8.5	ug/L	50.0	8.5	10		11/20/19 01:34	135-98-8	
tert-Butylbenzene	<3.0	ug/L	10.1	3.0	10		11/20/19 01:34	98-06-6	
Carbon tetrachloride	<1.7	ug/L	10.0	1.7	10		11/20/19 01:34	56-23-5	
Chlorobenzene	<7.1	ug/L	23.7	7.1	10		11/20/19 01:34	108-90-7	
Chloroethane	<13.4	ug/L	50.0	13.4	10		11/20/19 01:34	75-00-3	
Chloroform	<12.7	ug/L	50.0	12.7	10		11/20/19 01:34	67-66-3	
Chloromethane	<21.9	ug/L	73.0	21.9	10		11/20/19 01:34	74-87-3	
2-Chlorotoluene	<9.3	ug/L	50.0	9.3	10		11/20/19 01:34	95-49-8	
4-Chlorotoluene	<7.6	ug/L	25.2	7.6	10		11/20/19 01:34	106-43-4	
1,2-Dibromo-3-chloropropane	<17.6	ug/L	58.8	17.6	10		11/20/19 01:34	96-12-8	
Dibromochloromethane	<26.0	ug/L	86.7	26.0	10		11/20/19 01:34	124-48-1	
1,2-Dibromoethane (EDB)	<8.3	ug/L	27.6	8.3	10		11/20/19 01:34	106-93-4	
Dibromomethane	<9.4	ug/L	31.2	9.4	10		11/20/19 01:34	74-95-3	
1,2-Dichlorobenzene	<7.1	ug/L	23.5	7.1	10		11/20/19 01:34	95-50-1	
1,3-Dichlorobenzene	<6.3	ug/L	20.9	6.3	10		11/20/19 01:34	541-73-1	
1,4-Dichlorobenzene	<9.4	ug/L	31.5	9.4	10		11/20/19 01:34	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Sample: MW-2 **Lab ID: 40199229006** Collected: 11/13/19 13:40 Received: 11/15/19 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Dichlorodifluoromethane	<5.0	ug/L	50.0	5.0	10		11/20/19 01:34	75-71-8	
1,1-Dichloroethane	<2.7	ug/L	10.0	2.7	10		11/20/19 01:34	75-34-3	
1,2-Dichloroethane	<2.8	ug/L	10.0	2.8	10		11/20/19 01:34	107-06-2	
1,1-Dichloroethene	<2.4	ug/L	10.0	2.4	10		11/20/19 01:34	75-35-4	
cis-1,2-Dichloroethene	<2.7	ug/L	10.0	2.7	10		11/20/19 01:34	156-59-2	
trans-1,2-Dichloroethene	<10.9	ug/L	36.4	10.9	10		11/20/19 01:34	156-60-5	
1,2-Dichloropropane	<2.8	ug/L	10.0	2.8	10		11/20/19 01:34	78-87-5	
1,3-Dichloropropane	<8.3	ug/L	27.5	8.3	10		11/20/19 01:34	142-28-9	
2,2-Dichloropropane	<22.7	ug/L	75.5	22.7	10		11/20/19 01:34	594-20-7	
1,1-Dichloropropene	<5.4	ug/L	18.0	5.4	10		11/20/19 01:34	563-58-6	
cis-1,3-Dichloropropene	<36.3	ug/L	121	36.3	10		11/20/19 01:34	10061-01-5	
trans-1,3-Dichloropropene	<43.7	ug/L	146	43.7	10		11/20/19 01:34	10061-02-6	
Diisopropyl ether	<18.9	ug/L	62.9	18.9	10		11/20/19 01:34	108-20-3	
Ethylbenzene	216	ug/L	10.0	2.2	10		11/20/19 01:34	100-41-4	
Hexachloro-1,3-butadiene	<11.8	ug/L	50.0	11.8	10		11/20/19 01:34	87-68-3	
Isopropylbenzene (Cumene)	84.6	ug/L	50.0	3.9	10		11/20/19 01:34	98-82-8	
p-Isopropyltoluene	<8.0	ug/L	26.7	8.0	10		11/20/19 01:34	99-87-6	
Methylene Chloride	<5.8	ug/L	50.0	5.8	10		11/20/19 01:34	75-09-2	
Methyl-tert-butyl ether	12.9J	ug/L	41.5	12.5	10		11/20/19 01:34	1634-04-4	
Naphthalene	120	ug/L	50.0	11.8	10		11/20/19 01:34	91-20-3	
n-Propylbenzene	150	ug/L	50.0	8.1	10		11/20/19 01:34	103-65-1	
Styrene	<4.7	ug/L	15.5	4.7	10		11/20/19 01:34	100-42-5	
1,1,1,2-Tetrachloroethane	<2.7	ug/L	10.0	2.7	10		11/20/19 01:34	630-20-6	
1,1,2,2-Tetrachloroethane	<2.8	ug/L	10.0	2.8	10		11/20/19 01:34	79-34-5	
Tetrachloroethene	<3.3	ug/L	10.9	3.3	10		11/20/19 01:34	127-18-4	
Toluene	<1.7	ug/L	50.0	1.7	10		11/20/19 01:34	108-88-3	
1,2,3-Trichlorobenzene	<6.3	ug/L	50.0	6.3	10		11/20/19 01:34	87-61-6	
1,2,4-Trichlorobenzene	<9.5	ug/L	50.0	9.5	10		11/20/19 01:34	120-82-1	
1,1,1-Trichloroethane	<2.4	ug/L	10.0	2.4	10		11/20/19 01:34	71-55-6	
1,1,2-Trichloroethane	<5.5	ug/L	50.0	5.5	10		11/20/19 01:34	79-00-5	
Trichloroethene	<2.6	ug/L	10.0	2.6	10		11/20/19 01:34	79-01-6	
Trichlorofluoromethane	<2.1	ug/L	10.0	2.1	10		11/20/19 01:34	75-69-4	
1,2,3-Trichloropropane	<5.9	ug/L	50.0	5.9	10		11/20/19 01:34	96-18-4	
1,2,4-Trimethylbenzene	459	ug/L	28.0	8.4	10		11/20/19 01:34	95-63-6	
1,3,5-Trimethylbenzene	46.3	ug/L	29.1	8.7	10		11/20/19 01:34	108-67-8	
Vinyl chloride	<1.7	ug/L	10.0	1.7	10		11/20/19 01:34	75-01-4	
Xylene (Total)	799	ug/L	30.0	15.0	10		11/20/19 01:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		11/20/19 01:34	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		10		11/20/19 01:34	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		11/20/19 01:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

QC Batch: 340963 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40199229001, 40199229002, 40199229003, 40199229004, 40199229005, 40199229006

METHOD BLANK: 1980254 Matrix: Water
Associated Lab Samples: 40199229001, 40199229002, 40199229003, 40199229004, 40199229005, 40199229006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/19/19 16:35	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/19/19 16:35	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/19/19 16:35	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/19/19 16:35	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/19/19 16:35	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/19/19 16:35	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/19/19 16:35	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	11/19/19 16:35	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/19/19 16:35	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/19/19 16:35	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/19/19 16:35	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/19/19 16:35	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/19/19 16:35	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/19/19 16:35	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/19/19 16:35	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/19/19 16:35	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/19/19 16:35	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/19/19 16:35	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/19/19 16:35	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/19/19 16:35	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/19/19 16:35	
2-Chlorotoluene	ug/L	<0.93	5.0	11/19/19 16:35	
4-Chlorotoluene	ug/L	<0.76	2.5	11/19/19 16:35	
Benzene	ug/L	<0.25	1.0	11/19/19 16:35	
Bromobenzene	ug/L	<0.24	1.0	11/19/19 16:35	
Bromochloromethane	ug/L	<0.36	5.0	11/19/19 16:35	
Bromodichloromethane	ug/L	<0.36	1.2	11/19/19 16:35	
Bromoform	ug/L	<4.0	13.2	11/19/19 16:35	
Bromomethane	ug/L	<0.97	5.0	11/19/19 16:35	
Carbon tetrachloride	ug/L	<0.17	1.0	11/19/19 16:35	
Chlorobenzene	ug/L	<0.71	2.4	11/19/19 16:35	
Chloroethane	ug/L	<1.3	5.0	11/19/19 16:35	
Chloroform	ug/L	<1.3	5.0	11/19/19 16:35	
Chloromethane	ug/L	<2.2	7.3	11/19/19 16:35	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/19/19 16:35	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/19/19 16:35	
Dibromochloromethane	ug/L	<2.6	8.7	11/19/19 16:35	
Dibromomethane	ug/L	<0.94	3.1	11/19/19 16:35	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/19/19 16:35	
Diisopropyl ether	ug/L	<1.9	6.3	11/19/19 16:35	
Ethylbenzene	ug/L	<0.22	1.0	11/19/19 16:35	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

METHOD BLANK: 1980254 Matrix: Water
Associated Lab Samples: 40199229001, 40199229002, 40199229003, 40199229004, 40199229005, 40199229006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	11/19/19 16:35	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	11/19/19 16:35	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/19/19 16:35	
Methylene Chloride	ug/L	<0.58	5.0	11/19/19 16:35	
n-Butylbenzene	ug/L	<0.71	2.4	11/19/19 16:35	
n-Propylbenzene	ug/L	<0.81	5.0	11/19/19 16:35	
Naphthalene	ug/L	<1.2	5.0	11/19/19 16:35	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/19/19 16:35	
sec-Butylbenzene	ug/L	<0.85	5.0	11/19/19 16:35	
Styrene	ug/L	<0.47	1.6	11/19/19 16:35	
tert-Butylbenzene	ug/L	<0.30	1.0	11/19/19 16:35	
Tetrachloroethene	ug/L	<0.33	1.1	11/19/19 16:35	
Toluene	ug/L	<0.17	5.0	11/19/19 16:35	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	11/19/19 16:35	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/19/19 16:35	
Trichloroethene	ug/L	<0.26	1.0	11/19/19 16:35	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/19/19 16:35	
Vinyl chloride	ug/L	<0.17	1.0	11/19/19 16:35	
Xylene (Total)	ug/L	<1.5	3.0	11/19/19 16:35	
4-Bromofluorobenzene (S)	%	96	70-130	11/19/19 16:35	
Dibromofluoromethane (S)	%	103	70-130	11/19/19 16:35	
Toluene-d8 (S)	%	101	70-130	11/19/19 16:35	

LABORATORY CONTROL SAMPLE: 1980255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.0	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	70-130	
1,1,2-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1-Dichloroethane	ug/L	50	51.3	103	73-150	
1,1-Dichloroethene	ug/L	50	45.9	92	73-138	
1,2,4-Trichlorobenzene	ug/L	50	49.1	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.1	82	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	49.8	100	70-130	
1,2-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,2-Dichloroethane	ug/L	50	53.5	107	75-140	
1,2-Dichloropropane	ug/L	50	52.6	105	73-135	
1,3-Dichlorobenzene	ug/L	50	52.6	105	70-130	
1,4-Dichlorobenzene	ug/L	50	52.6	105	70-130	
Benzene	ug/L	50	53.3	107	70-130	
Bromodichloromethane	ug/L	50	49.6	99	70-130	
Bromoform	ug/L	50	42.6	85	68-129	
Bromomethane	ug/L	50	33.6	67	18-159	
Carbon tetrachloride	ug/L	50	50.2	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

LABORATORY CONTROL SAMPLE: 1980255

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloroethane	ug/L	50	47.6	95	53-147	
Chloroform	ug/L	50	52.4	105	74-136	
Chloromethane	ug/L	50	30.9	62	29-115	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Dibromochloromethane	ug/L	50	48.0	96	70-130	
Dichlorodifluoromethane	ug/L	50	38.6	77	10-130	
Ethylbenzene	ug/L	50	52.6	105	80-124	
Isopropylbenzene (Cumene)	ug/L	50	52.8	106	70-130	
Methyl-tert-butyl ether	ug/L	50	42.2	84	54-137	
Methylene Chloride	ug/L	50	46.7	93	73-138	
Styrene	ug/L	50	53.2	106	70-130	
Tetrachloroethene	ug/L	50	52.9	106	70-130	
Toluene	ug/L	50	53.2	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	73-145	
trans-1,3-Dichloropropene	ug/L	50	43.5	87	70-130	
Trichloroethene	ug/L	50	54.9	110	70-130	
Trichlorofluoromethane	ug/L	50	51.3	103	76-147	
Vinyl chloride	ug/L	50	41.3	83	51-120	
Xylene (Total)	ug/L	150	158	105	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980764 1980765

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40199229006	Result	Spike Conc.	MSD Spike Conc.								
1,1,1-Trichloroethane	ug/L	<2.4	500	500	500	525	538	105	108	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<2.8	500	500	500	472	469	94	94	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<5.5	500	500	500	512	511	102	102	70-137	0	20	
1,1-Dichloroethane	ug/L	<2.7	500	500	500	505	510	101	102	73-153	1	20	
1,1-Dichloroethene	ug/L	<2.4	500	500	500	451	458	90	92	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<9.5	500	500	500	506	514	101	103	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<17.6	500	500	500	426	412	85	82	58-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	<8.3	500	500	500	490	489	98	98	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<7.1	500	500	500	522	523	104	105	70-130	0	20	
1,2-Dichloroethane	ug/L	<2.8	500	500	500	526	531	105	106	75-140	1	20	
1,2-Dichloropropane	ug/L	<2.8	500	500	500	512	521	102	104	71-138	2	20	
1,3-Dichlorobenzene	ug/L	<6.3	500	500	500	522	528	104	106	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<9.4	500	500	500	513	526	103	105	70-130	3	20	
Benzene	ug/L	28.8	500	500	500	553	561	105	106	70-130	1	20	
Bromodichloromethane	ug/L	<3.6	500	500	500	498	506	100	101	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980764 1980765												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40199229006 Result	Spike Conc.	Spike Conc.	MS Result							
Bromoform	ug/L	<39.7	500	500	428	432	86	86	68-129	1	20	
Bromomethane	ug/L	<9.7	500	500	372	396	74	79	15-170	6	20	
Carbon tetrachloride	ug/L	<1.7	500	500	500	511	100	102	70-130	2	20	
Chlorobenzene	ug/L	<7.1	500	500	519	521	104	104	70-130	0	20	
Chloroethane	ug/L	<13.4	500	500	449	456	90	91	51-148	2	20	
Chloroform	ug/L	<12.7	500	500	513	523	102	104	74-136	2	20	
Chloromethane	ug/L	<21.9	500	500	296	296	59	59	23-115	0	20	
cis-1,2-Dichloroethene	ug/L	<2.7	500	500	512	520	102	104	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<36.3	500	500	466	478	93	96	70-130	2	20	
Dibromochloromethane	ug/L	<26.0	500	500	482	483	96	97	70-130	0	20	
Dichlorodifluoromethane	ug/L	<5.0	500	500	360	364	72	73	10-132	1	20	
Ethylbenzene	ug/L	216	500	500	747	749	106	107	80-125	0	20	
Isopropylbenzene (Cumene)	ug/L	84.6	500	500	619	626	107	108	70-130	1	20	
Methyl-tert-butyl ether	ug/L	12.9J	500	500	427	429	83	83	51-145	0	20	
Methylene Chloride	ug/L	<5.8	500	500	461	465	92	93	73-140	1	20	
Styrene	ug/L	<4.7	500	500	528	534	106	107	70-130	1	20	
Tetrachloroethene	ug/L	<3.3	500	500	522	531	104	106	70-130	2	20	
Toluene	ug/L	<1.7	500	500	524	528	105	106	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<10.9	500	500	487	490	97	98	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<43.7	500	500	439	444	88	89	70-130	1	20	
Trichloroethene	ug/L	<2.6	500	500	531	544	106	109	70-130	2	20	
Trichlorofluoromethane	ug/L	<2.1	500	500	506	510	101	102	74-147	1	20	
Vinyl chloride	ug/L	<1.7	500	500	403	409	81	82	41-129	2	20	
Xylene (Total)	ug/L	799	1500	1500	2370	2350	105	104	70-130	1	20	
4-Bromofluorobenzene (S)	%						98	97	70-130			
Dibromofluoromethane (S)	%						102	102	70-130			
Toluene-d8 (S)	%						100	99	70-130			

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

QC Batch: 340985 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40199229002, 40199229003, 40199229004, 40199229005, 40199229006

METHOD BLANK: 1980303 Matrix: Water
Associated Lab Samples: 40199229002, 40199229003, 40199229004, 40199229005, 40199229006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	11/18/19 10:57	
2-Methylnaphthalene	ug/L	<0.0049	0.024	11/18/19 10:57	
Acenaphthene	ug/L	<0.0061	0.030	11/18/19 10:57	
Acenaphthylene	ug/L	<0.0050	0.025	11/18/19 10:57	
Anthracene	ug/L	<0.010	0.052	11/18/19 10:57	
Benzo(a)anthracene	ug/L	<0.0076	0.038	11/18/19 10:57	
Benzo(a)pyrene	ug/L	<0.011	0.053	11/18/19 10:57	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	11/18/19 10:57	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	11/18/19 10:57	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	11/18/19 10:57	
Chrysene	ug/L	<0.013	0.065	11/18/19 10:57	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	11/18/19 10:57	
Fluoranthene	ug/L	<0.011	0.053	11/18/19 10:57	
Fluorene	ug/L	<0.0080	0.040	11/18/19 10:57	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	11/18/19 10:57	
Naphthalene	ug/L	<0.018	0.092	11/18/19 10:57	
Phenanthrene	ug/L	<0.014	0.069	11/18/19 10:57	
Pyrene	ug/L	<0.0076	0.038	11/18/19 10:57	
2-Fluorobiphenyl (S)	%	56	30-85	11/18/19 10:57	
Terphenyl-d14 (S)	%	103	10-120	11/18/19 10:57	

LABORATORY CONTROL SAMPLE & LCSD: 1980304

1980305

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	0.90	1.0	45	50	39-88	12	29	
2-Methylnaphthalene	ug/L	2	0.95	1.1	48	53	40-93	11	29	
Acenaphthene	ug/L	2	1.1	1.3	54	63	43-102	16	30	
Acenaphthylene	ug/L	2	1.1	1.3	55	63	42-103	14	31	
Anthracene	ug/L	2	1.5	1.6	74	79	52-105	7	36	
Benzo(a)anthracene	ug/L	2	1.6	1.6	81	80	39-120	2	39	
Benzo(a)pyrene	ug/L	2	1.6	1.7	81	83	57-117	2	39	
Benzo(b)fluoranthene	ug/L	2	1.4	1.4	68	70	54-117	2	41	
Benzo(g,h,i)perylene	ug/L	2	0.95	0.96	48	48	32-82	1	44	
Benzo(k)fluoranthene	ug/L	2	1.8	1.8	91	90	56-123	1	39	
Chrysene	ug/L	2	2.0	2.0	98	101	63-122	3	38	
Dibenz(a,h)anthracene	ug/L	2	0.74	0.79	37	40	23-76	6	46	
Fluoranthene	ug/L	2	1.5	1.5	77	76	52-112	1	35	
Fluorene	ug/L	2	1.2	1.4	62	70	46-116	12	33	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.4	1.4	69	71	49-110	2	32	
Naphthalene	ug/L	2	0.99	1.1	50	53	37-84	6	29	

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QUALITY CONTROL DATA

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

LABORATORY CONTROL SAMPLE & LCSD:		1980304	1980305								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Phenanthrene	ug/L	2	1.4	1.4	68	72	50-104	6	36		
Pyrene	ug/L	2	1.8	1.9	91	93	57-123	2	36		
2-Fluorobiphenyl (S)	%				54	60	30-85				
Terphenyl-d14 (S)	%				107	106	10-120				

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QUALIFIERS

Project: 60578411 704 75TH STREET

Pace Project No.: 40199229

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 341053

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

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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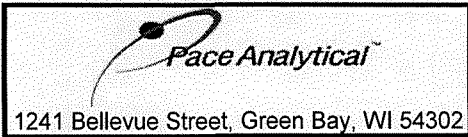
QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60578411 704 75TH STREET
Pace Project No.: 40199229

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40199229002	MW-3	EPA 3510	340985	EPA 8270 by HVI	341053
40199229003	MW-4	EPA 3510	340985	EPA 8270 by HVI	341053
40199229004	MW-4D	EPA 3510	340985	EPA 8270 by HVI	341053
40199229005	MW-1	EPA 3510	340985	EPA 8270 by HVI	341053
40199229006	MW-2	EPA 3510	340985	EPA 8270 by HVI	341053
40199229001	TRIP BLANK	EPA 8260	340963		
40199229002	MW-3	EPA 8260	340963		
40199229003	MW-4	EPA 8260	340963		
40199229004	MW-4D	EPA 8260	340963		
40199229005	MW-1	EPA 8260	340963		
40199229006	MW-2	EPA 8260	340963		

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Document Name: Sample Condition Upon Receipt (SCUR)
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018
Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

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

Project #: _____
WO#: 40199229

40199229

Tracking #: _____
Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
Custody Seal on Samples Present: yes no Seals intact: yes no
Packing Material: Bubble Wrap Bubble Bags None Other
Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: ROT / 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.

Person examining contents:
Date: 11-15-19
Initials: [Signature]

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>433</u>		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 11/15/19