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WDNR BRRTS # 02-30-000327

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

Subject: May 2018 Perimeter Groundwater Sampling Summary
Former Kenosha Engine Plant, 5555 30th Avenue, Kenosha, Wisconsin

Dear Ms. Billingsley,

AECOM conducted a semi-annual groundwater sampling event on May 16 and 17, 2018, under Task Order 127-040418 for the City of Kenosha, at the former Kenosha Engine Plant (KEP). Seventeen perimeter groundwater monitoring wells (MW-31, MW-44, MW-101 through MW-103, MW-105, MW-107, MW-108 through MW-117), three piezometers (PZ-116, PZ-117 and PZ-118) and four wells at the Jockey site (MW-79 through MW-82) were sampled during the May 2018 event. Two perimeter groundwater monitoring wells (MW-70 and MW-71) were damaged and were unable to be sampled. Their alternate monitoring wells (MW-808 and MW-809) were unable to be sampled because they were located under a stockpile of concrete.

Prior to sample collection, groundwater elevation measurements were collected from the sampled monitoring wells and piezometers. Depth to groundwater measurements and calculated elevations are provided in Table 1. The monitoring well and piezometer locations are depicted in Figure 1.

Groundwater flow at the KEP generally flows to the east-northeast and east-southeast across the site at the water table and to the northeast at the clay-till interface, based on the groundwater elevations using only the perimeter wells. These flow directions are consistent with the data provided in the KEP *Site Investigation Report* (AECOM, February 2015) and subsequent groundwater measurement events. Contoured groundwater elevations for May 2018, depicting groundwater flow, are shown in Figure 2 for the water table potentiometric surface and in Figure 3 for the potentiometric surface measured in the piezometers.

Groundwater samples were collected from the selected monitoring wells and piezometers using a low-flow sampling technique with a peristaltic pump and new tubing for each well. Sampling procedures were consistent with those provided in the *KEP Groundwater Monitoring Plan – Revision 1* (AECOM July 22, 2015). Field parameters, including pH, conductivity, oxygen reducing potential, dissolved oxygen, and temperature, were measured during well purging and recorded following stabilization of each parameter. The field parameter measurements are included in Table 2.

Groundwater samples from the 25 monitoring wells or piezometers were submitted to Pace Analytical Services, Inc. (Pace), in Green Bay, Wisconsin, and analyzed for VOCs (SW846 Method 8260B). The groundwater analytical results were compared to the Wisconsin Administrative Code Ch. NR 140.10, Table 1, Public Heath Groundwater Quality Standards, enforcement standards (ES) and preventive action limit (PAL). The PAL is a concentration that is 10% (for carcinogenic, mutagenic or teratogenic compounds) to 20% of the enforcement standard. The PAL has been established as the concentration at

which notification to the WDNR is required. The ES is a health-risk based concentration and is equal to the US EPA's maximum contaminant level (MCL) where established. The groundwater VOC analytical results are included in Table 3. ES exceedances for VOCs are depicted in bold on Table 3 and on the site map in Figure 4. PAL exceedances for VOCs are shown in underlined italics. Laboratory analytical reports are also attached.

VOCs were generally not detected in the perimeter wells except for MW-31, MW-114, PZ-116, and PZ-118 as well as MW-82 at the Jockey site. The following groundwater quality exceedances were identified in the groundwater samples analyzed in May 2018:

Enforcement standard exceecances	**Preventive action limit exceedances**
KEP site	
MW-31 – trichloroethene (TCE)	MW-31 – cis-1,2-dichloroethene (cisDCE)
MW-114 – TCE and vinyl chloride	
PZ-116 – vinyl chloride	
PZ-118 – vinyl chloride	
Jockey site	
MW-82 – cisDCE, TCE and vinyl chloride	MW-82 – trans-1,2-dichloroethene

Concentration trends are inconclusive regarding whether the source control excavations were successful in reducing the contaminant mass and flux to groundwater. The concentration trends are generally consistent with prior sample rsults and in some cases continue to fluctuate with groundwater elevations. Continued monitoring is planned.

Please contact me if you have questions.

Yours sincerely,

Lanette Altenbach, P.G., C.P.G.
Senior Hydrogeologist
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Attachments

Tables

Table 1 – Groundwater Measurements and Elevations - Perimeter Monitoring Wells & Piezometers
Table 2 – Measured Field Parameters from Perimeter Monitoring Wells & Piezometers
Table 3 – Detected VOCs in Groundwater from Perimeter Monitoring Wells & Piezometers

Figures

Figure 1 – Perimeter Monitoring Well and Piezometer Locations
Figure 2 – Potentiometric Surface – Perimeter Water Table Monitoring Wells – November 2016
Figure 3 – Potentiometric Surface – Perimeter Piezometers –November 2016
Figure 4 – VOCs Detected in Groundwater Above Enforcement Standards – November 2016

Laboratory Analytical Report

Cc: Dave Volkert, WDNR Project Manager with Attachments
Kyle Rogers, USEPA, Brownfields Project Manager with Attachments (electronic delivery)

Table 1
Groundwater Measurements and Elevations
KEP Perimeter Wells
Kenosha, Wisconsin

Well Number	MW-31		MW-44		MW-70		MW-71		MW-101		MW-102		MW-103	
Ground Elevation (ft)	624.45		624.49		623.49		623.57		624.01		624.18		625.74	
Top of PVC Casing (TOC) Elevation (ft)	627.42		624.194		623.17		623.35		623.46		623.66		625.33	
Top of Screen Elevation (ft)	615.72		619.724		616.19		616.25		620.56		621.06		622.04	
Screen Length (ft)	10		10		10		10		10		10		10	
TOC to Bottom of Well (ft) [A]	21.7		14.47		16.98		17.1		12.9		12.6		13.29	
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)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
5/8 - 5/20/2014	11.41	613.04	10.19	614.00	6.54	616.63	7.02	616.33	5.40	618.06	4.92	618.74	5.10	620.23
9/22/2014	13.17	611.28	10.95	613.24	7.48	615.69	7.95	615.40	5.96	617.50	5.33	618.33	5.41	619.92
12/1/2014	13.13	611.32	11.20	612.99	7.64	615.53	8.06	615.29	6.07	617.39	5.38	618.28	5.45	619.88
3/20/2015	12.49	611.96	11.15	613.04	7.95	615.22	8.02	615.33	5.75	617.71	5.51	618.15	5.56	619.77
6/23/2015	12.18	612.27	NM	--	NM	--	7.19	616.16	5.44	618.02	5.06	618.60	5.25	620.08
9/21/2015	12.24	612.21	10.37	613.82	NM	--	NM	--	5.16	618.30	4.94	618.72	5.12	620.21
4/13/2016	9.89	614.56	9.51	614.68	NM	--	NM	--	5.24	618.22	4.83	618.83	5.05	620.28
11/28/2016	12.51	611.94	10.80	613.39	NM	--	8.10	615.25	6.50	616.96	4.80	618.86	NM	--
5/16/2018	9.50	614.95	9.71	614.48	NM	--	NM	--	4.85	618.61	3.41	620.25	3.59	621.74

ft = feet
[A] = as measured inside well
NI = Not Installed
NM = Not Measured
-- no elevation

Table 1
Groundwater Measurements and Elevations
KEP Perimeter Wells
Kenosha, Wisconsin

Well Number	MW-105		MW-107		MW-108		MW-109		MW-110		MW-111		MW-112	
Ground Elevation (ft)	623.87		625.74		623.742		625.19		622.88		621.41		621.61	
Top of PVC Casing (TOC) Elevation (ft)	623.35		624.59		623.262		624.62		622.42		621.04		621.18	
Top of Screen Elevation (ft)	619.65		620.19		619.162		618.37		618.42		618.44		617	
Screen Length (ft)	10		10		10		10		10		10		10	
TOC to Bottom of Well (ft) [A]	13.7		14.4		14.1		16.25		14		12.6		14.18	
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)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
5/8 - 5/20/2014	8.20	615.15	NM	--	4.38	618.88	13.71	610.91	5.69	616.73	6.71	614.33	4.36	616.82
9/22/2014	8.46	614.89	10.74	613.85	7.74	615.52	13.88	610.74	7.20	615.22	7.56	613.48	5.41	615.77
12/1/2014	8.58	614.77	8.36	616.23	7.10	616.16	13.86	610.76	7.18	615.24	7.31	613.73	4.91	616.27
3/20/2015	8.42	614.93	10.94	613.65	3.53	619.73	13.96	610.66	5.48	616.94	7.24	613.80	4.41	616.77
6/23/2015	7.83	615.52	9.73	614.86	5.62	617.64	13.73	610.89	6.14	616.28	6.88	614.16	4.42	616.76
9/21/2015	6.92	616.43	9.77	614.82	6.60	616.66	13.73	610.89	6.67	615.75	7.04	614.00	4.18	617.00
4/13/2016	7.61	615.74	9.13	615.46	3.49	619.77	13.61	611.01	4.93	617.49	6.26	614.78	3.72	617.46
11/28/2016	8.54	614.81	NM	--	7.20	616.06	13.88	610.74	7.20	615.22	7.69	613.35	4.78	616.40
5/16/2018	7.86	615.49	9.26	615.33	2.92	620.34	13.52	611.10	3.24	619.18	5.39	615.65	2.04	619.14

ft = feet
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NI = Not Installed
NM = Not Measured
-- no elevation

Table 1
Groundwater Measurements and Elevations
KEP Perimeter Wells
Kenosha, Wisconsin

Well Number	MW-113		MW-114		MW-115		MW-116		PZ-116		MW-117		PZ-117	
Ground Elevation (ft)	623.17		622.82		623.71		623.29		623.27		621.89		621.95	
Top of PVC Casing (TOC) Elevation (ft)	622.81		622.28		623.39		622.73		622.87		621.59		621.51	
Top of Screen Elevation (ft)	619.3		618.85		619.23		619.69		596.45		616.67		600.92	
Screen Length (ft)	10		10		10		10		2.5		10		2.5	
TOC to Bottom of Well (ft)[A]	13.51		13.43		14.16		13.04		28.92		14.92		23.09	
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)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
5/8 - 5/20/2014	9.60	613.21	6.41	615.87	5.21	618.18	6.61	616.12	7.15	615.72	7.22	614.37	6.49	615.02
9/22/2014	10.78	612.03	8.54	613.74	6.98	616.41	8.27	614.46	8.13	614.74	8.44	613.15	8.11	613.40
12/1/2014	10.61	612.20	8.44	613.84	6.84	616.55	7.94	614.79	8.11	614.76	8.18	613.41	8.10	613.41
3/20/2015	10.50	612.31	8.53	613.75	5.78	617.61	6.75	615.98	7.72	615.15	7.85	613.74	7.65	613.86
6/23/2015	NM	--	8.36	613.92	5.82	617.57	7.16	615.57	7.45	615.42	7.82	613.77	7.59	613.92
9/21/2015	9.93	612.88	8.40	613.88	5.90	617.49	7.05	615.68	7.91	614.96	7.80	613.79	7.95	613.56
4/13/2016	8.95	613.86	5.45	616.83	4.98	618.41	4.99	617.74	6.32	616.55	7.10	614.49	6.33	615.18
11/28/2016	11.15	611.66	8.34	613.94	6.28	617.11	8.05	614.68	8.32	614.55	8.19	613.40	8.32	613.19
5/16/2018	8.61	614.20	5.60	616.68	4.86	618.53	3.11	619.62	5.07	617.80	5.88	615.71	5.78	615.73

ft = feet
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-- no elevation

Table 1
Groundwater Measurements and Elevations
KEP Perimeter Wells
Kenosha, Wisconsin

Well Number	PZ-118		MW-206	
Ground Elevation (ft)	622.33		625.52	
Top of PVC Casing (TOC) Elevation (ft)	622.05		627.88	
Top of Screen Elevation (ft)	602.71		620.89	
Screen Length (ft)	2.5		10	
TOC to Bottom of Well (ft)[A]	21.84		16.99	
Date	Depth to GW from TOC (ft)	Groundwater Elevation (ft)	Depth to GW from TOC (ft)	Groundwater Elevation (ft)
5/8 - 5/20/2014	6.30	615.75	10.80	617.08
9/22/2014	8.21	613.84	10.99	616.89
12/1/2014	8.29	613.76	11.12	616.76
3/20/2015	7.82	614.23	11.08	616.80
6/23/2015	6.96	615.09	10.46	617.42
9/21/2015	7.24	614.81	9.99	617.89
4/13/2016	5.44	616.61	5.33	622.55
11/28/2016	8.19	613.86	NM	--
5/16/2018	5.41	616.64	5.28	622.60

ft = feet
[A] = as measured inside well
NI = Not Installed
NM = Not Measured
-- no elevation

Table 1
Groundwater Measurements and Elevations
Jockey Site Wells
Kenosha, Wisconsin

Well Number	MW-79		MW-80		MW-81		MW-82	
Ground Elevation (ft)	624.55		623.7		624.05		624.7	
Top of PVC Casing (TOC) Elevation (ft)	624.39		623.5		623.89		624.5	
Top of Screen Elevation (ft)	617.89		617		617.39		618	
Screen Length (ft)	10		10		10		10	
TOC to Bottom of Well (ft)[A]	16.5		16.5		16.5		16.5	
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)
9/30/2014	8.50	615.89	4.78	618.72	9.50	614.39	10.60	613.90
12/9/2014	9.19	615.20	5.70	617.80	9.39	614.50	10.65	613.85
3/20/2015	9.18	615.21	5.54	617.96	7.49	616.40	9.90	614.60
9/21/2015	8.95	615.44	6.05	617.45	9.14	614.75	10.61	613.89
4/13/2016	8.03	616.36	5.85	617.65	8.04	615.85	9.81	614.69
12/5/2016	9.75	614.64	7.65	615.85	10.25	613.64	11.20	613.30
5/17/2018	7.34	617.05	3.76	619.74	7.81	616.08	9.81	614.69

ft = feet

[A] = as measured inside well

NI = Not Installed

NM = Not Measured

-- no elevation

Note: 5-17-18 the cap on MW-80 was loose and asphalt/gravel was obtained during purging.

Table 2
Measured Field Parameters
KEP Perimeter Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Milivolts)	Conductivity (Microsiemens/cm)	Temperature (° Celcius)	Groundwater Elevation** (feet msl)
MW-31	5/28/2014	5.87	2.61	-148.30	1.507	9.14	616.01
	9/25/2014	6.87	0.49	30.00	1.525	14.78	614.25
	11/30/2016	7.52	1.23	79.90	1.287	11.47	614.91
	5/16/2018	7.06	6.82	37.30	1.473	13.58	614.95
MW-44	5/21/2012	7.33	0.42	-71.20	2.068	12.98	613.55
	5/22/2014	6.73	1.06	188.30	4.129	11.33	614.00
	9/30/2014	6.89	0.35	95.50	4.158	16.27	613.24
	12/4/2014	7.03	0.89	-8.2	2.586	12.29	612.99
	9/23/2015	6.97	0.86	16.9	4.675	18.05	613.82
	4/14/2016	7.05	4.92	57.1	4.846	9.2	614.68
	11/30/2016	7.56	1.19	-6.5	1.789	12.01	613.39
	5/17/2018	7.13	1.98	25	2.627	12.28	614.48
MW-70	11/4/2011	5.63	0.39	62.20	2.134	17.95	614.91
	5/21/2014	5.71	0.56	-184.30	3.012	12.25	616.63
	9/23/2014	6.58	0.94	126.10	2.184	18.73	615.69
	12/2/2014	6.81	0.54	39.1	1.003	11.58	615.53
	9/23/2015	access blocked by concrete pile					
	11/28/2016	access blocked by concrete pile					
	5/17/2018	Well damaged					
MW-71	11/4/2011	5.89	0.61	34.40	2.585	16.98	614.67
	5/21/2014	5.98	0.87	-208.40	1.598	12.55	616.33
	9/23/2014	6.77	0.26	90.20	1.312	17.74	615.40
	12/2/2014	6.92	0.32	21.3	1.128	12.29	615.29
	9/23/2015	access blocked by concrete pile					
	11/28/2016	access blocked by concrete pile					
	5/17/2018	Well damaged					
MW-101	1/23/2012	7.68	4.28	3.50	0.756	8.8	617.03
	5/20/2014	6.95	2.8	-156.30	1.454	14.07	618.06
	9/29/2014	7.27	0.81	34.80	1.34	20.46	617.50
	12/5/2014	7.3	1.22	-19	1.26	12.1	617.39
	9/22/2015	7.29	2.19	29.2	1.411	20.62	618.30
	4/15/2016	7.51	4.75	2.8	1.383	9.73	618.22
	11/28/2016	7.26	1.23	11.2	1.481	13.14	616.96
	5/16/2018	8.98	4.3	-75.4	1.514	12.75	618.61
MW-102	1/26/2012	7.09	0.67	-74.20	1.214	9.09	617.81
	5/16/2014	6.98	3.56	-48.50	2.320	8.98	618.74
	9/29/2014	7.01	0.14	-77.10	1.345	19.52	618.33
	12/4/2014	7.29	0.39	-56.3	1.509	11.35	618.28
	3/25/2015	7.23	0.54	-23.3	1.38	5.87	618.15
	9/24/2015	7.05	0.71	-47.2	1.617	18.76	618.72
	4/15/2016	7.31	0.47	38.2	2.414	9.28	618.83
	11/29/2016	7.53	0.54	148	1.245	15.01	618.86
	5/16/2018	7.35	7.36	38.10	1.829	11.87	620.25

Table 2
Measured Field Parameters
KEP Perimeter Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Milivolts)	Conductivity (Microsiemens/cm)	Temperature (° Celcius)	Groundwater Elevation** (feet msl)
MW-103	5/16/2018	9.15	2.35	-83.60	1.221	12.20	621.74
MW-105	1/24/2012	6.89	0.38	-87.00	2.997	11.06	613.53
	5/20/2019	6.48	0.47	-237.20	3.898	13.43	615.15
	9/30/2014	7.08	0.14	-62.10	2.787	16.75	614.89
	12/5/2014	6.70	0.6	-53.10	2.368	12.78	614.77
	9/22/2015	7.09	0.7	-9.10	0.899	18.25	616.43
	4/14/2016	6.91	2.68	-23.10	2.731	9.42	615.74
	11/28/2016	6.79	0.61	-90.50	1.845	13.23	614.81
	5/16/2018	7.02	1.19	-96.70	1.893	13.72	615.49
MW-107	5/16/2018	9.36	1.43	-84.40	0.940	11.84	615.33
MW-108	5/21/2012	7.16	1.73	-65.00	4.583	13.19	616.56
	5/23/2014	6.67	4.39	188.30	6.796	11.73	618.88
	9/30/2014	6.85	0.36	80.90	4.932	16.16	615.52
	12/4/2014	6.94	1.66	-3	4.386	10.4	616.16
	9/23/2015	6.87	0.96	27.8	4.504	18.23	616.66
	4/14/2016	7.33	4.65	90.8	4.674	8.53	619.77
	11/30/2016	7.19	0.87	172.3	3.341	13.4	616.06
	5/17/2018	6.97	4.42	108.9	3.831	12.57	620.34
MW-109	6/5/2014	6.23	0.44	-26.20	0.831	11.59	610.91
	9/23/2014	7.01	0.45	151.00	1.244	15.00	610.74
	12/5/2014	6.7	0.75	-63.70	1.303	12.41	610.76
	9/23/2015	7.05	0.34	-89.00	1.737	15.13	610.89
	4/15/2016	7.21	0.64	11.40	1.641	10.83	611.01
	11/29/2016	7.39	0.82	-1.80	1.326	13.82	610.74
	5/17/2018	7.04	0.41	-35.20	0.924	12.05	611.10
MW-110	5/22/2014	7.02	9.23	59.00	0.538	10.15	616.73
	9/23/2014	7.25	0.6	165.00	0.755	17.50	615.22
	12/5/2014	7.26	2.7	-2.00	0.639	11.57	615.24
	9/23/2015	7.05	0.68	239.00	0.557	23.82	615.75
	4/14/2016	7.51	9.57	21.10	0.598	8.69	617.49
	11/29/2016	7.59	1.95	108.00	0.498	14.39	615.22
	5/17/2018	7.26	9.19	105.60	0.436	10.90	619.18
MW-111	5/21/2014	7.05	1.81	74.30	0.977	10.83	614.33
	9/23/2014	7.29	0.69	180.00	0.634	18.10	613.48
	12/5/2014	7.3	1.38	-7.80	0.605	12.12	613.73
	9/23/2015	7.88	0.75	169.00	0.449	22.68	614.00
	4/14/2016	7.74	2.02	22.00	0.527	9.06	614.78
	11/29/2016	7.23	3.82	64.70	0.34	14.16	613.35
	5/17/2018	7.15	0.76	153.90	0.686	11.63	615.65

Table 2
Measured Field Parameters
KEP Perimeter Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Milivolts)	Conductivity (Microsiemens/cm)	Temperature (° Celcius)	Groundwater Elevation** (feet msl)
MW-112	11/3/2011	6.85	0.5	-2.50	2.661	15.52	615.47
	5/21/2014	7.19	0.74	43.10	2.699	11.28	616.82
	9/24/2014	7.05	0.5	68.40	2.26	17.78	615.77
	12/5/2014	7.25	3.69	-11.3	1.124	10.85	616.27
	9/22/2015	7.18	3.55	4	1.482	17.92	617.00
	4/15/2016	7.41	3.08	-13.7	1.49	9.07	617.46
	11/29/2016	7.36	4	59.7	0.73	13.97	616.40
	5/17/2018	7.11	2.29	174.1	1.208	12.15	619.14
MW-113	8/18/2011	7.27	0.73	-7.10	2.699	16.82	612.11
	5/28/2014	7.11	1.73	-208.70	1.586	11.29	613.21
	9/25/2014	7.7	0.24	283.00	3.400	16.40	604.03
	12/5/2014	7.18	2.1	-24.9	1.992	11.72	612.20
	3/25/2015	7.24	2.03	52.3	2.812	8.32	612.31
	9/22/2015	7.23	0.8	-24.5	1.755	17.19	612.88
	4/15/2016	7.45	3.55	187.9	1.459	9.01	613.86
	11/29/2016	7.42	1.06	175.6	1.296	13.98	611.66
	5/16/2018	7.25	6.33	37.3	1.144	11.1	614.20
MW-114	8/18/2011	7.44	0.32	-97.10	1.159	15.69	613.45
	5/28/2014	6.95	4.13	-188.70	1.241	10.72	615.87
	9/29/2014	7.21	0.18	-109.40	0.180	15.73	613.74
	12/4/2014	7.29	0.23	-89.5	0.911	11.28	613.84
	3/25/2015	7.34	0.32	-79.4	1.192	7.05	613.75
	9/22/2015	7.13	0.3	-113.6	1.177	16.35	613.88
	4/15/2016	6.94	4.24	-3.3	1.464	8.12	616.83
	11/28/2016	7.22	0.75	-110.9	0.81	12.68	613.94
	5/16/2018	7.3	-	-36.5	1.102	11.99	616.68
MW-115	8/18/2011	7.48	1.61	-14.00	0.985	17.97	616.45
	5/28/2014	6.37	6.38	-144.70	1.191	9.94	618.18
	9/29/2014	7.07	1.17	105.10	0.808	17.44	616.41
	12/4/2014	7.21	3.55	-15.7	0.715	10.84	616.55
	9/22/2015	7.08	1.98	71.8	0.941	18.06	617.49
	4/15/2016	7.57	5.24	180.7	0.731	8.16	618.41
	11/28/2016	7.17	3.66	85.7	0.731	12.9	617.11
	5/16/2018	7.16	5.67	48.9	0.861	11.56	618.53
MW-116	11/8/2011	6.41	1.44	-25.80	0.776	13.67	613.64
	5/22/2014	6.77	3.18	67.30	0.649	9.32	616.12
	9/23/2014	7.07	0.39	151.00	0.808	15.20	614.46
	12/2/2014	7	0.88	11.1	0.642	10.45	614.79
	9/23/2015	6.86	2.06	45.9	0.993	15.79	615.68
	4/14/2016	7.32	6.16	64.7	0.761	9.11	617.74
	11/29/2016	7.23	1.59	156.2	0.682	13.25	614.68
	5/17/2018	6.97	7.18	124.9	0.529	10.84	619.62

Table 2
Measured Field Parameters
KEP Perimeter Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Milivolts)	Conductivity (Microsiemens/cm)	Temperature (° Celcius)	Groundwater Elevation** (feet msl)
PZ-116	11/8/2011	6.23	0.4	-58.50	1.808	12.23	613.76
	5/22/2014	6.98	0.29	38.50	2.01	11.63	615.72
	9/23/2014	7.11	0.25	165.00	2.05	14.40	614.74
	12/2/2014	7.06	0.24	-79.6	1.714	10.36	614.76
	9/23/2015	6.96	0.26	-104.8	2.46	13.68	614.96
	4/14/2016	7.03	0.99	-41.1	2.564	10.74	616.55
	11/29/2016	6.97	0.75	-102.8	0.792	12.47	614.55
	5/17/2018	6.97	0.4	-27.2	1.838	11.62	617.80
MW-117	5/21/2014	6.91	2.73	42.30	1.237	12.10	614.37
	9/24/2014	7.09	0.61	51.80	1.253	15.94	613.15
	12/4/2014	6.81	0.28	-48.30	1.202	12.6	613.41
	3/24/2015	7.15	2.69	-9.40	1.033	7.71	613.74
	9/23/2015	6.99	0.5	-102.60	1.276	16.55	613.79
	4/14/2016	7.15	1.3	-44.70	1.065	9.52	614.49
	11/29/2016	7.13	0.7	-67.60	0.887	14.58	613.40
	5/17/2018	7.05	3.02	34.20	0.849	11.74	615.71
PZ-117	5/21/2014	6.98	0.11	-12.00	0.882	11.48	615.02
	9/24/2014	7.05	0.43	-44.00	1.501	14.53	613.40
	12/4/2014	6.9	0.48	-33.10	1.188	12.52	613.41
	3/24/2015	7.3	0.54	-44.40	0.443	8.22	613.86
	9/23/2015	6.94	0.3	-116.10	1.635	14.52	613.56
	4/14/2016	7.31	0.54	-18.90	1.692	11	615.18
	11/29/2016	7.49	0.41	-42.70	1.353	13.7	613.19
	5/17/2018	7.05	0.51	-13.50	1.042	12.41	615.73
PZ-118	5/28/2014	6.73	3.17	-201.00	1.702	11.10	615.75
	9/25/2014	7.07	0.11	301.00	5.500	14.80	613.84
	12/5/2014	7.1	0.76	-56.20	1.504	12.69	613.76
	3/25/2015	7.15	1.03	-37.10	2.089	8.66	614.23
	9/22/2015	7	0.24	-95.10	2.050	16.30	614.81
	4/15/2016	7.13	2.52	-60.30	2.198	9.50	616.61
	11/28/2016	7.08	2.55	-3.10	1.404	12.87	613.86
	5/16/2018	7.12	0.88	-59.90	1.292	12.79	616.64

** Groundwater elevations from single day measuring event, rather than sampling date

Table 2
Measured Field Parameters
Jockey Site Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/l)	ORP (Milivolts)	Conductivity (Microsiemens/ cm)	Temperature (° Celcius)	Groundwater Elevation (feet msl)
MW-79	9/30/2014	7.15	0.28	-70.80	3.903	18.80	615.89
	12/5/2016	8.11	0.61	-153.70	3.682	13.15	614.64
	5/19/2018	7.13	0.29	-54.60	3.572	14.61	617.05
MW-80	9/30/2014	7.23	0.17	-115.10	4.412	19.74	618.72
Jockey	12/5/2016	8.16	0.53	-154.40	3.164	13.67	615.85
	5/19/2018	7.51	0.15	-83.20	0.182	14.27	619.74
MW-81	9/30/2014	6.98	0.34	-85.50	2.53	18.36	614.39
Jockey	12/5/2016	7.91	0.64	-137.00	2.67	12.66	613.64
	5/19/2018	7.02	0.38	-47.40	2.558	14.73	616.08
MW-82	9/30/2014	7.06	0.24	-89.20	4.205	19.64	613.9
Jockey	12/5/2016	8.07	0.52	-145.70	4.223	14.17	613.3
	5/19/2018	7.25	0.23	-67.90	3.011	14.82	614.69

Table 3
Detected Volatile Organic Compounds in Groundwater
KEP Perimeter Monitoring Wells and Piezometers

Location	Sample Date	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Bromomethane (ug/L)	Chloroethane (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl chloride (ug/L)
MW-31	5/28/2014	< 2.5	1.9 J	*3.2* J	< 12.2	< 1.9	< 2.5	**79.2**	< 0.87	< 2.5	*28.8*	**499**	< 0.88
	9/25/2014	< 0.5	< 0.24	*1.7* J	< 2.4	< 0.37	< 0.5	**97.8** J	< 0.17	< 0.5	*26.1* J	**63.8** J	< 0.18
	12/3/2014	< 0.5	0.46 J	*2.9*	< 2.4	< 0.37	< 0.5	**106**	< 0.17	< 0.5	*35*	**116**	**0.33** J
	3/24/2015	< 2.5	< 1.2	*2.8* J	< 12.2	< 1.9	< 2.5	**79.8** J	< 0.87	< 2.5	*26.9*	**361**	< 0.88
	11/30/2016	< 1	< 0.48	*2.9*	< 4.9	< 0.75	< 1	**98.6**	< 0.35	< 1	*42.7*	**91.8**	**0.51** J
	5/16/2018	< 5.0	< 2.4	< 4.1	< 2.3	< 3.7	< 5.0	*27*	< 1.7	< 5.0	15.0	**807**	< 1.8
MW-44	5/21/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/23/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/30/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/4/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/30/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-70	11/4/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	0.31 J	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/21/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/23/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/2/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
MW-71	11/4/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/21/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/23/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/2/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/2/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
MW-101	1/23/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/20/2014	0.63 J	0.25 J	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/29/2014	1.2	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/5/2014	0.78 J	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/22/2015	0.99 J	0.42 J	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/15/2016	0.51 J	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/28/2016	0.79 J	0.65 J	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/16/2018	0.86 J	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
	PAL	40	85	0.7	1	80	3	7	12	0.5	20	0.5	0.02
	ES	200	850	7	10	400	30	70	60	5	100	5	0.2

Table 3
Detected Volatile Organic Compounds in Groundwater
KEP Perimeter Monitoring Wells and Piezometers

Location	Sample Date	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Bromomethane (ug/L)	Chloroethane (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl chloride (ug/L)
MW-102	1/26/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	1/26/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/16/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/29/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/4/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	3/25/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/24/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/15/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.23** J
	4/15/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/16/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-102 DUP	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/16/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-103	5/16/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/29/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/4/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/16/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-105	1/24/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	4/16/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/20/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/30/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/5/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/22/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/28/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/16/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-107	7/15/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	9/24/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/4/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	3/25/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/28/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/16/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
	PAL	40	85	0.7	1	80	3	7	12	0.5	20	0.5	0.02
	ES	200	850	7	10	400	30	70	60	5	100	5	0.2

Table 3
Detected Volatile Organic Compounds in Groundwater
KEP Perimeter Monitoring Wells and Piezometers

Location	Sample Date	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Bromomethane (ug/L)	Chloroethane (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl chloride (ug/L)
MW-108	5/21/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/23/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/30/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/4/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/30/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-108 DUP	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-109	6/5/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/23/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/5/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/15/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-110	5/22/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/23/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/5/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-111	5/22/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/23/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/5/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
	PAL	40	85	0.7	1	80	3	7	12	0.5	20	0.5	0.02
	ES	200	850	7	10	400	30	70	60	5	100	5	0.2

Table 3
Detected Volatile Organic Compounds in Groundwater
KEP Perimeter Monitoring Wells and Piezometers

Location	Sample Date	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Bromomethane (ug/L)	Chloroethane (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl chloride (ug/L)
MW-112	11/3/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	1.3	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/21/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/24/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/5/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/22/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/15/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-113	8/18/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/28/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/25/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/5/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	3/25/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/22/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/15/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/16/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-114	8/18/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	0.33 J	*8.7*	0.73 J	< 0.45	< 0.89	**5.5**	**30.4**
	4/9/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	3.1	< 0.61	< 0.45	< 0.89	*0.67* J	**21.1**
	5/28/2014	2.6	1.7	< 0.41	< 2.4	0.55 J	< 0.5	*9.5*	0.21 J	< 0.5	0.61 J	**26.7**	**1.4**
	9/29/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	3.8	< 0.17	< 0.5	< 0.26	< 0.33	**32.1**
	12/4/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	4.9	0.24 J	< 0.5	2.3 J	*0.84* J	**24.8** J
	3/25/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	2.8	0.18 J	< 0.5	0.36 J	< 0.33	**16.7**
	9/22/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	4.8	0.5 J	< 0.5	0.79 J	< 0.33	**19.5**
	4/15/2016	16.1	5.8	*0.82* J	< 2.4	< 0.37	< 0.5	*49*	< 0.17	*1*	5.8	**270**	**5.5**
	11/28/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	3.9	< 0.17	< 0.5	0.75 J	< 0.33	**24**
	5/16/2018	3.3	1.3	< 0.41	< 2.4	< 0.37	< 0.50	3.9	< 0.17	< 0.50	0.57 J	**10.4**	**8.6**
MW-114 DUP	5/28/2014	2.6	1.6	< 0.41	< 2.4	0.55 J	< 0.5	*9.5*	0.24 J	< 0.5	0.62 J	**27.2**	**1.5**
	9/29/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	3.6	< 0.17	< 0.5	0.44 J	< 0.33	**30.6**
	12/4/2014	< 0.5	0.28 J	< 0.41	< 2.4	< 0.37	< 0.5	5.4	< 0.17	< 0.5	0.52 J	*1.2*	**17.8** J
	9/22/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	3.6	0.47 J	< 0.5	< 0.26	< 0.33	**15.3**
	4/15/2016	15.9	5.7	*0.85* J	< 2.4	< 0.37	< 0.5	*49.1*	< 0.17	*1.1*	5.9	**273**	**5.8**
	11/28/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	4	< 0.17	< 0.5	0.69 J	< 0.33	**25.2**
	5/16/2018	3.4	1.3	< 0.41	< 2.4	< 0.37	< 0.50	4.2	< 0.17	< 0.50	0.68 J	**11.5**	**7.8**
	PAL	40	85	0.7	1	80	3	7	12	0.5	20	0.5	0.02
	ES	200	850	7	10	400	30	70	60	5	100	5	0.2

Table 3
Detected Volatile Organic Compounds in Groundwater
KEP Perimeter Monitoring Wells and Piezometers

Location	Sample Date	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Bromomethane (ug/L)	Chloroethane (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl chloride (ug/L)
MW-115	8/18/2011	< 0.9	< 0.75	< 0.57	*1.3*	< 0.97	0.4 J	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	4/9/2012	1.6	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/28/2014	1.2	0.42 J	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/29/2014	0.91 J	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/4/2014	0.71 J	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/22/2015	0.98 J	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/15/2016	0.77 J	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/28/2016	0.71 J	0.27 J	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/16/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
MW-116	11/8/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	4/11/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/22/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/23/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/2/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
PZ-116	11/8/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	4/11/2012	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	< 0.24	< 0.83	< 0.61	< 0.45	< 0.89	< 0.48	< 0.18
	5/22/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/23/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/2/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.3 J**
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.32 J**
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.4 J**
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	**0.76 J**
MW-117	5/21/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	< 0.18
	9/24/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	12/4/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	3/24/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
	PAL	40	85	0.7	1	80	3	7	12	0.5	20	0.5	0.02
	ES	200	850	7	10	400	30	70	60	5	100	5	0.2

Table 3
Detected Volatile Organic Compounds in Groundwater
KEP Perimeter Monitoring Wells and Piezometers

Location	Sample Date	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Bromomethane (ug/L)	Chloroethane (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloroethene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl chloride (ug/L)
PZ-117	5/21/2014	< 0.5	< 0.18	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.24	< 0.33	**0.64** J
	9/24/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.95** J
	12/4/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.95** J
	3/24/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	< 0.18
	9/23/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.66** J
	4/14/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.51** J
	11/29/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	< 0.26	< 0.17	< 0.5	< 0.26	< 0.33	**0.29** J
	5/17/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	< 0.26	< 0.17	< 0.50	< 0.26	< 0.33	< 0.18
PZ-118	5/28/2014	< 0.5	0.41 J	0.65 J	< 2.4	< 0.37	< 0.5	**295**	< 0.17	< 0.5	2.3	< 0.33	**92.3**
	9/25/2014	< 0.5	0.39 J	< 0.41	< 2.4	< 0.37	< 0.5	**134**	< 0.17	< 0.5	1.6	< 0.33	**192**
	12/5/2014	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	*21.4*	< 0.17	< 0.5	0.81 J	< 0.33	**62.8**
	3/25/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	*20.4*	< 0.17	< 0.5	< 0.26	< 0.33	**48.1**
	9/22/2015	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	*21.5*	< 0.17	< 0.5	< 0.26	< 0.33	**37.2**
	4/15/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	*8.9*	< 0.17	< 0.5	0.31 J	< 0.33	**14.6**
	11/28/2016	< 0.5	< 0.24	< 0.41	< 2.4	< 0.37	< 0.5	*10.4*	< 0.17	< 0.5	0.78 J	< 0.33	**5.4**
	5/16/2018	< 0.50	< 0.24	< 0.41	< 2.4	< 0.37	< 0.50	4.7	< 0.17	< 0.50	< 0.26	< 0.33	**22.1**
	PAL	40	85	0.7	1	80	3	7	12	0.5	20	0.5	0.02
	ES	200	850	7	10	400	30	70	60	5	100	5	0.2

Notes:

ug/L = micrograms per liter

J = Estimated value

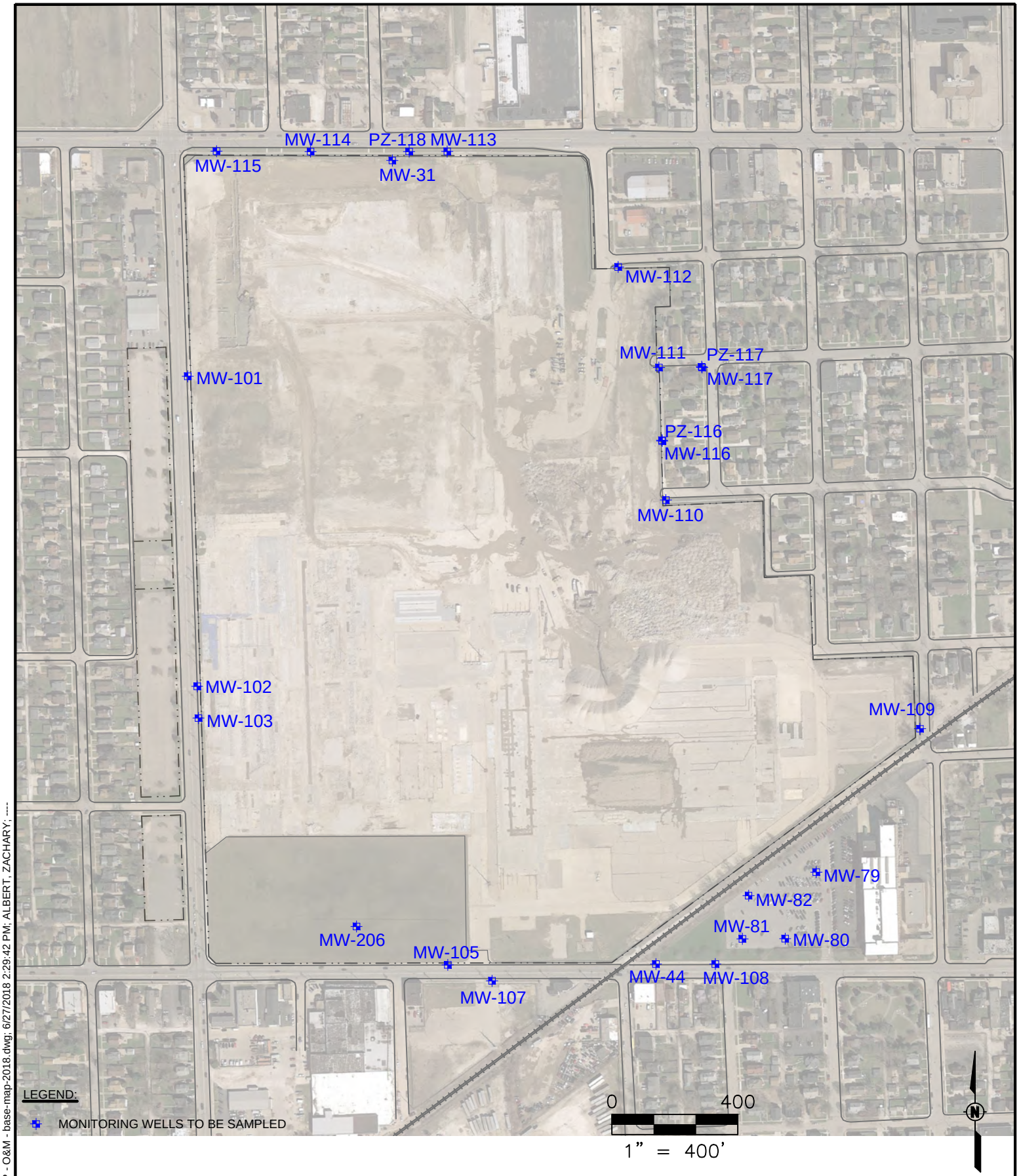
PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2017 exceedances are *underlined italics*.

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

Table 3
Detected Volatile Organic Compounds in Groundwater
Jockey Site Monitoring Wells

Location	Sample Date	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Benzene (ug/L)	Chloroethane (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Isopropylbenzene (Cumene) (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	Naphthalene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	trans-1,2-Dichloroethene (ug/L)	Trichloroethene (ug/L)	Vinyl chloride (ug/L)
MW-79 (Jockey)	8/21/2008	NPD	NPD	NPD	NPD	NPD	<0.20	NPD	NPD	<1.0	NPD	NPD	NPD	NPD	NPD	<0.45	<0.32	<0.30
	10/6/2008	NPD	NPD	NPD	NPD	NPD	<0.20	NPD	NPD	<1.0	NPD	NPD	NPD	NPD	NPD	<0.45	<0.32	<0.30
	9/30/2014	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	< 0.26	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	< 0.26	< 0.33	< 0.18
	12/9/2014	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	< 0.26	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	< 0.26	< 0.33	< 0.18
	3/25/2015	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	< 0.26	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.24	< 0.41	< 0.50	< 0.37	< 0.50	< 0.26	< 0.50	< 0.14	< 0.23	< 0.50	< 0.50	< 2.5	< 0.50	< 2.2	< 0.26	< 0.33	< 0.18
MW-80 (Jockey)	8/21/2008	NPD	NPD	NPD	NPD	NPD	<0.20	NPD	NPD	<1.0	NPD	NPD	NPD	NPD	NPD	<0.45	<0.32	<0.30
	10/6/2008	NPD	NPD	NPD	NPD	NPD	<0.20	NPD	NPD	<1.0	NPD	NPD	NPD	NPD	NPD	<0.45	<0.32	<0.30
	9/30/2014	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	0.48 J	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	< 0.26	0.4 J	< 0.18
	12/9/2014	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	< 0.26	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	< 0.26	< 0.33	< 0.18
	3/25/2015	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	< 0.26	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	< 0.26	< 0.33	< 0.18
	5/17/2018	< 0.24	< 0.41	< 0.50	< 0.37	< 0.50	< 0.26	< 0.50	< 0.14	< 0.23	< 0.50	< 0.50	< 2.5	< 0.50	< 2.2	< 0.26	< 0.33	< 0.18
MW-81 (Jockey)	8/21/2008	NPD	NPD	NPD	NPD	NPD	**71.1**	NPD	NPD	<1.0	NPD	NPD	NPD	NPD	NPD	14.5	*1.3*	**15.8**
	10/6/2008	NPD	NPD	NPD	NPD	NPD	*45.5*	NPD	NPD	<1.0	NPD	NPD	NPD	NPD	NPD	14.6	<0.32	**12**
	9/30/2014	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	*29.5*	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	3.8	< 0.33	**2.8**
	12/9/2014	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	*14.4*	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	1.7	< 0.33	**1.6**
	3/25/2015	< 0.24	< 0.41	< 0.5	< 0.37	< 0.5	*9.6*	< 0.5	< 0.14	< 0.23	< 0.5	< 0.5	< 2.5	< 0.5	< 2.2	2.5	< 0.33	**6.1**
	5/17/2018	< 0.24	< 0.41	< 0.50	< 0.37	< 0.50	2.0	< 0.50	< 0.14	< 0.23	< 0.50	< 0.50	< 2.5	< 0.50	< 2.2	< 0.26	< 0.33	< 0.18
MW-82 (Jockey)	8/21/2008	NPD	NPD	NPD	NPD	NPD	**1970**	NPD	NPD	<50	NPD	NPD	NPD	NPD	NPD	*75.3*	**4,670**	**62.6**
	10/6/2008	NPD	NPD	NPD	NPD	NPD	**1650**	NPD	NPD	**88.8**	NPD	NPD	NPD	NPD	NPD	*61.3*	**2,970**	**35.8**
	9/30/2014	< 24.2	< 41	< 50	< 37.5	< 50	**1350**	< 50	< 14.3	< 23.3	< 50	< 50	< 250	< 50	< 219	*84* J	**8,100**	**75.9** J
	12/9/2014	< 24.2	< 41	< 50	< 37.5	< 50	**1170**	< 50	< 14.3	< 23.3	< 50	< 50	< 250	< 50	< 219	*74.8* J	**8,300**	**58.4** J
	3/25/2015	< 9.7	< 16.4	< 20	< 15	< 20	**691**	< 20	< 5.7	< 9.3	< 20	< 20	< 100	< 20	< 87.4	*38.7* J	**2,670**	**27.6** J
	5/17/2018	< 2.4	< 4.1	< 5.0	< 3.7	< 5.0	**561**	< 5.0	< 1.4	< 2.3	< 5.0	< 5.0	< 25.0	< 5.0	< 21.9	*42.3*	**304**	**7.5** J
	PAL	85	0.7	0.5	80	3	7	140	--	0.5	--	--	10	--	--	20	0.5	0.02
	ES	850	7	5	400	30	70	700	--	5	--	--	100	--	--	100	5	0.2

Notes:
ug/L = micrograms per liter
J = Estimated value - see data validation memo
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**.
-- = PAL or ES not established
NPD = Not previously detected



AECOM
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Milwaukee, WI 53212
414.944.6080
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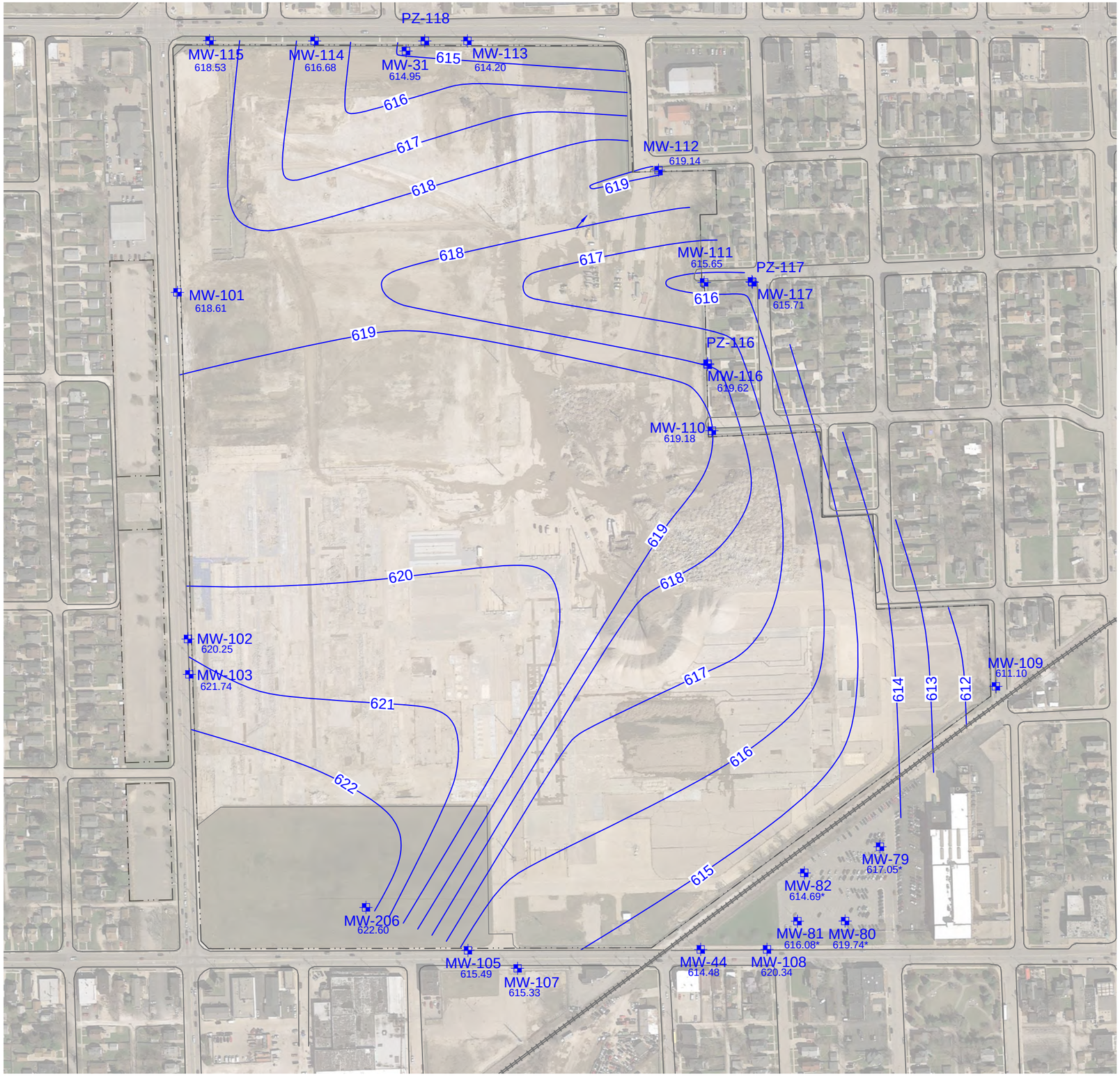
MONITORING WELL LOCATION MAP
KENOSHA ENGINE PLANT
CITY OF KENOSHA
KENOSHA, WISCONSIN

Drawn :	ZPA	6/27/2018
Checked:	SAE	6/27/2018
Approved:	LLA	6/27/2018
PROJECT NUMBER	60485212	
FIGURE NUMBER	1	

P:\60485212\900_Work\CADD\KEP - O&M - base-map-2018.dwg; 6/27/2018 2:29:42 PM; ALBERT, ZACHARY; ----



LEGEND

- APPROXIMATE SITE BOUNDARY
- RAILROAD
- EXISTING FENCE
- PERIMETER MONITORING WELL LOCATIONS
- 617 WATER TABLE CONTOURS
- * WELLS LOCATED SOUTHEAST OF THE RAILROAD TRACKS (SOUTHEAST OF KEP) ARE UNDER THE INFLUANCE OF THE SOUTHERN GROUNDWATER RECOVERY SYSTEM AND ARE NOT INCLUDED IN THE CONTOURS BECAUSE WATER LEVELS ADJACENT TO THE RECOVERY SYSTEM WERE NOT MEASURED.

NOTES

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/5/2017.

N

0' 300' 600'

SCALE

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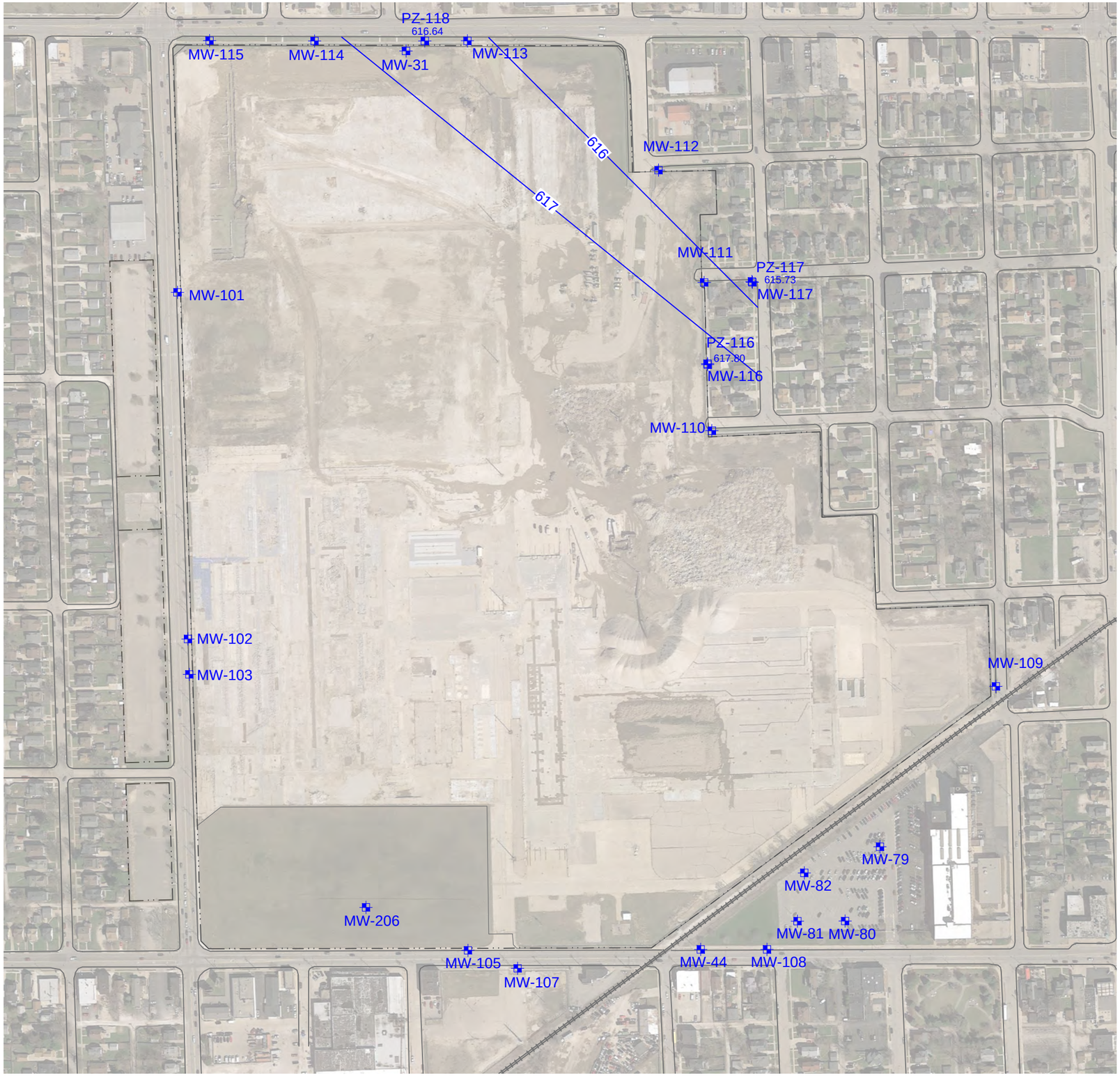
POTENTIOMETRIC SURFACE PERIMETER WATER TABLE MONITORING WELLS - MAY 2018

KENOSHA ENGINE PLANT
CITY OF KENOSHA
KENOSHA, WISCONSIN

Drawn :	ZPA	6/27/2018
Checked:	SAE	6/27/2018
Approved:	LLA	6/27/2018
PROJECT NUMBER	60485212	
FIGURE NUMBER	2	



LEGEND

- APPROXIMATE SITE BOUNDARY
- RAILROAD
- EXISTING FENCE
- PERIMETER PIEZOMETER LOCATIONS
- 617 WATER TABLE CONTOURS

NOTES

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/5/2017.

0' 300' 600'

SCALE

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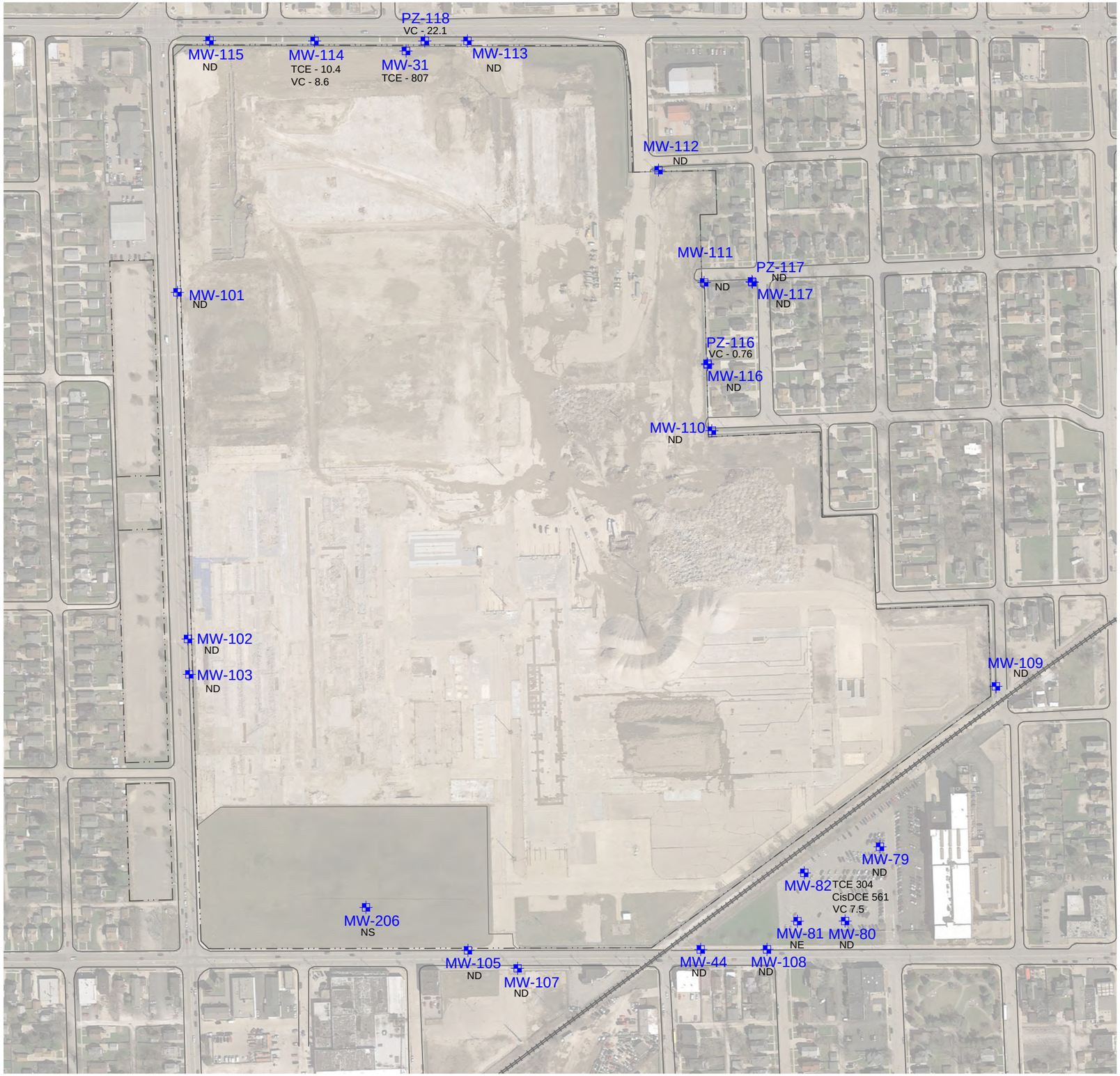
POTENTIOMETRIC SURFACE PERIMETER PIEZOMETERS - MAY 2018

KENOSHA ENGINE PLANT
CITY OF KENOSHA
KENOSHA, WISCONSIN

Drawn :	ZPA	6/27/2018
Checked:	SAE	6/27/2018
Approved:	LLA	6/27/2018
PROJECT NUMBER	60485212	
FIGURE NUMBER	3	



LEGEND

	APPROXIMATE SITE BOUNDARY
	RAILROAD
	EXISTING FENCE
	PERIMETER MONITORING WELL LOCATIONS - results below well name
NS	NOT SAMPLED
ND	NO DETECT
NE	NO RCL EXCEEDANCE
TCE	TRICHLORETHENE
CisDCE	CIS-1,2-DICHLOROETHENE
VC	VINYL CHLORIDE
J	ESTIMATED CONCENTRATION BELOW REPORTING LIMIT

NOTES

1. AERIAL PHOTOGRAPH FROM GOOGLE EARTH PRO, IMAGE DATED 4/6/2017; DOWNLOADED ON 6/5/2017.
2. RESULTS REPORTED IN MICROGRAMS/LITER (UG/L)

N

0' 300' 600'

SCALE

AECOM
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Milwaukee, WI 53212
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www.aecom.com

VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUNDWATER ABOVE ENFORCEMENT STANDARDS - MAY 2018

KENOSHA ENGINE PLANT
CITY OF KENOSHA
KENOSHA, WISCONSIN

Drawn :	ZPA	6/27/2018
Checked:	SAE	6/27/2018
Approved:	LLA	6/27/2018
PROJECT NUMBER	60485212	
FIGURE NUMBER	4	

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 24, 2018

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

RE: Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Dear Lanette Altenbach:
Enclosed are the analytical results for sample(s) received by the laboratory on May 19, 2018. 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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

CERTIFICATIONS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Green Bay Certification IDs

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

Pace Analytical Services, LLC
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(920)469-2436

SAMPLE SUMMARY

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40169485001	**TRIP BLANK**	Water	05/16/18 08:00	05/19/18 09:20
40169485002	**MW-105**	Water	05/16/18 11:50	05/19/18 09:20
40169485003	**MW-107**	Water	05/16/18 12:06	05/19/18 09:20
40169485004	**MW-102**	Water	05/16/18 12:48	05/19/18 09:20
40169485005	**MW-102-DUP**	Water	05/16/18 12:48	05/19/18 09:20
40169485006	**MW-103**	Water	05/16/18 12:56	05/19/18 09:20
40169485007	**MW-115**	Water	05/16/18 14:11	05/19/18 09:20
40169485008	**MW-101**	Water	05/16/18 14:19	05/19/18 09:20
40169485009	**PZ-118**	Water	05/16/18 15:22	05/19/18 09:20
40169485010	**MW-114**	Water	05/16/18 15:35	05/19/18 09:20
40169485011	**MW-114-DUP**	Water	05/16/18 15:35	05/19/18 09:20
40169485012	**MW-113**	Water	05/16/18 16:33	05/19/18 09:20
40169485013	**MW-31**	Water	05/16/18 16:53	05/19/18 09:20
40169485014	**MW-112**	Water	05/17/18 09:05	05/19/18 09:20
40169485015	**MW-111**	Water	05/17/18 09:23	05/19/18 09:20
40169485016	**MW-117**	Water	05/17/18 10:06	05/19/18 09:20
40169485017	**PZ-117**	Water	05/17/18 10:20	05/19/18 09:20
40169485018	**MW-116**	Water	05/17/18 11:05	05/19/18 09:20
40169485019	**PZ-116**	Water	05/17/18 11:19	05/19/18 09:20
40169485020	**MW-110**	Water	05/17/18 11:51	05/19/18 09:20
40169485021	**MW-109**	Water	05/17/18 12:08	05/19/18 09:20
40169485022	**MW-44**	Water	05/17/18 12:56	05/19/18 09:20
40169485023	**MW-108**	Water	05/17/18 13:08	05/19/18 09:20
40169485024	**MW-108-DUP**	Water	05/17/18 13:08	05/19/18 09:20
40169485025	**MW-81**	Water	05/17/18 14:05	05/19/18 09:20
40169485026	**MW-80**	Water	05/17/18 14:19	05/19/18 09:20
40169485027	**MW-79**	Water	05/17/18 15:09	05/19/18 09:20
40169485028	**MW-82**	Water	05/17/18 15:26	05/19/18 09:20

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SAMPLE ANALYTE COUNT

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40169485001	TRIP BLANK	EPA 8260	MDS	63	PASI-G
40169485002	MW-105	EPA 8260	MDS	63	PASI-G
40169485003	MW-107	EPA 8260	MDS	63	PASI-G
40169485004	MW-102	EPA 8260	MDS	63	PASI-G
40169485005	MW-102-DUP	EPA 8260	MDS	63	PASI-G
40169485006	MW-103	EPA 8260	MDS	63	PASI-G
40169485007	MW-115	EPA 8260	MDS	63	PASI-G
40169485008	MW-101	EPA 8260	MDS	63	PASI-G
40169485009	PZ-118	EPA 8260	MDS	63	PASI-G
40169485010	MW-114	EPA 8260	MDS	63	PASI-G
40169485011	MW-114-DUP	EPA 8260	MDS	63	PASI-G
40169485012	MW-113	EPA 8260	MDS	63	PASI-G
40169485013	MW-31	EPA 8260	MDS	63	PASI-G
40169485014	MW-112	EPA 8260	MDS	63	PASI-G
40169485015	MW-111	EPA 8260	MDS	63	PASI-G
40169485016	MW-117	EPA 8260	MDS	63	PASI-G
40169485017	PZ-117	EPA 8260	MDS	63	PASI-G
40169485018	MW-116	EPA 8260	MDS	63	PASI-G
40169485019	PZ-116	EPA 8260	MDS	63	PASI-G
40169485020	MW-110	EPA 8260	MDS	63	PASI-G
40169485021	MW-109	EPA 8260	MDS	63	PASI-G
40169485022	MW-44	EPA 8260	MDS	63	PASI-G
40169485023	MW-108	EPA 8260	MDS	63	PASI-G
40169485024	MW-108-DUP	EPA 8260	MDS	63	PASI-G
40169485025	MW-81	EPA 8260	MDS	63	PASI-G
40169485026	MW-80	EPA 8260	MDS	63	PASI-G
40169485027	MW-79	EPA 8260	MDS	63	PASI-G
40169485028	MW-82	EPA 8260	MDS	63	PASI-G

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SUMMARY OF DETECTION

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40169485008	**MW-101**					
EPA 8260	1,1,1-Trichloroethane	0.86J	ug/L	1.0	05/22/18 15:16	
40169485009	**PZ-118**					
EPA 8260	cis-1,2-Dichloroethene	4.7	ug/L	1.0	05/22/18 15:37	
EPA 8260	Vinyl chloride	22.1	ug/L	1.0	05/22/18 15:37	
40169485010	**MW-114**					
EPA 8260	1,1-Dichloroethane	1.3	ug/L	1.0	05/22/18 15:59	
EPA 8260	cis-1,2-Dichloroethene	3.9	ug/L	1.0	05/22/18 15:59	
EPA 8260	trans-1,2-Dichloroethene	0.57J	ug/L	1.0	05/22/18 15:59	
EPA 8260	1,1,1-Trichloroethane	3.3	ug/L	1.0	05/22/18 15:59	
EPA 8260	Trichloroethene	10.4	ug/L	1.0	05/22/18 15:59	
EPA 8260	Vinyl chloride	8.6	ug/L	1.0	05/22/18 15:59	
40169485011	**MW-114-DUP**					
EPA 8260	1,1-Dichloroethane	1.3	ug/L	1.0	05/22/18 16:21	
EPA 8260	cis-1,2-Dichloroethene	4.2	ug/L	1.0	05/22/18 16:21	
EPA 8260	trans-1,2-Dichloroethene	0.68J	ug/L	1.0	05/22/18 16:21	
EPA 8260	1,1,1-Trichloroethane	3.4	ug/L	1.0	05/22/18 16:21	
EPA 8260	Trichloroethene	11.5	ug/L	1.0	05/22/18 16:21	
EPA 8260	Vinyl chloride	7.8	ug/L	1.0	05/22/18 16:21	
40169485013	**MW-31**					
EPA 8260	cis-1,2-Dichloroethene	27.0	ug/L	10.0	05/22/18 19:58	
EPA 8260	trans-1,2-Dichloroethene	15.0	ug/L	10.0	05/22/18 19:58	
EPA 8260	Trichloroethene	807	ug/L	10.0	05/22/18 19:58	
40169485019	**PZ-116**					
EPA 8260	Vinyl chloride	0.76J	ug/L	1.0	05/22/18 18:53	
40169485025	**MW-81**					
EPA 8260	cis-1,2-Dichloroethene	2.0	ug/L	1.0	05/23/18 17:44	
40169485028	**MW-82**					
EPA 8260	cis-1,2-Dichloroethene	561	ug/L	10.0	05/23/18 18:49	
EPA 8260	trans-1,2-Dichloroethene	42.3	ug/L	10.0	05/23/18 18:49	
EPA 8260	Trichloroethene	304	ug/L	10.0	05/23/18 18:49	
EPA 8260	Vinyl chloride	7.5J	ug/L	10.0	05/23/18 18:49	

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: TRIP BLANK **Lab ID: 40169485001** Collected: 05/16/18 08:00 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:06	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 13:06	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 13:06	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:06	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:06	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 13:06	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 13:06	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 13:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:06	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:06	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 13:06	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 13:06	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 13:06	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 13:06	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 13:06	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 13:06	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 13:06	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:06	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 13:06	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 13:06	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:06	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 13:06	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 13:06	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:06	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 13:06	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 13:06	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:06	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: TRIP BLANK **Lab ID: 40169485001** Collected: 05/16/18 08:00 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 13:06	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 13:06	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:06	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 13:06	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 13:06	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:06	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:06	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:06	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 13:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		1		05/22/18 13:06	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		05/22/18 13:06	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/22/18 13:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-105 **Lab ID: 40169485002** Collected: 05/16/18 11:50 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 19:37	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 19:37	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 19:37	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 19:37	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:37	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 19:37	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 19:37	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 19:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 19:37	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:37	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 19:37	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 19:37	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 19:37	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 19:37	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 19:37	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 19:37	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 19:37	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 19:37	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 19:37	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 19:37	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 19:37	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 19:37	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 19:37	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 19:37	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 19:37	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 19:37	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:37	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-105 **Lab ID: 40169485002** Collected: 05/16/18 11:50 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 19:37	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 19:37	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 19:37	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 19:37	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 19:37	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:37	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:37	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:37	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 19:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		05/22/18 19:37	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		05/22/18 19:37	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/22/18 19:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-107 **Lab ID: 40169485003** Collected: 05/16/18 12:06 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:27	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 13:27	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 13:27	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:27	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:27	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 13:27	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 13:27	67-66-3	M1
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 13:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:27	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:27	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 13:27	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 13:27	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 13:27	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 13:27	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 13:27	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 13:27	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 13:27	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:27	78-87-5	L1,M0
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 13:27	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 13:27	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:27	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 13:27	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 13:27	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:27	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 13:27	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 13:27	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:27	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-107 **Lab ID: 40169485003** Collected: 05/16/18 12:06 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 13:27	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 13:27	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:27	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 13:27	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 13:27	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:27	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:27	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:27	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 13:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		05/22/18 13:27	460-00-4	
Dibromofluoromethane (S)	122	%	67-130		1		05/22/18 13:27	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/22/18 13:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-102 **Lab ID: 40169485004** Collected: 05/16/18 12:48 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:49	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 13:49	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 13:49	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:49	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:49	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 13:49	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 13:49	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 13:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:49	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:49	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 13:49	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 13:49	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 13:49	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 13:49	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 13:49	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 13:49	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 13:49	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:49	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 13:49	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 13:49	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:49	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 13:49	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 13:49	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 13:49	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 13:49	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 13:49	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:49	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-102 **Lab ID: 40169485004** Collected: 05/16/18 12:48 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 13:49	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 13:49	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 13:49	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 13:49	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 13:49	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:49	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 13:49	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 13:49	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 13:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/22/18 13:49	460-00-4	
Dibromofluoromethane (S)	119	%	67-130		1		05/22/18 13:49	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/22/18 13:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-102-DUP **Lab ID: 40169485005** Collected: 05/16/18 12:48 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:10	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 14:10	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 14:10	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:10	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:10	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 14:10	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 14:10	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 14:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:10	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:10	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 14:10	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 14:10	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 14:10	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 14:10	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 14:10	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 14:10	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 14:10	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:10	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 14:10	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 14:10	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:10	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 14:10	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 14:10	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:10	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 14:10	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 14:10	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:10	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-102-DUP **Lab ID: 40169485005** Collected: 05/16/18 12:48 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 14:10	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 14:10	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:10	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 14:10	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 14:10	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:10	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:10	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:10	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 14:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		05/22/18 14:10	460-00-4	
Dibromofluoromethane (S)	115	%	67-130		1		05/22/18 14:10	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/22/18 14:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-103 **Lab ID: 40169485006** Collected: 05/16/18 12:56 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:32	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 14:32	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 14:32	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:32	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:32	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 14:32	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 14:32	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 14:32	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:32	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:32	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 14:32	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 14:32	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 14:32	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 14:32	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 14:32	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 14:32	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 14:32	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:32	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 14:32	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 14:32	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:32	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 14:32	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 14:32	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:32	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 14:32	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 14:32	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:32	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-103 **Lab ID: 40169485006** Collected: 05/16/18 12:56 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 14:32	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 14:32	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:32	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 14:32	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 14:32	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:32	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:32	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:32	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 14:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/22/18 14:32	460-00-4	
Dibromofluoromethane (S)	122	%	67-130		1		05/22/18 14:32	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/22/18 14:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-115 **Lab ID: 40169485007** Collected: 05/16/18 14:11 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:54	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 14:54	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 14:54	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:54	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:54	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 14:54	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 14:54	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 14:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:54	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:54	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 14:54	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 14:54	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 14:54	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 14:54	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 14:54	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 14:54	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 14:54	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:54	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 14:54	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 14:54	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:54	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 14:54	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 14:54	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 14:54	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 14:54	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 14:54	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:54	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-115 **Lab ID: 40169485007** Collected: 05/16/18 14:11 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 14:54	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 14:54	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 14:54	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 14:54	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 14:54	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:54	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 14:54	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 14:54	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 14:54	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/22/18 14:54	460-00-4	
Dibromofluoromethane (S)	120	%	67-130		1		05/22/18 14:54	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/22/18 14:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-101 **Lab ID: 40169485008** Collected: 05/16/18 14:19 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:16	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 15:16	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 15:16	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:16	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:16	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 15:16	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 15:16	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 15:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:16	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:16	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 15:16	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 15:16	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 15:16	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 15:16	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 15:16	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 15:16	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 15:16	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:16	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 15:16	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 15:16	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:16	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 15:16	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 15:16	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:16	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 15:16	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 15:16	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:16	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-101 **Lab ID: 40169485008** Collected: 05/16/18 14:19 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 15:16	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 15:16	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:16	120-82-1	
1,1,1-Trichloroethane	**0.86J**	ug/L	1.0	0.50	1		05/22/18 15:16	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 15:16	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 15:16	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:16	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:16	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:16	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 15:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		05/22/18 15:16	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		05/22/18 15:16	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/22/18 15:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: PZ-118 **Lab ID: 40169485009** Collected: 05/16/18 15:22 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:37	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 15:37	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 15:37	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:37	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:37	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 15:37	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 15:37	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 15:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:37	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:37	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 15:37	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 15:37	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 15:37	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 15:37	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 15:37	75-35-4	
cis-1,2-Dichloroethene	**4.7**	ug/L	1.0	0.26	1		05/22/18 15:37	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 15:37	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:37	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 15:37	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 15:37	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:37	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 15:37	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 15:37	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:37	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 15:37	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 15:37	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:37	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: PZ-118 **Lab ID: 40169485009** Collected: 05/16/18 15:22 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 15:37	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 15:37	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:37	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 15:37	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 15:37	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:37	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:37	108-67-8	
Vinyl chloride	**22.1**	ug/L	1.0	0.18	1		05/22/18 15:37	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 15:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		1		05/22/18 15:37	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		05/22/18 15:37	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/22/18 15:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-114 **Lab ID: 40169485010** Collected: 05/16/18 15:35 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:59	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 15:59	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 15:59	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:59	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:59	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 15:59	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 15:59	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 15:59	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:59	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:59	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 15:59	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 15:59	75-71-8	
1,1-Dichloroethane	**1.3**	ug/L	1.0	0.24	1		05/22/18 15:59	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 15:59	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 15:59	75-35-4	
cis-1,2-Dichloroethene	**3.9**	ug/L	1.0	0.26	1		05/22/18 15:59	156-59-2	
trans-1,2-Dichloroethene	**0.57J**	ug/L	1.0	0.26	1		05/22/18 15:59	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:59	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 15:59	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 15:59	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:59	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 15:59	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 15:59	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 15:59	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 15:59	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 15:59	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:59	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-114 **Lab ID: 40169485010** Collected: 05/16/18 15:35 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 15:59	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 15:59	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 15:59	120-82-1	
1,1,1-Trichloroethane	**3.3**	ug/L	1.0	0.50	1		05/22/18 15:59	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 15:59	79-00-5	
Trichloroethene	**10.4**	ug/L	1.0	0.33	1		05/22/18 15:59	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 15:59	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 15:59	108-67-8	
Vinyl chloride	**8.6**	ug/L	1.0	0.18	1		05/22/18 15:59	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 15:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/22/18 15:59	460-00-4	
Dibromofluoromethane (S)	120	%	67-130		1		05/22/18 15:59	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/22/18 15:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-114-DUP **Lab ID: 40169485011** Collected: 05/16/18 15:35 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 16:21	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 16:21	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 16:21	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 16:21	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:21	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 16:21	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 16:21	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 16:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 16:21	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:21	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 16:21	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 16:21	75-71-8	
1,1-Dichloroethane	**1.3**	ug/L	1.0	0.24	1		05/22/18 16:21	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 16:21	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 16:21	75-35-4	
cis-1,2-Dichloroethene	**4.2**	ug/L	1.0	0.26	1		05/22/18 16:21	156-59-2	
trans-1,2-Dichloroethene	**0.68J**	ug/L	1.0	0.26	1		05/22/18 16:21	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 16:21	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 16:21	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 16:21	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 16:21	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 16:21	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 16:21	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 16:21	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 16:21	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 16:21	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:21	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-114-DUP **Lab ID: 40169485011** Collected: 05/16/18 15:35 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 16:21	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 16:21	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 16:21	120-82-1	
1,1,1-Trichloroethane	**3.4**	ug/L	1.0	0.50	1		05/22/18 16:21	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 16:21	79-00-5	
Trichloroethene	**11.5**	ug/L	1.0	0.33	1		05/22/18 16:21	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:21	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:21	108-67-8	
Vinyl chloride	**7.8**	ug/L	1.0	0.18	1		05/22/18 16:21	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 16:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		05/22/18 16:21	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		05/22/18 16:21	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/22/18 16:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-113 **Lab ID: 40169485012** Collected: 05/16/18 16:33 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 16:43	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 16:43	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 16:43	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 16:43	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:43	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 16:43	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 16:43	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 16:43	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 16:43	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:43	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 16:43	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 16:43	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 16:43	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 16:43	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 16:43	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 16:43	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 16:43	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 16:43	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 16:43	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 16:43	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 16:43	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 16:43	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 16:43	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 16:43	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 16:43	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 16:43	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:43	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-113 **Lab ID: 40169485012** Collected: 05/16/18 16:33 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 16:43	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 16:43	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 16:43	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 16:43	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 16:43	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:43	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 16:43	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 16:43	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 16:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		05/22/18 16:43	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		05/22/18 16:43	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/22/18 16:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-31 **Lab ID: 40169485013** Collected: 05/16/18 16:53 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		05/22/18 19:58	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		05/22/18 19:58	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		05/22/18 19:58	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		05/22/18 19:58	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		05/22/18 19:58	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		05/22/18 19:58	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		05/22/18 19:58	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		05/22/18 19:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		05/22/18 19:58	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		05/22/18 19:58	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		05/22/18 19:58	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		05/22/18 19:58	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		05/22/18 19:58	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		05/22/18 19:58	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		05/22/18 19:58	75-35-4	
cis-1,2-Dichloroethene	**27.0**	ug/L	10.0	2.6	10		05/22/18 19:58	156-59-2	
trans-1,2-Dichloroethene	**15.0**	ug/L	10.0	2.6	10		05/22/18 19:58	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		05/22/18 19:58	78-87-5	L1
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		05/22/18 19:58	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		05/22/18 19:58	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		05/22/18 19:58	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		05/22/18 19:58	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		05/22/18 19:58	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		05/22/18 19:58	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		05/22/18 19:58	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		05/22/18 19:58	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		05/22/18 19:58	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-31 **Lab ID: 40169485013** Collected: 05/16/18 16:53 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		05/22/18 19:58	79-34-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		05/22/18 19:58	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		05/22/18 19:58	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		05/22/18 19:58	79-00-5	
Trichloroethene	**807**	ug/L	10.0	3.3	10		05/22/18 19:58	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		05/22/18 19:58	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/22/18 19:58	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		05/22/18 19:58	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		05/22/18 19:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		10		05/22/18 19:58	460-00-4	
Dibromofluoromethane (S)	121	%	67-130		10		05/22/18 19:58	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		05/22/18 19:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-112 **Lab ID: 40169485014** Collected: 05/17/18 09:05 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:04	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 17:04	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 17:04	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:04	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:04	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 17:04	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 17:04	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 17:04	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:04	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:04	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 17:04	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 17:04	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 17:04	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 17:04	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 17:04	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 17:04	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 17:04	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:04	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 17:04	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 17:04	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:04	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 17:04	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 17:04	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:04	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 17:04	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 17:04	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:04	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-112 **Lab ID: 40169485014** Collected: 05/17/18 09:05 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 17:04	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 17:04	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:04	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 17:04	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 17:04	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:04	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:04	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:04	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 17:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/22/18 17:04	460-00-4	
Dibromofluoromethane (S)	121	%	67-130		1		05/22/18 17:04	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/22/18 17:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-111 **Lab ID: 40169485015** Collected: 05/17/18 09:23 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:26	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 17:26	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 17:26	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:26	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:26	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 17:26	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 17:26	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 17:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:26	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:26	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 17:26	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 17:26	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 17:26	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 17:26	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 17:26	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 17:26	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 17:26	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:26	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 17:26	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 17:26	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:26	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 17:26	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 17:26	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:26	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 17:26	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 17:26	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:26	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-111 **Lab ID: 40169485015** Collected: 05/17/18 09:23 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 17:26	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 17:26	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:26	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 17:26	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 17:26	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:26	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:26	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:26	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 17:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		05/22/18 17:26	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		05/22/18 17:26	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/22/18 17:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-117 **Lab ID: 40169485016** Collected: 05/17/18 10:06 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:48	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 17:48	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 17:48	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:48	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:48	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 17:48	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 17:48	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 17:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:48	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:48	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 17:48	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 17:48	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 17:48	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 17:48	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 17:48	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 17:48	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 17:48	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:48	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 17:48	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 17:48	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:48	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 17:48	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 17:48	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 17:48	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 17:48	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 17:48	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:48	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-117 **Lab ID: 40169485016** Collected: 05/17/18 10:06 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 17:48	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 17:48	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 17:48	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 17:48	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 17:48	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:48	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 17:48	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 17:48	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 17:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		05/22/18 17:48	460-00-4	
Dibromofluoromethane (S)	120	%	67-130		1		05/22/18 17:48	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/22/18 17:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: PZ-117 **Lab ID: 40169485017** Collected: 05/17/18 10:20 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:09	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 18:09	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 18:09	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:09	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:09	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 18:09	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 18:09	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 18:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:09	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:09	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 18:09	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 18:09	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 18:09	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 18:09	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 18:09	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 18:09	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 18:09	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:09	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 18:09	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 18:09	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:09	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 18:09	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 18:09	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:09	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 18:09	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 18:09	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:09	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: PZ-117 **Lab ID: 40169485017** Collected: 05/17/18 10:20 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 18:09	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 18:09	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:09	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 18:09	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 18:09	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:09	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:09	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:09	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 18:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		05/22/18 18:09	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		05/22/18 18:09	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/22/18 18:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-116 **Lab ID: 40169485018** Collected: 05/17/18 11:05 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:31	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 18:31	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 18:31	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:31	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:31	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 18:31	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 18:31	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 18:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:31	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:31	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 18:31	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 18:31	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 18:31	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 18:31	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 18:31	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 18:31	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 18:31	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:31	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 18:31	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 18:31	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:31	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 18:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 18:31	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:31	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 18:31	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 18:31	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:31	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-116 **Lab ID: 40169485018** Collected: 05/17/18 11:05 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 18:31	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 18:31	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:31	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 18:31	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 18:31	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:31	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:31	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:31	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 18:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/22/18 18:31	460-00-4	
Dibromofluoromethane (S)	122	%	67-130		1		05/22/18 18:31	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/22/18 18:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: PZ-116 **Lab ID: 40169485019** Collected: 05/17/18 11:19 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:53	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 18:53	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 18:53	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:53	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:53	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 18:53	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 18:53	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 18:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:53	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:53	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 18:53	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 18:53	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 18:53	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 18:53	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 18:53	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 18:53	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 18:53	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:53	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 18:53	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 18:53	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:53	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 18:53	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 18:53	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 18:53	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 18:53	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 18:53	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:53	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: PZ-116 **Lab ID: 40169485019** Collected: 05/17/18 11:19 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 18:53	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 18:53	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 18:53	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 18:53	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 18:53	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 18:53	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 18:53	108-67-8	
Vinyl chloride	**0.76J**	ug/L	1.0	0.18	1		05/22/18 18:53	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 18:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/22/18 18:53	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		05/22/18 18:53	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/22/18 18:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-110 **Lab ID: 40169485020** Collected: 05/17/18 11:51 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 19:15	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/22/18 19:15	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/22/18 19:15	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 19:15	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:15	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/22/18 19:15	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/22/18 19:15	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/22/18 19:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/22/18 19:15	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:15	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/22/18 19:15	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/22/18 19:15	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/18 19:15	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/22/18 19:15	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/22/18 19:15	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 19:15	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/18 19:15	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/22/18 19:15	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/22/18 19:15	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/22/18 19:15	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/22/18 19:15	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 19:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/22/18 19:15	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/22/18 19:15	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/22/18 19:15	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/22/18 19:15	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:15	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-110 **Lab ID: 40169485020** Collected: 05/17/18 11:51 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/22/18 19:15	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/22/18 19:15	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/22/18 19:15	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/22/18 19:15	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/22/18 19:15	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:15	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/22/18 19:15	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/22/18 19:15	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/22/18 19:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/22/18 19:15	460-00-4	
Dibromofluoromethane (S)	120	%	67-130		1		05/22/18 19:15	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		05/22/18 19:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-109 **Lab ID: 40169485021** Collected: 05/17/18 12:08 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 16:17	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/23/18 16:17	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/23/18 16:17	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 16:17	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:17	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/23/18 16:17	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/23/18 16:17	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/23/18 16:17	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/23/18 16:17	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:17	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/23/18 16:17	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/23/18 16:17	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/23/18 16:17	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/23/18 16:17	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/23/18 16:17	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 16:17	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 16:17	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/23/18 16:17	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/23/18 16:17	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/23/18 16:17	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 16:17	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 16:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/23/18 16:17	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/23/18 16:17	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/23/18 16:17	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/23/18 16:17	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:17	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-109 **Lab ID: 40169485021** Collected: 05/17/18 12:08 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/23/18 16:17	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 16:17	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 16:17	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/23/18 16:17	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/23/18 16:17	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:17	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:17	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:17	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/23/18 16:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		05/23/18 16:17	460-00-4	
Dibromofluoromethane (S)	115	%	67-130		1		05/23/18 16:17	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/23/18 16:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-44 **Lab ID: 40169485022** Collected: 05/17/18 12:56 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 16:39	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/23/18 16:39	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/23/18 16:39	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 16:39	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:39	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/23/18 16:39	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/23/18 16:39	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/23/18 16:39	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/23/18 16:39	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:39	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/23/18 16:39	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/23/18 16:39	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/23/18 16:39	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/23/18 16:39	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/23/18 16:39	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 16:39	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 16:39	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/23/18 16:39	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/23/18 16:39	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/23/18 16:39	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 16:39	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 16:39	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/23/18 16:39	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/23/18 16:39	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/23/18 16:39	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/23/18 16:39	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:39	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-44 **Lab ID: 40169485022** Collected: 05/17/18 12:56 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/23/18 16:39	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 16:39	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 16:39	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/23/18 16:39	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/23/18 16:39	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:39	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 16:39	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/23/18 16:39	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/23/18 16:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		05/23/18 16:39	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		05/23/18 16:39	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		05/23/18 16:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-108 **Lab ID: 40169485023** Collected: 05/17/18 13:08 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:01	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/23/18 17:01	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/23/18 17:01	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:01	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:01	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/23/18 17:01	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/23/18 17:01	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/23/18 17:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:01	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:01	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/23/18 17:01	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/23/18 17:01	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/23/18 17:01	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/23/18 17:01	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/23/18 17:01	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 17:01	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 17:01	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:01	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/23/18 17:01	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/23/18 17:01	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:01	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 17:01	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/23/18 17:01	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:01	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/23/18 17:01	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/23/18 17:01	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:01	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-108 **Lab ID: 40169485023** Collected: 05/17/18 13:08 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/23/18 17:01	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 17:01	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:01	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/23/18 17:01	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/23/18 17:01	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:01	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:01	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:01	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/23/18 17:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		05/23/18 17:01	460-00-4	
Dibromofluoromethane (S)	114	%	67-130		1		05/23/18 17:01	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/23/18 17:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-108-DUP **Lab ID: 40169485024** Collected: 05/17/18 13:08 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:22	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/23/18 17:22	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/23/18 17:22	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:22	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:22	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/23/18 17:22	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/23/18 17:22	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/23/18 17:22	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:22	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:22	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/23/18 17:22	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/23/18 17:22	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/23/18 17:22	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/23/18 17:22	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/23/18 17:22	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 17:22	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 17:22	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:22	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/23/18 17:22	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/23/18 17:22	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:22	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 17:22	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/23/18 17:22	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:22	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/23/18 17:22	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/23/18 17:22	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:22	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-108-DUP **Lab ID: 40169485024** Collected: 05/17/18 13:08 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/23/18 17:22	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 17:22	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:22	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/23/18 17:22	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/23/18 17:22	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:22	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:22	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:22	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/23/18 17:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/23/18 17:22	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		05/23/18 17:22	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		05/23/18 17:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-81 **Lab ID: 40169485025** Collected: 05/17/18 14:05 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:44	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/23/18 17:44	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/23/18 17:44	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:44	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:44	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/23/18 17:44	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/23/18 17:44	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/23/18 17:44	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:44	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:44	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/23/18 17:44	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/23/18 17:44	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/23/18 17:44	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/23/18 17:44	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/23/18 17:44	75-35-4	
cis-1,2-Dichloroethene	**2.0**	ug/L	1.0	0.26	1		05/23/18 17:44	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 17:44	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:44	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/23/18 17:44	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/23/18 17:44	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:44	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 17:44	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/23/18 17:44	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/23/18 17:44	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/23/18 17:44	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/23/18 17:44	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:44	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-81 **Lab ID: 40169485025** Collected: 05/17/18 14:05 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/23/18 17:44	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 17:44	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 17:44	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/23/18 17:44	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/23/18 17:44	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:44	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 17:44	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/23/18 17:44	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/23/18 17:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		05/23/18 17:44	460-00-4	
Dibromofluoromethane (S)	121	%	67-130		1		05/23/18 17:44	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/23/18 17:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-80 **Lab ID: 40169485026** Collected: 05/17/18 14:19 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 18:06	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/23/18 18:06	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/23/18 18:06	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 18:06	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:06	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/23/18 18:06	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/23/18 18:06	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/23/18 18:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/23/18 18:06	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:06	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/23/18 18:06	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/23/18 18:06	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/23/18 18:06	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/23/18 18:06	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/23/18 18:06	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 18:06	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 18:06	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/23/18 18:06	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/23/18 18:06	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/23/18 18:06	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 18:06	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 18:06	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/23/18 18:06	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/23/18 18:06	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/23/18 18:06	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/23/18 18:06	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:06	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-80 **Lab ID: 40169485026** Collected: 05/17/18 14:19 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/23/18 18:06	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 18:06	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 18:06	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/23/18 18:06	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/23/18 18:06	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:06	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:06	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:06	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/23/18 18:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		05/23/18 18:06	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		05/23/18 18:06	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		05/23/18 18:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-79 **Lab ID: 40169485027** Collected: 05/17/18 15:09 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 18:27	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		05/23/18 18:27	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		05/23/18 18:27	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 18:27	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:27	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		05/23/18 18:27	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		05/23/18 18:27	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		05/23/18 18:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		05/23/18 18:27	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:27	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		05/23/18 18:27	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		05/23/18 18:27	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/23/18 18:27	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		05/23/18 18:27	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		05/23/18 18:27	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 18:27	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/23/18 18:27	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		05/23/18 18:27	78-87-5	L1
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		05/23/18 18:27	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		05/23/18 18:27	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		05/23/18 18:27	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 18:27	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		05/23/18 18:27	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		05/23/18 18:27	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		05/23/18 18:27	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		05/23/18 18:27	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:27	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-79 **Lab ID: 40169485027** Collected: 05/17/18 15:09 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		05/23/18 18:27	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		05/23/18 18:27	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		05/23/18 18:27	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		05/23/18 18:27	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		05/23/18 18:27	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:27	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		05/23/18 18:27	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		05/23/18 18:27	75-01-4	
Xylene (Total)	**<1.5**	ug/L	3.0	1.5	1		05/23/18 18:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		05/23/18 18:27	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		05/23/18 18:27	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		05/23/18 18:27	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-82 **Lab ID: 40169485028** Collected: 05/17/18 15:26 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		05/23/18 18:49	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		05/23/18 18:49	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		05/23/18 18:49	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		05/23/18 18:49	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		05/23/18 18:49	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		05/23/18 18:49	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		05/23/18 18:49	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		05/23/18 18:49	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		05/23/18 18:49	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		05/23/18 18:49	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		05/23/18 18:49	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		05/23/18 18:49	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		05/23/18 18:49	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		05/23/18 18:49	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		05/23/18 18:49	75-35-4	
cis-1,2-Dichloroethene	**561**	ug/L	10.0	2.6	10		05/23/18 18:49	156-59-2	
trans-1,2-Dichloroethene	**42.3**	ug/L	10.0	2.6	10		05/23/18 18:49	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		05/23/18 18:49	78-87-5	L1
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		05/23/18 18:49	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		05/23/18 18:49	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		05/23/18 18:49	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		05/23/18 18:49	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		05/23/18 18:49	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		05/23/18 18:49	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		05/23/18 18:49	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		05/23/18 18:49	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		05/23/18 18:49	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Sample: MW-82 **Lab ID: 40169485028** Collected: 05/17/18 15:26 Received: 05/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		05/23/18 18:49	79-34-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		05/23/18 18:49	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		05/23/18 18:49	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		05/23/18 18:49	79-00-5	
Trichloroethene	**304**	ug/L	10.0	3.3	10		05/23/18 18:49	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		05/23/18 18:49	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		05/23/18 18:49	108-67-8	
Vinyl chloride	**7.5J**	ug/L	10.0	1.8	10		05/23/18 18:49	75-01-4	
Xylene (Total)	**<15.0**	ug/L	30.0	15.0	10		05/23/18 18:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		10		05/23/18 18:49	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		10		05/23/18 18:49	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		05/23/18 18:49	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

QC Batch: 289429 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40169485001, 40169485002, 40169485003, 40169485004, 40169485005, 40169485006, 40169485007, 40169485008, 40169485009, 40169485010, 40169485011, 40169485012, 40169485013, 40169485014, 40169485015, 40169485016, 40169485017, 40169485018, 40169485019, 40169485020

METHOD BLANK: 1694132 Matrix: Water
Associated Lab Samples: 40169485001, 40169485002, 40169485003, 40169485004, 40169485005, 40169485006, 40169485007, 40169485008, 40169485009, 40169485010, 40169485011, 40169485012, 40169485013, 40169485014, 40169485015, 40169485016, 40169485017, 40169485018, 40169485019, 40169485020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/22/18 10:14	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/22/18 10:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/22/18 10:14	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/22/18 10:14	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/22/18 10:14	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/22/18 10:14	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/22/18 10:14	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/22/18 10:14	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/22/18 10:14	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/22/18 10:14	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/22/18 10:14	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/22/18 10:14	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/22/18 10:14	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/22/18 10:14	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/22/18 10:14	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/22/18 10:14	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/22/18 10:14	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/22/18 10:14	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/22/18 10:14	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/22/18 10:14	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/22/18 10:14	
2-Chlorotoluene	ug/L	<0.50	1.0	05/22/18 10:14	
4-Chlorotoluene	ug/L	<0.21	1.0	05/22/18 10:14	
Benzene	ug/L	<0.50	1.0	05/22/18 10:14	
Bromobenzene	ug/L	<0.23	1.0	05/22/18 10:14	
Bromochloromethane	ug/L	<0.34	1.0	05/22/18 10:14	
Bromodichloromethane	ug/L	<0.50	1.0	05/22/18 10:14	
Bromoform	ug/L	<0.50	1.0	05/22/18 10:14	
Bromomethane	ug/L	<2.4	5.0	05/22/18 10:14	
Carbon tetrachloride	ug/L	<0.50	1.0	05/22/18 10:14	
Chlorobenzene	ug/L	<0.50	1.0	05/22/18 10:14	
Chloroethane	ug/L	<0.37	1.0	05/22/18 10:14	
Chloroform	ug/L	<2.5	5.0	05/22/18 10:14	
Chloromethane	ug/L	<0.50	1.0	05/22/18 10:14	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/22/18 10:14	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/22/18 10:14	
Dibromochloromethane	ug/L	<0.50	1.0	05/22/18 10:14	
Dibromomethane	ug/L	<0.43	1.0	05/22/18 10:14	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

METHOD BLANK: 1694132 Matrix: Water

Associated Lab Samples: 40169485001, 40169485002, 40169485003, 40169485004, 40169485005, 40169485006, 40169485007, 40169485008, 40169485009, 40169485010, 40169485011, 40169485012, 40169485013, 40169485014, 40169485015, 40169485016, 40169485017, 40169485018, 40169485019, 40169485020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/22/18 10:14	
Diisopropyl ether	ug/L	<0.50	1.0	05/22/18 10:14	
Ethylbenzene	ug/L	<0.50	1.0	05/22/18 10:14	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/22/18 10:14	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/22/18 10:14	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/22/18 10:14	
Methylene Chloride	ug/L	<0.23	1.0	05/22/18 10:14	
n-Butylbenzene	ug/L	<0.50	1.0	05/22/18 10:14	
n-Propylbenzene	ug/L	<0.50	1.0	05/22/18 10:14	
Naphthalene	ug/L	<2.5	5.0	05/22/18 10:14	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/22/18 10:14	
sec-Butylbenzene	ug/L	<2.2	5.0	05/22/18 10:14	
Styrene	ug/L	<0.50	1.0	05/22/18 10:14	
tert-Butylbenzene	ug/L	<0.18	1.0	05/22/18 10:14	
Tetrachloroethene	ug/L	<0.50	1.0	05/22/18 10:14	
Toluene	ug/L	<0.50	1.0	05/22/18 10:14	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/22/18 10:14	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/22/18 10:14	
Trichloroethene	ug/L	<0.33	1.0	05/22/18 10:14	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/22/18 10:14	
Vinyl chloride	ug/L	<0.18	1.0	05/22/18 10:14	
Xylene (Total)	ug/L	<1.5	3.0	05/22/18 10:14	
4-Bromofluorobenzene (S)	%	90	61-130	05/22/18 10:14	
Dibromofluoromethane (S)	%	120	67-130	05/22/18 10:14	
Toluene-d8 (S)	%	97	70-130	05/22/18 10:14	

LABORATORY CONTROL SAMPLE: 1694133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	59.8	120	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	56.2	112	70-130	
1,1,2-Trichloroethane	ug/L	50	54.1	108	70-130	
1,1-Dichloroethane	ug/L	50	64.0	128	71-132	
1,1-Dichloroethene	ug/L	50	62.5	125	75-130	
1,2,4-Trichlorobenzene	ug/L	50	52.6	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	60.1	120	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	53.7	107	70-130	
1,2-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,2-Dichloroethane	ug/L	50	62.7	125	70-131	
1,2-Dichloropropane	ug/L	50	60.5	121	80-120	L1
1,3-Dichlorobenzene	ug/L	50	51.1	102	70-130	
1,4-Dichlorobenzene	ug/L	50	51.8	104	70-130	

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

LABORATORY CONTROL SAMPLE: 1694133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	61.7	123	73-145	
Bromodichloromethane	ug/L	50	56.1	112	70-130	
Bromoform	ug/L	50	48.4	97	67-130	
Bromomethane	ug/L	50	39.8	80	26-128	
Carbon tetrachloride	ug/L	50	60.1	120	70-133	
Chlorobenzene	ug/L	50	52.3	105	70-130	
Chloroethane	ug/L	50	58.1	116	58-120	
Chloroform	ug/L	50	59.7	119	80-121	
Chloromethane	ug/L	50	39.1	78	40-127	
cis-1,2-Dichloroethene	ug/L	50	47.0	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	70-130	
Dibromochloromethane	ug/L	50	51.6	103	70-130	
Dichlorodifluoromethane	ug/L	50	15.5	31	20-135	
Ethylbenzene	ug/L	50	55.9	112	87-129	
Isopropylbenzene (Cumene)	ug/L	50	54.8	110	70-130	
Methyl-tert-butyl ether	ug/L	50	65.2	130	66-143	
Methylene Chloride	ug/L	50	62.6	125	70-130	
Styrene	ug/L	50	56.0	112	70-130	
Tetrachloroethene	ug/L	50	45.4	91	70-130	
Toluene	ug/L	50	52.6	105	82-130	
trans-1,2-Dichloroethene	ug/L	50	61.8	124	75-132	
trans-1,3-Dichloropropene	ug/L	50	49.6	99	70-130	
Trichloroethene	ug/L	50	55.8	112	70-130	
Trichlorofluoromethane	ug/L	50	56.4	113	76-133	
Vinyl chloride	ug/L	50	46.0	92	57-136	
Xylene (Total)	ug/L	150	164	109	70-130	
4-Bromofluorobenzene (S)	%			106	61-130	
Dibromofluoromethane (S)	%			113	67-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1694734 1694735

Parameter	Units	40169485003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	61.9	61.7	124	123	70-134	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	58.6	58.6	117	117	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	57.6	53.6	115	107	70-130	7	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	61.7	60.5	123	121	71-133	2	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	60.0	56.9	120	114	75-136	5	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	54.2	52.0	108	104	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	57.9	61.4	116	123	63-123	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	57.2	55.1	114	110	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	53.3	52.8	107	106	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	64.3	65.7	129	131	70-131	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1694734 1694735

Parameter	Units	40169485003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	<0.23	50	50	63.8	61.5	128	123	80-120	4	20	M0
1,3-Dichlorobenzene	ug/L	<0.50	50	50	53.7	51.6	107	103	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	54.8	53.6	110	107	70-130	2	20	
Benzene	ug/L	<0.50	50	50	63.6	63.2	127	126	73-145	1	20	
Bromodichloromethane	ug/L	<0.50	50	50	61.1	57.8	122	116	70-130	5	20	
Bromoform	ug/L	<0.50	50	50	51.3	49.4	103	99	67-130	4	20	
Bromomethane	ug/L	<2.4	50	50	41.4	40.5	83	81	26-129	2	20	
Carbon tetrachloride	ug/L	<0.50	50	50	63.4	65.0	127	130	70-134	2	20	
Chlorobenzene	ug/L	<0.50	50	50	56.2	53.0	112	106	70-130	6	20	
Chloroethane	ug/L	<0.37	50	50	51.1	50.2	102	100	58-120	2	20	
Chloroform	ug/L	<2.5	50	50	60.9	60.4	122	121	80-121	1	20	M1
Chloromethane	ug/L	<0.50	50	50	36.0	33.1	72	66	40-128	8	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	55.9	55.2	112	110	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	55.3	53.8	111	108	70-130	3	20	
Dibromochloromethane	ug/L	<0.50	50	50	55.0	52.4	110	105	70-130	5	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	13.8	14.8	28	30	20-146	6	20	
Ethylbenzene	ug/L	<0.50	50	50	60.0	56.2	120	112	87-129	7	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	59.0	55.1	118	110	70-130	7	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	63.3	61.8	127	124	66-143	2	20	
Methylene Chloride	ug/L	<0.23	50	50	58.3	54.8	116	109	70-130	6	20	
Styrene	ug/L	<0.50	50	50	60.9	57.2	122	114	70-130	6	20	
Tetrachloroethene	ug/L	<0.50	50	50	47.3	46.4	95	93	70-130	2	20	
Toluene	ug/L	<0.50	50	50	56.0	53.8	112	108	82-131	4	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	57.4	58.6	115	117	75-135	2	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	53.9	51.6	108	103	70-130	4	20	
Trichloroethene	ug/L	<0.33	50	50	57.8	56.7	116	113	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	55.0	53.6	110	107	76-150	3	20	
Vinyl chloride	ug/L	<0.18	50	50	42.4	38.0	85	76	56-143	11	20	
Xylene (Total)	ug/L	<1.5	150	150	177	167	118	111	70-130	6	20	
4-Bromofluorobenzene (S)	%						104	101	61-130			
Dibromofluoromethane (S)	%						111	112	67-130			
Toluene-d8 (S)	%						100	96	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

QC Batch: 289430 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40169485021, 40169485022, 40169485023, 40169485024, 40169485025, 40169485026, 40169485027, 40169485028

METHOD BLANK: 1694134 Matrix: Water
Associated Lab Samples: 40169485021, 40169485022, 40169485023, 40169485024, 40169485025, 40169485026, 40169485027, 40169485028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/23/18 10:08	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/23/18 10:08	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/23/18 10:08	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/23/18 10:08	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/23/18 10:08	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/23/18 10:08	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/23/18 10:08	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/23/18 10:08	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/23/18 10:08	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/23/18 10:08	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/23/18 10:08	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/23/18 10:08	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/23/18 10:08	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/23/18 10:08	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/23/18 10:08	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/23/18 10:08	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/23/18 10:08	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/23/18 10:08	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/23/18 10:08	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/23/18 10:08	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/23/18 10:08	
2-Chlorotoluene	ug/L	<0.50	1.0	05/23/18 10:08	
4-Chlorotoluene	ug/L	<0.21	1.0	05/23/18 10:08	
Benzene	ug/L	<0.50	1.0	05/23/18 10:08	
Bromobenzene	ug/L	<0.23	1.0	05/23/18 10:08	
Bromochloromethane	ug/L	<0.34	1.0	05/23/18 10:08	
Bromodichloromethane	ug/L	<0.50	1.0	05/23/18 10:08	
Bromoform	ug/L	<0.50	1.0	05/23/18 10:08	
Bromomethane	ug/L	<2.4	5.0	05/23/18 10:08	
Carbon tetrachloride	ug/L	<0.50	1.0	05/23/18 10:08	
Chlorobenzene	ug/L	<0.50	1.0	05/23/18 10:08	
Chloroethane	ug/L	<0.37	1.0	05/23/18 10:08	
Chloroform	ug/L	<2.5	5.0	05/23/18 10:08	
Chloromethane	ug/L	0.52J	1.0	05/23/18 10:08	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/23/18 10:08	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/23/18 10:08	
Dibromochloromethane	ug/L	<0.50	1.0	05/23/18 10:08	
Dibromomethane	ug/L	<0.43	1.0	05/23/18 10:08	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/23/18 10:08	
Diisopropyl ether	ug/L	<0.50	1.0	05/23/18 10:08	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

METHOD BLANK: 1694134 Matrix: Water

Associated Lab Samples: 40169485021, 40169485022, 40169485023, 40169485024, 40169485025, 40169485026, 40169485027, 40169485028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	05/23/18 10:08	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/23/18 10:08	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/23/18 10:08	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/23/18 10:08	
Methylene Chloride	ug/L	<0.23	1.0	05/23/18 10:08	
n-Butylbenzene	ug/L	<0.50	1.0	05/23/18 10:08	
n-Propylbenzene	ug/L	<0.50	1.0	05/23/18 10:08	
Naphthalene	ug/L	<2.5	5.0	05/23/18 10:08	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/23/18 10:08	
sec-Butylbenzene	ug/L	<2.2	5.0	05/23/18 10:08	
Styrene	ug/L	<0.50	1.0	05/23/18 10:08	
tert-Butylbenzene	ug/L	<0.18	1.0	05/23/18 10:08	
Tetrachloroethene	ug/L	<0.50	1.0	05/23/18 10:08	
Toluene	ug/L	<0.50	1.0	05/23/18 10:08	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/23/18 10:08	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/23/18 10:08	
Trichloroethene	ug/L	<0.33	1.0	05/23/18 10:08	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/23/18 10:08	
Vinyl chloride	ug/L	<0.18	1.0	05/23/18 10:08	
Xylene (Total)	ug/L	<1.5	3.0	05/23/18 10:08	
4-Bromofluorobenzene (S)	%	91	61-130	05/23/18 10:08	
Dibromofluoromethane (S)	%	111	67-130	05/23/18 10:08	
Toluene-d8 (S)	%	100	70-130	05/23/18 10:08	

LABORATORY CONTROL SAMPLE: 1694135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.6	115	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	55.9	112	70-130	
1,1,2-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1-Dichloroethane	ug/L	50	55.9	112	71-132	
1,1-Dichloroethene	ug/L	50	56.2	112	75-130	
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.6	105	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	52.2	104	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	60.9	122	70-131	
1,2-Dichloropropane	ug/L	50	61.1	122	80-120	L1
1,3-Dichlorobenzene	ug/L	50	50.3	101	70-130	
1,4-Dichlorobenzene	ug/L	50	52.7	105	70-130	
Benzene	ug/L	50	58.1	116	73-145	
Bromodichloromethane	ug/L	50	58.5	117	70-130	
Bromoform	ug/L	50	48.3	97	67-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

LABORATORY CONTROL SAMPLE: 1694135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	46.2	92	26-128	
Carbon tetrachloride	ug/L	50	59.5	119	70-133	
Chlorobenzene	ug/L	50	52.5	105	70-130	
Chloroethane	ug/L	50	57.3	115	58-120	
Chloroform	ug/L	50	55.4	111	80-121	
Chloromethane	ug/L	50	57.2	114	40-127	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.7	101	70-130	
Dibromochloromethane	ug/L	50	53.8	108	70-130	
Dichlorodifluoromethane	ug/L	50	50.2	100	20-135	
Ethylbenzene	ug/L	50	55.8	112	87-129	
Isopropylbenzene (Cumene)	ug/L	50	55.1	110	70-130	
Methyl-tert-butyl ether	ug/L	50	54.7	109	66-143	
Methylene Chloride	ug/L	50	51.3	103	70-130	
Styrene	ug/L	50	56.9	114	70-130	
Tetrachloroethene	ug/L	50	47.6	95	70-130	
Toluene	ug/L	50	53.6	107	82-130	
trans-1,2-Dichloroethene	ug/L	50	53.6	107	75-132	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	70-130	
Trichloroethene	ug/L	50	56.1	112	70-130	
Trichlorofluoromethane	ug/L	50	60.3	121	76-133	
Vinyl chloride	ug/L	50	53.8	108	57-136	
Xylene (Total)	ug/L	150	166	111	70-130	
4-Bromofluorobenzene (S)	%			104	61-130	
Dibromofluoromethane (S)	%			104	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1694830 1694831

Parameter	Units	40169461003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	56.9	57.0	114	114	70-134	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	56.3	53.6	113	107	70-130	5	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	52.6	52.6	105	105	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	54.4	55.9	109	112	71-133	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	54.5	56.1	109	112	75-136	3	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	45.1	44.5	90	89	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	56.0	54.6	112	109	63-123	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	51.2	53.1	102	106	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.5	49.0	97	98	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	59.7	60.6	119	121	70-131	1	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	60.1	60.8	120	122	80-120	1	20	M0
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.2	47.7	96	95	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.6	50.9	99	102	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1694830 1694831

Parameter	Units	40169461003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.50	50	50	56.2	57.1	112	114	73-145	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	57.6	59.3	115	119	70-130	3	20	
Bromoform	ug/L	<0.50	50	50	49.7	50.5	99	101	67-130	1	20	
Bromomethane	ug/L	<2.4	50	50	47.5	54.8	95	110	26-129	14	20	
Carbon tetrachloride	ug/L	<0.50	50	50	59.1	57.6	118	115	70-134	3	20	
Chlorobenzene	ug/L	<0.50	50	50	51.7	51.6	103	103	70-130	0	20	
Chloroethane	ug/L	<0.37	50	50	52.8	57.9	106	116	58-120	9	20	
Chloroform	ug/L	<2.5	50	50	55.9	56.5	112	113	80-121	1	20	
Chloromethane	ug/L	<0.50	50	50	58.5	63.9	117	128	40-128	9	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	51.0	49.4	102	99	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.7	49.6	95	99	70-130	4	20	
Dibromochloromethane	ug/L	<0.50	50	50	53.1	53.3	106	107	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	48.7	47.2	97	94	20-146	3	20	
Ethylbenzene	ug/L	<0.50	50	50	55.1	53.7	110	107	87-129	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	54.1	53.0	108	106	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	51.6	55.2	103	110	66-143	7	20	
Methylene Chloride	ug/L	<0.23	50	50	50.6	52.1	101	104	70-130	3	20	
Styrene	ug/L	<0.50	50	50	56.4	54.7	113	109	70-130	3	20	
Tetrachloroethene	ug/L	<0.50	50	50	46.5	44.6	93	89	70-130	4	20	
Toluene	ug/L	<0.50	50	50	53.6	52.5	107	105	82-131	2	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	52.3	55.1	105	110	75-135	5	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.6	47.0	93	94	70-130	1	20	
Trichloroethene	ug/L	<0.33	50	50	55.6	55.9	111	112	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	58.8	60.3	118	121	76-150	3	20	
Vinyl chloride	ug/L	<0.18	50	50	54.1	56.2	108	112	56-143	4	20	
Xylene (Total)	ug/L	<1.5	150	150	166	161	110	107	70-130	3	20	
4-Bromofluorobenzene (S)	%						104	103	61-130			
Dibromofluoromethane (S)	%						105	108	67-130			
Toluene-d8 (S)	%						104	101	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60485212.4 KEP PERIMETER
Pace Project No.: 40169485

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40169485001	**TRIP BLANK**	EPA 8260	289429		
40169485002	**MW-105**	EPA 8260	289429		
40169485003	**MW-107**	EPA 8260	289429		
40169485004	**MW-102**	EPA 8260	289429		
40169485005	**MW-102-DUP**	EPA 8260	289429		
40169485006	**MW-103**	EPA 8260	289429		
40169485007	**MW-115**	EPA 8260	289429		
40169485008	**MW-101**	EPA 8260	289429		
40169485009	**PZ-118**	EPA 8260	289429		
40169485010	**MW-114**	EPA 8260	289429		
40169485011	**MW-114-DUP**	EPA 8260	289429		
40169485012	**MW-113**	EPA 8260	289429		
40169485013	**MW-31**	EPA 8260	289429		
40169485014	**MW-112**	EPA 8260	289429		
40169485015	**MW-111**	EPA 8260	289429		
40169485016	**MW-117**	EPA 8260	289429		
40169485017	**PZ-117**	EPA 8260	289429		
40169485018	**MW-116**	EPA 8260	289429		
40169485019	**PZ-116**	EPA 8260	289429		
40169485020	**MW-110**	EPA 8260	289429		
40169485021	**MW-109**	EPA 8260	289430		
40169485022	**MW-44**	EPA 8260	289430		
40169485023	**MW-108**	EPA 8260	289430		
40169485024	**MW-108-DUP**	EPA 8260	289430		
40169485025	**MW-81**	EPA 8260	289430		
40169485026	**MW-80**	EPA 8260	289430		
40169485027	**MW-79**	EPA 8260	289430		
40169485028	**MW-82**	EPA 8260	289430		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

40169485

Page: 1 of 3

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AECOM - Milw	Report To: Lanette Altenbach	Attention: Accounts Payable/Finance Department
Address: 1555 N. River Center Dr., Suite 214	Copy To:	Company Name: City of Kenosha
Milwaukee, WI 53212		Address: 652 52nd St., Kenosha, WI 53140
Email To: Lanette.Altenbach@aecom.com	Purchase Order No.:	Pace Quote Reference:
Phone: 414-577-1363 Fax:	Project Name: KEP Perimeter	Pace Project Manager: Chris Hyska
Requested Due Date/TAT: Standard	Project Number: 60485212.4	Pace Profile #: (2430) Kenosha work

REGULATORY AGENCY

__NPDES X GROUND WATER __DRINKING WATER

__UST __RCRA OTHER_____

SITE LOCATION __GA __IL __IN __MI __NC __OH __SC X WI OTHER___

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	Section D Required Client Information SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)		MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOCs 8260	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
																			N			
1	Trip Blank	001	WT	G	5/16/18	0800	—	—		2				X								
2	MW-105	002	WT	G	5/16/18	1150	—	—		3				X								
3	MW-107	003	WT			1206																
4	MW-102	004	WT			1248																
5	MW-102-Dup	005	WT			1248																
6	MW-103	006	WT			1256																
7	MW-115	007	WT			1411																
8	MW-101	008	WT			1419																
9	PZ-118	009	WT			1522																
10	MW-114	010	WT			1535																
11	MW-114-Dup	011	WT			1535																
12	MW-113	012	WT			1633																

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Alme / AECOM	5/18/18	1000	Mary Fannin	5/18/18	11:10
Mary Fannin	5/18/18	1325			
CS Logistics	5/19/18	0920		5/19/18	0920

SAMPLE CONDITIONS

	Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
KOI		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zach Alme

SIGNATURE of SAMPLER: Zach Alme DATE Signed (MM / DD / YY): 5/17/18

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

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40169485

Page: 2 of 3

Section A Required Client Information:

Company: AECOM - Milw	
Address: 1555 N. River Center Dr., Suite 214	
Milwaukee, WI 53212	
Email To: Lanette.Altenbach@aecom.com	
Phone: 414-577-1363	Fax:
Requested Due Date/TAT: Standard	

Section B Required Project Information:

Report To: Lanette Altenbach	
Copy To:	
Purchase Order No.:	
Project Name: KEP Perimeter	
Project Number: 60485212.4	

Section C Invoice Information:

Attention: Accounts Payable/Finance Department	
Company Name: City of Kenosha	
Address: 652 52nd St., Kenosha, WI 53140	
Pace Quote Reference:	
Pace Project Manager: Chris Hyska	
Pace Profile #: (2430) Kenosha work	

REGULATORY AGENCY

__NPDES _X_GROUND WATER __DRINKING WATER

__UST __RCRA OTHER_____

SITE LOCATION __GA __IL __IN __MI __NC __OH __SC _X_WI OTHER____

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	CODE	MATRIX CODE	SAMPLE TYPE G+GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOCs 8260	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	MW-31	013	WT	G	5/16/18	1653	—	—		3				X					N			
2	MW-112	014	WT		5/17/18	0905	—	—														
3	MW-111	015	WT		5/17/18	0923	—	—														
4	MW-117	016	WT			1006																
5	PZ-117	017	WT			1020																
6	MW-116	018	WT			1105																
7	PZ-116	019	WT			1119																
8	MW-110	020	WT			1151																
9	MW-109	021	WT			1208																
10	MW-44	022	WT			1256																
11	MW-108	023	WT			1308																
12	MW-109-Dup	024	WT			1308																

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Alme / AECOM	5/18/18	1000	Mary Fannin	5/18/18	11:10
Mary Fannin 5/18/18	5/18/18	1325			
CS Logistics	5/19/18	0920	[signature] Pace	5/19/18	0920

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Koi	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zach Akers

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 5/17/18

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Page: 3 of 3

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Copy To:	
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Project Number: 60485212.4	

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Pace Quote Reference:	
Pace Project Manager: Chris Hyska	
Pace Profile #: (2430) Kenosha work	

REGULATORY AGENCY

__NPDES _X_GROUND WATER __DRINKING WATER
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SITE LOCATION: __GA __IL __IN __MI __NC __OH __SC _X_WI OTHER____

Section D **Required** Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID		MATRIX CODE	SAMPLE TYPE G+GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOCs 8260	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	MW-81	025	WT	G	5/17/18	1405	—	—		3				X					N			
2	MW-80	026	WT		↓	1419	↓	↓		↓				↓								
3	MW-79	027	WT			1509																
4	MW-82	028	WT			1526																
5			WT																			
6			WT																			
7			WT																			
8			WT																			
9			WT																			
10			WT																			
11			WT																			
12			WT																			

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
alma / AECOM	5/18/18	1000	Mary Fannin	5/18/18	11:10
Mary Fannin	5/18/18	1325			
CS Logistics	5/19/18	0920	[signature] Pace	5/19/18	0920

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
20.1	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Zach Ahlers

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 5/17/18

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

Sample Preservation Receipt Form

Client Name: AECOM

Project # 40169485

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		2															
002																		3															2.5 / 5 / 10
003																		3															2.5 / 5 / 10
004																		3															2.5 / 5 / 10
005																		3															2.5 / 5 / 10
006																		3															2.5 / 5 / 10
007																		3															2.5 / 5 / 10
008																		3															2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3									2						2.5 / 5 / 10
011																		3															2.5 / 5 / 10
012																		3															2.5 / 5 / 10
013																		3															2.5 / 5 / 10
014																		3															2.5 / 5 / 10
015																		3															2.5 / 5 / 10
016																		3															2.5 / 5 / 10
017																		3															2.5 / 5 / 10
018																		3															2.5 / 5 / 10
019																		3															2.5 / 5 / 10
020																		3															2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:

Headspace in VOA Vials (>6mm) : □Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Client Name: AECom

Sample Preservation Receipt Form

Project #: 40169485

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

	Glass							Plastic							Vials						Jars			General									
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																		3															2.5 / 5 / 10
022																		3															2.5 / 5 / 10
023																		3															2.5 / 5 / 10
024																		3															2.5 / 5 / 10
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																																	2.5 / 5 / 21
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																																	2.5 / 5 / 23

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: AECOM

Project #: WO#: 40169485

40169485

Courier: ☒ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other: _____

Tracking #: _____

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

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

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R01 /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: 5/19/18
Initials: SS

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 399		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CH **Date:** 5/21/18