

Bill Frazier
Jockey International
2300 60th Street
Kenosha, WI 53141

December 3, 2020

Our Reference
60623269

November 2020 Semi-annual Perimeter Groundwater Monitoring Report

Dear Mr. Frazier:

An investigation conducted at the former Kenosha Engine Plant (KEP) includes the sampling of groundwater from four monitoring wells located in your western parking lot. The locations of monitoring wells are shown on Figure 1. Volatile organic compounds have been detected in two of the four monitoring wells on your property. The ongoing monitoring is to evaluate groundwater contaminant trends. Some of the contaminants exceed the Wisconsin Administrative Code Groundwater Quality Enforcement Standard (ES).

MW-82 had ES exceedances of trichloroethene, cis-1,2-Dichloroethene, and vinyl chloride. Concentrations of compounds in wells MW-81 and MW-82 have been stable or decreasing since 2008 as shown on Table 1. No volatile organic compounds have been found since 2014 in either of wells MW-79 and MW-80.

The City of Kenosha is planning groundwater remediation in 2020/2021. The groundwater remediation design is approved by the Wisconsin Department of Natural Resources. The approved design requires that the City install a piezometer adjacent to the monitoring well on the edge of the parking lot and we will contact you to discuss site access before the driller mobilizes to drill the well. Additionally, the City is proceeding to implement groundwater remediation in 2021. As the schedule and details are finalized early next year we will contact you to discuss the portion of work that may occur in the Jockey parking lot.

If you have any questions, please contact either of the undersigned. Thank you for your cooperation for the groundwater sampling.

Yours sincerely,



Joel MacKinney
Hydrogeologist
E: joel.mackinney@aecom.com



Lanette Altenbach, PG
Senior Hydrogeologist/Project Manager
E: lanette.altenbach@aecom.com

In conformance with NR 712.09 submittal certification requirements: "I, Lanette Altenbach, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Enclosures:

Table 1 – Detected VOCs in Groundwater Wells
Figure 1 – Monitoring Well Locations
Laboratory Analytical Report

cc: Paul Grittner, WDNR Project Manager with Attachments



Table 1
Detected Volatile Organic Compounds in Groundwater
Jockey Site Monitoring Wells

Location	Sample Date	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Benzene (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Ethyl benzene (ug/L)	Isopropyl benzene (Cumene) (ug/L)	Methylene Chloride (ug/L)	n-Butyl benzene (ug/L)	n-Propyl benzene (ug/L)	Naphth alene (ug/L)	p-Isopropyl toluene (ug/L)	sec-Butyl benzene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (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
	10/18/2018	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/17/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	10/9/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/15/2020	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17
11/4/2020	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17	
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
	10/18/2018	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/17/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	10/9/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/15/2020	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17
11/4/2020	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17	
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	<0.50	<0.14	<0.23	<0.50	<0.50	<2.5	<0.50	<2.2	<0.26	<0.33	<0.18
	10/18/2018	<0.27	<0.24	<0.25	<1.3	<2.2	0.89 ^J	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/17/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	10/9/2019	<0.27	<0.24	<0.25	<1.3	<2.2	0.88 ^J	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	0.27 ^J
	4/15/2020	<0.27	<0.24	<0.25	<1.3	<2.2	6.1	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	1.5 ^J	<0.26	1.2
11/4/2020	<0.27	<0.24	<0.25	<1.3	<2.2	0.42 ^J	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17	

**Table 1
Detected Volatile Organic Compounds in Groundwater
Jockey Site Monitoring Wells**

Location	Sample Date	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Benzene (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Ethyl benzene (ug/L)	Isopropyl benzene (Cumene) (ug/L)	Methylene Chloride (ug/L)	n-Butyl benzene (ug/L)	n-Propyl benzene (ug/L)	Naphth alene (ug/L)	p-Isopropyl toluene (ug/L)	sec-Butyl benzene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
MW-82 (Jockey)	8/21/2008	NPD	NPD	NPD	NPD	NPD	1970	NPD	NPD	<50	NPD	NPD	NPD	NPD	NPD	<u>75.3</u>	4,670	62.6
	10/6/2008	NPD	NPD	NPD	NPD	NPD	1650	NPD	NPD	88.8	NPD	NPD	NPD	NPD	NPD	<u>61.3</u>	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	<u>84^J</u>	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	<u>74.8^J</u>	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	<u>38.7^J</u>	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	<u>42.3</u>	304	7.5^J
	10/18/2018	< 0.27	< 0.24	< 0.25	< 1.3	< 2.2	133	< 0.22	< 0.39	< 0.58	< 0.71	< 0.81	< 1.2	< 0.80	< 0.85	4	17.9	25.1
	4/17/2019	< 0.27	<u>0.88^J</u>	< 0.25	< 1.3	< 2.2	372	< 0.22	< 0.39	< 0.58	< 0.71	< 0.81	< 1.2	< 0.80	< 0.85	<u>36.7</u>	204	4.1
	10/9/2019	< 1.4	< 1.2	< 1.2	< 6.7	< 10.9	553	< 1.1	< 2.0	< 2.9	< 3.5	< 4.1	< 5.9	< 4.0	< 4.2	<u>46.9</u>	220	11
	4/15/2020	< 1.4	< 1.2	< 1.2	< 6.7	< 10.9	417	< 1.6	< 8.4	< 2.9	< 3.5	< 4.1	< 5.9	< 4.0	< 4.2	<u>39.2</u>	121	5.9
11/4/2020	< 0.27	< 0.24	< 0.25	< 1.3	< 2.2	97.3	< 0.32	< 1.7	< 0.58	< 0.71	< 0.81	< 1.2	< 0.80	< 0.85	9.5	5.3	31.9	
	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

ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-80 **Lab ID: 40217846022** Collected: 11/04/20 14:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 02:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 02:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 02:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 02:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 02:13	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:13	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 02:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 02:13	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 02:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 02:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 02:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 02:13	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 02:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 02:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 02:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 02:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 02:13	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 02:13	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:13	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 02:13	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 02:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 02:13	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:13	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:13	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:13	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:13	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 02:13	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:13	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 02:13	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 02:13	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 02:13	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 02:13	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 02:13	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 02:13	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 02:13	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 02:13	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 02:13	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 02:13	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 02:13	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 02:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 02:13	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 02:13	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 02:13	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-80 **Lab ID: 40217846022** Collected: 11/04/20 14:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:13	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:13	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 02:13	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:13	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 02:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 02:13	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 02:13	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 02:13	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 02:13	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 02:13	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 02:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 02:13	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 02:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 02:13	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 02:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/07/20 02:13	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/07/20 02:13	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/07/20 02:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-79 **Lab ID: 40217846023** Collected: 11/04/20 14:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 02:35	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 02:35	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 02:35	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 02:35	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 02:35	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:35	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 02:35	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 02:35	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 02:35	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:35	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 02:35	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 02:35	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 02:35	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 02:35	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 02:35	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 02:35	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 02:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 02:35	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 02:35	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:35	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 02:35	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 02:35	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 02:35	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:35	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:35	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:35	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:35	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 02:35	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:35	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 02:35	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 02:35	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 02:35	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 02:35	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 02:35	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 02:35	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 02:35	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 02:35	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 02:35	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 02:35	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 02:35	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 02:35	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 02:35	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 02:35	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 02:35	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-79 **Lab ID: 40217846023** Collected: 11/04/20 14:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:35	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:35	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 02:35	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:35	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 02:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 02:35	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 02:35	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 02:35	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:35	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 02:35	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 02:35	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 02:35	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 02:35	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 02:35	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 02:35	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 02:35	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/07/20 02:35	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/07/20 02:35	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/07/20 02:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-81 **Lab ID: 40217846024** Collected: 11/04/20 15:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/09/20 09:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/09/20 09:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/09/20 09:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/09/20 09:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/09/20 09:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/09/20 09:13	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 09:13	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/09/20 09:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/09/20 09:13	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/09/20 09:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 09:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/09/20 09:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/09/20 09:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/09/20 09:13	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/09/20 09:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/09/20 09:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/09/20 09:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/09/20 09:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/09/20 09:13	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/09/20 09:13	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 09:13	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/09/20 09:13	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/09/20 09:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/09/20 09:13	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 09:13	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 09:13	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/09/20 09:13	75-35-4	
cis-1,2-Dichloroethene	0.42J	ug/L	1.0	0.27	1		11/09/20 09:13	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/09/20 09:13	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/09/20 09:13	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/09/20 09:13	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/09/20 09:13	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/09/20 09:13	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/09/20 09:13	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/09/20 09:13	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/09/20 09:13	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/09/20 09:13	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/09/20 09:13	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/09/20 09:13	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/09/20 09:13	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/09/20 09:13	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/09/20 09:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/09/20 09:13	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/09/20 09:13	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/09/20 09:13	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-81 **Lab ID: 40217846024** Collected: 11/04/20 15:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 09:13	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 09:13	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/09/20 09:13	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/09/20 09:13	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/09/20 09:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/09/20 09:13	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/09/20 09:13	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/09/20 09:13	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/09/20 09:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/09/20 09:13	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/09/20 09:13	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/09/20 09:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/09/20 09:13	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/09/20 09:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/09/20 09:13	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/09/20 09:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/09/20 09:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		11/09/20 09:13	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		11/09/20 09:13	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		11/09/20 09:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-82 **Lab ID: 40217846025** Collected: 11/04/20 15:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/09/20 17:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/09/20 17:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/09/20 17:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/09/20 17:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/09/20 17:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/09/20 17:34	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 17:34	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/09/20 17:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/09/20 17:34	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/09/20 17:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 17:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/09/20 17:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/09/20 17:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/09/20 17:34	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/09/20 17:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/09/20 17:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/09/20 17:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/09/20 17:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/09/20 17:34	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/09/20 17:34	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 17:34	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/09/20 17:34	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/09/20 17:34	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/09/20 17:34	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 17:34	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 17:34	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/09/20 17:34	75-35-4	
cis-1,2-Dichloroethene	97.3	ug/L	1.0	0.27	1		11/09/20 17:34	156-59-2	
trans-1,2-Dichloroethene	9.5	ug/L	1.5	0.46	1		11/09/20 17:34	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/09/20 17:34	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/09/20 17:34	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/09/20 17:34	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/09/20 17:34	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/09/20 17:34	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/09/20 17:34	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/09/20 17:34	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/09/20 17:34	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/09/20 17:34	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/09/20 17:34	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/09/20 17:34	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/09/20 17:34	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/09/20 17:34	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/09/20 17:34	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/09/20 17:34	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/09/20 17:34	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-82 **Lab ID: 40217846025** Collected: 11/04/20 15:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 17:34	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 17:34	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/09/20 17:34	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/09/20 17:34	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/09/20 17:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/09/20 17:34	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/09/20 17:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/09/20 17:34	79-00-5	
Trichloroethene	5.3	ug/L	1.0	0.26	1		11/09/20 17:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/09/20 17:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/09/20 17:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/09/20 17:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/09/20 17:34	108-67-8	
Vinyl chloride	31.9	ug/L	1.0	0.17	1		11/09/20 17:34	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/09/20 17:34	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/09/20 17:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/09/20 17:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/09/20 17:34	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		11/09/20 17:34	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/09/20 17:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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November 25, 2020

Your Reference
WDNR 02-30-000327

Our Reference
60623269

Shelly Billingsley, MBA, P.E.
Director of Public Works
City of Kenosha
625 52nd Street
Kenosha, WI 53140

**November 2020 Semi-annual Perimeter Groundwater Monitoring Report
Former Kenosha Engine Plant, 5555 30th Avenue, Kenosha, Wisconsin**

Dear Ms. Billingsley

AECOM conducted a semi-annual groundwater sampling event on November 3rd and 4th, 2020, under Task Order 149-010220 for the City of Kenosha, at the former Kenosha Engine Plant (KEP). Seventeen perimeter groundwater monitoring wells (MW-31, MW-44, MW-101, MW-102, 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 November 2020 event.

Prior to sample collection, groundwater elevation measurements were collected from the sampled monitoring wells and piezometers plus an additional monitoring well, MW-206. 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 November 2020, 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 dedicated 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 24 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 Health 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 generally 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. The laboratory analytical report is also attached.

Quality control samples were collected to assess laboratory precision and accuracy. A trip blank was submitted for analysis and VOCs were not detected. Field duplicate samples were collected at monitoring wells MW-108 and MW-114 and submitted for analysis. MW-108 had no detects in both the original and the duplicate sample. MW-114 and the duplicate were in good agreement with relative percent difference (RPD) approximately 20% between the detected analytes.

VOCs were generally not detected in the perimeter wells except for MW-31, MW-101, MW-114, PZ-116, and PZ-118 as well as MW-81 and MW-82 at the Jockey site. The following groundwater quality exceedances were identified in the groundwater samples analyzed in November 2020:

KEP	
<p><u>ES exceedances</u></p> <p>MW-31 – trichloroethene (TCE)</p> <p>MW-31 – cis-1,2-Dichloroethene</p> <p>MW-114 – vinyl chloride (VC)</p> <p>PZ-116 – VC</p> <p>PZ-118 – VC</p>	<p><u>PAL exceedances</u></p> <p>MW-31 – 1,1-Dichloroethene</p> <p>MW-31 – trans-1,2-Dichloroethene</p> <p>PZ-118 – cis-1,2-Dichloroethene</p>
Jockey	
<p>ES exceedances</p> <p>MW-82 – TCE</p> <p>MW-82 – cis-1,2-dichloroethene</p> <p>MW-82 – VC</p>	<p>PAL exceedances</p> <p>None</p>

Concentration trends were evaluated for MW-31, MW-114 and PZ-118 on the northern property boundary. There is a slight decreasing trend in MW-31 and the contaminant concentration fluctuations moderately correlate with water level fluctuations, as shown on Figure 5. The concentrations in MW-114 in 2015/2016 appeared to mirror the water level fluctuations with a spike in TCE concentrations in April 2016, however in 2018 and 2019, spikes of the water table did not result in a similar spike in TCE concentrations. Figure 6 shows MW-114 VOC concentrations over time with a stable or very slight decreasing trend. The lower level of TCE may be the result of the contaminated soil removal that occurred in 2016.

The concentration trends for cis-1,2-dichloroethene and vinyl chloride in PZ-118 show a reduction since 2014 (Figure 7) and the concentrations do not appear to have any correlation with groundwater elevations nor the soil remediation activities.

Concentration trends were also evaluated for the groundwater from MW-82 on the Jockey property (Figure 8). Analyte concentrations in this well have overall decreased since 2014. Contaminant concentrations and water levels do not appear to be related.

In conclusion, the groundwater recovery systems are maintaining the groundwater contaminant plume on-site. Groundwater monitoring will continue on a semi-annual basis during the planned groundwater remediation in 2021. Please contact us if you have questions.

Yours sincerely,



Joel MacKinney
Hydrogeologist
AECOM
E: joel.mackinney@aecom.com



Lanette Altenbach, PG
Senior Hydrogeologist/Project Manager
AECOM
E: lanette.altenbach@aecom.com



In conformance with NR 712.09 submittal certification requirements: "I, Lanette Altenbach, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

- enclosures:**
- 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
 - Figure 1 – Perimeter Monitoring Well and Piezometer Locations
 - Figure 2 – Potentiometric Surface – Perimeter Water Table Monitoring Wells – November 2020
 - Figure 3 – Potentiometric Surface – Perimeter Piezometers – November 2020
 - Figure 4 – VOCs Detected in Groundwater Above Enforcement Standards – November 2020
 - Figure 5 – MW-31 TCE Concentrations and Groundwater Elevations over Time
 - Figure 6 – MW-114 Analyte Concentrations and Groundwater Elevations over Time
 - Figure 7 – PZ-118 Analyte Concentrations and Groundwater Elevations over Time
 - Figure 8 – MW-82 Analyte Concentrations and Groundwater Elevations over Time
 - Laboratory Analytical Report

cc: Paul Grittner, WDNR Project Manager with Attachments
Kyle Rogers, USEPA, Brownfields Project Manager

Tables

**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	616.01	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	614.25	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	614.29	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	614.93	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	615.24	NM	--	NM	--	7.19	616.16	5.44	618.02	5.06	618.60	5.25	620.08
9/21/2015	12.24	615.18	10.37	613.82	NM	--	NM	--	5.16	618.30	4.94	618.72	5.12	620.21
4/13/2016	9.89	617.53	9.51	614.68	NM	--	NM	--	5.24	618.22	4.83	618.83	5.05	620.28
11/28/2016	12.51	614.91	10.80	613.39	NM	--	8.10	615.25	6.50	616.96	4.80	618.86	NM	--
5/16/2018	9.50	617.92	9.71	614.48	NM	--	NM	--	4.85	618.61	3.41	620.25	3.59	621.74
10/17/2018	11.71	615.71	9.92	614.27	NM	--	NM	--	5.58	617.88	4.48	619.18	4.77	620.56
4/16/2019	12.18	615.24	10.16	614.03	NM	--	NM	--	5.74	617.72	4.70	618.96	4.81	620.52
10/8/2019	9.76	617.66	8.96	615.23	NM	--	NM	--	4.72	618.74	4.35	619.31	4.60	620.73
4/14/2020	11.36	616.06	9.90	614.29	NM	--	NM	--	5.28	618.18	4.94	618.72	5.03	620.30
11/3/2020	13.36	614.06	11.20	612.99	NM	--	NM	--	6.66	616.80	5.49	618.17	5.49	619.84

ft = feet

Note: MW-70 and MW-71 were damaged during soil remediation activities and were abandoned.

^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
10/17/2018	7.64	615.71	9.35	615.24	4.69	618.57	13.65	610.97	5.43	616.99	6.79	614.25	3.72	617.46
4/16/2019	8.17	615.18	9.92	614.67	3.64	619.62	13.73	610.89	5.78	616.64	6.67	614.37	4.10	617.08
10/8/2019	7.50	615.85	8.97	615.62	3.48	619.78	13.29	611.33	4.81	617.61	6.26	614.78	3.23	617.95
4/14/2020	8.06	615.29	9.59	615.00	4.06	619.20	13.59	611.03	6.25	616.17	7.17	613.87	4.43	616.75
11/3/2020	10.21	613.14	12.30	612.29	7.92	615.34	14.05	610.57	7.98	614.44	8.24	612.80	5.93	615.25

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-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
10/17/2018	10.16	612.65	8.12	614.16	5.09	618.30	6.23	616.50	7.00	615.87	7.71	613.88	7.37	614.14
4/16/2019	10.42	612.39	8.37	613.91	5.60	617.79	6.12	616.61	7.16	615.71	7.23	614.36	7.17	614.34
10/8/2019	9.01	613.80	6.33	615.95	5.01	618.38	4.16	618.57	6.04	616.83	6.96	614.63	6.93	614.58
4/14/2020	9.93	612.88	8.05	614.23	5.50	617.89	7.39	615.34	7.81	615.06	7.93	613.66	7.20	614.31
11/3/2020	10.88	611.93	8.38	613.90	7.38	616.01	9.25	613.48	9.23	613.64	8.82	612.77	8.98	612.53

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	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
10/17/2018	7.20	614.85	4.98	622.90
4/16/2019	7.49	614.56	NM	--
10/8/2019	5.59	616.46	5.22	622.66
4/14/2020	7.00	615.05	5.79	622.09
11/3/2020	8.37	613.68	7.61	620.27

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-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
10/18/2018	9.59	614.80	6.39	617.11	10.27	613.62	11.80	612.70
4/17/2019	8.73	615.66	4.37	619.13	7.78	616.11	10.51	613.99
10/9/2019	8.79	615.60	5.50	618.00	8.48	615.41	10.26	614.24
4/15/2020	7.98	616.41	4.65	618.85	8.46	615.43	9.92	614.58
11/4/2020	10.71	613.68	7.01	616.49	10.93	612.96	12.00	612.50

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 (mV)	Conductivity (mS/cm)	Temperature (°C)
MW-31	05/28/14	5.87	2.61	-148.3	1.507	9.14
	09/25/14	6.87	0.49	30.0	1.525	14.78
	11/30/16	7.52	1.23	79.9	1.287	11.47
	05/16/18	7.06	6.82	37.30	1.473	13.58
	10/18/18	6.91	2.37	42.4	1.879	15.09
	04/16/19	6.81	0.33	150.3	1.924	12.89
	10/09/19	6.79	4.16	39.0	1.34	17.09
	04/15/20	6.76	4.36	261	1.569	7.20
	11/04/20	6.95	0.22	49.1	1.147	16.47
MW-44	05/21/12	7.33	0.42	-71.2	2.068	12.98
	05/22/14	6.73	1.06	188.3	4.129	11.33
	10/18/18	7.90	0.16	-102.7	2.562	19.61
	09/30/14	6.89	0.35	95.5	4.158	16.27
	12/04/14	7.03	0.89	-8.2	2.586	12.29
	09/23/15	6.97	0.86	16.9	4.675	18.05
	04/14/16	7.05	4.92	57.1	4.846	9.2
	11/30/16	7.56	1.19	-6.5	1.789	12.01
	05/17/18	7.13	1.98	25.0	2.627	12.28
	10/18/18	7.22	0.87	63.9	5.294	17.35
	04/16/19	6.86	1.13	176.4	4.491	11.21
	10/09/19	7.01	4.75	266.9	3.664	17.55
	04/15/20	7.03	2.65	114.8	4.406	8.47
	11/04/20	7.07	NM	188.9	2.763	15.81
MW-101	01/23/12	7.68	4.28	3.50	0.756	8.8
	05/20/14	6.95	2.8	-156.30	1.454	14.07
	09/29/14	7.27	0.81	34.80	1.34	20.46
	12/05/14	7.3	1.22	-19	1.26	12.1
	09/22/15	7.29	2.19	29.2	1.411	20.62
	04/15/16	7.51	4.75	2.8	1.383	9.73
	11/28/16	7.26	1.23	11.2	1.481	13.14
	05/16/18	8.98	4.3	-75.4	1.514	12.75
	10/17/18	7.18	2.41	82.6	1.289	15.61
	04/16/19	7.15	4.74	168.07	1.490	11.26
	10/08/19	7.37	2.15	193.9	1.218	18.83
	04/14/20	7.19	4.92	200.73	1.768	7.54
11/03/20	7.24	1.34	14.63	1.018	16.57	
MW-102	01/26/12	7.09	0.67	-74.20	1.214	9.09
	05/16/14	6.98	3.56	-48.50	2.320	8.98
	09/29/14	7.01	0.14	-77.10	1.345	19.52
	12/04/14	7.29	0.39	-56.3	1.509	11.35
	03/25/15	7.23	0.54	-23.3	1.38	5.87
	09/24/15	7.05	0.71	-47.2	1.617	18.76
	04/15/16	7.31	0.47	38.2	2.414	9.28
	11/29/16	7.53	0.54	148	1.245	15.01
	05/16/18	7.35	7.36	38.10	1.829	11.87
	10/17/18	7.19	0.68	13.80	0.891	15.21
	04/16/19	8.09	2.10	60.6	3.176	9.61
	10/08/19	7.08	2.20	141.7	0.801	19.11
	04/14/20	7.23	0.58	182.26	1.591	7.61
11/03/20	7.10	0.54	-38.80	1.246	16.64	

Table 2
Measured Field Parameters
KEP Perimeter Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)
MW-103	05/16/18	9.15	2.35	-83.60	1.221	12.20
	10/17/18	NM	0.4	439.60	1.463	17.21
	04/16/19	8.31	1.44	39.40	0.828	8.61
	10/08/19	6.94	0.61	64.20	1.145	19.79
	04/14/20	7.19	2.40	69.75	1.569	7.94
	11/03/20	7.01	3.11	-44.52	3.996	16.3
MW-105	01/24/12	6.89	0.38	-87.00	2.997	11.06
	05/20/19	6.48	0.47	-237.20	3.898	13.43
	09/30/14	7.08	0.14	-62.10	2.787	16.75
	12/05/14	6.70	0.6	-53.10	2.368	12.78
	09/22/15	7.09	0.7	-9.10	0.899	18.25
	04/14/16	6.91	2.68	-23.10	2.731	9.42
	11/28/16	6.79	0.61	-90.50	1.845	13.23
	05/16/18	7.02	1.19	-96.70	1.893	13.72
	10/17/18	6.71	0.11	-41.00	2.254	15.18
	04/16/19	9.10	0.3	-20.30	1.408	9.23
	10/08/19	6.84	0.08	-56.80	1.978	16.63
	04/15/20	6.87	0.21	-23.91	1.682	7.30
	11/03/20	6.89	0.08	-90.85	1.942	15.79
MW-107	05/16/18	9.36	1.43	-84.40	0.940	11.84
	10/17/18	6.63	0.3	-31.20	1.488	16.73
	04/16/19	8.39	0.61	31.10	0.914	9.70
	10/08/19	6.89	0.49	-29.50	1.176	17.99
	04/15/20	6.77	0.55	44.67	1.194	7.23
	11/03/20	6.83	0.22	-81.90	1.277	17.15
MW-108	05/21/12	7.16	1.73	-65.00	4.583	13.19
	05/23/14	6.67	4.39	188.30	6.796	11.73
	09/30/14	6.85	0.36	80.90	4.932	16.16
	12/04/14	6.94	1.66	-3	4.386	10.4
	09/23/15	6.87	0.96	27.8	4.504	18.23
	04/14/16	7.33	4.65	90.8	4.674	8.53
	11/30/16	7.19	0.87	172.3	3.341	13.4
	05/17/18	6.97	4.42	108.9	3.831	12.57
	10/17/18	7.08	0.64	43.7	3.751	16.91
	04/16/19	6.9	6.00	170.53	4.499	13.09
	10/09/19	7.03	0.21	232.3	3.335	16.89
	04/14/20	7.00	3.09	97.86	5.294	7.94
	11/04/20	6.90	NM	184.3	3.886	15.13
MW-109	06/05/14	6.23	0.44	-26.20	0.831	11.59
	09/23/14	7.01	0.45	151.00	1.244	15.00
	12/05/14	6.7	0.75	-63.70	1.303	12.41
	09/23/15	7.05	0.34	-89.00	1.737	15.13
	04/15/16	7.21	0.64	11.40	1.641	10.83
	11/29/16	7.39	0.82	-1.80	1.326	13.82
	05/17/18	7.04	0.41	-35.20	0.924	12.05
	10/18/18	7.03	0.38	-100.10	0.895	14.03
	04/16/19	8.66	0.12	4.30	0.597	9.96
	10/08/19	6.90	1.34	-43.40	1.195	14.89
	04/14/20	7.26	0.30	-43.04	0.801	8.96
	11/04/20	7.12	NM	-94.05	0.876	15.29

Table 2
Measured Field Parameters
KEP Perimeter Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)
MW-110	05/22/14	7.02	9.23	59.00	0.538	10.15
	09/23/14	7.25	0.6	165.00	0.755	17.50
	12/05/14	7.26	2.7	-2.00	0.639	11.57
	09/23/15	7.05	0.68	239.00	0.557	23.82
	04/14/16	7.51	9.57	21.10	0.598	8.69
	11/29/16	7.59	1.95	108.00	0.498	14.39
	05/17/18	7.26	9.19	105.60	0.436	10.90
	10/18/18	7.99	6.51	55.60	0.762	16.60
	04/16/19	8.46	4.26	55.50	1.956	8.05
	10/08/19	7.05	5.53	158.50	1.739	17.42
	04/15/20	7.06	6.77	253.52	1.398	8.06
11/03/20	7.08	0.78	53.26	0.853	17.12	
MW-111	05/21/14	7.05	1.81	74.30	0.977	10.83
	09/23/14	7.29	0.69	180.00	0.634	18.10
	12/05/14	7.3	1.38	-7.80	0.605	12.12
	09/23/15	7.88	0.75	169.00	0.449	22.68
	04/14/16	7.74	2.02	22.00	0.527	9.06
	11/29/16	7.23	3.82	64.70	0.34	14.16
	05/17/18	7.15	0.76	153.90	0.686	11.63
	10/18/18	6.9	0.2	-111.00	0.930	14.47
	04/16/19	8.31	3.64	59.20	1.977	8.28
	10/08/19	7.00	0.13	-23.60	1.038	17.86
	04/14/20	7.09	3.16	230.31	0.886	8.14
11/03/20	6.96	0.14	-37.86	0.541	16.72	
MW-112	11/03/11	6.85	0.5	-2.50	2.661	15.52
	05/21/14	7.19	0.74	43.10	2.699	11.28
	09/24/14	7.05	0.5	68.40	2.26	17.78
	12/05/14	7.25	3.69	-11.3	1.124	10.85
	09/22/15	7.18	3.55	4	1.482	17.92
	04/15/16	7.41	3.08	-13.7	1.49	9.07
	11/29/16	7.36	4	59.7	0.73	13.97
	05/17/18	7.11	2.29	174.1	1.208	12.15
	10/18/18	7.08	1.13	-13.6	1.676	14.94
	04/16/19	7.01	2.41	207.0	1.381	10.28
	10/08/19	7.06	2.37	27.9	1.790	18.24
04/14/20	7.03	4.99	196.13	1.424	7.2	
11/03/20	7.11	1.05	42.55	1.424	16.93	
MW-113	08/18/11	7.27	0.73	-7.10	2.699	16.82
	05/28/14	7.11	1.73	-208.70	1.586	11.29
	09/25/14	7.7	0.24	283.00	3.400	16.40
	12/05/14	7.18	2.1	-24.9	1.992	11.72
	03/25/15	7.24	2.03	52.3	2.812	8.32
	09/22/15	7.23	0.8	-24.5	1.755	17.19
	04/15/16	7.45	3.55	187.9	1.459	9.01
	11/29/16	7.42	1.06	175.6	1.296	13.98
	05/16/18	7.25	6.33	37.3	1.144	11.1
	10/18/18	7.85	0.44	73.6	1.449	15.44
	04/16/19	7.16	3.07	170.13	1.939	11.00
	10/09/19	7.11	1.14	32.6	1.681	16.70
	04/15/20	7.13	1.96	213.41	1.756	9.17
11/04/20	7.12	0.97	57.69	1.831	18.66	

Table 2
Measured Field Parameters
KEP Perimeter Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)
MW-114	08/18/11	7.44	0.32	-97.10	1.159	15.69
	05/28/14	6.95	4.13	-188.70	1.241	10.72
	09/29/14	7.21	0.18	-109.40	0.180	15.73
	12/04/14	7.29	0.23	-89.5	0.911	11.28
	03/25/15	7.34	0.32	-79.4	1.192	7.05
	09/22/15	7.13	0.3	-113.6	1.177	16.35
	04/15/16	6.94	4.24	-3.3	1.464	8.12
	11/28/16	7.22	0.75	-110.9	0.81	12.68
	05/16/18	7.3	NM	-36.5	1.102	11.99
	10/17/18	7.16	0.2	-109.6	1.115	14.22
	04/16/19	7.09	0.14	-79.59	1.041	9.66
	10/09/19	6.93	1.93	-9.4	1.103	16.84
	04/15/20	7.38	0.19	-76.74	1.048	7.44
11/04/20	7.17	NM	-77.11	0.994	15.72	
MW-115	08/18/11	7.48	1.61	-14.00	0.985	17.97
	05/28/14	6.37	6.38	-144.70	1.191	9.94
	09/29/14	7.07	1.17	105.10	0.808	17.44
	12/04/14	7.21	3.55	-15.7	0.715	10.84
	09/22/15	7.08	1.98	71.8	0.941	18.06
	04/15/16	7.57	5.24	180.7	0.731	8.16
	11/28/16	7.17	3.66	85.7	0.731	12.9
	05/16/18	7.16	5.67	48.9	0.861	11.56
	10/17/18	6.96	3.8	24.3	0.888	15.73
	04/16/19	7.13	6.04	26.45	1.089	8.79
	10/09/19	6.81	2.16	195	0.977	18.17
	04/15/20	7.25	3.41	53.86	0.893	6.83
	11/04/20	7.07	NM	21.73	0.66	16.42
MW-116	11/08/11	6.41	1.44	-25.80	0.776	13.67
	05/22/14	6.77	3.18	67.30	0.649	9.32
	09/23/14	7.07	0.39	151.00	0.808	15.20
	12/02/14	7	0.88	11.1	0.642	10.45
	09/23/15	6.86	2.06	45.9	0.993	15.79
	04/14/16	7.32	6.16	64.7	0.761	9.11
	11/29/16	7.23	1.59	156.2	0.682	13.25
	05/17/18	6.97	7.18	124.9	0.529	10.84
	10/18/18	6.85	1.99	-39.9	0.884	14.62
	04/17/19	7.56	4.46	68.4	0.537	7.49
	10/08/19	6.95	2.78	128.9	0.861	15.96
	04/14/20	6.98	2.38	255.24	0.698	8.15
	11/04/20	6.92	0.27	145.74	0.836	14.64

Table 2
Measured Field Parameters
KEP Perimeter Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)
PZ-116	11/08/11	6.23	0.4	-58.50	1.808	12.23
	05/22/14	6.98	0.29	38.50	2.01	11.63
	09/23/14	7.11	0.25	165.00	2.05	14.40
	12/02/14	7.06	0.24	-79.6	1.714	10.36
	09/23/15	6.96	0.26	-104.8	2.46	13.68
	04/14/16	7.03	0.99	-41.1	2.564	10.74
	11/29/16	6.97	0.75	-102.8	0.792	12.47
	05/17/18	6.97	0.4	-27.2	1.838	11.62
	10/18/18	6.93	0.8	-98.8	2.338	14.22
	04/17/19	8.00	0.38	-2.4	1.865	10.23
	10/08/19	6.97	0.1	-66.3	2.387	13.38
	04/14/20	7.11	0.11	3.87	2.07	10.40
11/04/20	6.97	0.06	-67.00	2.075	13.71	
MW-117	05/21/14	6.91	2.73	42.30	1.237	12.10
	09/24/14	7.09	0.61	51.80	1.253	15.94
	12/04/14	6.81	0.28	-48.30	1.202	12.6
	03/24/15	7.15	2.69	-9.40	1.033	7.71
	09/23/15	6.99	0.5	-102.60	1.276	16.55
	04/14/16	7.15	1.3	-44.70	1.065	9.52
	11/29/16	7.13	0.7	-67.60	0.887	14.58
	05/17/18	7.05	3.02	34.20	0.849	11.74
	10/18/18	7.86	0.18	-51.40	0.892	14.93
	04/17/19	6.93	2.80	35.96	1.413	8.30
	10/08/19	7.04	0.10	-52.40	0.936	15.62
	04/14/20	6.90	0.15	58.16	0.768	8.85
11/03/20	6.92	0.19	-75.17	1.044	16.11	
PZ-117	05/21/14	6.98	0.11	-12.00	0.882	11.48
	09/24/14	7.05	0.43	-44.00	1.501	14.53
	12/04/14	6.9	0.48	-33.10	1.188	12.52
	03/24/15	7.3	0.54	-44.40	0.443	8.22
	09/23/15	6.94	0.3	-116.10	1.635	14.52
	04/14/16	7.31	0.54	-18.90	1.692	11
	11/29/16	7.49	0.41	-42.70	1.353	13.7
	05/17/18	7.05	0.51	-13.50	1.042	12.41
	10/18/18	7.71	0.35	-13.60	1.283	13.66
	04/17/19	NM	NM	NM	NM	NM
	10/08/19	7.05	0.09	-13.80	1.387	14.55
	04/14/20	6.84	1.18	144.95	1.247	7.92
11/03/20	6.95	0.15	-69.93	1.33	14.91	
PZ-118	05/28/14	6.73	3.17	-201.00	1.702	11.10
	09/25/14	7.07	0.11	301.00	5.500	14.80
	12/05/14	7.1	0.76	-56.20	1.504	12.69
	03/25/15	7.15	1.03	-37.10	2.089	8.66
	09/22/15	7	0.24	-95.10	2.050	16.30
	04/15/16	7.13	2.52	-60.30	2.198	9.50
	11/28/16	7.08	2.55	-3.10	1.404	12.87
	05/16/18	7.12	0.88	-59.90	1.292	12.79
	10/17/18	7.4	0.19	-37.80	1.714	14.34
	04/17/19	6.99	1.39	33.87	1.742	8.81
	10/09/19	6.97	0.09	-12.60	1.655	15.62
	04/15/20	6.86	0.15	65.49	2.120	8.38
11/04/20	7.03	0.09	-75.38	1.657	17.37	

mg/l = milligrams per liter. mS/cm = microSiemens per centimeter
ft = feet mV = millivolts NM = Not Measured

Table 2
Measured Field Parameters
Jockey Site Wells

Well Name	Sample Date	pH Units	Dissolved Oxygen (mg/L)	ORP (mV)	Conductivity (mS/cm)	Temperature (°C)
MW-79 Jockey	9/30/2014	7.15	0.28	-70.8	3.90	18.80
	12/5/2016	8.11	0.61	-153.7	3.68	13.15
	5/19/2018	7.13	0.29	-54.6	3.57	14.61
	10/18/2018	6.84	0.27	-109.3	6.52	19.15
	4/17/2019	8.07	0.27	-34.1	5.12	11.31
	10/9/2019	6.88	0.13	-86.3	7.86	20.57
	4/15/2020	6.96	0.52	-40.0	7.53	11.09
	11/4/2020	6.91	0.07	-93.6	7.25	20.22
MW-80 Jockey	9/30/2014	7.23	0.17	-115.1	4.41	19.74
	12/5/2016	8.16	0.53	-154.4	3.16	13.67
	5/19/2018	7.51	0.15	-83.2	0.18	14.27
	10/18/2018	7.90	0.16	-102.7	2.56	19.61
	4/17/2019	7.02	1.17	-76.3	3.18	11.47
	10/9/2019	7.15	0.18	-125.2	2.79	21.69
	4/15/2020	6.97	0.15	-78.9	4.85	10.12
	11/4/2020	7.03	NM	-122.2	2.35	19.82
MW-81 Jockey	9/30/2014	6.98	0.34	-85.5	2.53	18.36
	12/5/2016	7.91	0.64	-137.0	2.67	12.66
	5/19/2018	7.02	0.38	-47.4	2.56	14.73
	10/18/2018	6.83	0.20	-117.9	3.12	19.42
	4/17/2019	6.76	0.09	-55.5	2.98	11.13
	11/4/2020	7.07	NM	188.9	2.76	15.81
	10/9/2019	6.93	0.12	-103.2	3.09	20.47
	4/15/2020	6.80	0.11	-48.2	3.74	9.72
	11/4/2020	6.76	NM	-90.5	3.08	18.99
MW-82	9/30/2014	7.06	0.24	-89.2	4.21	19.64
	12/5/2016	8.07	0.52	-145.7	4.22	14.17
	5/19/2018	7.25	0.23	-67.9	3.01	14.82
	10/18/2018	7.83	0.21	-89.6	3.82	21.28
	4/17/2019	8.80	0.10	-50.1	2.98	11.49
	10/9/2019	7.03	0.09	-107.1	4.03	21.30
	4/15/2020	7.13	0.16	-64.2	4.15	10.92
	11/4/2020	7.05	0.08	-116.4	3.14	21.02

mg/l = milligrams per liter. mS/cm = microSiemens per centimeter
ft = feet mV = millivolts

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

Location	Sample Date	1,1,1-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
MW-31	5/28/2014	< 2.5	1.9 ^J	<u>3.2^J</u>	< 12.2	< 1.9	< 2.5	79.2	< 0.87	< 2.5	<u>28.8</u>	499	< 0.88
	9/25/2014	< 0.5	< 0.24	<u>1.7^J</u>	< 2.4	< 0.37	< 0.5	97.8^J	< 0.17	< 0.5	<u>26.1^J</u>	63.8^J	< 0.18
	12/3/2014	< 0.5	0.46 ^J	<u>2.9</u>	< 2.4	< 0.37	< 0.5	106	< 0.17	< 0.5	<u>35</u>	116	0.33^J
	3/24/2015	< 2.5	< 1.2	<u>2.8^J</u>	< 12.2	< 1.9	< 2.5	79.8^J	< 0.87	< 2.5	<u>26.9</u>	361	< 0.88
	11/30/2016	< 1	< 0.48	<u>2.9</u>	< 4.9	< 0.75	< 1	98.6	< 0.35	< 1	<u>42.7</u>	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	<u>15.0</u>	807	< 1.8
	10/17/2018	< 0.98	< 1.1	<u>1.3^J</u>	< 3.9	< 5.4	< 8.8	<u>17.9</u>	< 5.0	< 1.3	9.6 ^J	470	< 0.70
	4/16/2019	< 0.24	0.31 ^J	<u>5.4</u>	< 0.97	< 1.3	< 2.2	99.1	< 1.2	< 0.33	<u>70.6</u>	117	0.37^J
	10/9/2019	1.1	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	1.1	< 1.2	< 0.33	< 1.1	239	< 0.17
	4/15/2020	0.32 ^J	< 0.27	<u>2.2</u>	< 0.97	< 1.3	< 2.2	<u>42.2</u>	< 1.2	< 0.33	<u>26.4</u>	133	< 0.17
	11/4/2020	< 0.24	0.39 J	<u>5.6</u>	< 0.97	< 1.3	< 2.2	115	< 1.2	< 0.33	<u>87.5</u>	180	< 0.17
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/9/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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
	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-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
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
	10/17/2018	0.82 ^J	0.35 ^J	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	0.67 ^J	0.27 ^J	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	1.1	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/14/2020	0.49 ^J	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
	11/3/2020	0.39 ^J	0.61 ^J	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	1.7	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	0.62 ^J	< 0.17
10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	0.35 ^J	< 1.1	0.47 ^J	< 0.17	
4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/15/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/15/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
	11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/9/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/9/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
	11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/15/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
10/9/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17	
4/15/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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

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Location	Sample Date	1,1,1-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
MW-114	8/18/2011	< 0.9	< 0.75	< 0.57	< 0.91	< 0.97	0.33 ^J	<u>8.7</u>	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	<u>0.67^J</u>	21.1
	5/28/2014	2.6	1.7	< 0.41	< 2.4	0.55 ^J	< 0.5	<u>9.5</u>	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	<u>0.84^J</u>	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	<u>0.82^J</u>	< 2.4	< 0.37	< 0.5	<u>49</u>	< 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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	3.3	< 1.2	< 0.33	< 1.1	< 0.26	14.1
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	2.1	< 1.2	< 0.33	< 1.1	< 0.26	10.1
	10/9/2019	2.3	1.4	< 0.24	< 0.97	< 1.3	< 2.2	2.4	< 1.2	< 0.33	< 1.1	6.9	10.9
4/15/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	1.6	< 1.2	< 0.33	< 0.46	< 0.26	10.4	
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	1.9	< 1.2	< 0.33	< 0.46	< 0.26	12	
MW-114 DUP	5/28/2014	2.6	1.6	< 0.41	< 2.4	0.55 ^J	< 0.5	<u>9.5</u>	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	<u>1.2</u>	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	<u>0.85^J</u>	< 2.4	< 0.37	< 0.5	<u>49.1</u>	< 0.17	<u>1.1</u>	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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	3.3	< 1.2	< 0.33	< 1.1	< 0.26	14.1
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	1.7	< 1.2	< 0.33	< 1.1	< 0.26	10.7
	10/9/2019	2.4	1.3	< 0.24	< 0.97	< 1.3	< 2.2	2.7	< 1.2	0.43 ^J	< 1.1	7.0	9.6
4/15/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	1.5	< 1.2	< 0.33	< 0.46	< 0.26	9.9	
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	1.5	< 1.2	< 0.33	< 0.46	< 0.26	10	
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-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
MW-115	8/18/2011	< 0.9	< 0.75	< 0.57	<u>1.3</u>	< 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
	10/17/2018	0.72 ^J	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/16/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/9/2019	0.53 ^J	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/15/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/17/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	0.32^J
	4/17/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	0.61^J
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	0.87^J
4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	0.69^J	
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	0.64^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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/17/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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
	10/18/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/17/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	10/8/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 1.1	< 0.26	< 0.17
	4/14/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17
11/3/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	< 0.27	< 1.2	< 0.33	< 0.46	< 0.26	< 0.17	
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-Trichloro ethane (ug/L)	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Bromo methane (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Methyl-tert-butyl ether (ug/L)	Tetrachloro ethene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (ug/L)	Vinyl chloride (ug/L)
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	<u>21.4</u>	< 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	<u>20.4</u>	< 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	<u>21.5</u>	< 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	<u>8.9</u>	< 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	<u>10.4</u>	< 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
	10/17/2018	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	5.2	< 1.2	< 0.33	< 1.1	< 0.26	17.3
	4/17/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	2.6	< 1.2	< 0.33	< 1.1	< 0.26	1.8
	10/9/2019	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	3.9	< 1.2	< 0.33	< 1.1	< 0.26	3.7
	4/15/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	<u>12.8</u>	< 1.2	< 0.33	< 0.46	< 0.26	4.5
11/4/2020	< 0.24	< 0.27	< 0.24	< 0.97	< 1.3	< 2.2	<u>13.8</u>	< 1.2	< 0.33	< 0.46	< 0.26	8.8	
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

Notes:

ug/L = micrograms per liter

^J = Estimated value

PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, January 2020 exceedances are underlined italics.

ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, January 2020 exceedances are **bold**.

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

Location	Sample Date	1,1-Dichloro ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Benzene (ug/L)	Chloro ethane (ug/L)	Chloro methane (ug/L)	cis-1,2-Dichloro ethene (ug/L)	Ethyl benzene (ug/L)	Isopropyl benzene (Cumene) (ug/L)	Methylene Chloride (ug/L)	n-Butyl benzene (ug/L)	n-Propyl benzene (ug/L)	Naphth alene (ug/L)	p-Isopropyl toluene (ug/L)	sec-Butyl benzene (ug/L)	trans-1,2-Dichloro ethene (ug/L)	Trichloro ethene (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
	10/18/2018	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/17/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	10/9/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/15/2020	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17
11/4/2020	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17	
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
	10/18/2018	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/17/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	10/9/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/15/2020	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17
11/4/2020	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17	
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	<0.50	<0.14	<0.23	<0.50	<0.50	<2.5	<0.50	<2.2	<0.26	<0.33	<0.18
	10/18/2018	<0.27	<0.24	<0.25	<1.3	<2.2	0.89^J	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	4/17/2019	<0.27	<0.24	<0.25	<1.3	<2.2	<0.27	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	<0.17
	10/9/2019	<0.27	<0.24	<0.25	<1.3	<2.2	0.88^J	<0.22	<0.39	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<1.1	<0.26	0.27^J
	4/15/2020	<0.27	<0.24	<0.25	<1.3	<2.2	6.1	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	1.5^J	<0.26	1.2
11/4/2020	<0.27	<0.24	<0.25	<1.3	<2.2	0.42^J	<0.32	<1.7	<0.58	<0.71	<0.81	<1.2	<0.80	<0.85	<0.46	<0.26	<0.17	

Figures

\\usmwwk1fs001\prod\proj\proj\60623269\000_CAD_GIS\O&M - base-map-2020 - April.dwg: 5/12/2020 5:13:18 PM; MACKINNEY, JOEL; ----



LEGEND:
 ■ ACTIVE MONITORING WELLS

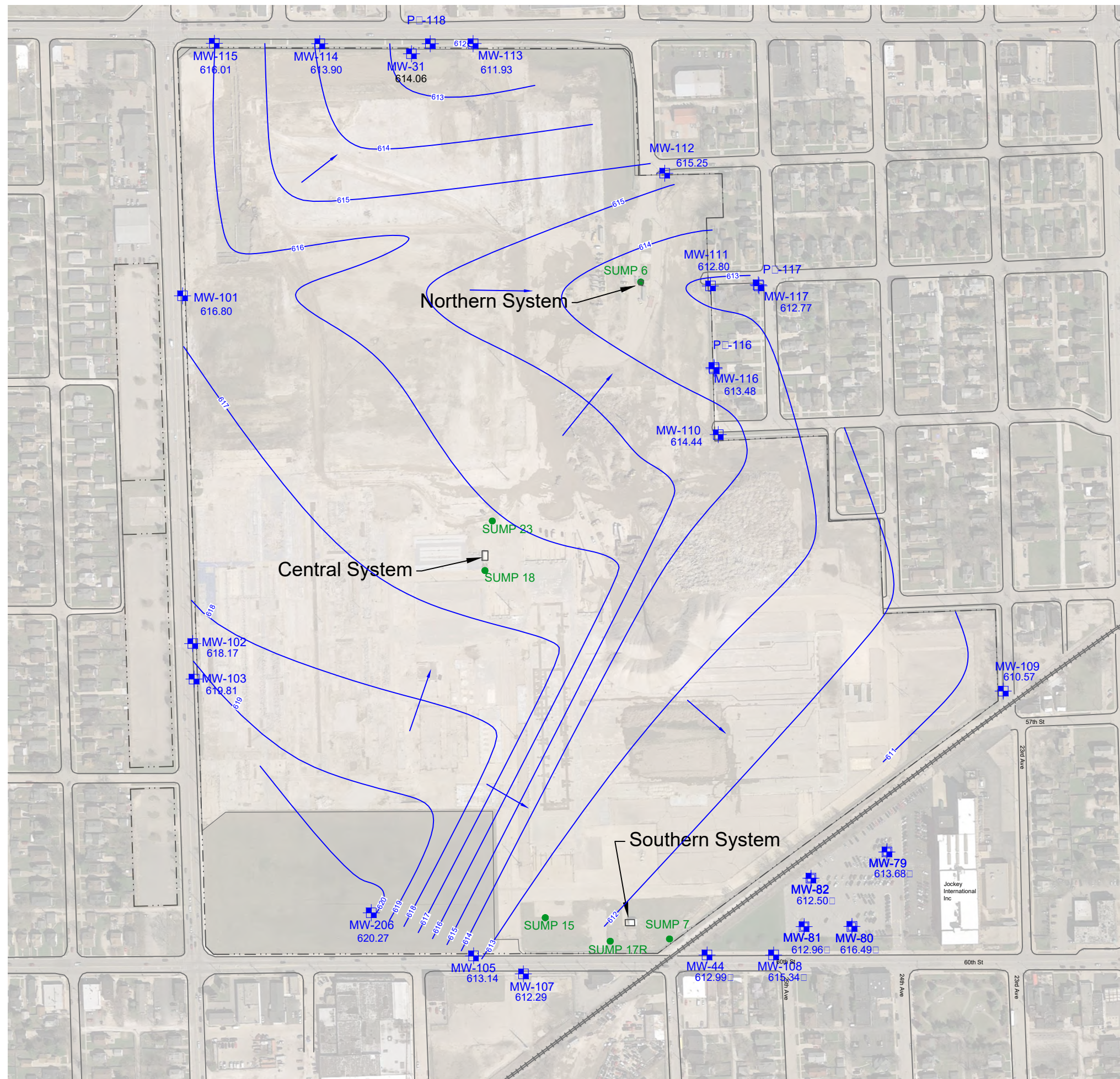


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MONITORING WELL LOCATION MAP
 KENOSHA ENGINE PLANT
 CITY OF KENOSHA
 KENOSHA, WISCONSIN

Drawn :	JSM 4/23/2019
Checked:	LLA 5/8/2019
Approved:	LLA 5/8/2019
PROJECT NUMBER	60623269
FIGURE NUMBER	1

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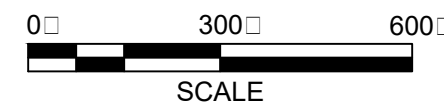


LEGEND

- APPROXIMATE SITE BOUNDARY
- RAILROAD
- X --- EXISTING FENCE
- PERIMETER MONITORING WELL LOCATIONS
- 617 — WATER TABLE CONTOURS
- WELLS LOCATED SOUTHEAST OF THE RAILROAD TRACKS (SOUTHEAST OF KEP) ARE UNDER THE INFLUENCE 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.
2. MW-31 NOT USED FOR CONTOUR MAP



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**POTENTIOMETRIC SURFACE
 PERIMETER WATER TABLE MONITORING WELLS - NOVEMBER 2020
 KENOSHA ENGINE PLANT
 CITY OF KENOSHA
 KENOSHA, WISCONSIN**

Drawn : JSM 11/24/2020

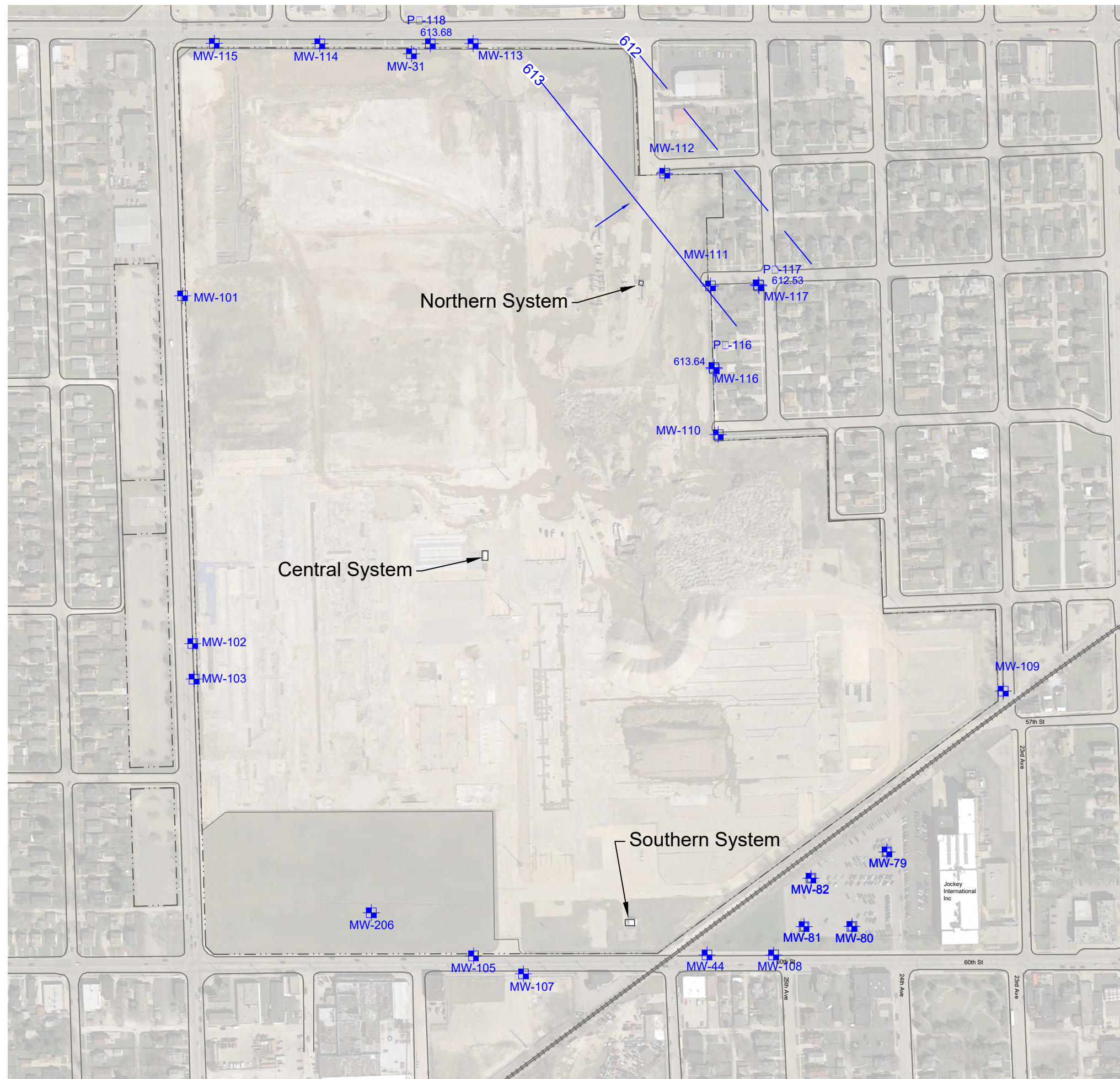
Checked: LLA 11/24/2020

Approved: LLA 11/24/2020

PROJECT NUMBER **60623269**

FIGURE NUMBER **2**

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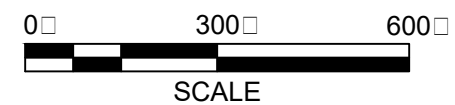
- LEGEND**
- APPROXIMATE SITE BOUNDARY
 - RAILROAD
 - X --- EXISTING FENCE
 - PERIMETER PIEZOMETER LOCATIONS
 - 617 — WATER TABLE CONTOURS

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



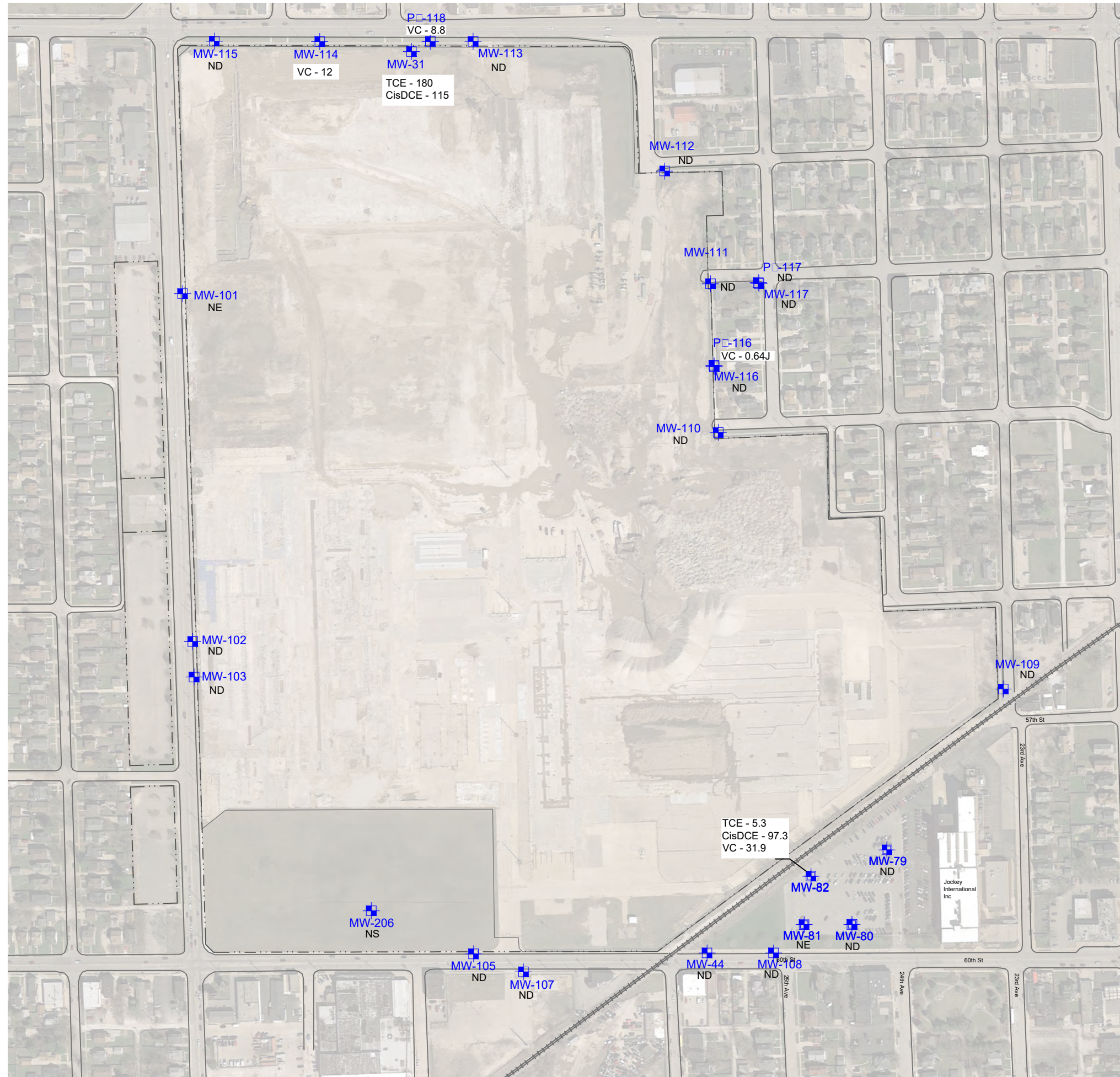
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POTENTIOMETRIC SURFACE
 PERIMETER PIEZOMETERS - NOVEMBER 2020
 KENOSHA ENGINE PLANT
 CITY OF KENOSHA
 KENOSHA, WISCONSIN



Drawn :	JSM 11/24/2020
Checked:	LLA 11/24/2020
Approved:	LLA 11/24/2020
PROJECT NUMBER	60623269
FIGURE NUMBER	3

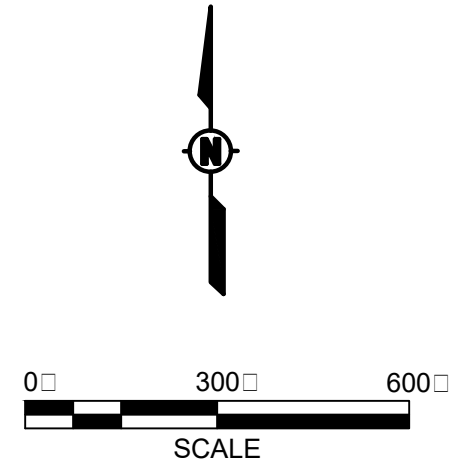
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LEGEND

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

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



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VOLATILE ORGANIC COMPOUNDS DETECTED IN GROUNDWATER
 ABOVE ENFORCEMENT STANDARDS - NOVEMBER 2020
 KENOSHA ENGINE PLANT
 CITY OF KENOSHA
 KENOSHA, WISCONSIN

Drawn :	JSM	11/24/2020
Checked:	LLA	11/24/2020
Approved:	LLA	11/24/2020
PROJECT NUMBER	60623269	
FIGURE NUMBER	4	

**Figure 5
MW-31**

TCE and Groundwater Elevations over Time

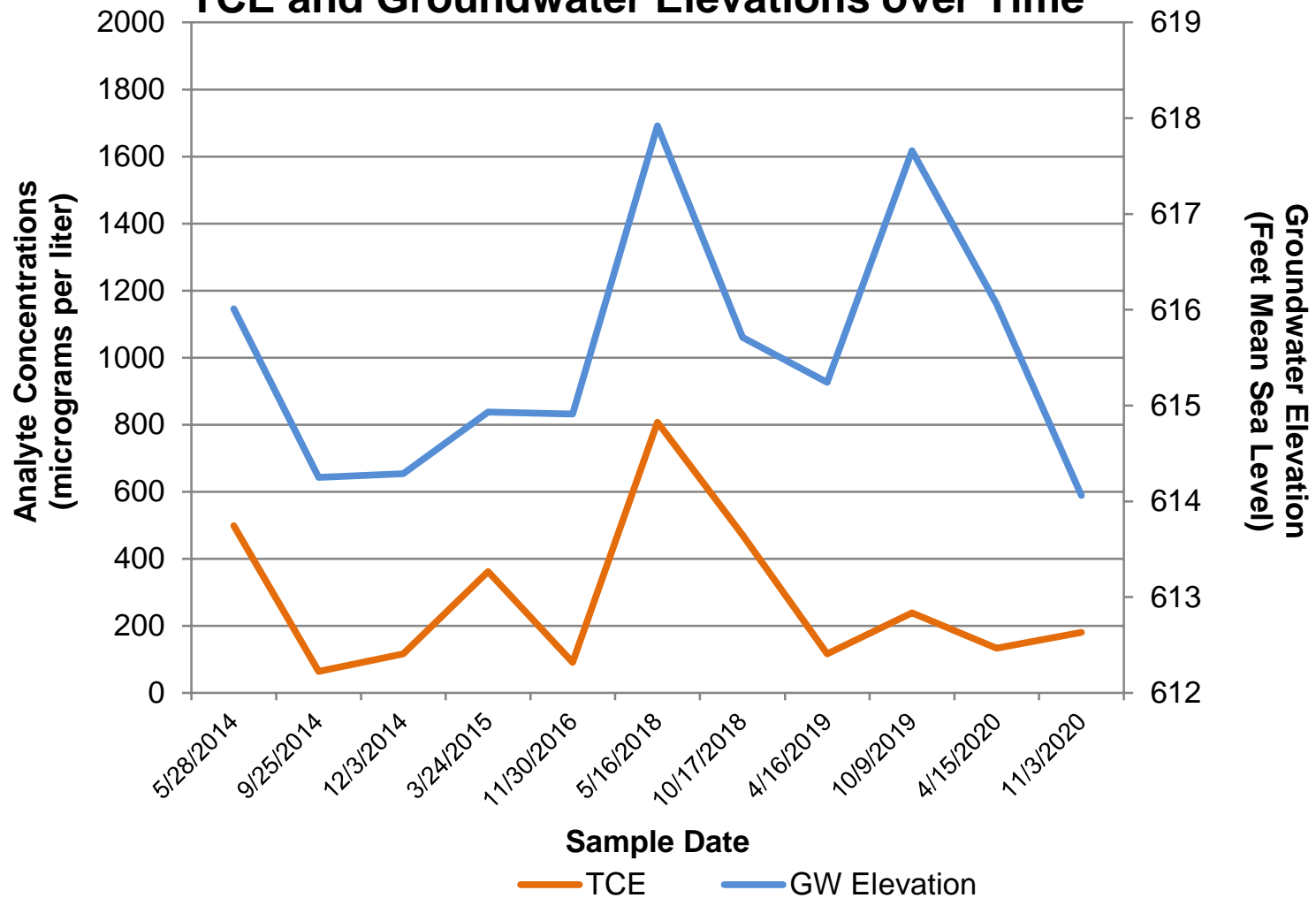


Figure 6
MW-114

Analyte Concentrations and Groundwater Elevations over Time

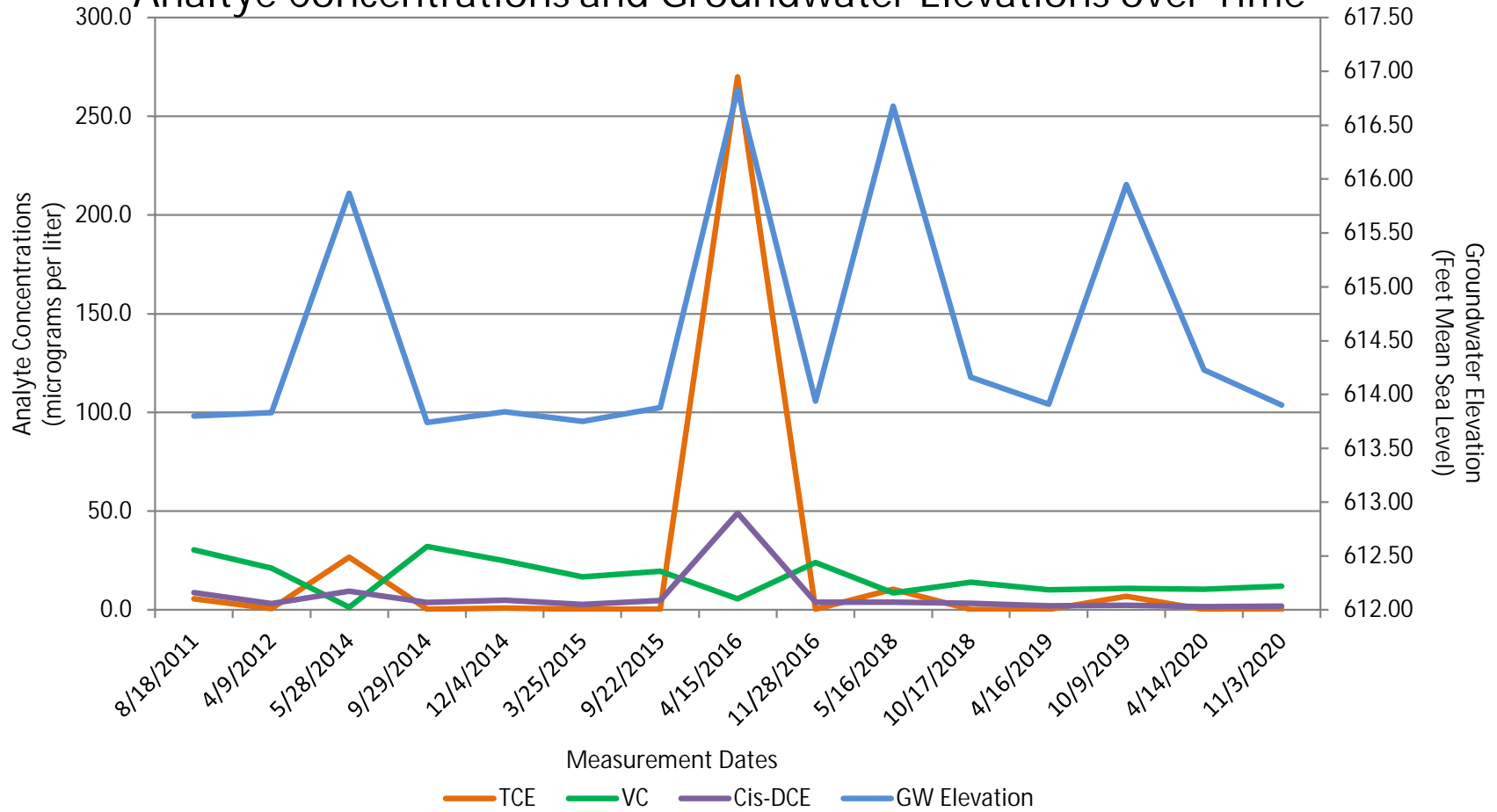


Figure 7
PZ-118

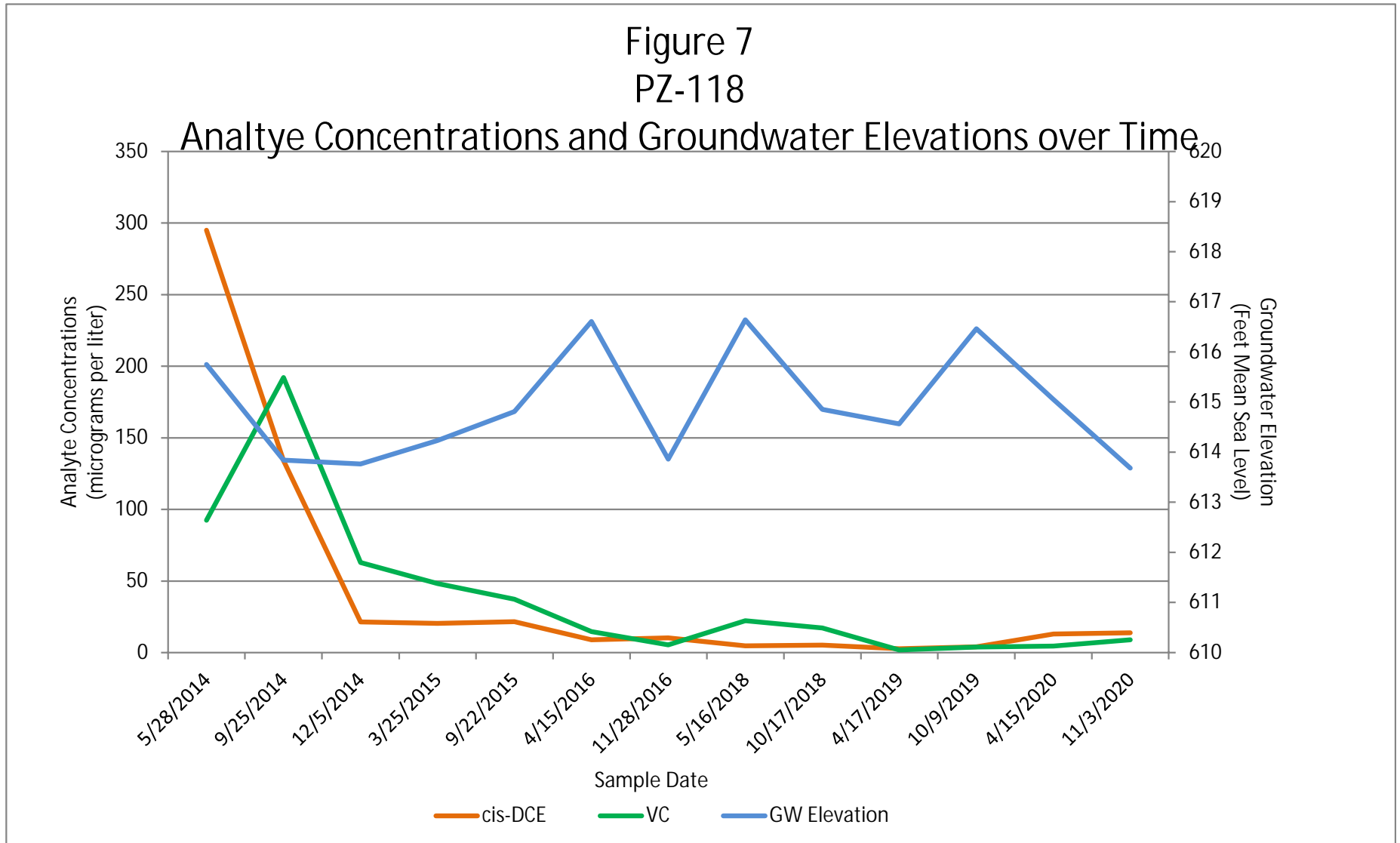
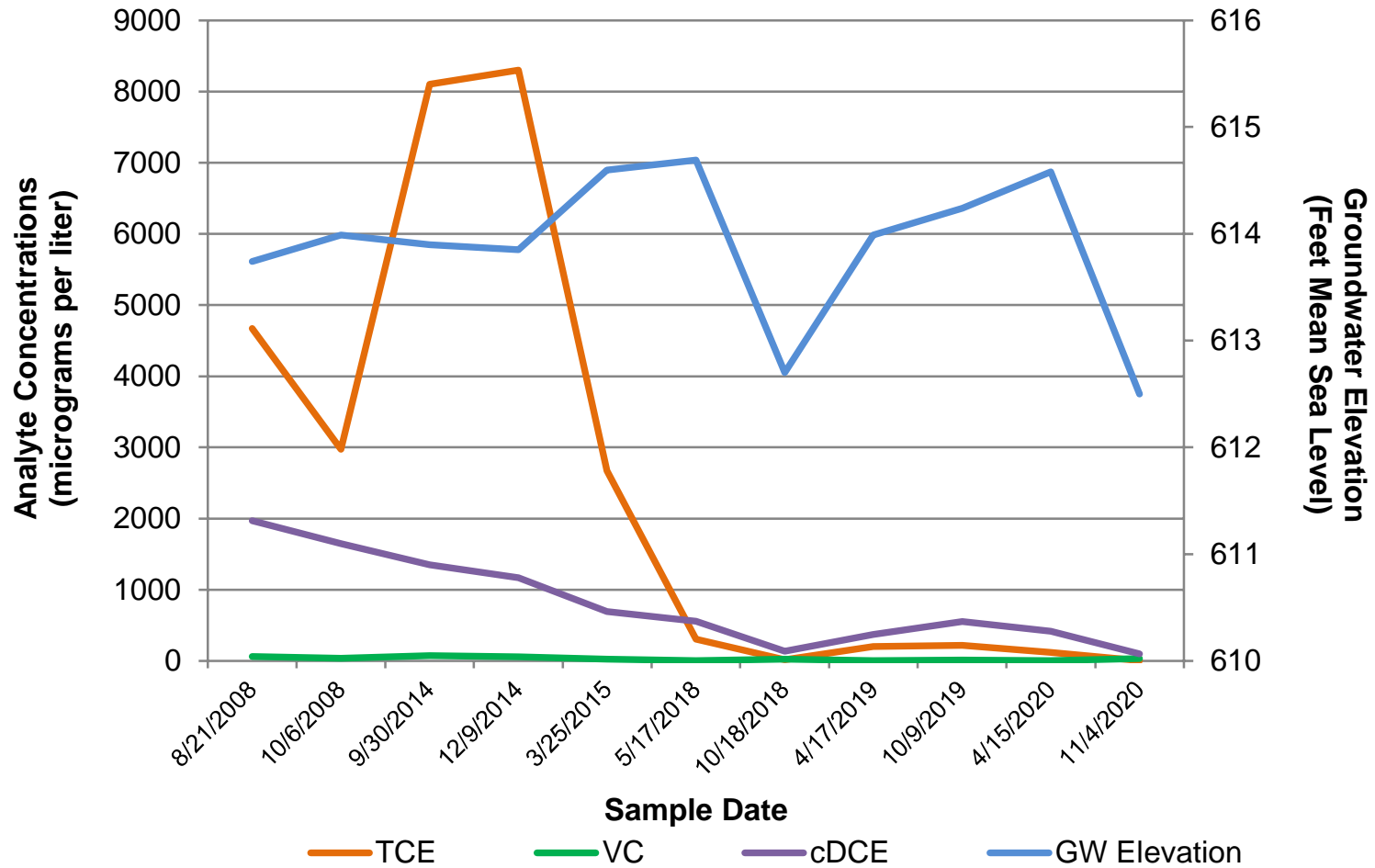


Figure 8
MW-82
Analyte Concentrations and Groundwater Elevations over Time



Laboratory Analytical Report

November 10, 2020

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

RE: Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Dear Lanette Altenbach:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Joel Mackinney, AECOM



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40217846001	TRIP BLANK	Water	11/03/20 08:00	11/05/20 10:00
40217846002	MW-112	Water	11/03/20 11:05	11/05/20 10:00
40217846003	MW-107	Water	11/03/20 11:20	11/05/20 10:00
40217846004	MW-105	Water	11/03/20 12:10	11/05/20 10:00
40217846005	MW-110	Water	11/03/20 12:15	11/05/20 10:00
40217846006	MW-102	Water	11/03/20 13:15	11/05/20 10:00
40217846007	MW-111	Water	11/03/20 13:15	11/05/20 10:00
40217846008	MW-117	Water	11/03/20 14:15	11/05/20 10:00
40217846009	MW-101	Water	11/03/20 14:20	11/05/20 10:00
40217846010	MW-103	Water	11/03/20 15:30	11/05/20 10:00
40217846011	PZ-117	Water	11/03/20 15:35	11/05/20 10:00
40217846012	MW-116	Water	11/04/20 09:05	11/05/20 10:00
40217846013	MW-108	Water	11/04/20 09:10	11/05/20 10:00
40217846014	MW-108 DUP	Water	11/04/20 09:15	11/05/20 10:00
40217846015	PZ-116	Water	11/04/20 09:55	11/05/20 10:00
40217846016	MW-44	Water	11/04/20 10:10	11/05/20 10:00
40217846017	MW-31	Water	11/04/20 10:55	11/05/20 10:00
40217846018	MW-109	Water	11/04/20 11:10	11/05/20 10:00
40217846019	PZ-118	Water	11/04/20 11:55	11/05/20 10:00
40217846020	MW-115	Water	11/04/20 12:10	11/05/20 10:00
40217846021	MW-113	Water	11/04/20 12:55	11/05/20 10:00
40217846022	MW-80	Water	11/04/20 14:10	11/05/20 10:00
40217846023	MW-79	Water	11/04/20 14:15	11/05/20 10:00
40217846024	MW-81	Water	11/04/20 15:05	11/05/20 10:00
40217846025	MW-82	Water	11/04/20 15:05	11/05/20 10:00
40217846026	MW-114	Water	11/04/20 16:00	11/05/20 10:00
40217846027	MW-114 DUP	Water	11/04/20 16:05	11/05/20 10:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40217846001	TRIP BLANK	EPA 8260	HNW	65	PASI-G
40217846002	MW-112	EPA 8260	LAP	65	PASI-G
40217846003	MW-107	EPA 8260	HNW	65	PASI-G
40217846004	MW-105	EPA 8260	HNW	65	PASI-G
40217846005	MW-110	EPA 8260	HNW	65	PASI-G
40217846006	MW-102	EPA 8260	HNW	65	PASI-G
40217846007	MW-111	EPA 8260	HNW	65	PASI-G
40217846008	MW-117	EPA 8260	HNW	65	PASI-G
40217846009	MW-101	EPA 8260	HNW	65	PASI-G
40217846010	MW-103	EPA 8260	HNW	65	PASI-G
40217846011	PZ-117	EPA 8260	HNW	65	PASI-G
40217846012	MW-116	EPA 8260	HNW	65	PASI-G
40217846013	MW-108	EPA 8260	HNW	65	PASI-G
40217846014	MW-108 DUP	EPA 8260	HNW	65	PASI-G
40217846015	PZ-116	EPA 8260	HNW	65	PASI-G
40217846016	MW-44	EPA 8260	HNW	65	PASI-G
40217846017	MW-31	EPA 8260	HNW	65	PASI-G
40217846018	MW-109	EPA 8260	HNW	65	PASI-G
40217846019	PZ-118	EPA 8260	HNW	65	PASI-G
40217846020	MW-115	EPA 8260	HNW	65	PASI-G
40217846021	MW-113	EPA 8260	HNW	65	PASI-G
40217846022	MW-80	EPA 8260	HNW	65	PASI-G
40217846023	MW-79	EPA 8260	HNW	65	PASI-G
40217846024	MW-81	EPA 8260	HNW	65	PASI-G
40217846025	MW-82	EPA 8260	HNW	65	PASI-G
40217846026	MW-114	EPA 8260	HNW	65	PASI-G
40217846027	MW-114 DUP	EPA 8260	HNW	65	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40217846009	MW-101					
EPA 8260	1,1-Dichloroethane	0.61J	ug/L	1.0	11/06/20 21:56	
EPA 8260	1,1,1-Trichloroethane	0.39J	ug/L	1.0	11/06/20 21:56	
40217846015	PZ-116					
EPA 8260	Vinyl chloride	0.64J	ug/L	1.0	11/07/20 00:05	
40217846017	MW-31					
EPA 8260	1,1-Dichloroethane	0.39J	ug/L	1.0	11/07/20 02:56	
EPA 8260	1,1-Dichloroethene	5.6	ug/L	1.0	11/07/20 02:56	
EPA 8260	cis-1,2-Dichloroethene	115	ug/L	1.0	11/07/20 02:56	
EPA 8260	trans-1,2-Dichloroethene	87.5	ug/L	1.5	11/07/20 02:56	
EPA 8260	Trichloroethene	180	ug/L	1.0	11/07/20 02:56	
40217846019	PZ-118					
EPA 8260	cis-1,2-Dichloroethene	13.8	ug/L	1.0	11/07/20 01:09	
EPA 8260	Vinyl chloride	8.8	ug/L	1.0	11/07/20 01:09	
40217846024	MW-81					
EPA 8260	cis-1,2-Dichloroethene	0.42J	ug/L	1.0	11/09/20 09:13	
40217846025	MW-82					
EPA 8260	cis-1,2-Dichloroethene	97.3	ug/L	1.0	11/09/20 17:34	
EPA 8260	trans-1,2-Dichloroethene	9.5	ug/L	1.5	11/09/20 17:34	
EPA 8260	Trichloroethene	5.3	ug/L	1.0	11/09/20 17:34	
EPA 8260	Vinyl chloride	31.9	ug/L	1.0	11/09/20 17:34	
40217846026	MW-114					
EPA 8260	cis-1,2-Dichloroethene	1.9	ug/L	1.0	11/09/20 11:00	
EPA 8260	Vinyl chloride	12.0	ug/L	1.0	11/09/20 11:00	
40217846027	MW-114 DUP					
EPA 8260	cis-1,2-Dichloroethene	1.5	ug/L	1.0	11/09/20 09:34	
EPA 8260	Vinyl chloride	10	ug/L	1.0	11/09/20 09:34	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: TRIP BLANK **Lab ID: 40217846001** Collected: 11/03/20 08:00 Received: 11/05/20 10:00 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: TRIP BLANK **Lab ID: 40217846001** Collected: 11/03/20 08:00 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 19:43	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 19:43	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/09/20 19:43	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/09/20 19:43	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/09/20 19:43	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/09/20 19:43	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/09/20 19:43	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/09/20 19:43	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/09/20 19:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/09/20 19:43	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/09/20 19:43	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/09/20 19:43	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/09/20 19:43	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/09/20 19:43	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/09/20 19:43	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/09/20 19:43	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/09/20 19:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		11/09/20 19:43	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		11/09/20 19:43	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/09/20 19:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-112 **Lab ID: 40217846002** Collected: 11/03/20 11:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 14:04	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/06/20 14:04	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/06/20 14:04	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 14:04	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 14:04	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 14:04	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 14:04	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/06/20 14:04	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/06/20 14:04	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 14:04	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 14:04	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 14:04	75-00-3	1q
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 14:04	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 14:04	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/06/20 14:04	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/06/20 14:04	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/06/20 14:04	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 14:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/06/20 14:04	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/06/20 14:04	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 14:04	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/06/20 14:04	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/06/20 14:04	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/06/20 14:04	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 14:04	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 14:04	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 14:04	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 14:04	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 14:04	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 14:04	78-87-5	1q,M0
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/06/20 14:04	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/06/20 14:04	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/06/20 14:04	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 14:04	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 14:04	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/06/20 14:04	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 14:04	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/06/20 14:04	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/06/20 14:04	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/06/20 14:04	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 14:04	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/06/20 14:04	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/06/20 14:04	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/06/20 14:04	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 14:04	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-112 **Lab ID: 40217846002** Collected: 11/03/20 11:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 14:04	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 14:04	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 14:04	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 14:04	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 14:04	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 14:04	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 14:04	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 14:04	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 14:04	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 14:04	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 14:04	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 14:04	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 14:04	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 14:04	75-01-4	1q
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 14:04	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 14:04	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 14:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/06/20 14:04	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/06/20 14:04	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		11/06/20 14:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-107 **Lab ID: 40217846003** Collected: 11/03/20 11:20 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/10/20 01:05	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/10/20 01:05	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/10/20 01:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/10/20 01:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/10/20 01:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/10/20 01:05	74-83-9	L2
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/10/20 01:05	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/10/20 01:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/10/20 01:05	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/10/20 01:05	56-23-5	L2
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/10/20 01:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/10/20 01:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/10/20 01:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/10/20 01:05	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/10/20 01:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/10/20 01:05	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/10/20 01:05	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/10/20 01:05	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/10/20 01:05	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/10/20 01:05	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/10/20 01:05	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/10/20 01:05	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/10/20 01:05	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/10/20 01:05	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/10/20 01:05	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/10/20 01:05	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/10/20 01:05	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/10/20 01:05	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/10/20 01:05	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/10/20 01:05	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/10/20 01:05	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/10/20 01:05	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/10/20 01:05	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/10/20 01:05	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/10/20 01:05	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/10/20 01:05	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/10/20 01:05	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/10/20 01:05	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/10/20 01:05	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/10/20 01:05	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/10/20 01:05	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/10/20 01:05	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/10/20 01:05	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/10/20 01:05	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/10/20 01:05	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-107 **Lab ID: 40217846003** Collected: 11/03/20 11:20 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/10/20 01:05	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/10/20 01:05	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/10/20 01:05	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/10/20 01:05	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/10/20 01:05	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/10/20 01:05	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/10/20 01:05	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/10/20 01:05	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/10/20 01:05	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/10/20 01:05	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/10/20 01:05	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/10/20 01:05	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/10/20 01:05	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/10/20 01:05	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/10/20 01:05	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/10/20 01:05	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/10/20 01:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/10/20 01:05	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/10/20 01:05	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/10/20 01:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-105 **Lab ID: 40217846004** Collected: 11/03/20 12:10 Received: 11/05/20 10:00 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-105 **Lab ID: 40217846004** Collected: 11/03/20 12:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 20:09	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 20:09	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 20:09	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 20:09	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 20:09	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 20:09	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 20:09	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 20:09	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 20:09	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 20:09	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 20:09	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 20:09	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 20:09	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 20:09	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 20:09	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 20:09	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 20:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	70-130		1		11/06/20 20:09	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/06/20 20:09	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/06/20 20:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-110 **Lab ID: 40217846005** Collected: 11/03/20 12:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 20:30	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/06/20 20:30	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/06/20 20:30	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 20:30	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 20:30	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 20:30	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 20:30	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/06/20 20:30	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/06/20 20:30	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 20:30	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 20:30	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 20:30	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 20:30	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 20:30	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/06/20 20:30	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/06/20 20:30	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/06/20 20:30	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 20:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/06/20 20:30	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/06/20 20:30	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 20:30	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/06/20 20:30	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/06/20 20:30	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/06/20 20:30	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 20:30	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 20:30	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 20:30	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 20:30	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 20:30	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 20:30	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/06/20 20:30	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/06/20 20:30	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/06/20 20:30	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 20:30	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 20:30	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/06/20 20:30	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 20:30	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/06/20 20:30	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/06/20 20:30	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/06/20 20:30	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 20:30	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/06/20 20:30	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/06/20 20:30	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/06/20 20:30	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 20:30	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-110 **Lab ID: 40217846005** Collected: 11/03/20 12:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 20:30	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 20:30	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 20:30	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 20:30	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 20:30	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 20:30	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 20:30	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 20:30	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 20:30	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 20:30	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 20:30	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 20:30	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 20:30	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 20:30	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 20:30	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 20:30	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 20:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		1		11/06/20 20:30	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/06/20 20:30	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		11/06/20 20:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-102 **Lab ID: 40217846006** Collected: 11/03/20 13:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 20:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/06/20 20:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/06/20 20:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 20:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 20:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 20:52	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 20:52	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/06/20 20:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/06/20 20:52	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 20:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 20:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 20:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 20:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 20:52	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/06/20 20:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/06/20 20:52	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/06/20 20:52	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 20:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/06/20 20:52	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/06/20 20:52	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 20:52	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/06/20 20:52	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/06/20 20:52	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/06/20 20:52	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 20:52	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 20:52	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 20:52	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 20:52	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 20:52	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 20:52	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/06/20 20:52	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/06/20 20:52	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/06/20 20:52	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 20:52	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 20:52	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/06/20 20:52	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 20:52	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/06/20 20:52	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/06/20 20:52	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/06/20 20:52	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 20:52	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/06/20 20:52	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/06/20 20:52	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/06/20 20:52	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 20:52	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-102 **Lab ID: 40217846006** Collected: 11/03/20 13:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 20:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 20:52	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 20:52	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 20:52	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 20:52	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 20:52	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 20:52	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 20:52	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 20:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 20:52	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 20:52	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 20:52	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 20:52	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 20:52	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 20:52	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 20:52	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 20:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		11/06/20 20:52	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/06/20 20:52	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/06/20 20:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-111 **Lab ID: 40217846007** Collected: 11/03/20 13:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 21:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/06/20 21:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/06/20 21:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 21:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 21:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 21:13	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 21:13	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/06/20 21:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/06/20 21:13	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 21:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 21:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 21:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 21:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 21:13	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/06/20 21:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/06/20 21:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/06/20 21:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 21:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/06/20 21:13	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/06/20 21:13	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 21:13	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/06/20 21:13	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/06/20 21:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/06/20 21:13	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 21:13	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 21:13	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 21:13	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 21:13	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 21:13	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 21:13	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/06/20 21:13	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/06/20 21:13	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/06/20 21:13	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 21:13	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 21:13	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/06/20 21:13	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 21:13	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/06/20 21:13	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/06/20 21:13	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/06/20 21:13	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 21:13	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/06/20 21:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/06/20 21:13	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/06/20 21:13	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 21:13	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-111 **Lab ID: 40217846007** Collected: 11/03/20 13:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 21:13	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 21:13	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 21:13	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 21:13	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 21:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 21:13	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 21:13	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 21:13	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 21:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 21:13	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 21:13	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 21:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 21:13	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 21:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 21:13	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 21:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 21:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/06/20 21:13	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/06/20 21:13	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/06/20 21:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-117 **Lab ID: 40217846008** Collected: 11/03/20 14:15 Received: 11/05/20 10:00 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-117 **Lab ID: 40217846008** Collected: 11/03/20 14:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 21:35	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 21:35	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 21:35	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 21:35	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 21:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 21:35	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 21:35	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 21:35	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 21:35	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 21:35	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 21:35	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 21:35	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 21:35	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 21:35	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 21:35	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 21:35	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 21:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/06/20 21:35	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/06/20 21:35	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/06/20 21:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-101 **Lab ID: 40217846009** Collected: 11/03/20 14:20 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 21:56	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/06/20 21:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/06/20 21:56	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 21:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 21:56	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 21:56	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 21:56	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/06/20 21:56	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/06/20 21:56	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 21:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 21:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 21:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 21:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 21:56	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/06/20 21:56	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/06/20 21:56	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/06/20 21:56	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 21:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/06/20 21:56	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/06/20 21:56	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 21:56	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/06/20 21:56	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/06/20 21:56	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/06/20 21:56	75-71-8	
1,1-Dichloroethane	0.61J	ug/L	1.0	0.27	1		11/06/20 21:56	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 21:56	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 21:56	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 21:56	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 21:56	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 21:56	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/06/20 21:56	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/06/20 21:56	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/06/20 21:56	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 21:56	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 21:56	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/06/20 21:56	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 21:56	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/06/20 21:56	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/06/20 21:56	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/06/20 21:56	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 21:56	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/06/20 21:56	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/06/20 21:56	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/06/20 21:56	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 21:56	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-101 **Lab ID: 40217846009** Collected: 11/03/20 14:20 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 21:56	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 21:56	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 21:56	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 21:56	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 21:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 21:56	120-82-1	
1,1,1-Trichloroethane	0.39J	ug/L	1.0	0.24	1		11/06/20 21:56	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 21:56	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 21:56	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 21:56	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 21:56	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 21:56	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 21:56	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 21:56	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 21:56	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 21:56	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 21:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/06/20 21:56	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/06/20 21:56	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/06/20 21:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-103 **Lab ID: 40217846010** Collected: 11/03/20 15:30 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 22:17	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/06/20 22:17	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/06/20 22:17	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 22:17	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 22:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 22:17	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 22:17	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/06/20 22:17	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/06/20 22:17	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 22:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 22:17	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 22:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 22:17	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 22:17	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/06/20 22:17	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/06/20 22:17	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/06/20 22:17	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 22:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/06/20 22:17	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/06/20 22:17	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 22:17	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/06/20 22:17	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/06/20 22:17	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/06/20 22:17	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 22:17	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 22:17	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 22:17	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 22:17	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 22:17	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 22:17	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/06/20 22:17	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/06/20 22:17	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/06/20 22:17	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 22:17	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 22:17	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/06/20 22:17	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 22:17	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/06/20 22:17	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/06/20 22:17	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/06/20 22:17	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 22:17	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/06/20 22:17	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/06/20 22:17	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/06/20 22:17	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 22:17	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-103 **Lab ID: 40217846010** Collected: 11/03/20 15:30 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 22:17	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 22:17	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 22:17	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 22:17	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 22:17	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 22:17	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 22:17	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 22:17	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 22:17	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 22:17	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 22:17	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 22:17	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 22:17	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 22:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 22:17	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 22:17	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 22:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/06/20 22:17	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/06/20 22:17	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/06/20 22:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: PZ-117 **Lab ID: 40217846011** Collected: 11/03/20 15:35 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 22:39	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/06/20 22:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/06/20 22:39	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 22:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 22:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 22:39	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 22:39	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/06/20 22:39	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/06/20 22:39	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 22:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 22:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 22:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 22:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 22:39	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/06/20 22:39	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/06/20 22:39	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/06/20 22:39	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 22:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/06/20 22:39	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/06/20 22:39	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 22:39	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/06/20 22:39	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/06/20 22:39	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/06/20 22:39	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 22:39	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 22:39	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 22:39	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 22:39	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 22:39	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 22:39	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/06/20 22:39	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/06/20 22:39	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/06/20 22:39	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 22:39	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 22:39	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/06/20 22:39	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 22:39	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/06/20 22:39	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/06/20 22:39	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/06/20 22:39	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 22:39	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/06/20 22:39	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/06/20 22:39	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/06/20 22:39	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 22:39	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: PZ-117 **Lab ID: 40217846011** Collected: 11/03/20 15:35 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 22:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 22:39	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 22:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 22:39	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 22:39	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 22:39	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 22:39	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 22:39	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 22:39	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 22:39	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 22:39	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 22:39	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 22:39	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 22:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 22:39	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 22:39	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 22:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		11/06/20 22:39	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/06/20 22:39	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/06/20 22:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-116 **Lab ID: 40217846012** Collected: 11/04/20 09:05 Received: 11/05/20 10:00 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-116 **Lab ID: 40217846012** Collected: 11/04/20 09:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 23:00	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 23:00	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 23:00	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 23:00	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 23:00	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 23:00	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 23:00	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 23:00	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 23:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 23:00	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 23:00	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 23:00	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 23:00	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 23:00	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 23:00	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 23:00	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 23:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/06/20 23:00	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/06/20 23:00	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/06/20 23:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-108 **Lab ID: 40217846013** Collected: 11/04/20 09:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 23:22	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/06/20 23:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/06/20 23:22	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 23:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 23:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 23:22	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 23:22	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/06/20 23:22	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/06/20 23:22	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 23:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 23:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 23:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 23:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 23:22	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/06/20 23:22	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/06/20 23:22	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/06/20 23:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 23:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/06/20 23:22	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/06/20 23:22	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 23:22	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/06/20 23:22	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/06/20 23:22	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/06/20 23:22	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 23:22	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 23:22	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 23:22	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 23:22	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 23:22	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 23:22	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/06/20 23:22	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/06/20 23:22	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/06/20 23:22	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 23:22	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 23:22	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/06/20 23:22	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 23:22	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/06/20 23:22	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/06/20 23:22	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/06/20 23:22	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 23:22	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/06/20 23:22	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/06/20 23:22	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/06/20 23:22	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 23:22	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-108 **Lab ID: 40217846013** Collected: 11/04/20 09:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 23:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 23:22	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 23:22	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 23:22	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 23:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 23:22	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 23:22	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 23:22	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 23:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 23:22	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 23:22	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 23:22	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 23:22	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 23:22	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 23:22	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 23:22	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 23:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		11/06/20 23:22	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/06/20 23:22	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/06/20 23:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-108 DUP Lab ID: 40217846014 Collected: 11/04/20 09:15 Received: 11/05/20 10:00 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-108 DUP **Lab ID: 40217846014** Collected: 11/04/20 09:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/06/20 23:43	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 23:43	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 23:43	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 23:43	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/06/20 23:43	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/06/20 23:43	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/06/20 23:43	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 23:43	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/06/20 23:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/06/20 23:43	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/06/20 23:43	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/06/20 23:43	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/06/20 23:43	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 23:43	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 23:43	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/06/20 23:43	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/06/20 23:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		11/06/20 23:43	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/06/20 23:43	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/06/20 23:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: PZ-116 **Lab ID: 40217846015** Collected: 11/04/20 09:55 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 00:05	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 00:05	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 00:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 00:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 00:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 00:05	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:05	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 00:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 00:05	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 00:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 00:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 00:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 00:05	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 00:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 00:05	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 00:05	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 00:05	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 00:05	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 00:05	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:05	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 00:05	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 00:05	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 00:05	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 00:05	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:05	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 00:05	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 00:05	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 00:05	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:05	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 00:05	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 00:05	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 00:05	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 00:05	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 00:05	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 00:05	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 00:05	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 00:05	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 00:05	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 00:05	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 00:05	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 00:05	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 00:05	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 00:05	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 00:05	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: PZ-116 **Lab ID: 40217846015** Collected: 11/04/20 09:55 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 00:05	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:05	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 00:05	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 00:05	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 00:05	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 00:05	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 00:05	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 00:05	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 00:05	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 00:05	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 00:05	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 00:05	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 00:05	108-67-8	
Vinyl chloride	0.64J	ug/L	1.0	0.17	1		11/07/20 00:05	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 00:05	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 00:05	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 00:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		11/07/20 00:05	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/07/20 00:05	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/07/20 00:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-44 Lab ID: 40217846016 Collected: 11/04/20 10:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 00:26	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 00:26	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 00:26	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 00:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 00:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 00:26	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:26	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 00:26	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 00:26	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 00:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:26	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 00:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 00:26	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 00:26	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 00:26	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 00:26	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 00:26	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 00:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 00:26	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 00:26	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:26	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 00:26	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 00:26	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 00:26	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 00:26	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:26	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 00:26	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 00:26	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 00:26	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:26	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 00:26	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 00:26	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 00:26	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 00:26	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 00:26	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 00:26	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 00:26	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 00:26	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 00:26	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 00:26	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 00:26	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 00:26	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 00:26	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 00:26	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 00:26	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-44 **Lab ID: 40217846016** Collected: 11/04/20 10:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 00:26	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:26	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 00:26	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 00:26	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 00:26	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 00:26	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 00:26	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 00:26	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 00:26	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 00:26	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 00:26	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 00:26	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 00:26	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 00:26	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 00:26	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 00:26	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 00:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		11/07/20 00:26	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/07/20 00:26	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/07/20 00:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-31 Lab ID: 40217846017 Collected: 11/04/20 10:55 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 02:56	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 02:56	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 02:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 02:56	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 02:56	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:56	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 02:56	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 02:56	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 02:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 02:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 02:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 02:56	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 02:56	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 02:56	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 02:56	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 02:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 02:56	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 02:56	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:56	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 02:56	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 02:56	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 02:56	75-71-8	
1,1-Dichloroethane	0.39J	ug/L	1.0	0.27	1		11/07/20 02:56	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:56	107-06-2	
1,1-Dichloroethene	5.6	ug/L	1.0	0.24	1		11/07/20 02:56	75-35-4	
cis-1,2-Dichloroethene	115	ug/L	1.0	0.27	1		11/07/20 02:56	156-59-2	
trans-1,2-Dichloroethene	87.5	ug/L	1.5	0.46	1		11/07/20 02:56	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:56	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 02:56	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 02:56	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 02:56	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 02:56	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 02:56	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 02:56	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 02:56	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 02:56	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 02:56	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 02:56	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 02:56	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 02:56	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 02:56	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 02:56	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 02:56	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-31 **Lab ID: 40217846017** Collected: 11/04/20 10:55 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:56	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:56	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 02:56	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:56	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 02:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 02:56	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 02:56	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 02:56	79-00-5	
Trichloroethene	180	ug/L	1.0	0.26	1		11/07/20 02:56	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 02:56	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 02:56	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 02:56	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 02:56	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 02:56	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 02:56	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 02:56	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/07/20 02:56	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/07/20 02:56	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/07/20 02:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-109 **Lab ID: 40217846018** Collected: 11/04/20 11:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 00:48	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 00:48	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 00:48	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 00:48	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 00:48	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 00:48	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:48	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 00:48	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 00:48	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 00:48	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:48	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 00:48	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 00:48	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 00:48	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 00:48	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 00:48	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 00:48	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 00:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 00:48	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 00:48	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 00:48	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 00:48	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 00:48	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 00:48	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 00:48	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:48	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 00:48	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 00:48	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 00:48	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:48	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 00:48	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 00:48	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 00:48	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 00:48	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 00:48	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 00:48	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 00:48	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 00:48	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 00:48	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 00:48	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 00:48	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 00:48	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 00:48	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 00:48	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 00:48	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-109 **Lab ID: 40217846018** Collected: 11/04/20 11:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 00:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 00:48	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 00:48	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 00:48	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 00:48	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 00:48	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 00:48	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 00:48	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 00:48	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 00:48	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 00:48	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 00:48	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 00:48	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 00:48	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 00:48	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 00:48	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 00:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/07/20 00:48	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/07/20 00:48	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/07/20 00:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: PZ-118 Lab ID: 40217846019 Collected: 11/04/20 11:55 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 01:09	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 01:09	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 01:09	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 01:09	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 01:09	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 01:09	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:09	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 01:09	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 01:09	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 01:09	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:09	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 01:09	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 01:09	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 01:09	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 01:09	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 01:09	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 01:09	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 01:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 01:09	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 01:09	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:09	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 01:09	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 01:09	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 01:09	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 01:09	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:09	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 01:09	75-35-4	
cis-1,2-Dichloroethene	13.8	ug/L	1.0	0.27	1		11/07/20 01:09	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 01:09	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:09	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 01:09	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 01:09	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 01:09	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 01:09	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 01:09	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 01:09	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 01:09	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 01:09	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 01:09	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 01:09	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 01:09	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 01:09	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 01:09	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 01:09	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 01:09	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: PZ-118 **Lab ID: 40217846019** Collected: 11/04/20 11:55 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 01:09	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:09	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 01:09	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 01:09	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 01:09	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 01:09	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 01:09	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 01:09	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 01:09	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 01:09	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 01:09	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 01:09	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 01:09	108-67-8	
Vinyl chloride	8.8	ug/L	1.0	0.17	1		11/07/20 01:09	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 01:09	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 01:09	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 01:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/07/20 01:09	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		11/07/20 01:09	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/07/20 01:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-115 **Lab ID: 40217846020** Collected: 11/04/20 12:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 01:31	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 01:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 01:31	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 01:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 01:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 01:31	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:31	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 01:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 01:31	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 01:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 01:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 01:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 01:31	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 01:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 01:31	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 01:31	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 01:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 01:31	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 01:31	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:31	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 01:31	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 01:31	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 01:31	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 01:31	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:31	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 01:31	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 01:31	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 01:31	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:31	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 01:31	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 01:31	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 01:31	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 01:31	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 01:31	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 01:31	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 01:31	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 01:31	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 01:31	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 01:31	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 01:31	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 01:31	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 01:31	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 01:31	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 01:31	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-115 **Lab ID: 40217846020** Collected: 11/04/20 12:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 01:31	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:31	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 01:31	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 01:31	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 01:31	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 01:31	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 01:31	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 01:31	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 01:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 01:31	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 01:31	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 01:31	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 01:31	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 01:31	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 01:31	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 01:31	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 01:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/07/20 01:31	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/07/20 01:31	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/07/20 01:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-113 Lab ID: 40217846021 Collected: 11/04/20 12:55 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 01:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 01:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 01:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 01:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 01:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 01:52	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:52	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 01:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 01:52	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 01:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 01:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 01:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 01:52	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 01:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 01:52	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 01:52	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 01:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 01:52	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 01:52	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 01:52	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 01:52	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 01:52	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 01:52	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 01:52	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:52	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 01:52	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 01:52	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 01:52	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:52	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 01:52	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 01:52	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 01:52	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 01:52	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 01:52	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 01:52	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 01:52	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 01:52	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 01:52	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 01:52	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 01:52	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 01:52	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 01:52	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 01:52	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 01:52	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-113 **Lab ID: 40217846021** Collected: 11/04/20 12:55 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 01:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 01:52	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 01:52	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 01:52	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 01:52	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 01:52	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 01:52	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 01:52	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 01:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 01:52	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 01:52	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 01:52	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 01:52	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 01:52	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 01:52	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 01:52	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 01:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/07/20 01:52	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/07/20 01:52	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/07/20 01:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-80 Lab ID: 40217846022 Collected: 11/04/20 14:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 02:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 02:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 02:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 02:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 02:13	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:13	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 02:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 02:13	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 02:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 02:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 02:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 02:13	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 02:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 02:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 02:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 02:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 02:13	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 02:13	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:13	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 02:13	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 02:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 02:13	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:13	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:13	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:13	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:13	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 02:13	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:13	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 02:13	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 02:13	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 02:13	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 02:13	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 02:13	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 02:13	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 02:13	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 02:13	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 02:13	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 02:13	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 02:13	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 02:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 02:13	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 02:13	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 02:13	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-80 **Lab ID: 40217846022** Collected: 11/04/20 14:10 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:13	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 02:13	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:13	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 02:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 02:13	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 02:13	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 02:13	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 02:13	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 02:13	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 02:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 02:13	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 02:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 02:13	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 02:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		11/07/20 02:13	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/07/20 02:13	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/07/20 02:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-79 **Lab ID: 40217846023** Collected: 11/04/20 14:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/07/20 02:35	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/07/20 02:35	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/07/20 02:35	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/07/20 02:35	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/07/20 02:35	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:35	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/07/20 02:35	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/07/20 02:35	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/07/20 02:35	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:35	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/07/20 02:35	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/07/20 02:35	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/07/20 02:35	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/07/20 02:35	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/07/20 02:35	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/07/20 02:35	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/07/20 02:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/07/20 02:35	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/07/20 02:35	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/07/20 02:35	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/07/20 02:35	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/07/20 02:35	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/07/20 02:35	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:35	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:35	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/07/20 02:35	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:35	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/07/20 02:35	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:35	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/07/20 02:35	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/07/20 02:35	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/07/20 02:35	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/07/20 02:35	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/07/20 02:35	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/07/20 02:35	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/07/20 02:35	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/07/20 02:35	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/07/20 02:35	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/07/20 02:35	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/07/20 02:35	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/07/20 02:35	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/07/20 02:35	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/07/20 02:35	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/07/20 02:35	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-79 **Lab ID: 40217846023** Collected: 11/04/20 14:15 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/07/20 02:35	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/07/20 02:35	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/07/20 02:35	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/07/20 02:35	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/07/20 02:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/07/20 02:35	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/07/20 02:35	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/07/20 02:35	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:35	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/07/20 02:35	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/07/20 02:35	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/07/20 02:35	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/07/20 02:35	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/07/20 02:35	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/07/20 02:35	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/07/20 02:35	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/07/20 02:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/07/20 02:35	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/07/20 02:35	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/07/20 02:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-81 **Lab ID: 40217846024** Collected: 11/04/20 15:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/09/20 09:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/09/20 09:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/09/20 09:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/09/20 09:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/09/20 09:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/09/20 09:13	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 09:13	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/09/20 09:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/09/20 09:13	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/09/20 09:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 09:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/09/20 09:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/09/20 09:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/09/20 09:13	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/09/20 09:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/09/20 09:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/09/20 09:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/09/20 09:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/09/20 09:13	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/09/20 09:13	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 09:13	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/09/20 09:13	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/09/20 09:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/09/20 09:13	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 09:13	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 09:13	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/09/20 09:13	75-35-4	
cis-1,2-Dichloroethene	0.42J	ug/L	1.0	0.27	1		11/09/20 09:13	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/09/20 09:13	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/09/20 09:13	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/09/20 09:13	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/09/20 09:13	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/09/20 09:13	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/09/20 09:13	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/09/20 09:13	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/09/20 09:13	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/09/20 09:13	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/09/20 09:13	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/09/20 09:13	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/09/20 09:13	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/09/20 09:13	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/09/20 09:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/09/20 09:13	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/09/20 09:13	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/09/20 09:13	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-81 **Lab ID: 40217846024** Collected: 11/04/20 15:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 09:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 09:13	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/09/20 09:13	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/09/20 09:13	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/09/20 09:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/09/20 09:13	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/09/20 09:13	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/09/20 09:13	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/09/20 09:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/09/20 09:13	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/09/20 09:13	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/09/20 09:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/09/20 09:13	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/09/20 09:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/09/20 09:13	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/09/20 09:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/09/20 09:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		11/09/20 09:13	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		11/09/20 09:13	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		11/09/20 09:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-82 **Lab ID: 40217846025** Collected: 11/04/20 15:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		11/09/20 17:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		11/09/20 17:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		11/09/20 17:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/09/20 17:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/09/20 17:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/09/20 17:34	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 17:34	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		11/09/20 17:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		11/09/20 17:34	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/09/20 17:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 17:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/09/20 17:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/09/20 17:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/09/20 17:34	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		11/09/20 17:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		11/09/20 17:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		11/09/20 17:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/09/20 17:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		11/09/20 17:34	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		11/09/20 17:34	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		11/09/20 17:34	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		11/09/20 17:34	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		11/09/20 17:34	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		11/09/20 17:34	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 17:34	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 17:34	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/09/20 17:34	75-35-4	
cis-1,2-Dichloroethene	97.3	ug/L	1.0	0.27	1		11/09/20 17:34	156-59-2	
trans-1,2-Dichloroethene	9.5	ug/L	1.5	0.46	1		11/09/20 17:34	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/09/20 17:34	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		11/09/20 17:34	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		11/09/20 17:34	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		11/09/20 17:34	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/09/20 17:34	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/09/20 17:34	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		11/09/20 17:34	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/09/20 17:34	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		11/09/20 17:34	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		11/09/20 17:34	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		11/09/20 17:34	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/09/20 17:34	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		11/09/20 17:34	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		11/09/20 17:34	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		11/09/20 17:34	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		11/09/20 17:34	100-42-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-82 **Lab ID: 40217846025** Collected: 11/04/20 15:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 17:34	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 17:34	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/09/20 17:34	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/09/20 17:34	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/09/20 17:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/09/20 17:34	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/09/20 17:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/09/20 17:34	79-00-5	
Trichloroethene	5.3	ug/L	1.0	0.26	1		11/09/20 17:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/09/20 17:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/09/20 17:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/09/20 17:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/09/20 17:34	108-67-8	
Vinyl chloride	31.9	ug/L	1.0	0.17	1		11/09/20 17:34	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/09/20 17:34	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/09/20 17:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/09/20 17:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/09/20 17:34	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		11/09/20 17:34	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/09/20 17:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-114 Lab ID: 40217846026 Collected: 11/04/20 16:00 Received: 11/05/20 10:00 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-114 **Lab ID: 40217846026** Collected: 11/04/20 16:00 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 11:00	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 11:00	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/09/20 11:00	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/09/20 11:00	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/09/20 11:00	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/09/20 11:00	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/09/20 11:00	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/09/20 11:00	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/09/20 11:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/09/20 11:00	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/09/20 11:00	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/09/20 11:00	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/09/20 11:00	108-67-8	
Vinyl chloride	12.0	ug/L	1.0	0.17	1		11/09/20 11:00	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/09/20 11:00	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/09/20 11:00	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/09/20 11:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/09/20 11:00	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		11/09/20 11:00	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/09/20 11:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Sample: MW-114 DUP Lab ID: 40217846027 Collected: 11/04/20 16:05 Received: 11/05/20 10:00 Matrix: Water

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

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ANALYTICAL RESULTS

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Sample: MW-114 DUP **Lab ID: 40217846027** Collected: 11/04/20 16:05 Received: 11/05/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		11/09/20 09:34	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/09/20 09:34	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/09/20 09:34	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/09/20 09:34	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		11/09/20 09:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		11/09/20 09:34	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/09/20 09:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/09/20 09:34	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/09/20 09:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		11/09/20 09:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		11/09/20 09:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		11/09/20 09:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		11/09/20 09:34	108-67-8	
Vinyl chloride	10	ug/L	1.0	0.17	1		11/09/20 09:34	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/09/20 09:34	1330-20-7	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		11/09/20 09:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		11/09/20 09:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		11/09/20 09:34	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		11/09/20 09:34	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/09/20 09:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

QC Batch: 370489 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40217846002

METHOD BLANK: 2141964 Matrix: Water
Associated Lab Samples: 40217846002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/06/20 10:10	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/06/20 10:10	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/06/20 10:10	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/06/20 10:10	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/06/20 10:10	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/06/20 10:10	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/06/20 10:10	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	11/06/20 10:10	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/06/20 10:10	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/06/20 10:10	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/06/20 10:10	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/06/20 10:10	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/06/20 10:10	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/06/20 10:10	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/06/20 10:10	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/06/20 10:10	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/06/20 10:10	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/06/20 10:10	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/06/20 10:10	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/06/20 10:10	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/06/20 10:10	
2-Chlorotoluene	ug/L	<0.93	5.0	11/06/20 10:10	
4-Chlorotoluene	ug/L	<0.76	2.5	11/06/20 10:10	
Benzene	ug/L	<0.25	1.0	11/06/20 10:10	
Bromobenzene	ug/L	<0.24	1.0	11/06/20 10:10	
Bromochloromethane	ug/L	<0.36	5.0	11/06/20 10:10	
Bromodichloromethane	ug/L	<0.36	1.2	11/06/20 10:10	
Bromoform	ug/L	<4.0	13.2	11/06/20 10:10	
Bromomethane	ug/L	<0.97	5.0	11/06/20 10:10	
Carbon tetrachloride	ug/L	<1.1	3.6	11/06/20 10:10	
Chlorobenzene	ug/L	<0.71	2.4	11/06/20 10:10	
Chloroethane	ug/L	<1.3	5.0	11/06/20 10:10	
Chloroform	ug/L	<1.3	5.0	11/06/20 10:10	
Chloromethane	ug/L	<2.2	7.3	11/06/20 10:10	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/06/20 10:10	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/06/20 10:10	
Dibromochloromethane	ug/L	<2.6	8.7	11/06/20 10:10	
Dibromomethane	ug/L	<0.94	3.1	11/06/20 10:10	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/06/20 10:10	
Diisopropyl ether	ug/L	<1.9	6.3	11/06/20 10:10	

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

METHOD BLANK: 2141964 Matrix: Water
Associated Lab Samples: 40217846002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	11/06/20 10:10	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	11/06/20 10:10	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	11/06/20 10:10	
m&p-Xylene	ug/L	<0.47	2.0	11/06/20 10:10	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/06/20 10:10	
Methylene Chloride	ug/L	<0.58	5.0	11/06/20 10:10	
n-Butylbenzene	ug/L	<0.71	2.4	11/06/20 10:10	
n-Propylbenzene	ug/L	<0.81	5.0	11/06/20 10:10	
Naphthalene	ug/L	<1.2	5.0	11/06/20 10:10	
o-Xylene	ug/L	<0.26	1.0	11/06/20 10:10	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/06/20 10:10	
sec-Butylbenzene	ug/L	<0.85	5.0	11/06/20 10:10	
Styrene	ug/L	<3.0	10.0	11/06/20 10:10	
tert-Butylbenzene	ug/L	<0.30	1.0	11/06/20 10:10	
Tetrachloroethene	ug/L	<0.33	1.1	11/06/20 10:10	
Toluene	ug/L	<0.27	1.0	11/06/20 10:10	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	11/06/20 10:10	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/06/20 10:10	
Trichloroethene	ug/L	<0.26	1.0	11/06/20 10:10	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/06/20 10:10	
Vinyl chloride	ug/L	<0.17	1.0	11/06/20 10:10	
Xylene (Total)	ug/L	<1.5	3.0	11/06/20 10:10	
4-Bromofluorobenzene (S)	%	89	70-130	11/06/20 10:10	
Dibromofluoromethane (S)	%	104	70-130	11/06/20 10:10	
Toluene-d8 (S)	%	93	70-130	11/06/20 10:10	

LABORATORY CONTROL SAMPLE: 2141965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.6	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	41.0	82	64-131	
1,1,2-Trichloroethane	ug/L	50	41.6	83	70-130	
1,1-Dichloroethane	ug/L	50	40.2	80	69-163	
1,1-Dichloroethene	ug/L	50	40.6	81	77-123	
1,2,4-Trichlorobenzene	ug/L	50	42.2	84	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.4	83	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	44.6	89	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	39.6	79	78-142	
1,2-Dichloropropane	ug/L	50	39.8	80	86-134 L2	
1,3-Dichlorobenzene	ug/L	50	48.9	98	70-130	
1,4-Dichlorobenzene	ug/L	50	47.6	95	70-130	
Benzene	ug/L	50	40.2	80	70-130	
Bromodichloromethane	ug/L	50	42.9	86	70-130	

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

LABORATORY CONTROL SAMPLE: 2141965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	46.0	92	70-130	
Bromomethane	ug/L	50	25.8	52	39-129	
Carbon tetrachloride	ug/L	50	49.3	99	70-132	
Chlorobenzene	ug/L	50	48.4	97	70-130	
Chloroethane	ug/L	50	32.4	65	66-140	L2
Chloroform	ug/L	50	43.7	87	75-132	
Chloromethane	ug/L	50	20.6	41	32-143	
cis-1,2-Dichloroethene	ug/L	50	41.6	83	70-130	
cis-1,3-Dichloropropene	ug/L	50	40.7	81	70-130	
Dibromochloromethane	ug/L	50	49.8	100	70-130	
Dichlorodifluoromethane	ug/L	50	14.4	29	10-141	
Ethylbenzene	ug/L	50	46.0	92	80-120	
Isopropylbenzene (Cumene)	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	99.1	99	70-130	
Methyl-tert-butyl ether	ug/L	50	39.9	80	61-129	
Methylene Chloride	ug/L	50	42.0	84	70-130	
o-Xylene	ug/L	50	47.4	95	70-130	
Styrene	ug/L	50	48.6	97	70-130	
Tetrachloroethene	ug/L	50	48.8	98	70-130	
Toluene	ug/L	50	45.7	91	80-120	
trans-1,2-Dichloroethene	ug/L	50	44.5	89	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.4	85	69-130	
Trichloroethene	ug/L	50	45.5	91	70-130	
Trichlorofluoromethane	ug/L	50	38.5	77	75-145	
Vinyl chloride	ug/L	50	24.6	49	51-140	L2
Xylene (Total)	ug/L	150	146	98	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2142071 2142072

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40217846002	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	45.7	47.5	91	95	70-130	4	20		
1,1,1,2-Tetrachloroethane	ug/L	<0.28	50	50	41.3	40.3	83	81	64-137	3	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	43.4	41.8	87	84	70-137	4	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	41.9	43.0	84	86	69-163	3	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	42.5	42.5	85	85	77-129	0	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.7	47.7	91	95	68-130	4	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	41.8	39.7	84	79	60-130	5	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	48.9	45.8	98	92	70-130	7	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.4	50.9	99	102	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	41.4	42.2	83	84	78-145	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2142071		2142072		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40217846002 Result	MS Spike Conc.	MSD Spike Conc.									
1,2-Dichloropropane	ug/L	<0.28	50	50	41.6	41.0	83	82	86-135	2	20	M0	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.4	51.6	101	103	70-130	2	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	45.4	47.5	91	95	70-130	5	20		
Benzene	ug/L	<0.25	50	50	41.8	43.1	84	86	70-136	3	20		
Bromodichloromethane	ug/L	<0.36	50	50	43.6	45.0	87	90	70-130	3	20		
Bromoform	ug/L	<4.0	50	50	46.5	46.2	93	92	69-130	1	20		
Bromomethane	ug/L	<0.97	50	50	33.8	35.3	68	71	39-138	4	20		
Carbon tetrachloride	ug/L	<1.1	50	50	51.7	51.6	103	103	70-142	0	20		
Chlorobenzene	ug/L	<0.71	50	50	50.2	48.1	100	96	70-130	4	20		
Chloroethane	ug/L	<1.3	50	50	35.1	34.6	70	69	61-149	1	20		
Chloroform	ug/L	<1.3	50	50	44.6	46.4	89	93	75-133	4	20		
Chloromethane	ug/L	<2.2	50	50	22.8	22.4	46	45	32-143	2	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	43.6	44.9	87	90	70-130	3	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	41.7	43.3	83	87	70-130	4	20		
Dibromochloromethane	ug/L	<2.6	50	50	51.3	49.4	103	99	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	16.9	16.7	34	33	10-141	1	20		
Ethylbenzene	ug/L	<0.32	50	50	45.9	45.4	92	91	80-120	1	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	48.7	48.5	97	97	70-130	0	20		
m&p-Xylene	ug/L	<0.47	100	100	97.5	96.9	97	97	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	41.9	41.3	84	83	61-136	1	20		
Methylene Chloride	ug/L	<0.58	50	50	44.8	44.6	90	89	68-137	0	20		
o-Xylene	ug/L	<0.26	50	50	48.5	46.7	97	93	70-130	4	20		
Styrene	ug/L	<3.0	50	50	48.7	48.5	97	97	70-130	0	20		
Tetrachloroethene	ug/L	<0.33	50	50	49.5	48.7	99	97	70-130	2	20		
Toluene	ug/L	<0.27	50	50	45.0	43.9	90	88	80-120	2	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	46.8	46.5	94	93	70-130	1	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	42.2	40.5	84	81	69-130	4	20		
Trichloroethene	ug/L	<0.26	50	50	46.2	45.3	92	91	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	42.0	42.8	84	86	74-157	2	20		
Vinyl chloride	ug/L	<0.17	50	50	27.6	27.8	55	56	51-140	0	20		
Xylene (Total)	ug/L	<1.5	150	150	146	144	97	96	70-130	2	20		
4-Bromofluorobenzene (S)	%						94	90	70-130				
Dibromofluoromethane (S)	%						101	101	70-130				
Toluene-d8 (S)	%						93	91	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

QC Batch: 370491 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40217846004, 40217846005, 40217846006, 40217846007, 40217846008, 40217846009, 40217846010, 40217846011, 40217846012, 40217846013, 40217846014, 40217846015, 40217846016, 40217846017, 40217846018, 40217846019, 40217846020, 40217846021, 40217846022, 40217846023

METHOD BLANK: 2141969 Matrix: Water

Associated Lab Samples: 40217846004, 40217846005, 40217846006, 40217846007, 40217846008, 40217846009, 40217846010, 40217846011, 40217846012, 40217846013, 40217846014, 40217846015, 40217846016, 40217846017, 40217846018, 40217846019, 40217846020, 40217846021, 40217846022, 40217846023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/06/20 16:13	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/06/20 16:13	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/06/20 16:13	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/06/20 16:13	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/06/20 16:13	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/06/20 16:13	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/06/20 16:13	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	11/06/20 16:13	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/06/20 16:13	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/06/20 16:13	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/06/20 16:13	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/06/20 16:13	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/06/20 16:13	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/06/20 16:13	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/06/20 16:13	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/06/20 16:13	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/06/20 16:13	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/06/20 16:13	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/06/20 16:13	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/06/20 16:13	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/06/20 16:13	
2-Chlorotoluene	ug/L	<0.93	5.0	11/06/20 16:13	
4-Chlorotoluene	ug/L	<0.76	2.5	11/06/20 16:13	
Benzene	ug/L	<0.25	1.0	11/06/20 16:13	
Bromobenzene	ug/L	<0.24	1.0	11/06/20 16:13	
Bromochloromethane	ug/L	<0.36	5.0	11/06/20 16:13	
Bromodichloromethane	ug/L	<0.36	1.2	11/06/20 16:13	
Bromoform	ug/L	<4.0	13.2	11/06/20 16:13	
Bromomethane	ug/L	<0.97	5.0	11/06/20 16:13	
Carbon tetrachloride	ug/L	<1.1	3.6	11/06/20 16:13	
Chlorobenzene	ug/L	<0.71	2.4	11/06/20 16:13	
Chloroethane	ug/L	<1.3	5.0	11/06/20 16:13	
Chloroform	ug/L	<1.3	5.0	11/06/20 16:13	
Chloromethane	ug/L	<2.2	7.3	11/06/20 16:13	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/06/20 16:13	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/06/20 16:13	
Dibromochloromethane	ug/L	<2.6	8.7	11/06/20 16:13	

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

METHOD BLANK: 2141969

Matrix: Water

Associated Lab Samples: 40217846004, 40217846005, 40217846006, 40217846007, 40217846008, 40217846009, 40217846010, 40217846011, 40217846012, 40217846013, 40217846014, 40217846015, 40217846016, 40217846017, 40217846018, 40217846019, 40217846020, 40217846021, 40217846022, 40217846023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<0.94	3.1	11/06/20 16:13	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/06/20 16:13	
Diisopropyl ether	ug/L	<1.9	6.3	11/06/20 16:13	
Ethylbenzene	ug/L	<0.32	1.1	11/06/20 16:13	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	11/06/20 16:13	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	11/06/20 16:13	
m&p-Xylene	ug/L	<0.47	2.0	11/06/20 16:13	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/06/20 16:13	
Methylene Chloride	ug/L	<0.58	5.0	11/06/20 16:13	
n-Butylbenzene	ug/L	<0.71	2.4	11/06/20 16:13	
n-Propylbenzene	ug/L	<0.81	5.0	11/06/20 16:13	
Naphthalene	ug/L	<1.2	5.0	11/06/20 16:13	
o-Xylene	ug/L	<0.26	1.0	11/06/20 16:13	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/06/20 16:13	
sec-Butylbenzene	ug/L	<0.85	5.0	11/06/20 16:13	
Styrene	ug/L	<3.0	10.0	11/06/20 16:13	
tert-Butylbenzene	ug/L	<0.30	1.0	11/06/20 16:13	
Tetrachloroethene	ug/L	<0.33	1.1	11/06/20 16:13	
Toluene	ug/L	<0.27	1.0	11/06/20 16:13	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	11/06/20 16:13	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/06/20 16:13	
Trichloroethene	ug/L	<0.26	1.0	11/06/20 16:13	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/06/20 16:13	
Vinyl chloride	ug/L	<0.17	1.0	11/06/20 16:13	
Xylene (Total)	ug/L	<1.5	3.0	11/06/20 16:13	
4-Bromofluorobenzene (S)	%	84	70-130	11/06/20 16:13	
Dibromofluoromethane (S)	%	97	70-130	11/06/20 16:13	
Toluene-d8 (S)	%	91	70-130	11/06/20 16:13	

LABORATORY CONTROL SAMPLE: 2141970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	46.8	94	64-131	
1,1,2-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethane	ug/L	50	51.5	103	69-163	
1,1-Dichloroethene	ug/L	50	48.6	97	77-123	
1,2,4-Trichlorobenzene	ug/L	50	44.2	88	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	38.4	77	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.3	111	70-130	
1,2-Dichlorobenzene	ug/L	50	54.9	110	70-130	
1,2-Dichloroethane	ug/L	50	51.7	103	78-142	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

LABORATORY CONTROL SAMPLE: 2141970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/L	50	55.4	111	86-134	
1,3-Dichlorobenzene	ug/L	50	54.5	109	70-130	
1,4-Dichlorobenzene	ug/L	50	53.3	107	70-130	
Benzene	ug/L	50	47.2	94	70-130	
Bromodichloromethane	ug/L	50	50.9	102	70-130	
Bromoform	ug/L	50	51.6	103	70-130	
Bromomethane	ug/L	50	43.8	88	39-129	
Carbon tetrachloride	ug/L	50	55.6	111	70-132	
Chlorobenzene	ug/L	50	53.0	106	70-130	
Chloroethane	ug/L	50	46.1	92	66-140	
Chloroform	ug/L	50	48.5	97	75-132	
Chloromethane	ug/L	50	39.2	78	32-143	
cis-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.6	107	70-130	
Dibromochloromethane	ug/L	50	50.8	102	70-130	
Dichlorodifluoromethane	ug/L	50	28.8	58	10-141	
Ethylbenzene	ug/L	50	50.7	101	80-120	
Isopropylbenzene (Cumene)	ug/L	50	54.3	109	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	44.6	89	61-129	
Methylene Chloride	ug/L	50	45.7	91	70-130	
o-Xylene	ug/L	50	52.9	106	70-130	
Styrene	ug/L	50	48.4	97	70-130	
Tetrachloroethene	ug/L	50	56.8	114	70-130	
Toluene	ug/L	50	48.2	96	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.1	84	69-130	
Trichloroethene	ug/L	50	53.1	106	70-130	
Trichlorofluoromethane	ug/L	50	49.6	99	75-145	
Vinyl chloride	ug/L	50	43.0	86	51-140	
Xylene (Total)	ug/L	150	160	107	70-130	
4-Bromofluorobenzene (S)	%			91	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			89	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2142073 2142074

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40217846004	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	52.4	51.4	105	103	70-130	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	48.3	46.6	97	93	64-137	4	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	48.4	47.3	97	95	70-137	2	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	50.2	49.9	100	100	69-163	1	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	48.4	47.2	97	94	77-129	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	43.7	43.0	87	86	68-130	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

Parameter	Units	2142073		2142074		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40217846004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	40.2	38.5	80	77	60-130	4	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	54.1	52.3	108	105	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	54.4	54.4	109	109	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	50.5	49.3	101	99	78-145	3	20		
1,2-Dichloropropane	ug/L	<0.28	50	50	54.1	53.2	108	106	86-135	2	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	54.9	54.6	110	109	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	53.9	53.7	108	107	70-130	0	20		
Benzene	ug/L	<0.25	50	50	46.1	45.6	92	91	70-136	1	20		
Bromodichloromethane	ug/L	<0.36	50	50	50.2	49.5	100	99	70-130	1	20		
Bromoform	ug/L	<4.0	50	50	51.3	48.9	103	98	69-130	5	20		
Bromomethane	ug/L	<0.97	50	50	44.8	43.3	90	87	39-138	3	20		
Carbon tetrachloride	ug/L	<1.1	50	50	54.9	54.5	110	109	70-142	1	20		
Chlorobenzene	ug/L	<0.71	50	50	52.5	52.2	105	104	70-130	1	20		
Chloroethane	ug/L	<1.3	50	50	44.8	45.6	90	91	61-149	2	20		
Chloroform	ug/L	<1.3	50	50	47.3	47.1	95	94	75-133	0	20		
Chloromethane	ug/L	<2.2	50	50	38.2	38.4	76	77	32-143	0	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	47.2	46.6	94	93	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	53.8	52.5	108	105	70-130	3	20		
Dibromochloromethane	ug/L	<2.6	50	50	49.6	47.9	99	96	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	25.3	25.6	51	51	10-141	1	20		
Ethylbenzene	ug/L	<0.32	50	50	51.3	50.0	103	100	80-120	2	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	54.5	52.7	109	105	70-130	3	20		
m&p-Xylene	ug/L	<0.47	100	100	108	104	108	104	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	42.5	42.0	85	84	61-136	1	20		
Methylene Chloride	ug/L	<0.58	50	50	45.1	44.2	90	88	68-137	2	20		
o-Xylene	ug/L	<0.26	50	50	51.8	51.0	104	102	70-130	2	20		
Styrene	ug/L	<3.0	50	50	47.4	46.7	95	93	70-130	1	20		
Tetrachloroethene	ug/L	<0.33	50	50	57.0	56.6	114	113	70-130	1	20		
Toluene	ug/L	<0.27	50	50	48.0	47.2	96	94	80-120	2	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	50.0	49.9	100	100	70-130	0	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	41.1	39.6	82	79	69-130	4	20		
Trichloroethene	ug/L	<0.26	50	50	52.8	52.2	106	104	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	48.9	48.5	98	97	74-157	1	20		
Vinyl chloride	ug/L	<0.17	50	50	42.7	41.2	85	82	51-140	4	20		
Xylene (Total)	ug/L	<1.5	150	150	160	155	106	104	70-130	3	20		
4-Bromofluorobenzene (S)	%						91	91	70-130				
Dibromofluoromethane (S)	%						98	96	70-130				
Toluene-d8 (S)	%						92	90	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

QC Batch: 370587 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40217846024, 40217846025, 40217846026, 40217846027

METHOD BLANK: 2143192 Matrix: Water
Associated Lab Samples: 40217846024, 40217846025, 40217846026, 40217846027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/09/20 07:05	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/09/20 07:05	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/09/20 07:05	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/09/20 07:05	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/09/20 07:05	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/09/20 07:05	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/09/20 07:05	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	11/09/20 07:05	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/09/20 07:05	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/09/20 07:05	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/09/20 07:05	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/09/20 07:05	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/09/20 07:05	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/09/20 07:05	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/09/20 07:05	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/09/20 07:05	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/09/20 07:05	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/09/20 07:05	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/09/20 07:05	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/09/20 07:05	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/09/20 07:05	
2-Chlorotoluene	ug/L	<0.93	5.0	11/09/20 07:05	
4-Chlorotoluene	ug/L	<0.76	2.5	11/09/20 07:05	
Benzene	ug/L	<0.25	1.0	11/09/20 07:05	
Bromobenzene	ug/L	<0.24	1.0	11/09/20 07:05	
Bromochloromethane	ug/L	<0.36	5.0	11/09/20 07:05	
Bromodichloromethane	ug/L	<0.36	1.2	11/09/20 07:05	
Bromoform	ug/L	<4.0	13.2	11/09/20 07:05	
Bromomethane	ug/L	<0.97	5.0	11/09/20 07:05	
Carbon tetrachloride	ug/L	<1.1	3.6	11/09/20 07:05	
Chlorobenzene	ug/L	<0.71	2.4	11/09/20 07:05	
Chloroethane	ug/L	<1.3	5.0	11/09/20 07:05	
Chloroform	ug/L	<1.3	5.0	11/09/20 07:05	
Chloromethane	ug/L	<2.2	7.3	11/09/20 07:05	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/09/20 07:05	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/09/20 07:05	
Dibromochloromethane	ug/L	<2.6	8.7	11/09/20 07:05	
Dibromomethane	ug/L	<0.94	3.1	11/09/20 07:05	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/09/20 07:05	
Diisopropyl ether	ug/L	<1.9	6.3	11/09/20 07:05	

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

METHOD BLANK: 2143192 Matrix: Water
Associated Lab Samples: 40217846024, 40217846025, 40217846026, 40217846027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	11/09/20 07:05	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	11/09/20 07:05	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	11/09/20 07:05	
m&p-Xylene	ug/L	<0.47	2.0	11/09/20 07:05	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/09/20 07:05	
Methylene Chloride	ug/L	<0.58	5.0	11/09/20 07:05	
n-Butylbenzene	ug/L	<0.71	2.4	11/09/20 07:05	
n-Propylbenzene	ug/L	<0.81	5.0	11/09/20 07:05	
Naphthalene	ug/L	<1.2	5.0	11/09/20 07:05	
o-Xylene	ug/L	<0.26	1.0	11/09/20 07:05	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/09/20 07:05	
sec-Butylbenzene	ug/L	<0.85	5.0	11/09/20 07:05	
Styrene	ug/L	<3.0	10.0	11/09/20 07:05	
tert-Butylbenzene	ug/L	<0.30	1.0	11/09/20 07:05	
Tetrachloroethene	ug/L	<0.33	1.1	11/09/20 07:05	
Toluene	ug/L	<0.27	1.0	11/09/20 07:05	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	11/09/20 07:05	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/09/20 07:05	
Trichloroethene	ug/L	<0.26	1.0	11/09/20 07:05	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/09/20 07:05	
Vinyl chloride	ug/L	<0.17	1.0	11/09/20 07:05	
Xylene (Total)	ug/L	<1.5	3.0	11/09/20 07:05	
4-Bromofluorobenzene (S)	%	84	70-130	11/09/20 07:05	
Dibromofluoromethane (S)	%	95	70-130	11/09/20 07:05	
Toluene-d8 (S)	%	91	70-130	11/09/20 07:05	

LABORATORY CONTROL SAMPLE: 2143193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.8	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.6	91	64-131	
1,1,2-Trichloroethane	ug/L	50	48.8	98	70-130	
1,1-Dichloroethane	ug/L	50	46.5	93	69-163	
1,1-Dichloroethene	ug/L	50	43.6	87	77-123	
1,2,4-Trichlorobenzene	ug/L	50	43.6	87	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	38.8	78	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.7	105	70-130	
1,2-Dichlorobenzene	ug/L	50	53.7	107	70-130	
1,2-Dichloroethane	ug/L	50	49.8	100	78-142	
1,2-Dichloropropane	ug/L	50	53.8	108	86-134	
1,3-Dichlorobenzene	ug/L	50	53.1	106	70-130	
1,4-Dichlorobenzene	ug/L	50	52.2	104	70-130	
Benzene	ug/L	50	43.8	88	70-130	
Bromodichloromethane	ug/L	50	50.7	101	70-130	

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

LABORATORY CONTROL SAMPLE: 2143193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	52.6	105	70-130	
Bromomethane	ug/L	50	28.4	57	39-129	
Carbon tetrachloride	ug/L	50	52.0	104	70-132	
Chlorobenzene	ug/L	50	52.3	105	70-130	
Chloroethane	ug/L	50	39.8	80	66-140	
Chloroform	ug/L	50	45.5	91	75-132	
Chloromethane	ug/L	50	29.7	59	32-143	
cis-1,2-Dichloroethene	ug/L	50	45.6	91	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.9	108	70-130	
Dibromochloromethane	ug/L	50	48.8	98	70-130	
Dichlorodifluoromethane	ug/L	50	18.3	37	10-141	
Ethylbenzene	ug/L	50	50.0	100	80-120	
Isopropylbenzene (Cumene)	ug/L	50	53.3	107	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	40.7	81	61-129	
Methylene Chloride	ug/L	50	41.4	83	70-130	
o-Xylene	ug/L	50	52.0	104	70-130	
Styrene	ug/L	50	48.1	96	70-130	
Tetrachloroethene	ug/L	50	55.2	110	70-130	
Toluene	ug/L	50	46.6	93	80-120	
trans-1,2-Dichloroethene	ug/L	50	45.9	92	70-130	
trans-1,3-Dichloropropene	ug/L	50	41.4	83	69-130	
Trichloroethene	ug/L	50	52.3	105	70-130	
Trichlorofluoromethane	ug/L	50	43.5	87	75-145	
Vinyl chloride	ug/L	50	34.5	69	51-140	
Xylene (Total)	ug/L	150	158	105	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			90	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2143227 2143228

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40217846024	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	46.6	48.4	93	97	70-130	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	42.1	44.2	84	88	64-137	5	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	44.5	47.2	89	94	70-137	6	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	43.4	45.7	87	91	69-163	5	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	40.2	42.3	80	85	77-129	5	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	41.5	44.1	83	88	68-130	6	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	35.8	38.2	72	76	60-130	7	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	49.3	51.0	99	102	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.4	52.3	99	105	70-130	6	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	44.9	47.9	90	96	78-145	6	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2143227		2143228		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40217846024 Result	MS Spike Conc.	MSD Spike Conc.								
1,2-Dichloropropane	ug/L	<0.28	50	50	49.8	52.3	100	105	86-135	5	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.2	52.4	98	105	70-130	6	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	47.8	50.8	96	102	70-130	6	20	
Benzene	ug/L	<0.25	50	50	40.7	42.6	81	85	70-136	5	20	
Bromodichloromethane	ug/L	<0.36	50	50	46.4	48.9	93	98	70-130	5	20	
Bromoform	ug/L	<4.0	50	50	48.8	51.8	98	104	69-130	6	20	
Bromomethane	ug/L	<0.97	50	50	27.4	28.8	55	58	39-138	5	20	
Carbon tetrachloride	ug/L	<1.1	50	50	47.9	51.3	96	103	70-142	7	20	
Chlorobenzene	ug/L	<0.71	50	50	48.8	50.2	98	100	70-130	3	20	
Chloroethane	ug/L	<1.3	50	50	37.7	39.1	75	78	61-149	4	20	
Chloroform	ug/L	<1.3	50	50	42.7	44.8	85	90	75-133	5	20	
Chloromethane	ug/L	<2.2	50	50	26.7	27.7	53	55	32-143	4	20	
cis-1,2-Dichloroethene	ug/L	0.42J	50	50	42.0	44.1	83	87	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	49.8	52.8	100	106	70-130	6	20	
Dibromochloromethane	ug/L	<2.6	50	50	46.1	48.6	92	97	70-130	5	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	16.9	17.7	34	35	10-141	5	20	
Ethylbenzene	ug/L	<0.32	50	50	46.2	48.2	92	96	80-120	4	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	49.2	52.1	98	104	70-130	6	20	
m&p-Xylene	ug/L	<0.47	100	100	97.9	102	98	102	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	38.2	40.3	76	81	61-136	5	20	
Methylene Chloride	ug/L	<0.58	50	50	38.8	40.8	78	82	68-137	5	20	
o-Xylene	ug/L	<0.26	50	50	47.4	49.9	95	100	70-130	5	20	
Styrene	ug/L	<3.0	50	50	44.5	46.6	89	93	70-130	5	20	
Tetrachloroethene	ug/L	<0.33	50	50	51.7	54.1	103	108	70-130	5	20	
Toluene	ug/L	<0.27	50	50	43.4	45.3	87	91	80-120	4	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	42.5	45.4	85	91	70-130	7	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	39.4	41.1	79	82	69-130	4	20	
Trichloroethene	ug/L	<0.26	50	50	48.3	50.2	97	100	70-130	4	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	40.5	42.7	81	85	74-157	5	20	
Vinyl chloride	ug/L	<0.17	50	50	32.2	33.9	64	68	51-140	5	20	
Xylene (Total)	ug/L	<1.5	150	150	145	152	97	101	70-130	5	20	
4-Bromofluorobenzene (S)	%						92	94	70-130			
Dibromofluoromethane (S)	%						96	97	70-130			
Toluene-d8 (S)	%						92	91	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

QC Batch: 370627 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40217846001, 40217846003

METHOD BLANK: 2143324 Matrix: Water

Associated Lab Samples: 40217846001, 40217846003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	11/09/20 15:46	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	11/09/20 15:46	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	11/09/20 15:46	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	11/09/20 15:46	
1,1-Dichloroethane	ug/L	<0.27	1.0	11/09/20 15:46	
1,1-Dichloroethene	ug/L	<0.24	1.0	11/09/20 15:46	
1,1-Dichloropropene	ug/L	<0.54	1.8	11/09/20 15:46	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	11/09/20 15:46	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	11/09/20 15:46	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	11/09/20 15:46	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	11/09/20 15:46	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	11/09/20 15:46	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	11/09/20 15:46	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	11/09/20 15:46	
1,2-Dichloroethane	ug/L	<0.28	1.0	11/09/20 15:46	
1,2-Dichloropropane	ug/L	<0.28	1.0	11/09/20 15:46	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	11/09/20 15:46	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	11/09/20 15:46	
1,3-Dichloropropane	ug/L	<0.83	2.8	11/09/20 15:46	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	11/09/20 15:46	
2,2-Dichloropropane	ug/L	<2.3	7.6	11/09/20 15:46	
2-Chlorotoluene	ug/L	<0.93	5.0	11/09/20 15:46	
4-Chlorotoluene	ug/L	<0.76	2.5	11/09/20 15:46	
Benzene	ug/L	<0.25	1.0	11/09/20 15:46	
Bromobenzene	ug/L	<0.24	1.0	11/09/20 15:46	
Bromochloromethane	ug/L	<0.36	5.0	11/09/20 15:46	
Bromodichloromethane	ug/L	<0.36	1.2	11/09/20 15:46	
Bromoform	ug/L	<4.0	13.2	11/09/20 15:46	
Bromomethane	ug/L	<0.97	5.0	11/09/20 15:46	
Carbon tetrachloride	ug/L	<1.1	3.6	11/09/20 15:46	
Chlorobenzene	ug/L	<0.71	2.4	11/09/20 15:46	
Chloroethane	ug/L	<1.3	5.0	11/09/20 15:46	
Chloroform	ug/L	<1.3	5.0	11/09/20 15:46	
Chloromethane	ug/L	<2.2	7.3	11/09/20 15:46	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	11/09/20 15:46	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	11/09/20 15:46	
Dibromochloromethane	ug/L	<2.6	8.7	11/09/20 15:46	
Dibromomethane	ug/L	<0.94	3.1	11/09/20 15:46	
Dichlorodifluoromethane	ug/L	<0.50	5.0	11/09/20 15:46	
Diisopropyl ether	ug/L	<1.9	6.3	11/09/20 15:46	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

METHOD BLANK: 2143324

Matrix: Water

Associated Lab Samples: 40217846001, 40217846003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	11/09/20 15:46	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	11/09/20 15:46	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	11/09/20 15:46	
m&p-Xylene	ug/L	<0.47	2.0	11/09/20 15:46	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	11/09/20 15:46	
Methylene Chloride	ug/L	<0.58	5.0	11/09/20 15:46	
n-Butylbenzene	ug/L	<0.71	2.4	11/09/20 15:46	
n-Propylbenzene	ug/L	<0.81	5.0	11/09/20 15:46	
Naphthalene	ug/L	<1.2	5.0	11/09/20 15:46	
o-Xylene	ug/L	<0.26	1.0	11/09/20 15:46	
p-Isopropyltoluene	ug/L	<0.80	2.7	11/09/20 15:46	
sec-Butylbenzene	ug/L	<0.85	5.0	11/09/20 15:46	
Styrene	ug/L	<3.0	10.0	11/09/20 15:46	
tert-Butylbenzene	ug/L	<0.30	1.0	11/09/20 15:46	
Tetrachloroethene	ug/L	<0.33	1.1	11/09/20 15:46	
Toluene	ug/L	<0.27	1.0	11/09/20 15:46	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	11/09/20 15:46	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	11/09/20 15:46	
Trichloroethene	ug/L	<0.26	1.0	11/09/20 15:46	
Trichlorofluoromethane	ug/L	<0.21	1.0	11/09/20 15:46	
Vinyl chloride	ug/L	<0.17	1.0	11/09/20 15:46	
Xylene (Total)	ug/L	<1.5	3.0	11/09/20 15:46	
4-Bromofluorobenzene (S)	%	85	70-130	11/09/20 15:46	
Dibromofluoromethane (S)	%	91	70-130	11/09/20 15:46	
Toluene-d8 (S)	%	89	70-130	11/09/20 15:46	

LABORATORY CONTROL SAMPLE: 2143325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.5	93	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	43.9	88	64-131	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	48.1	96	69-163	
1,1-Dichloroethene	ug/L	50	46.0	92	77-123	
1,2,4-Trichlorobenzene	ug/L	50	44.3	89	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	37.9	76	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.5	103	70-130	
1,2-Dichlorobenzene	ug/L	50	54.3	109	70-130	
1,2-Dichloroethane	ug/L	50	50.7	101	78-142	
1,2-Dichloropropane	ug/L	50	54.9	110	86-134	
1,3-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,4-Dichlorobenzene	ug/L	50	53.5	107	70-130	
Benzene	ug/L	50	45.6	91	70-130	
Bromodichloromethane	ug/L	50	47.2	94	70-130	

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QUALITY CONTROL DATA

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

LABORATORY CONTROL SAMPLE: 2143325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	49.7	99	70-130	
Bromomethane	ug/L	50	6.9	14	39-129	L2
Carbon tetrachloride	ug/L	50	30.3	61	70-132	L2
Chlorobenzene	ug/L	50	53.1	106	70-130	
Chloroethane	ug/L	50	41.1	82	66-140	
Chloroform	ug/L	50	47.3	95	75-132	
Chloromethane	ug/L	50	16.2	32	32-143	
cis-1,2-Dichloroethene	ug/L	50	47.0	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	70-130	
Dibromochloromethane	ug/L	50	46.6	93	70-130	
Dichlorodifluoromethane	ug/L	50	17.5	35	10-141	
Ethylbenzene	ug/L	50	50.7	101	80-120	
Isopropylbenzene (Cumene)	ug/L	50	54.3	109	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	35.1	70	61-129	
Methylene Chloride	ug/L	50	44.3	89	70-130	
o-Xylene	ug/L	50	52.4	105	70-130	
Styrene	ug/L	50	48.7	97	70-130	
Tetrachloroethene	ug/L	50	56.7	113	70-130	
Toluene	ug/L	50	47.9	96	80-120	
trans-1,2-Dichloroethene	ug/L	50	47.4	95	70-130	
trans-1,3-Dichloropropene	ug/L	50	37.0	74	69-130	
Trichloroethene	ug/L	50	54.7	109	70-130	
Trichlorofluoromethane	ug/L	50	44.4	89	75-145	
Vinyl chloride	ug/L	50	34.2	68	51-140	
Xylene (Total)	ug/L	150	161	107	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			91	70-130	

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QUALIFIERS

Project: 60623269 KEP PERIMETER GW

Pace Project No.: 40217846

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|--|
| 1q | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low. Insufficient volume for re-analysis at a lower dilution. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low. |
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60623269 KEP PERIMETER GW
Pace Project No.: 40217846

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40217846001	TRIP BLANK	EPA 8260	370627		
40217846002	MW-112	EPA 8260	370489		
40217846003	MW-107	EPA 8260	370627		
40217846004	MW-105	EPA 8260	370491		
40217846005	MW-110	EPA 8260	370491		
40217846006	MW-102	EPA 8260	370491		
40217846007	MW-111	EPA 8260	370491		
40217846008	MW-117	EPA 8260	370491		
40217846009	MW-101	EPA 8260	370491		
40217846010	MW-103	EPA 8260	370491		
40217846011	PZ-117	EPA 8260	370491		
40217846012	MW-116	EPA 8260	370491		
40217846013	MW-108	EPA 8260	370491		
40217846014	MW-108 DUP	EPA 8260	370491		
40217846015	PZ-116	EPA 8260	370491		
40217846016	MW-44	EPA 8260	370491		
40217846017	MW-31	EPA 8260	370491		
40217846018	MW-109	EPA 8260	370491		
40217846019	PZ-118	EPA 8260	370491		
40217846020	MW-115	EPA 8260	370491		
40217846021	MW-113	EPA 8260	370491		
40217846022	MW-80	EPA 8260	370491		
40217846023	MW-79	EPA 8260	370491		
40217846024	MW-81	EPA 8260	370587		
40217846025	MW-82	EPA 8260	370587		
40217846026	MW-114	EPA 8260	370587		
40217846027	MW-114 DUP	EPA 8260	370587		

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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.

40217840

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: AECOM - Milw		Report To: Lanette Allenbach		Attention: Accounts Payable/Finance Department	
Address: 1555 N. River Center Dr., Suite 214 Milwaukee, WI 53212		Copy To: Joel Mackinney		Company Name: City of Kenosha	
Email To: Lanette.Allenbach@aecom.com		Purchase Order No.: 200476		Address: 662 52nd St., Kenosha, WI 53140	
Phone: 414-577-1363 Fax:		Project Name: KEP Perimeter GW		Pace Quote Reference:	
Requested Due Date/TAT: Standard		Project Number: 60623269		Pace Project Manager: Chris Hyska	
		Valid Matrix Codes		Pace Profile #: (2430) Kenosha work	

ITEM #	Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE	Matrix	CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES						Requested Amt	Filtered (Y/N)	LOCATION	SITE	REGULATORY AGENCY	Pace Project Number	Lab I.D.
				DATE	TIME			DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl							
1	Trip Blank	WT		11/3/20	0800		2	X											001	
2	MW-112	WT			1105		3	X											002	
3	MW-107	WT			1120		3	X											003	
4	MW-105	WT			1210		3	X											004	
5	MW-110	WT			1215		3	X											005	
6	MW-102	WT			1315		3	X											006	
7	MW-111	WT			1315		3	X											007	
8	MW-117	WT			1415		3	X											008	
9	MW-101	WT			1420		3	X											009	
10	MW-103	WT			1530		3	X											010	
11	PZ-117	WT		1	1535		3	X											011	
12	MW-116	WT			11420	0905	3	X											012	

Additional Comments:

1 - Updated per Joel M. 11/6/2020 CDH

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP IN °C	Received on	Sealed Cooler	Samples Intact
Joel Mackinney Aecom	11/4/20	1730	Mackinney, J	11-5-20	1000		Y/N	Y/N	Y/N
CS Logistics	11-5-20	1000	Mackinney, J				Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joel Mackinney
 SIGNATURE of SAMPLER: *Joel Mackinney*
 DATE Signed (MM/DD/YY): 11/4/2020



CHAIN-OF-CUSTODY / Analytical Request Document

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

4021-8846

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: Joel Mackinnay
 Purchase Order No.: 200476
 Project Name: KEP Perimeter GW
 Project Number: 60623269

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 GROUND WATER DRINKING WATER
 UST RCRA OTHER
 SITE GA IL IN MI NC
 LOCATION OH SC WI OTHER

ITEM #	Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE	Matrix Codes DRINKING WATER WASTE WATER PRODUCT SOLID AIR WIRE OTHER ISSUE	CODE BY WW P SL WP AR OT IS	MATRIX CODE	SAMPLE TYPE	Q+GRAB C-COMP	COLLECTED			# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Requested Ant	Filtered (Y/N)	Face Project Number Lab ID
							COMPOSITE START DATE	COMPOSITE END/GRAB DATE	TIME					
1	MW-108			WT				11/4/20	0910		3	X		013
2	MW-108 Dup			WT					0915		3	X		014
3	PZ-116			WT					0955		3	X		015
4	MW-44			WT					1010		3	X		016
5	MW-31			WT					1055		3	X		017
6	MW-109			WT					1110		3	X		018
7	PZ-118			WT					1155		3	X		019
8	MW-115			WT					1210		3	X		020
9	MW-113			WT					1255		3	X		021
10	MW-80			WT					1410		3	X		022
11	MW-79			WT					1415		3	X		023
12	MW-81			WT				1	1505		3	X		024

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Joel Mackinnay Aecom	11/4/20	1730				
CS Geojitks	11-5-20	1000	Mackinnay-J Perimeter	11-5-20	1000	ROT

1 - Updated per Joel.M. 11/6/2020 CDH

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Joel Mackinnay
 SIGNATURE of SAMPLER: Joel Mackinnay
 DATE Signed (MM/DD/YYYY) 11/9/2020

CHAIN-OF-CUSTODY / Analytical Request Document

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

40217816

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company: AECOM - MW		Report To: Lanelle Altenbach		Attention: Account Payable/Finance Department	
Address: 1555 N. River Center Dr., Suite 214		Copy To: Joel Mackinney		Company Name: City of Kenosha	
Mwaukee, WI 53212		Purchase Order No.: 200476		Address: 652 52nd St., Kenosha, WI 53140	
Email To: Lanelle.Altенbach@aecom.com		Project Name: KEP Perimeter GW		Pace Quote Reference:	
Phone: 414-571-1363		Project Number: 60623269		Pace Project Manager: Chris Hyska	
Requested Due Date/TAT: Standard		Valid Matrix Codes		Pace Profile #: (2430) Kenosha work	

ITEM #	Section D Required Client Information	MATRIX	CODE	COLLECTED		# OF CONTAINERS	PRESERVATIVES						Request Ant	Requested	Pace Project Number	Lab ID
				DATE	TIME		DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl				
1	MW-82	DRINKING WATER	WT	11/4/20	1505	3				X						075
2	MW-114	WASTE WATER	WT	1600		3			X							076
3	MW-114 Dup	PRODUCT	WT	1605		3			X							077
4		LIQUID	WT													
5		OIL	WT													
6		WIFE	WT													
7		AIR	WT													
8		TISSUE	WT													
9			WT													
10			WT													
11			WT													
12			WT													

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Joel Mackinney AECOM	11/4/20	1730	Maedine Johnson Fore	11-5-20	1000	Received on Ice Y/N Custody Sealed Cooler Y/N Samples Intact Y/N
CS Logistics						

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joel Mackinney

SIGNATURE of SAMPLER: *Joel Mackinney*

DATE Signed (MM/DD/YY): 11/4/2020

Sample Condition Upon Receipt Form (SCUR)

Client Name: Alcom

Project #: _____

WO# : 40217846



40217846

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

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: hot / Corr: _____

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

Person examining contents:
Date: 11-5-20 / Initials: MLR
Labeled By Initials: MLR

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>sample type, date 02-014-024 MLR</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>11-5-20</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>date 02-011 "11/3/20", date 04-024 "11/4/20"</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>MLR 11-5-20</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>455</u>		

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

Person Contacted: Joel Mackinney Date/Time: 11/6/2020

Comments/ Resolution: _____

Collection dates confirmed per client. 11/6/2020 CDH