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October 13, 2021

Ms. Jennifer Dorman
Environmental Program Associate
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1027 W. St. Paul Avenue
Milwaukee, WI 53233

Subject: **Groundwater Monitoring Progress Report**
Milwaukee Die Casting Company Site
4132 North Holton Street, Milwaukee, Wisconsin
WDNR BRRTS # 02-41-000023
WDNR FID # 241228240

Dear Ms. Dorman,

We are providing this first semiannual *Groundwater Monitoring Progress Report* ("Report") to the Wisconsin Department of Natural Resources (WDNR) for the Milwaukee Die Casting Company Site ("Site") pursuant to the WDNR-approved June 15, 2021 *Additional Groundwater Investigation Work Plan and Groundwater Monitoring Plan* ("Plan"). This letter is being submitted on behalf of Pharmacia LLC (Pharmacia), which is acting on behalf of Fisher Controls International, Inc. (Fisher) in this matter.[1]

This Report provides the groundwater monitoring purpose and report basis, results of the July 2021 groundwater monitoring event,[2] a data trend evaluation, and a summary of planned activities. The Wisconsin Administrative Code NR 712.09 submittal certification is provided in **Attachment 1**.

Purpose and Report Basis

Monitored natural attenuation (MNA) groundwater monitoring is being conducted at the Site in accordance with the Plan to collect sufficient data to confirm that post-removal action residual chlorinated volatile organic compound (CVOC) concentrations greater than NR 140 enforcement standards (ESs) are effectively naturally attenuating.

[1] By submitting this Report, neither Pharmacia nor Fisher is waiving any of its rights under federal or state law. Additionally, nothing in this Report should be deemed an admission of fact or law, or a waiver of any defense or right to contest Pharmacia's or Fisher's liability under any state or federal law.

[2] The July 2021 groundwater monitoring event is the first conducted pursuant to the Plan and the associated August 6, 2021 WDNR conditional approval letter, and is the fourth consecutive quarterly groundwater monitoring event.

This Report was prepared in accordance with Wisconsin Administrative Code NR 724.13(3) and WDNR Form 4400-194[3] and pursuant to the following:

- June 15, 2021 *Additional Groundwater Investigation Work Plan and Groundwater Monitoring Plan.*
- July 7, 2021 *July 2021 Groundwater Monitoring Event Notification.*
- WDNR's August 6, 2021 *Review of Supplemental Site Investigation Report and Additional Groundwater Investigation Work Plan and Groundwater Monitoring Plan* letter.

Site background information and previous groundwater monitoring data are documented in the May 11, 2021 *Supplemental Site Investigation Report* and the June 15, 2021 *Additional Groundwater Investigation Work Plan and Groundwater Monitoring Plan*.

July 2021 Groundwater Monitoring Event

Pursuant to a July 7, 2021 *July 2021 Groundwater Monitoring Event Notification* letter, a fourth quarterly round of groundwater sampling was conducted on July 21 and 22, 2021. The following is a summary of the July 2021 groundwater sampling results:

Groundwater Elevation and Flow Data

The July 2021 groundwater depth and elevation data (and previous data), are summarized in **Table 1 (Attachment 2)**. Shallow groundwater elevation contours for the July 2021 data are included on **Figure 1 (Attachment 3)** and deeper groundwater piezometric elevation contours are depicted on **Figure 2 (Attachment 3)**. As depicted on **Figure 1**, shallow groundwater flow is to the east consistent with the previous data and as depicted on **Figure 2**, deeper groundwater flow is to the east-northeast consistent with the previous data.

Groundwater Analytical Data

The July 2021 groundwater sampling laboratory report and associated data validation report are provided in **Attachment 4**. The July 2021 groundwater sample analytical data (and previous data) are summarized in **Table 2 (Attachment 2).** The July 2021 data (CVOCs and 1,4-dioxane) are also summarized on **Figure 1** (shallow groundwater) and **Figure 2** (deeper groundwater). The

[3] Pursuant to WDNR Form 4400-194 (R 06/20) General Instructions, the option of a narrative report or letter in lieu of the form may be submitted.

following table provides a summary of the July 2021 groundwater sampling CVOC analytical results:

Monitoring Well Location		**July 2021 CVOC Data Summary**
On-Site Upgradient Wells	MW-12, MW-13, MW-3	CVOCs were not detected at upgradient on-Site groundwater wells MW-12, MW-13 and MW-3 with the exception of a low estimated (J-flagged) tetrachloroethene (PCE) concentration (less than the NR 140 ES) at MW-12.
On-Site Monitoring Wells and Piezometers	MW-1, MW-2, MW-4, MW-7, PZ-1, PZ-2	Consistent with previous data, detected CVOC concentrations are greater than NR 140 ESs at on-Site groundwater monitoring wells MW-1, MW-2, MW-4 and MW-7 and piezometer PZ-1. CVOC concentrations (greater than NR 140 ESs) at MW-1/PZ-1 and MW-7 [along the primary post-removal action residual CVOC groundwater flow path (MW-1 → MW-7 → MW-6 → MW-9)] are consistent with previous data. CVOC concentrations detected at MW-2 decreased from the previous sampling event and vinyl chloride is the only CVOC detected at MW-2 at a concentration greater than the NR 140 ES. CVOCs were not detected at PZ-2 consistent with previous data. CVOC concentrations greater than NR 140 ESs at MW-4 are consistent with previous data.
Near Off-Site Downgradient Monitoring Wells	MW-5, MW-6, MW-8, MW-11, MW-14	Vinyl chloride concentrations greater than the NR 140 ES at MW-6 and MW-14 are consistent with previous data (no other CVOCs were detected at MW-6 or MW-14 at concentrations greater than NR 140 ESs in the July 2021 sampling event). CVOCs were not detected at other near off-Site downgradient wells MW-5, MW-8, or MW-11 with the exception of a low concentration (less than the NR 140 ES) of cis-1,2-dichloroethane (DCE) at MW-5.
Off-Site Downgradient Sentinel Monitoring Wells and Piezometers	MW-9, MW-10, PZ-10	CVOCs were not detected at off-Site downgradient sentinel monitoring wells MW-9 or MW-10 or at off-Site downgradient sentinel piezometer PZ-10.

1,4-Dioxane was detected at near off-Site groundwater monitoring well MW-6 at a concentration (greater than the NR 140 ES) consistent with previous data. Trace estimated (J-flagged) concentrations of 1,4-dioxane were reported as detected at the other groundwater monitoring wells and piezometers (including on-Site upgradient wells) with the exception of MW-1 and MW-10; however, these data are qualified by the laboratory and data validation report as 1,4-dioxane was detected in the laboratory method blank.

Geochemical Parameters

Geochemical parameter data for the July 2021 groundwater sampling event are provided in **Table 2**. These data are summarized in the table below:

Geochemical Parameters	July 2021 Data Summary
Ethane, Ethene, Methane	Ethene was detected at MW-1 and PZ-1 (monitoring well and piezometer with highest residual CVOC concentrations). The continued presence of ethene is consistent with the CVOC reductive dechlorination (degradation) pattern of PCE/trichloroethene (TCE) → DCE → vinyl chloride → ethene). Ethane was detected at MW-1 and MW-2. Methane concentrations at shallow groundwater monitoring wells with CVOC concentrations greater than NR 140 ESs (MW-1, MW-2, MW-4, and MW-7) ranged from 43 to 496 milligrams per liter (mg/L) with the highest methane concentration associated with MW-1 (monitoring well with the highest residual CVOC concentrations). These elevated methane concentrations are indicative of reduced groundwater conditions.(1)
Dissolved Oxygen (DO), Oxidation-Reduction Potential (ORP)	DO concentrations at monitoring wells and piezometers with CVOC concentrations greater than NR 140 ESs ranged from 0.11 to 0.23 mg/L. DO concentrations less than 0.5 mg/L are indicative of reduced groundwater conditions.(1) ORP measurements at groundwater monitoring wells and piezometers with the highest residual CVOC concentrations (MW-1, PZ-1 and MW-2) ranged from -18 to -98.6 millivolts (mV). These data are indicative of "possible" to "likely" reductive dechlorination.(1)
pH	pH measurements ranged from 6.43 to 7.24, which are within the optimal range for microbial activity ($5 < pH < 9$).(1)
Total Organic Carbon (TOC)	TOC concentrations ranged from 1 to 7.3 mg/L which are less than the general TOC concentration to support reductive dechlorination (>20 mg/L).(1)

Notes:
(1) *Understanding Chlorinated Hydrocarbon Behavior in Groundwater: Guidance on the Investigation, Assessment and Limitations of Monitored Natural Attenuation*, WDNR Publication RR-699.

Data Trends

Concentration and Groundwater Elevations versus Time

CVOC concentration and groundwater elevation versus time plots for groundwater monitoring wells with NR 140 ES exceedances (MW-1, PZ-1, MW-2, MW-4, MW-6, MW-7 and MW-14)

are provided in **Attachment 5**. These data trend plots show four (4) quarterly data points between September 2020 and July 2021. The plots generally depict stable CVOC concentrations over this period for each of the groundwater monitoring wells and piezometers with the exception of an apparent increasing concentration trend for degradation product trans-1,2-DCE at PZ-1 (at concentrations less than the NR 140 ES).

A plot of 1,4-dioxane concentration and groundwater elevation versus time plot for MW-6 is also included in **Attachment 5** (Page 8 of 9). This data trend plot depicts stable or slightly decreasing 1,4-dioxane concentrations over the September 2020 to July 2021 period.

Concentration versus Distance

A concentration versus distance plot for the primary post-removal action residual CVOC groundwater flow path (MW-1 → MW-7 → MW-6 → MW-9) for the July 2021 sampling event data is included in **Attachment 5** (Page 9 of 9). This data plot depicts significant attenuation of CVOC concentrations with distance downgradient of MW-1 (monitoring well with highest residual CVOC concentrations).

Planned Activities

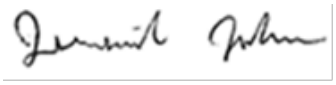
The next (fifth) quarterly groundwater sampling event is planned for late October 2021. This sampling event will be conducted in accordance with the June 15, 2021 *Additional Groundwater Investigation Work Plan and Groundwater Monitoring Plan* and WDNR's August 6, 2021 *Review of Supplemental Site Investigation Report and Additional Groundwater Investigation Work Plan and Groundwater Monitoring Plan*.

Two (2) new piezometers (PZ-6 and PZ-1A) were installed between September 29 and October 1, 2021 pursuant to the June 15, 2021 *Additional Groundwater Investigation Work Plan and Groundwater Monitoring Plan*. These additional piezometers will be sampled during the October 2021 sampling event provided the piezometers have sufficiently recovered.

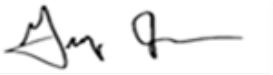
The next semiannual report will be provided to the WDNR following the sixth quarterly event.

Please contact us if you have any questions regarding this letter.

Sincerely,



Jeremiah Johnson, P.G.
Senior Geologist
(licensed P.G. in WI)



Greg Johnson, P.H., P.G., P.E.
Senior Engineer
(licensed P.E. in WI, P.H. in WI, P.G. in IL, WI)

Attachment 1 - NR 712.09 Submittal Certification
Attachment 2 - Tables
Attachment 3 - Figures
Attachment 4 - Laboratory Report and Data Validation Report
Attachment 5 - Data Trend Plots

cc: Mr. John (Greg) Moll, WDNR
Mr. Christopher Clark, Pharmacia LLC
Ms. Mary Jo Anzia, BSI

ATTACHMENT 1

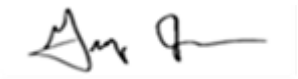
NR 712.09 Submittal Certification

Groundwater Monitoring Progress Report
Milwaukee Die Casting Company Site
4132 North Holton Street
Milwaukee, Wisconsin
WDNR BRRTS # 02-41-000023
WDNR FID # 241228240

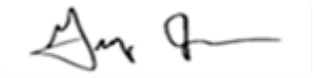
NR 712.09 Submittal certification.

Document Name	GROUNDWATER MONITORING PROGRESS REPORT
Document Date	October 13, 2021
Site Name	Milwaukee Die Casting Company Site
WDNR BRRTS #	02-41-000023

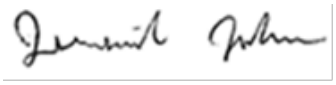
"I, Greg Johnson, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all 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."

 Greg Johnson, P.H., P.G., P.E. Senior Engineer P.E. #: 29898-006	 10/13/2021
Signature, title and P.E. number	P.E. stamp

"I, Greg Johnson, 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."

 Senior Engineer	10/13/2021
Signature and title	Date

"I, Jeremiah Johnson, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (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."

 Senior Geologist	10/13/2021
Signature and title	Date

ATTACHMENT 2

Tables

TABLE 1

Summary of Groundwater Elevation Data

Milwaukee Die Casting Company Site

4132 North Holton Street

Milwaukee, Wisconsin

Well	Ground Surface Elevation	TOC Elevation	Screen Interval Elevations		Groundwater Level[1]											
					9/23/2020			1/18/2021			4/26/2021			7/20/2021		
			Bottom	Top	Depth		Elevation	Depth		Elevation	Depth		Elevation	Depth		Elevation
	(ft amsl)	(ft amsl)	(ft amsl)	(ft amsl)	(ft bTOC)	(ft bgs)	(ft amsl)	(ft bTOC)	(ft bgs)	(ft amsl)	(ft bTOC)	(ft bgs)	(ft amsl)	(ft bTOC)	(ft bgs)	(ft amsl)
MW-1	646.55	648.74	631.15	641.15	6.64	4.45	642.10	6.09	3.90	642.65	5.62	3.43	643.12	7.37	5.18	641.37
MW-2	647.67	650.20	632.67	642.67	8.17	5.64	642.03	8.03	5.50	642.17	7.10	4.57	643.10	9.22	6.69	640.98
MW-3	648.57	650.91	633.07	643.07	10.13	7.79	640.78	8.46	6.12	642.45	7.94	5.60	642.97	11.20	8.86	639.71
MW-4	641.68	644.48	624.18	634.18	7.89	5.09	636.59	6.78	3.98	637.70	6.94	4.14	637.54	8.80	6.00	635.68
MW-5	638.52	641.49	621.22	631.22	16.68	13.70	624.81	11.94	8.96	629.55	10.28	7.30	631.21	13.09	10.11	628.40
MW-6	639.26	641.59	621.26	631.26	11.76	9.43	629.83	11.83	9.50	629.76	11.46	9.13	630.13	12.33	10.00	629.26
MW-7	641.78	644.17	626.88	636.88	4.82	2.43	639.35	4.05	1.66	640.12	4.26	1.87	639.91	5.29	2.90	638.88
MW-8	638.03	640.47	621.23	631.23	11.40	8.96	629.07	6.96	4.52	633.51	7.18	4.74	633.29	10.04	7.60	630.43
MW-9	635.74	638.33	620.54	630.54	10.63	8.05	627.70	8.05	5.47	630.28	6.87	4.29	631.46	10.63	8.05	627.70
MW-10	637.28	639.42	618.98	628.98	17.81	15.67	621.61	11.31	9.16	628.11	10.05	7.90	629.37	13.97	11.83	625.45
MW-11	637.66	640.29	622.36	632.36	16.97	14.35	623.32	5.15	2.53	635.14	6.15	3.53	634.14	10.45	7.83	629.84
MW-12	651.07	653.30	635.67	645.67	11.39	9.15	641.91	10.84	8.60	642.46	10.19	7.95	643.11	12.34	10.10	640.96
MW-13	650.91	653.17	635.61	645.61	10.44	8.19	642.73	9.72	7.47	643.45	9.52	7.27	643.65	11.31	9.06	641.86
MW-14	640.35	642.81	622.55	632.55	8.06	5.59	634.75	6.46	3.99	636.35	7.92	5.45	634.89	8.37	5.90	634.44
PZ-1	646.74	648.89	610.64	615.64	6.93	4.78	641.96	6.42	4.27	642.47	6.01	3.86	642.88	7.70	5.55	641.19
PZ-2	648.21	650.86	611.11	616.11	9.98	7.33	640.88	9.69	7.04	641.17	9.17	6.52	641.69	10.91	8.26	639.95
PZ-10	637.53	640.15	604.83	609.83	23.55	20.93	616.60	23.74	21.12	616.41	23.25	20.63	616.90	23.83	21.21	616.32

Notes:

[1] - measured prior to groundwater sampling

ft amsl - feet above mean sea level

ft bgs - feet below ground surface

ft bTOC - feet below top of casing

TOC - top of casing

TABLE 2
Summary of Groundwater Sample Analytical Results
Milwaukee Die Casting Company Site
4132 North Holton Street
Milwaukee, Wisconsin

Well Identification	MW-1				PZ-1					MW-2						PZ-2				NR 140 Groundwater Quality Standard	
Approximate Screen Interval (ft bgs)	5-15				31-36					5-15						32-37					
Sample Date	9/25/2020	1/21/2021	4/28/2021	7/22/2021	9/25/2020	1/20/2021	1/20/2021	4/28/2021	7/22/2021	9/24/2020	1/20/2021	4/28/2021	4/28/2021	7/22/2021	7/22/2021	9/25/2020	1/19/2021	4/28/2021	7/22/2021	PAL	ES
Analytical Parameters							DUP						DUP		DUP						
Detected VOCS (µg/L)																					
CVOCs																					
1,1,1-Trichloroethane	< 2.00	< 2.00	< 1.00	< 7.6	< 2.00	< 2.00	< 2.00	< 1.00	< 3.0	< 2.00	< 2.00	< 1.00	< 1.00	< 0.30	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	40	200
1,1-Dichloroethane	< 2.00	< 2.00	< 1.00	< 7.4	< 2.00	< 2.00	< 2.00	< 1.00	< 3.0	< 2.00	< 2.00	< 1.00	< 1.00	< 0.30	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	85	850
1,1-Dichloroethene	**9.52**	**13.9**	**14.2**	< 14.6	< 4.00	< 4.00	< 4.00	2.75	< 5.8	< 4.00	< 4.00	< 1.00	< 1.00	< 0.58	< 0.58	< 4.00	< 4.00	< 1.00	< 0.58	0.7	7
cis-1,2-Dichloroethene	**3150**	**5440**	**4680**	**5230**	**128 J**	**896**	**837**	**1390**	**1450**	4.35	5.31	**28.8**	**32.6**	1.5	2.0	< 2.00	< 2.00	< 1.00	< 0.47	7	70
Tetrachloroethene	**2230**	**4190**	**3110**	**2880**	**325**	**192**	**188**	**147**	**144**	**5.55**	**6.99**	**22.0**	**28.2**	**3.8**	**3.9**	< 2.00	< 2.00	< 1.00	< 0.41	0.5	5
trans-1,2-Dichloroethene	**22.2**	**34.8**	**63.4**	**23.8 J**	< 2.00	4.07	4.29	10.6	**45.8**	< 2.00	< 2.00	0.700 J	0.900 J	< 0.53	< 0.53	< 2.00	< 2.00	< 1.00	< 0.53	20	100
Trichloroethene	**2580**	**4080**	**3000**	**3240**	**109**	**110**	**108**	**115**	**87.4**	< 2.00	< 2.00	**11.6**	**12.8**	**1.1**	**1.3**	< 2.00	< 2.00	< 1.00	< 0.32	0.5	5
Vinyl chloride	**217**	**475**	**540**	**352**	**10.9**	**8.32**	**8.27**	**6.80**	**7.9 J**	< 2.00	< 2.00	**5.90**	**6.05**	**0.62 J**	**0.81 J**	< 2.00	< 2.00	< 2.50	< 0.17	0.02	0.2
Other Reported VOCs																					
Carbon disulfide	< 2.00	< 2.00	1.90 J	< 27.6	< 2.00	< 2.00	< 2.00	2.10 J	< 11.0	< 2.00	< 2.00	2.40 J	2.30 J	< 1.1	< 1.1	< 2.00	< 2.00	2.00 J	< 1.1	200	1000
Chloromethane	< 4.00	< 4.00	< 2.50	< 40.9	< 4.00	< 4.00	< 4.00	< 2.50	< 16.4	< 4.00	< 4.00	< 2.50	< 2.50	< 1.6	< 1.6	< 4.00	< 4.00	< 2.50	< 1.6	3	30
Ethylbenzene	< 1.00	< 1.00	< 1.00	< 8.1	< 1.00	< 1.00	< 1.00	< 1.00	< 3.3	< 1.00	< 1.00	< 1.00	0.150 J *U*	< 0.33	< 0.33	< 1.00	< 1.00	< 1.00	< 0.33	140	700
m,p-Xylene	< 4.00	< 4.00	0.550 J	< 17.5	< 4.00	< 4.00	< 4.00	0.500 J	< 7.0	< 4.00	< 4.00	0.550 J	< 2.00	< 0.70	< 0.70	< 4.00	< 4.00	< 2.00	< 0.70	--	--
Methylene chloride [2]	< 4.00	< 4.00	3.75 J *U*	< 8.0	< 4.00	< 4.00	< 4.00	3.50 J *U*	< 3.2	< 4.00	< 4.00	5.00 J *U*	4.70 J *U*	< 0.32	< 0.32	< 4.00	< 4.00	3.70 J *U*	< 0.32	0.5	5
o-Xylene	< 1.00	< 1.00	0.450 J	< 8.7	< 1.00	< 1.00	< 1.00	0.300 J	< 3.5	< 1.00	< 1.00	0.300 J	0.250 J	< 0.35	< 0.35	< 1.00	< 1.00	0.250 J	< 0.35	--	--
Styrene	< 4.00	< 4.00	< 1.00	< 8.9	< 4.00	< 4.00	< 4.00	0.250 J *U*	< 3.6	< 4.00	< 4.00	0.250 J *U*	< 1.00	< 0.36	< 0.36	< 4.00	< 4.00	< 1.00	< 0.36	10	100
Toluene	< 2.00	< 2.00	1.20 J	< 7.2	< 2.00	< 2.00	< 2.00	< 1.00	< 2.9	< 2.00	< 2.00	< 1.00	< 1.00	< 0.29	< 0.29	< 2.00	< 2.00	< 1.00	< 0.29	160	800
Xylenes, Total	< 6.00	< 6.00	1.00 J	< 26.2	< 6.00	< 6.00	< 6.00	0.800 J	< 10.5	< 6.00	< 6.00	0.850 J	< 3.00	< 1.05	< 1.05	< 6.00	< 6.00	< 3.00	< 1.05	400	2000
PCBs, Total (unfiltered)	< 0.515	< 0.522	--	--	< 0.519	< 0.518	< 0.525	--	--	< 0.529	< 0.525	--	--	--	--	< 0.511	< 0.522	--	--	0.003	0.03
PCBs, Total (filtered)	< 0.531	< 0.516	--	--	< 0.510	< 0.528	< 0.525	--	--	< 0.540	< 0.519	--	--	--	--	< 0.508	< 0.520	--	--	0.003	0.03
Detected SVOCs (µg/L)																					
Benzo(a)anthracene	< 0.315	< 0.313	--	--	< 0.335	< 0.320	0.222 J	--	--	< 0.339	< 0.314	--	--	--	--	< 0.311	< 0.311	--	--	--	--
Chrysene	< 0.315	< 0.313	--	--	< 0.335	< 0.320	0.159 J	--	--	< 0.339	< 0.314	--	--	--	--	< 0.311	< 0.311	--	--	0.02	0.2
Phenol	< 0.526	< 0.521	--	--	< 0.559	< 0.534	< 0.529	--	--	< 0.564	< 0.523	--	--	--	--	< 0.518	< 0.519	--	--	400	2000
1,4-Dioxane (µg/L)	< 0.200 *UJ*	< 0.200	0.120 J	< 0.082 *UJ*	< 0.200	< 0.200	< 0.200	< 0.200	0.092 J, B *U*	< 0.200	< 0.200	< 0.200	< 0.200	0.095 J, B *U*	0.096 J, B *U*	< 0.200	< 0.200	< 0.200	0.19 J, B *U*	0.3	3
MNA Geochemical Parameters									--												
Ethane (µg/L)	< 1.2	1.3 J	4.0 J	2.7 J	< 1.2	< 1.2	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	5.8	7.1	0.66 J	0.40 J	2.1 J	2.1 J	1.6 J	< 0.39	--	--
Ethene (µg/L)	33.3	33.8	40.9	17.5	1.8 J	1.4 J	1.5 J	< 1.2	0.63 J	< 1.2	< 1.2	< 1.2	1.3 J	< 0.25	< 0.25	1.2 J	< 1.2	< 1.2	< 0.25	--	--
Methane (µg/L)	147	241	1030	496	5.0	4.1	4.1	2.9	2.4 J	2.0 J	234	892 *J*	1420 *J*	124	168	26.6	35.8	40.1	12.0	--	--
TOC (mg/L)	3.25 *J*	2.80	3.03	3.0	3.92 *J*	8.57	9.04	6.60	6.5	1.93 *J*	1.40	7.38	7.29	1.7	1.9	2.98 *J*	2.27	1.63	1.6	--	--
Field Parameters [3]																					
Temperature (deg C)	16.3	8.3	9.2	17.6	13.5	8.3	--	10.6	15.3	16.1	5.3	9.3	--	15	--	12.3	9.8	10.7	11.5	--	--
pH	7.09	6.9	7.32	6.88	7.35	7.19	--	7.33	7	7.4	7.36	7.33	--	7.16	--	7.34	7.39	7.74	7.24	--	--
Conductivity (mS/cm)	2.01	1.815	1.695	1.238	1.141	1.619	--	1.72	1.059	1.027	0.892	1.319	--	0.788	--	1.497	1.328	1.378	1.3	--	--
Dissolved Oxygen (mg/L)	0.3	--[4]	0.24	0.16	0.84	--[4]	--	0.79	0.11	0.6	--[4]	0.82	--	0.2	--	1.7	0.1	5.55	2.4	--	--
ORP (mV)	-85.5	83.9	-5	-18.2	-179.5	-24	--	-62.2	-98.6	-92.8	64.7	-71.2	--	-68.4	--	-225.9	-37.7	-3.7	-129.2	--	--

Notes:
bold - concentration greater than NR 140 PAL
boxed - concentration greater than NR 140 ES
italics - data validation qualifier (refer to data validation reports)
--[1] - slow groundwater recovery prevented the collection of a sufficient volume of water for all the planned laboratory analytical parameters for MW-10 and MW-11 for September 2020 sampling event
--[2] - presumed laboratory artifact
[3] - stabilized field parameters obtained prior to sample collection
--[4] - faulty dissolved oxygen (DO) sensor
-- - not analyzed or not established
B - analyte detected in associated laboratory method blank
CVOCs - chlorinated volatile organic compounds
deg C - degrees Celsius
DUP - duplicate
ES - NR 140 Enforcement Standard
ft bgs - feet below ground surface
J - estimated concentration at or above the limit of detection and below the limit of quantitation
mg/L - milligrams per liter
MNA - monitored natural attenuation
mS/cm - millisiemens per centimeter
mV - millivolts
ORP - oxidation-reduction potential
PAL - NR 140 Preventive Action Limit
PCBs - polychlorinated biphenyls
SVOCs - semi-volatile organic compounds
TOC - total organic carbon
µg/L - micrograms per liter
VOCs - volatile organics compounds

TABLE 2
Summary of Groundwater Sample Analytical Results
Milwaukee Die Casting Company Site
4132 North Holton Street
Milwaukee, Wisconsin

Well Identification	MW-3					MW-4				MW-5				MW-6							NR 140 Groundwater Quality Standard	
Approximate Screen Interval (ft bgs)	5.5-15.5					7.5-17.5				7-17				8-18								
Sample Date	9/23/2020	9/23/2020	1/18/2021	4/27/2021	7/21/2021	9/24/2020	1/20/2021	4/28/2021	7/22/2021	10/29/2020	1/21/2021	4/27/2021	7/21/2021	9/25/2020	1/20/2021	1/20/2021	4/28/2021	4/28/2021	7/22/2021	7/22/2021	PAL	ES
Analytical Parameters		DUP														DUP		DUP		DUP		
Detected VOCS (µg/L)																						
CVOCs																						
1,1,1-Trichloroethane	< 2.00	< 2.00	< 2.00	< 1.00	< 0.30	17.3	13.7	7.90	6.9	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 2.00	5.70	6.45	2.0	2.5	40	200
1,1-Dichloroethane	< 2.00	< 2.00	< 2.00	< 1.00	< 0.30	7.21	8.53	10.2	9.7	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	4.33 *J*	< 2.00 *UJ*	6.30	6.65	4.9	5.8	85	850
1,1-Dichloroethene	< 4.00	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 4.00	< 1.00	< 1.00	< 0.58	< 0.58	0.7	7
cis-1,2-Dichloroethene	< 2.00	< 2.00	< 2.00	< 1.00	< 0.47	**27.8**	**23.4**	**20.2**	**19.7**	<2.00	<2.00	1.80 J	1.2	6.39	**22.3**	**19.0**	**30.4**	**31.8**	**20.2**	**25.4**	7	70
Tetrachloroethene	< 2.00	< 2.00	< 2.00	< 1.00	< 0.41	<2.00	<2.00	< 1.00	0.47 J	< 2.00	< 2.00	< 1.00	< 0.41	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 0.41	< 0.41	0.50	5
trans-1,2-Dichloroethene	< 2.00	< 2.00	< 2.00	< 1.00	< 0.53	<2.00	<2.00	1.15 J	0.72 J	< 2.00	< 2.00	< 1.00	< 0.53	< 2.00	< 2.00	< 2.00	1.65 J	2.00 J	1.5	1.6	20.00	100
Trichloroethene	< 2.00	< 2.00	< 2.00	< 1.00	< 0.32	**10.6**	**7.57**	**5.15**	**5.3**	< 2.00	< 2.00	< 1.00	< 0.32	< 2.00	< 2.00	< 2.00	**5.90**	**6.00**	**3.0**	**3.5**	0.5	5
Vinyl chloride	< 2.00	< 2.00	< 2.00	< 2.50	< 0.17	**4.31**	**12.2**	**15.9**	**15.4**	< 2.00	< 2.00	< 2.50	< 0.17	< 2.00	< 2.00	< 2.00	**1.15 J**	**1.15 J**	**1.2**	**1.6**	0.02	0.2
Other Reported VOCs																						
Carbon disulfide	< 2.00	< 2.00	< 2.00	2.25 J	< 1.1	< 2.00	< 2.00	2.15 J	< 1.1	< 2.00	< 2.00	2.05 J	< 1.1	< 2.00	< 2.00	< 2.00	2.25 J	2.25 J	< 1.1	< 1.1	200	1000
Chloromethane	< 4.00	< 4.00	< 4.00	< 2.50	< 1.6	< 4.00	< 4.00	< 2.50	< 1.6	< 4.00	< 4.00	< 2.50	< 1.6	< 4.00	< 4.00	< 4.00	< 2.50	< 2.50	< 1.6	< 1.6	3	30
Ethylbenzene	< 1.00	< 1.00	< 1.00	< 1.00	< 0.33	< 1.00	< 1.00	0.150 J *U*	< 0.33	< 1.00	< 1.00	0.150 J *U*	< 0.33	< 1.00	< 1.00	< 1.00	< 1.00	0.150 J *U*	< 0.33	< 0.33	140	700
m,p-Xylene	< 4.00	< 4.00	< 4.00	< 2.00	< 0.70	< 4.00	< 4.00	0.500 J	< 0.70	< 4.00	< 4.00	0.500 J	< 0.70	< 4.00	< 4.00	< 4.00	0.500 J	0.450 J	< 0.70	< 0.70	--	--
Methylene chloride [2]	< 4.00	< 4.00	< 4.00	4.25 J *U*	< 0.32	< 4.00	< 4.00	4.25 J *U*	< 0.32	< 4.00	< 4.00	4.05 J *U*	< 0.32	< 4.00	< 4.00	< 4.00	3.95 J *U*	4.15 J *U*	< 0.32	< 0.32	0.5	5
o-Xylene	< 1.00	< 1.00	< 1.00	0.250 J	< 0.35	< 1.00	< 1.00	0.250 J	< 0.35	< 1.00	< 1.00	0.300 J	< 0.35	< 1.00	< 1.00	< 1.00	0.250 J	< 1.00	< 0.35	< 0.35	--	--
Styrene	< 4.00	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 4.00	< 1.00	< 1.00	< 0.36	< 0.36	10	100
Toluene	< 2.00	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 2.00	< 1.00	< 1.00	< 0.29	< 0.29	160	800
Xylenes, Total	< 6.00	< 6.00	< 6.00	< 3.00	< 1.05	< 6.00	< 6.00	0.750 J	< 1.05	< 6.00	< 6.00	0.800 J	< 1.05	< 6.00	< 6.00	< 6.00	0.750 J	< 3.00	< 1.05	< 1.05	400	2000
PCBs, Total (unfiltered)	< 0.524	< 0.508	< 0.519	--	--	< 0.535	< 0.518	--	--	< 0.617	< 0.542	--	--	< 0.568	< 0.524	< 0.506	--	--	--	--	0.003	0.03
PCBs, Total (filtered)	< 0.507	< 0.507	< 0.530	--	--	< 0.532	< 0.520	--	--	< 0.527	< 0.520	--	--	< 0.534	< 0.524	< 0.521	--	--	--	--	0.003	0.03
Detected SVOCs (µg/L)																						
Benzo(a)anthracene	< 0.314	< 0.312	< 0.324	--	--	< 0.321	< 0.313	--	--	< 0.315	< 0.328	--	--	< 0.340	< 0.315	< 0.303	--	--	--	--	--	--
Chrysene	< 0.314	< 0.312	< 0.324	--	--	< 0.321	< 0.313	--	--	< 0.315	< 0.328	--	--	< 0.340	< 0.315	< 0.303	--	--	--	--	0.02	0.2
Phenol	< 0.523	< 0.521	< 0.539	--	--	< 0.535	< 0.521	--	--	< 0.526	< 0.547	--	--	< 0.567	< 0.524	< 0.505	--	--	--	--	400	2000
1,4-Dioxane (µg/L)	< 0.200	< 0.200	< 0.200	< 0.200	0.11 J, B *U*	< 0.200	< 0.200	< 0.200 *UJ*	0.12 J, B *U*	< 0.200	< 0.200	0.0700 J	0.20 J, B *U*	**28.2**	**23.9**	**23.4**	**19.0**	**19.6**	**18.2**	**19.1**	0.3	3
MNA Geochemical Parameters																						
Ethane (µg/L)	< 1.2	< 1.2	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.39	< 0.39	--	--
Ethene (µg/L)	< 1.2	< 1.2	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 0.25	< 0.25	--	--
Methane (µg/L)	1.8J	1.4 J	< 0.66	< 0.66	< 0.58	< 0.66	58.1	134	79.1	1.2 J	< 0.66	< 0.66	< 0.58	9.4	23.9	20.3	27.6	32.0	63.8	48.2	--	--
TOC (mg/L)	3.83 *J*	3.82 *J*	2.69	2.48	2.7	10.8 *J*	6.38	2.52	7.3	3.86	2.17	1.78	1.9	6.84 *J*	3.78	3.76	3.12	3.04	3.3	3.3	--	--
Field Parameters [3]																						
Temperature (deg C)	16.1	--	8.8	8.5	13.1	16.2	9.9	8.4	12.6	11.2	8.7	8	13.8	14.3	8.9	--	8.6	--	13	--	--	--
pH	6.88	--	6.69	6.83	6.66	6.8	4.86	6.99	6.43	6.95	7	7	6.72	6.99	7.03	--	7.2	--	6.9	--	--	--
Conductivity (mS/cm)	1.59	--	1.375	1.722	1.286	2.595	2.601	2.349	1.825	1.443	1.695	1.503	1.248	1.286	1.355	--	1.235	--	1.057	--	--	--
Dissolved Oxygen (mg/L)	3.08	--	0.91	1.66	0.42	2.76	0.21	0.37	0.19	6.96	0.57	1.27	0.68	0.33	0.25	--	0.35	--	0.23	--	--	--
ORP (mV)	17.9	--	176.1	140.6	210.4	60.8	75.8	25.3	41.8	112.8	148	139.9	169.9	-101.7	95.6	--	98.5	--	8.4	--	--	--

Notes:
bold - concentration greater than NR 140 PAL
boxed - concentration greater than NR 140 ES
italics - data validation qualifier (refer to data validation reports)
--[1] - slow groundwater recovery prevented the collection of a sufficient volume of water for all the planned laboratory analytical parameters for MW-10 and MW-11 for September 2020 sampling event
--[2] - presumed laboratory artifact
[3] - stabilized field parameters obtained prior to sample collection
--[4] - faulty dissolved oxygen (DO) sensor
-- - not analyzed or not established
B - analyte detected in associated laboratory method blank
CVOCs - chlorinated volatile organic compounds
deg C - degrees Celsius
DUP - duplicate
ES - NR 140 Enforcement Standard
ft bgs - feet below ground surface
J - estimated concentration at or above the limit of detection and below the limit of quantitation
mg/L - milligrams per liter
MNA - monitored natural attenuation
mS/cm - millisiemens per centimeter
mV - millivolts
ORP - oxidation-reduction potential
PAL - NR 140 Preventive Action Limit
PCBs - polychlorinated biphenyls
SVOCs - semi-volatile organic compounds
TOC - total organic carbon
µg/L - micrograms per liter
VOCs - volatile organics compounds

TABLE 2
Summary of Groundwater Sample Analytical Results
Milwaukee Die Casting Company Site
4132 North Holton Street
Milwaukee, Wisconsin

Well Identification	MW-7				MW-8				MW-9				MW-10				PZ-10				NR 140 Groundwater Quality Standard	
Approximate Screen Interval (ft bgs)	5-15				7-17				5-15				8-18				28-33					
Sample Date	9/24/2020	1/19/2021	4/28/2021	7/22/2021	9/24/2020	1/19/2021	4/27/2021	7/22/2021	9/24/2020	1/19/2021	4/27/2021	7/21/2021	10/29/2020	1/20/2021	4/27/2021	7/21/2021	9/25/2020	1/20/2021	4/26/2021	7/21/2021	PAL	ES
Analytical Parameters																						
Detected VOCS (µg/L)																						
CVOCs																						
1,1,1-Trichloroethane	< 2.00	< 2.00	5.55	2.7	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	40	200
1,1-Dichloroethane	< 2.00	< 2.00	4.00	2.9	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	85	850
1,1-Dichloroethene	< 4.00	< 4.00	**1.30 J**	< 1.5	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 1.00	< 0.58	0.7	7
cis-1,2-Dichloroethene	**48.8**	**222**	**402**	**279**	< 2.00	< 2.00	< 1.00	< 0.47	< 2.00	< 2.00	< 1.00	< 0.47	< 2.00	< 2.00	< 1.00	< 0.47	< 2.00	< 2.00	< 1.00	< 0.47	7	70
Tetrachloroethene	< 2.00	< 2.00	**1.35 J**	**2.9**	< 2.00	< 2.00	< 1.00	< 0.41	< 2.00	< 2.00	< 1.00	< 0.41	< 2.00	< 2.00	< 1.00	< 0.41	< 2.00	< 2.00	< 1.00	< 0.41	0.5	5
trans-1,2-Dichloroethene	< 2.00	10.4	**21.6**	**16.7**	< 2.00	< 2.00	< 1.00	< 0.53	< 2.00	< 2.00	< 1.00	< 0.53	< 2.00	< 2.00	< 1.00	< 0.53	< 2.00	< 2.00	< 1.00	< 0.53	20	100
Trichloroethene	< 2.00	**7.12**	**18.4**	**10.3**	< 2.00	< 2.00	< 1.00	< 0.32	< 2.00	< 2.00	< 1.00	< 0.32	< 2.00	< 2.00	< 1.00	< 0.32	< 2.00	< 2.00	< 1.00	< 0.32	0.5	5
Vinyl chloride	< 2.00	< 2.00	< 2.50	< 0.44	< 2.00	< 2.00	< 2.50	< 0.17	< 2.00	< 2.00	< 2.50	< 0.17	< 2.00	< 2.00	< 2.50	< 0.17	< 2.00	< 2.00	< 2.50	< 0.17	0.02	0.2
Other Reported VOCs																						
Carbon disulfide	< 2.00	< 2.00	2.35 J	< 2.8	< 2.00	< 2.00	2.15 J	< 1.1	< 2.00	< 2.00	2.40 J	< 1.1	< 2.00	< 2.00	2.20 J	< 1.1	< 2.00	< 2.00	2.20 J	< 1.1	200	1000
Chloromethane	< 4.00	< 4.00	< 2.50	< 4.1	< 4.00	< 4.00	1.35 J	< 1.6	< 4.00	< 4.00	< 2.50	< 1.6	< 4.00	< 4.00	< 2.50	< 1.6	< 4.00	< 4.00	< 2.50	< 1.6	3	30
Ethylbenzene	< 1.00	< 1.00	< 1.00	< 0.81	< 1.00	< 1.00	< 1.00	< 0.33	< 1.00	< 1.00	< 1.00	< 0.33	< 1.00	< 1.00	< 1.00	< 0.33	< 1.00	< 1.00	< 1.00	< 0.33	140	700
m,p-Xylene	< 4.00	< 4.00	0.450 J	< 1.8	< 4.00	< 4.00	0.450 J	< 0.70	< 4.00	< 4.00	0.450 J	< 0.70	< 4.00	< 4.00	0.450 J	< 0.70	< 4.00	< 4.00	0.500 J	< 0.70	--	--
Methylene chloride [2]	< 4.00	< 4.00	3.05 J *U*	< 0.80	< 4.00	< 4.00	4.45 J *U*	< 0.32	< 4.00	< 4.00	4.90 J *U*	< 0.32	< 4.00	< 4.00	4.00 J *U*	< 0.32	< 4.00	< 4.00	4.05 J *U*	< 0.32	0.5	5
o-Xylene	< 1.00	< 1.00	0.300 J	< 0.87	< 1.00	< 1.00	< 1.00	< 0.35	< 1.00	< 1.00	0.300 J	< 0.35	< 1.00	< 1.00	< 1.00	< 0.35	< 1.00	< 1.00	0.300 J	< 0.35	--	--
Styrene	< 4.00	< 4.00	< 1.00	< 0.89	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 1.00	< 0.36	10	100
Toluene	< 2.00	< 2.00	< 1.00	< 0.72	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 1.00	< 0.29	160	800
Xylenes, Total	< 6.00	< 6.00	0.750 J	< 2.67	< 6.00	< 6.00	< 3.00	< 1.05	< 6.00	< 6.00	0.750 J	< 1.05	< 6.00	< 6.00	< 3.00	< 1.05	< 6.00	< 6.00	0.800 J	< 1.05	400	2000
PCBs, Total (unfiltered)	< 0.508	< 0.514	--	--	< 0.508	< 0.509	--	--	< 0.515	< 0.524	--	--	< 0.546	< 0.508	--	--	< 0.572	< 0.560	--	--	0.003	0.03
PCBs, Total (filtered)	< 0.520	< 0.523	--	--	< 0.508	< 0.517	--	--	< 0.518	< 0.531	--	--	< 0.512	< 0.526	--	--	< 0.533	< 0.559	--	--	0.003	0.03
Detected SVOCs (µg/L)																						
Benzo(a)anthracene	< 0.315	< 0.306	--	--	< 0.310	< 0.311	--	--	< 0.307	< 0.313	--	--	--[1]	< 0.315	--	--	< 0.329	< 0.307	--	--	--	--
Chrysene	< 0.315	< 0.306	--	--	< 0.310	< 0.311	--	--	< 0.307	< 0.313	--	--	--[1]	< 0.315	--	--	< 0.329	< 0.307	--	--	0.02	0.2
Phenol	< 0.526	< 0.510	--	--	< 0.517	< 0.518	--	--	< 0.512	0.772 J	--	--	--[1]	< 0.524	--	--	< 0.549	< 0.511	--	--	400	2000
1,4-Dioxane (µg/L)	< 0.200	< 0.200	0.120 J	**0.39 B *J+***	< 0.200	< 0.200	< 0.200	0.14 J, B *U*	< 0.200	< 0.200	< 0.200	0.12 J, B *U*	< 0.200	< 0.200	< 0.200	< 0.082	< 0.200	< 0.200	< 0.200	0.16 J, B *U*	0.3	3
MNA Geochemical Parameters																						
Ethane (µg/L)	< 1.2	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 0.39	--[1]	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 0.39	--	--
Ethene (µg/L)	< 1.2	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 0.25	--[1]	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 0.25	--	--
Methane (µg/L)	4.3	73.3	218	42.7	0.74 J	< 0.66	< 0.66	< 0.58	1.7 J	1.1 J	< 0.66	1.5 J	--[1]	< 0.66	2.7 J	8.4	0.81 J	1.5 J	< 0.66	< 0.58	--	--
TOC (mg/L)	3.05 *J*	2.29	2.11	2.1	3.88 *J*	2.74	2.86	3.3	3.85 *J*	4.20	2.64	3.3	--[1]	1.99	1.22	1.6	2.13 *J*	1.24	0.941 J	1.0	--	--
Field Parameters [3]																						
Temperature (deg C)	14.2	8.5	8.4	14.8	15	8.4	8.8	11.9	15.6	8.3	8.5	13.2	12.6	6.7	9.1	12.5	14.5	9.7	11.1	12	--	--
pH	7.05	9.1	7.28	7	6.92	7	7.06	6.73	6.69	6.57	6.95	6.49	7.01	6.06	7.02	6.91	7.17	6.94	7.21	7.08	--	--
Conductivity (mS/cm)	1.25	1.316	1.379	1.035	1.547	2.172	2.375	2.081	0.932	0.859	0.837	0.801	1.831	2.865	1.466	1.254	1.253	1.024	1.085	0.982	--	--
Dissolved Oxygen (mg/L)	2.38	0.14	0.8	0.2	3.21	0.49	0.24	0.24	1.63	0.07	0.27	0.28	2.97	3.72	2.42	0.28	2.52	11.92	0.5	0.22	--	--
ORP (mV)	-38.1	99.3	64.2	26.1	27.3	121.9	122.4	144.7	37.3	175	109.2	87.7	82.1	203.8	137.4	61.7	60.5	106	88.7	-4	--	--

Notes:
bold - concentration greater than NR 140 PAL
boxed - concentration greater than NR 140 ES
italics - data validation qualifier (refer to data validation reports)
--[1] - slow groundwater recovery prevented the collection of a sufficient volume of water for all the planned laboratory analytical parameters for MW-10 and MW-11 for September 2020 sampling event
--[2] - presumed laboratory artifact
[3] - stabilized field parameters obtained prior to sample collection
--[4] - faulty dissolved oxygen (DO) sensor
-- - not analyzed or not established
B - analyte detected in associated laboratory method blank
CVOCs - chlorinated volatile organic compounds
deg C - degrees Celsius
DUP - duplicate
ES - NR 140 Enforcement Standard
ft bgs - feet below ground surface
J - estimated concentration at or above the limit of detection and below the limit of quantitation
mg/L - milligrams per liter
MNA - monitored natural attenuation
mS/cm - millisiemens per centimeter
mV - millivolts
ORP - oxidation-reduction potential
PAL - NR 140 Preventive Action Limit
PCBs - polychlorinated biphenyls
SVOCs - semi-volatile organic compounds
TOC - total organic carbon
µg/L - micrograms per liter
VOCs - volatile organics compounds

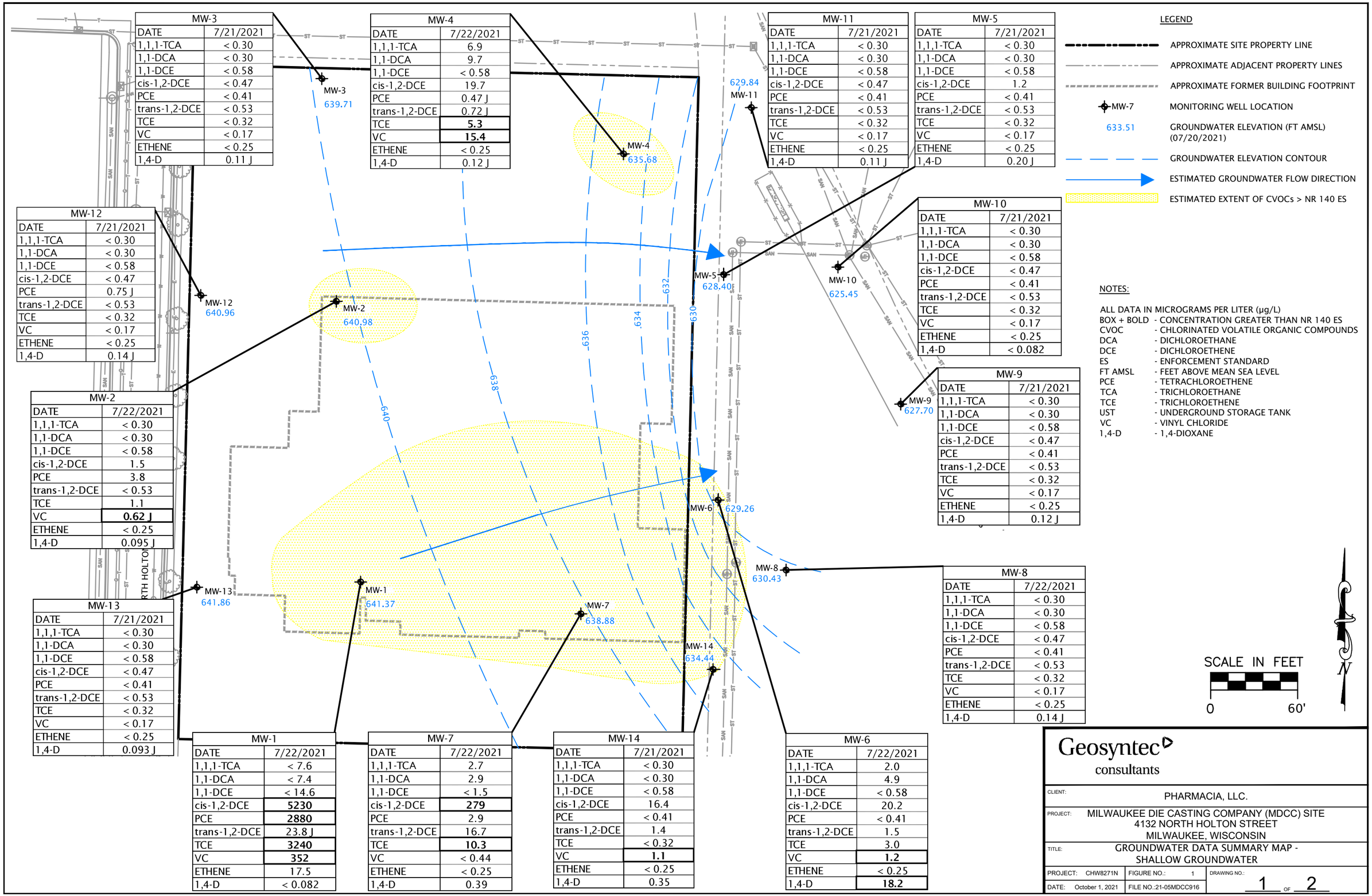
TABLE 2
Summary of Groundwater Sample Analytical Results
Milwaukee Die Casting Company Site
4132 North Holton Street
Milwaukee, Wisconsin

Well Identification	MW-11				MW-12					MW-13				MW-14				NR 140 Groundwater	
Approximate Screen Interval (ft bgs)	5-15				5-15					5-15				8-18				Quality Standard	
Sample Date	10/29/2020	1/19/2021	4/27/2021	7/21/2021	9/23/2020	9/23/2020	1/18/2021	4/27/2021	7/21/2021	9/23/2020	1/18/2021	4/27/2021	7/21/2021	9/23/2020	1/19/2021	4/28/2021	7/21/2021	PAL	ES
Analytical Parameters						DUP													
Detected VOCS (µg/L)																			
CVOCs																			
1,1,1-Trichloroethane	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	40	200
1,1-Dichloroethane	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	< 2.00	< 2.00	< 1.00	< 0.30	85	850
1,1-Dichloroethene	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 1.00	< 0.58	< 4.00	< 4.00	< 1.00	< 0.58	0.7	7
cis-1,2-Dichloroethene	< 2.00	< 2.00	< 1.00	< 0.47	< 2.00	< 2.00	< 2.00	< 1.00	< 0.47	< 2.00	< 2.00	< 1.00	< 0.47	**21.7**	**20.3**	**28.7**	**16.4**	7	70
Tetrachloroethene	< 2.00	< 2.00	< 1.00	< 0.41	< 2.00	< 2.00	< 2.00	< 1.00	**0.75 J**	< 2.00	< 2.00	< 1.00	< 0.41	<2.00	<2.00	< 1.00	< 0.41	0.5	5
trans-1,2-Dichloroethene	< 2.00	< 2.00	< 1.00	< 0.53	< 2.00	< 2.00	< 2.00	< 1.00	< 0.53	< 2.00	< 2.00	< 1.00	< 0.53	< 2.00	< 2.00	2.90	1.4	20	100
Trichloroethene	< 2.00	< 2.00	< 1.00	< 0.32	< 2.00	< 2.00	< 2.00	< 1.00	< 0.32	< 2.00	< 2.00	< 1.00	< 0.32	< 2.00	< 2.00	< 1.00	< 0.32	0.5	5
Vinyl chloride	< 2.00	< 2.00	< 2.50	< 0.17	< 2.00	< 2.00	< 2.00	< 2.50	< 0.17	< 2.00	< 2.00	< 2.50	< 0.17	< 2.00	< 2.00	**2.00 J**	**1.1**	0.02	0.2
Other Reported VOCs																			
Carbon disulfide	< 2.00	< 2.00	2.15 J	< 1.1	< 2.00	< 2.00	< 2.00	2.00 J	< 1.1	< 2.00	< 2.00	2.15 J	< 1.1	< 2.00	< 2.00	2.20 J	< 1.1	200	1000
Chloromethane	< 4.00	< 4.00	1.40 J	< 1.6	< 4.00	< 4.00	< 4.00	< 2.50	< 1.6	< 4.00	< 4.00	< 2.50	< 1.6	< 4.00	< 4.00	< 2.50	< 1.6	3	30
Ethylbenzene	< 1.00	< 1.00	< 1.00	< 0.33	< 1.00	< 1.00	< 1.00	< 1.00	< 0.33	< 1.00	< 1.00	< 1.00	< 0.33	< 1.00	< 1.00	< 1.00	< 0.33	140	700
m,p-Xylene	< 4.00	< 4.00	< 2.00	< 0.70	< 4.00	< 4.00	< 4.00	0.450 J	< 0.70	< 4.00	< 4.00	0.450 J	< 0.70	< 4.00	< 4.00	< 2.00	< 0.70	--	--
Methylene chloride [2]	< 4.00	< 4.00	4.00 J *U*	< 0.32	< 4.00	< 4.00	< 4.00	4.05 J *U*	< 0.32	< 4.00	< 4.00	3.75 J *U*	< 0.32	< 4.00	< 4.00	3.65 J *U*	< 0.32	0.5	5
o-Xylene	< 1.00	< 1.00	0.250 J	< 0.35	< 1.00	< 1.00	< 1.00	< 1.00	< 0.35	< 1.00	< 1.00	< 1.00	< 0.35	< 1.00	< 1.00	0.250 J	< 0.35	--	--
Styrene	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 1.00	< 0.36	< 4.00	< 4.00	< 1.00	< 0.36	10	100
Toluene	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 1.00	< 0.29	< 2.00	< 2.00	< 1.00	< 0.29	160	800
Xylenes, Total	< 6.00	< 6.00	< 3.00	--	< 6.00	< 6.00	< 6.00	< 3.00	--	< 6.00	< 6.00	< 3.00	--	< 6.00	< 6.00	< 3.00	--	400	2000
PCBs, Total (unfiltered)	< 0.533	< 0.532	--	--	< 0.524	< 0.534	< 0.519	--	--	< 0.517	< 0.508	--	--	< 0.531	< 0.529	--	--	0.003	0.03
PCBs, Total (filtered)	--[1]	< 0.515	--	--	< 0.532	< 0.525	< 0.517	--	--	< 0.513	< 0.510	--	--	< 0.530	< 0.523	--	--	0.003	0.03
Detected SVOCs (µg/L)																			
Benzo(a)anthracene	--[1]	< 0.320	--	--	< 0.326	< 0.324	< 0.318	--	--	< 0.311	< 0.307	--	--	< 0.318	< 0.320	--	--	--	--
Chrysene	--[1]	< 0.320	--	--	< 0.326	< 0.324	< 0.318	--	--	< 0.311	< 0.307	--	--	< 0.318	< 0.320	--	--	0.02	0.2
Phenol	--[1]	< 0.534	--	--	< 0.544	< 0.539	< 0.531	--	--	< 0.518	< 0.511	--	--	< 0.531	< 0.533	--	--	400	2000
1,4-Dioxane (µg/L)	< 0.200	< 0.200	< 0.200	0.11 J, B *U*	< 0.200	< 0.200	< 0.200	< 0.200	0.14 J, B *U*	< 0.200	< 0.200	< 0.200	0.093 J, B *U*	< 0.200	< 0.200	0.230 J	**0.35 B *J+***	0.3	3
MNA Geochemical Parameters																			
Ethane (µg/L)	--[1]	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 0.39	< 1.2	< 1.2	< 1.2	< 0.39	--	--
Ethene (µg/L)	--[1]	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 0.25	< 1.2	< 1.2	< 1.2	< 0.25	--	--
Methane (µg/L)	--[1]	< 0.66	< 0.66	< 0.58	1.1 J	0.81 J	< 0.66	< 0.66	< 0.58	1.3 J	15.6	< 0.66	149	1.3 J	1.2 J	9.6	3.0	--	--
TOC (mg/L)	--[1]	2.40	1.81	2.1	2.75 *J*	2.44 *J*	1.08	1.09	1.2	2.39 *J*	1.66	1.22	1.5	2.84 *J*	2.04	1.59	2.5	--	--
Field Parameters [3]																			
Temperature (deg C)	12.1	8.8	8.7	13.2	17.0	--	6.5	9.2	13.1	18.7	7.8	9.5	14.7	17.1	6.7	8.3	12.6	--	--
pH	6.82	6.80	7.16	6.75	7.02	--	6.69	6.99	6.88	6.91	6.88	7.02	6.69	6.99	6.31	7.05	6.94	--	--
Conductivity (mS/cm)	2.728	1.194	1.135	1.099	1.002	--	1.046	0.950	0.903	1.756	1.591	1.024	1.340	1.240	1.100	1.345	1.073	--	--
Dissolved Oxygen (mg/L)	1.97	1.45	1.48	0.92	1.83	--	0.65	3.56	0.48	1.38	0.79	4.86	0.35	3.05	4.2	0.82	0.13	--	--
ORP (mV)	90.5	174.0	158	199.7	38.0	--	105.4	153.1	219.9	-66.4	120.9	144.7	66.3	70.9	230	145.3	31.6	--	--

Notes:
bold - concentration greater than NR 140 PAL
boxed - concentration greater than NR 140 ES
italics - data validation qualifier (refer to data validation reports)
--[1] - slow groundwater recovery prevented the collection of a sufficient volume of water for all the planned laboratory analytical parameters for MW-10 and MW-11 for September 2020 sampling event
--[2] - presumed laboratory artifact
[3] - stabilized field parameters obtained prior to sample collection
--[4] - faulty dissolved oxygen (DO) sensor
-- - not analyzed or not established
B - analyte detected in associated laboratory method blank
CVOCs - chlorinated volatile organic compounds
deg C - degrees Celsius
DUP - duplicate
ES - NR 140 Enforcement Standard
ft bgs - feet below ground surface
J - estimated concentration at or above the limit of detection and below the limit of quantitation
mg/L - milligrams per liter
MNA - monitored natural attenuation
mS/cm - millisiemens per centimeter
mV - millivolts
ORP - oxidation-reduction potential
PAL - NR 140 Preventive Action Limit
PCBs - polychlorinated biphenyls
SVOCs - semi-volatile organic compounds
TOC - total organic carbon
µg/L - micrograms per liter
VOCs - volatile organics compounds

ATTACHMENT 3

Figures



MW-3	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.11 J

MW-4	
DATE	7/22/2021
1,1,1-TCA	6.9
1,1-DCA	9.7
1,1-DCE	< 0.58
cis-1,2-DCE	19.7
PCE	0.47 J
trans-1,2-DCE	0.72 J
TCE	**5.3**
VC	**15.4**
ETHENE	< 0.25
1,4-D	0.12 J

MW-11	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.11 J

MW-5	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	1.2
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.20 J

MW-12	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	0.75 J
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.14 J

MW-10	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	< 0.082

MW-9	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.12 J

MW-2	
DATE	7/22/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	1.5
PCE	3.8
trans-1,2-DCE	< 0.53
TCE	1.1
VC	**0.62 J**
ETHENE	< 0.25
1,4-D	0.095 J

MW-13	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.093 J

MW-8	
DATE	7/22/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.14 J

MW-1	
DATE	7/22/2021
1,1,1-TCA	< 7.6
1,1-DCA	< 7.4
1,1-DCE	< 14.6
cis-1,2-DCE	**5230**
PCE	**2880**
trans-1,2-DCE	23.8 J
TCE	**3240**
VC	**352**
ETHENE	17.5
1,4-D	< 0.082

MW-7	
DATE	7/22/2021
1,1,1-TCA	2.7
1,1-DCA	2.9
1,1-DCE	< 1.5
cis-1,2-DCE	**279**
PCE	2.9
trans-1,2-DCE	16.7
TCE	**10.3**
VC	< 0.44
ETHENE	< 0.25
1,4-D	0.39

MW-14	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	16.4
PCE	< 0.41
trans-1,2-DCE	1.4
TCE	< 0.32
VC	**1.1**
ETHENE	< 0.25
1,4-D	0.35

MW-6	
DATE	7/22/2021
1,1,1-TCA	2.0
1,1-DCA	4.9
1,1-DCE	< 0.58
cis-1,2-DCE	20.2
PCE	< 0.41
trans-1,2-DCE	1.5
TCE	3.0
VC	**1.2**
ETHENE	< 0.25
1,4-D	**18.2**

LEGEND

- APPROXIMATE SITE PROPERTY LINE
- APPROXIMATE ADJACENT PROPERTY LINES
- APPROXIMATE FORMER BUILDING FOOTPRINT
- MW-7 — MONITORING WELL LOCATION
- 633.51 — GROUNDWATER ELEVATION (FT AMSL) (07/20/2021)
- GROUNDWATER ELEVATION CONTOUR
- ESTIMATED GROUNDWATER FLOW DIRECTION
- ESTIMATED EXTENT OF CVOCs > NR 140 ES

NOTES:

ALL DATA IN MICROGRAMS PER LITER (µg/L)
BOX + BOLD - CONCENTRATION GREATER THAN NR 140 ES
CVOC - CHLORINATED VOLATILE ORGANIC COMPOUNDS
DCA - DICHLOROETHANE
DCE - DICHLOROETHENE
ES - ENFORCEMENT STANDARD
FT AMSL - FEET ABOVE MEAN SEA LEVEL
PCE - TETRACHLOROETHENE
TCA - TRICHLOROETHANE
TCE - TRICHLOROETHENE
UST - UNDERGROUND STORAGE TANK
VC - VINYL CHLORIDE
1,4-D - 1,4-DIOXANE

SCALE IN FEET
0 60'

N

Geosyntec consultants

CLIENT: PHARMACIA, LLC.

PROJECT: MILWAUKEE DIE CASTING COMPANY (MDCC) SITE
4132 NORTH HOLTON STREET
MILWAUKEE, WISCONSIN

TITLE: GROUNDWATER DATA SUMMARY MAP - SHALLOW GROUNDWATER

PROJECT: CHW8271N | FIGURE NO.: 1 | DRAWING NO.: 1 OF 2

DATE: October 1, 2021 | FILE NO.:21-05MDCC916

PZ-2	
DATE	7/22/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.19 J

PZ-10	
DATE	7/21/2021
1,1,1-TCA	< 0.30
1,1-DCA	< 0.30
1,1-DCE	< 0.58
cis-1,2-DCE	< 0.47
PCE	< 0.41
trans-1,2-DCE	< 0.53
TCE	< 0.32
VC	< 0.17
ETHENE	< 0.25
1,4-D	0.16 J

PZ-1	
DATE	7/22/2021
1,1,1-TCA	< 3.0
1,1-DCA	< 3.0
1,1-DCE	< 5.8
cis-1,2-DCE	**1450**
PCE	**144**
trans-1,2-DCE	45.8
TCE	**87.4**
VC	**7.9 J**
ETHENE	0.63 J
1,4-D	0.092 J

MW-3
MW-4
MW-11
MW-12
PZ-2
639.95
MW-2
MW-5
PZ-10
616.32
MW-10
MW-9
MW-6
MW-8
MW-13
PZ-1
641.19
MW-1
MW-7
MW-14
NORTH HOLTON STREET
MMSD MIS
620
630
640

LEGEND

- APPROXIMATE SITE PROPERTY LINE
- APPROXIMATE ADJACENT PROPERTY LINES
- APPROXIMATE FORMER BUILDING FOOTPRINT
- MW-7 — MONITORING WELL LOCATION
- PZ-2 — PIEZOMETER LOCATION
- 633.51 — PIEZOMETRIC ELEVATION (FT AMSL) (07/20/2021)
- 632 — PIEZOMETRIC ELEVATION CONTOUR
- ESTIMATED GROUNDWATER FLOW DIRECTION
- ESTIMATED EXTENT OF CVOCs > NR 140 ES

NOTES:

ALL DATA IN MICROGRAMS PER LITER (µg/L)
BOX + BOLD - CONCENTRATION GREATER THAN NR 140 ES
CVOC - CHLORINATED VOLATILE ORGANIC COMPOUNDS
DCA - DICHLOROETHANE
DCE - DICHLOROETHENE
ES - ENFORCEMENT STANDARD
FT AMSL - FEET ABOVE MEAN SEA LEVEL
PCE - TETRACHLOROETHENE
TCA - TRICHLOROETHANE
TCE - TRICHLOROETHENE
UST - UNDERGROUND STORAGE TANK
VC - VINYL CHLORIDE
1,4-D - 1,4-DIOXANE

SCALE IN FEET
0 60'
N

Geosyntec consultants

CLIENT: PHARMACIA, LLC.

PROJECT: MILWAUKEE DIE CASTING COMPANY (MDCC) SITE
4132 NORTH HOLTON STREET
MILWAUKEE, WISCONSIN

TITLE: GROUNDWATER DATA SUMMARY MAP - DEEPER GROUNDWATER

PROJECT: CHW8271N	FIGURE NO.: 2	DRAWING NO.: 2 OF 2
DATE: September 1, 2021	FILE NO.: 2105MDCC916	

ATTACHMENT 4

Laboratory Report and Data Validation Report

Groundwater Monitoring Progress Report
Milwaukee Die Casting Company Site
4132 North Holton Street
Milwaukee, Wisconsin
WDNR BRRTS # 02-41-000023
WDNR FID # 241228240

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

August 23, 2021

Dave Zolp
GEOSYNTEC CONSULTANTS
10600 North Port Washington Rd
Suite 100
Thiensville, WI 53092

RE: Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Dear Dave Zolp:

Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2021. 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
- Pace Analytical Services - Minneapolis

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Jeremiah Johnson, GEOSYNTEC CONSULTANTS

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

CERTIFICATIONS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40230583001	**MW-1**	Water	07/22/21 13:50	07/24/21 09:00
40230583002	**MW-2**	Water	07/22/21 11:25	07/24/21 09:00
40230583003	**MW-2 DUP**	Water	07/22/21 11:25	07/24/21 09:00
40230583004	**MW-3**	Water	07/21/21 12:05	07/24/21 09:00
40230583005	**MW-4**	Water	07/22/21 10:20	07/24/21 09:00
40230583006	**MW-5**	Water	07/21/21 16:20	07/24/21 09:00
40230583007	**MW-6**	Water	07/22/21 11:05	07/24/21 09:00
40230583008	**MW-6 DUP**	Water	07/22/21 11:05	07/24/21 09:00
40230583009	**MW-7**	Water	07/22/21 13:00	07/24/21 09:00
40230583010	**MW-8**	Water	07/22/21 09:50	07/24/21 09:00
40230583011	**MW-9**	Water	07/21/21 14:35	07/24/21 09:00
40230583012	**MW-10**	Water	07/21/21 14:20	07/24/21 09:00
40230583013	**MW-11**	Water	07/21/21 13:45	07/24/21 09:00
40230583014	**MW-12**	Water	07/21/21 09:30	07/24/21 09:00
40230583015	**MW-13**	Water	07/21/21 11:00	07/24/21 09:00
40230583016	**MW-14**	Water	07/21/21 16:23	07/24/21 09:00
40230583017	**PZ-1**	Water	07/22/21 13:00	07/24/21 09:00
40230583018	**PZ-2**	Water	07/22/21 08:26	07/24/21 09:00
40230583019	**PZ-10**	Water	07/21/21 11:45	07/24/21 09:00
40230583020	**EB-072221**	Water	07/22/21 15:50	07/24/21 09:00
40230583021	**TB-072221**	Water	07/22/21 15:55	07/24/21 09:00

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SAMPLE ANALYTE COUNT

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40230583001	**MW-1**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583002	**MW-2**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583003	**MW-2 DUP**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583004	**MW-3**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583005	**MW-4**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583006	**MW-5**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583007	**MW-6**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583008	**MW-6 DUP**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583009	**MW-7**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583010	**MW-8**	EPA 8015B Modified	ALD	3	PASI-G

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SAMPLE ANALYTE COUNT

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583011	**MW-9**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583012	**MW-10**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583013	**MW-11**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583014	**MW-12**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583015	**MW-13**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583016	**MW-14**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583017	**PZ-1**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583018	**PZ-2**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583019	**PZ-10**	EPA 8015B Modified	ALD	3	PASI-G
		EPA 8270E by SIM	MS4	2	PASI-M

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SAMPLE ANALYTE COUNT

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	LAP	65	PASI-G
		SM 5310C	TJJ	1	PASI-G
40230583020	**EB-072221**	EPA 8260	LAP	65	PASI-G
40230583021	**TB-072221**	EPA 8260	LAP	65	PASI-G

PASI-G = Pace Analytical Services - Green Bay
PASI-M = Pace Analytical Services - Minneapolis

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Green Bay, WI 54302
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PROJECT NARRATIVE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Date: August 23, 2021

Case Narrative

Semi-volatile Organics Analysis

8270E by SIM

Pace sample #40230583 001 had a high recovery of the internal standard (IS) 1,4-dioxane-d8 which may bias the 1,4-dioxane result low. The sample was re-extracted and analyzed in excess of the method holding time. The IS had a high recovery again, which could indicate an issue within the sample matrix. Further investigation found that a non-target analyte in the sample may be interfering with the IS recovery. The client requested that the result from the original analysis be reported for this sample with the appropriate qualifiers.

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PROJECT NARRATIVE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Method: **EPA 8015B Modified**
Description: Methane, Ethane, Ethene GCV
Client: GEOSYNTEC CONSULTANTS
Date: August 23, 2021

General Information:
19 samples were analyzed for EPA 8015B Modified by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Method: **EPA 8270E by SIM**
Description: 8270E MSSV 14 Dioxane By SIM
Client: GEOSYNTEC CONSULTANTS
Date: August 23, 2021

General Information:
19 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA Mod. 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 759189

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

- MW-1 (Lab ID: 40230583001)
  - 1,4-Dioxane-d8 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 759189

B: Analyte was detected in the associated method blank.

- BLANK for HBN 759189 [OEXT/607 (Lab ID: 4048813)
  - 1,4-Dioxane (SIM)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Method: **EPA 8270E by SIM**
Description: 8270E MSSV 14 Dioxane By SIM
Client: GEOSYNTEC CONSULTANTS
Date: August 23, 2021

Analyte Comments:

QC Batch: 759189

1q: A library search in the processing software has identified tetrachloroethylene as eluting at the same time as the internal standard and surrogate which is likely the cause for high surrogate and internal standard recovery. Re-extraction out of hold also shows confirming results. Internal standard recovery inversely affects the result of 1,4-dioxane. The result of 1,4-dioxane is bias low.

- MW-1 (Lab ID: 40230583001)
  - 1,4-Dioxane (SIM)

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Green Bay, WI 54302
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PROJECT NARRATIVE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Method: **EPA 8260**
Description: 8260 MSV
Client: GEOSYNTEC CONSULTANTS
Date: August 23, 2021

General Information:
21 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 391287

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40230576006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2258226)
  - 1,2,4-Trichlorobenzene
- MSD (Lab ID: 2258227)
  - 1,2,4-Trichlorobenzene

QC Batch: 391288

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40230583019

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2257177)
  - Chloromethane

R1: RPD value was outside control limits.

- MSD (Lab ID: 2257178)

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PROJECT NARRATIVE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Method: **EPA 8260**
Description: 8260 MSV
Client: GEOSYNTEC CONSULTANTS
Date: August 23, 2021

QC Batch: 391288

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40230583019

R1: RPD value was outside control limits.

- Bromomethane
- Chloromethane

Additional Comments:

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Method: **SM 5310C**
Description: 5310C TOC
Client: GEOSYNTEC CONSULTANTS
Date: August 23, 2021

General Information:
19 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 391549

B: Analyte was detected in the associated method blank.

- BLANK for HBN 391549 [WETA/639 (Lab ID: 2258480)
  - Total Organic Carbon

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-1 **Lab ID: 40230583001** Collected: 07/22/21 13:50 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**2.7J**	ug/L	5.6	0.39	1		08/03/21 09:30	74-84-0	
Ethene	**17.5**	ug/L	5.0	0.25	1		08/03/21 09:30	74-85-1	
Methane	**496**	ug/L	11.2	2.3	4		08/03/21 11:23	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**<0.082**	ug/L	0.24	0.082	1	07/27/21 14:02	07/29/21 16:38	123-91-1	1q
Surrogates									
1,4-Dioxane-d8 (S)	1040	%.	30-125		1	07/27/21 14:02	07/29/21 16:38		S3
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<8.9**	ug/L	25.0	8.9	25		07/29/21 17:47	630-20-6	
1,1,1-Trichloroethane	**<7.6**	ug/L	25.0	7.6	25		07/29/21 17:47	71-55-6	
1,1,2,2-Tetrachloroethane	**<9.4**	ug/L	25.0	9.4	25		07/29/21 17:47	79-34-5	
1,1,2-Trichloroethane	**<8.6**	ug/L	125	8.6	25		07/29/21 17:47	79-00-5	
1,1-Dichloroethane	**<7.4**	ug/L	25.0	7.4	25		07/29/21 17:47	75-34-3	
1,1-Dichloroethene	**<14.6**	ug/L	25.0	14.6	25		07/29/21 17:47	75-35-4	
1,1-Dichloropropene	**<10.3**	ug/L	25.0	10.3	25		07/29/21 17:47	563-58-6	
1,2,3-Trichlorobenzene	**<25.5**	ug/L	125	25.5	25		07/29/21 17:47	87-61-6	
1,2,3-Trichloropropane	**<13.9**	ug/L	125	13.9	25		07/29/21 17:47	96-18-4	
1,2,4-Trichlorobenzene	**<23.8**	ug/L	125	23.8	25		07/29/21 17:47	120-82-1	
1,2,4-Trimethylbenzene	**<11.2**	ug/L	25.0	11.2	25		07/29/21 17:47	95-63-6	
1,2-Dibromo-3-chloropropane	**<59.2**	ug/L	125	59.2	25		07/29/21 17:47	96-12-8	
1,2-Dibromoethane (EDB)	**<7.7**	ug/L	25.0	7.7	25		07/29/21 17:47	106-93-4	
1,2-Dichlorobenzene	**<8.1**	ug/L	25.0	8.1	25		07/29/21 17:47	95-50-1	
1,2-Dichloroethane	**<7.3**	ug/L	25.0	7.3	25		07/29/21 17:47	107-06-2	
1,2-Dichloropropane	**<11.2**	ug/L	25.0	11.2	25		07/29/21 17:47	78-87-5	
1,3,5-Trimethylbenzene	**<8.9**	ug/L	25.0	8.9	25		07/29/21 17:47	108-67-8	
1,3-Dichlorobenzene	**<8.8**	ug/L	25.0	8.8	25		07/29/21 17:47	541-73-1	
1,3-Dichloropropane	**<7.6**	ug/L	25.0	7.6	25		07/29/21 17:47	142-28-9	
1,4-Dichlorobenzene	**<22.3**	ug/L	25.0	22.3	25		07/29/21 17:47	106-46-7	
2,2-Dichloropropane	**<104**	ug/L	125	104	25		07/29/21 17:47	594-20-7	
2-Chlorotoluene	**<22.2**	ug/L	125	22.2	25		07/29/21 17:47	95-49-8	
4-Chlorotoluene	**<22.4**	ug/L	125	22.4	25		07/29/21 17:47	106-43-4	
Benzene	**<7.4**	ug/L	25.0	7.4	25		07/29/21 17:47	71-43-2	
Bromobenzene	**<9.0**	ug/L	25.0	9.0	25		07/29/21 17:47	108-86-1	
Bromochloromethane	**<8.9**	ug/L	125	8.9	25		07/29/21 17:47	74-97-5	
Bromodichloromethane	**<10.4**	ug/L	25.0	10.4	25		07/29/21 17:47	75-27-4	
Bromoform	**<95.0**	ug/L	125	95.0	25		07/29/21 17:47	75-25-2	
Bromomethane	**<29.8**	ug/L	125	29.8	25		07/29/21 17:47	74-83-9	
Carbon disulfide	**<27.6**	ug/L	125	27.6	25		07/29/21 17:47	75-15-0	
Carbon tetrachloride	**<9.2**	ug/L	25.0	9.2	25		07/29/21 17:47	56-23-5	
Chlorobenzene	**<21.4**	ug/L	25.0	21.4	25		07/29/21 17:47	108-90-7	
Chloroethane	**<34.5**	ug/L	125	34.5	25		07/29/21 17:47	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-1 **Lab ID: 40230583001** Collected: 07/22/21 13:50 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<29.6**	ug/L	125	29.6	25		07/29/21 17:47	67-66-3	
Chloromethane	**<40.9**	ug/L	125	40.9	25		07/29/21 17:47	74-87-3	
Dibromochloromethane	**<66.1**	ug/L	125	66.1	25		07/29/21 17:47	124-48-1	
Dibromomethane	**<24.8**	ug/L	125	24.8	25		07/29/21 17:47	74-95-3	
Dichlorodifluoromethane	**<11.4**	ug/L	125	11.4	25		07/29/21 17:47	75-71-8	
Diisopropyl ether	**<27.5**	ug/L	125	27.5	25		07/29/21 17:47	108-20-3	
Ethylbenzene	**<8.1**	ug/L	25.0	8.1	25		07/29/21 17:47	100-41-4	
Hexachloro-1,3-butadiene	**<68.4**	ug/L	125	68.4	25		07/29/21 17:47	87-68-3	
Isopropylbenzene (Cumene)	**<25.0**	ug/L	125	25.0	25		07/29/21 17:47	98-82-8	
Methyl-tert-butyl ether	**<28.2**	ug/L	125	28.2	25		07/29/21 17:47	1634-04-4	
Methylene Chloride	**<8.0**	ug/L	125	8.0	25		07/29/21 17:47	75-09-2	
Naphthalene	**<28.2**	ug/L	125	28.2	25		07/29/21 17:47	91-20-3	
Styrene	**<8.9**	ug/L	25.0	8.9	25		07/29/21 17:47	100-42-5	
Tetrachloroethene	**2880**	ug/L	25.0	10.2	25		07/29/21 17:47	127-18-4	
Toluene	**<7.2**	ug/L	25.0	7.2	25		07/29/21 17:47	108-88-3	
Trichloroethene	**3240**	ug/L	25.0	8.0	25		07/29/21 17:47	79-01-6	
Trichlorofluoromethane	**<10.5**	ug/L	25.0	10.5	25		07/29/21 17:47	75-69-4	
Vinyl chloride	**352**	ug/L	25.0	4.4	25		07/29/21 17:47	75-01-4	
cis-1,2-Dichloroethene	**5230**	ug/L	25.0	11.8	25		07/29/21 17:47	156-59-2	
cis-1,3-Dichloropropene	**<9.0**	ug/L	25.0	9.0	25		07/29/21 17:47	10061-01-5	
m&p-Xylene	**<17.5**	ug/L	50.0	17.5	25		07/29/21 17:47	179601-23-1	
n-Butylbenzene	**<21.4**	ug/L	25.0	21.4	25		07/29/21 17:47	104-51-8	
n-Propylbenzene	**<8.6**	ug/L	25.0	8.6	25		07/29/21 17:47	103-65-1	
o-Xylene	**<8.7**	ug/L	25.0	8.7	25		07/29/21 17:47	95-47-6	
p-Isopropyltoluene	**<26.1**	ug/L	125	26.1	25		07/29/21 17:47	99-87-6	
sec-Butylbenzene	**<10.6**	ug/L	25.0	10.6	25		07/29/21 17:47	135-98-8	
tert-Butylbenzene	**<14.7**	ug/L	25.0	14.7	25		07/29/21 17:47	98-06-6	
trans-1,2-Dichloroethene	**23.8J**	ug/L	25.0	13.2	25		07/29/21 17:47	156-60-5	
trans-1,3-Dichloropropene	**<86.6**	ug/L	125	86.6	25		07/29/21 17:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		25		07/29/21 17:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		25		07/29/21 17:47	2199-69-1	
Toluene-d8 (S)	97	%	70-130		25		07/29/21 17:47	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.0**	mg/L	0.50	0.14	1		07/28/21 12:40	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-2 **Lab ID: 40230583002** Collected: 07/22/21 11:25 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**0.66J**	ug/L	5.6	0.39	1		08/03/21 09:37	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 09:37	74-85-1	
Methane	**124**	ug/L	2.8	0.58	1		08/03/21 09:37	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.095J**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 16:56	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	48	%.	30-125		1	07/27/21 14:02	07/29/21 16:56		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:58	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:58	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 10:58	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 10:58	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:58	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 10:58	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 10:58	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:58	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 10:58	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 10:58	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 10:58	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 10:58	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 10:58	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 10:58	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 10:58	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 10:58	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:58	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:58	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:58	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 10:58	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 10:58	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 10:58	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 10:58	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:58	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:58	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 10:58	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:58	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 10:58	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 10:58	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:58	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 10:58	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 10:58	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 10:58	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-2 **Lab ID: 40230583002** Collected: 07/22/21 11:25 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 10:58	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 10:58	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 10:58	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 10:58	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 10:58	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:58	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 10:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 10:58	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:58	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:58	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 10:58	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:58	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:58	100-42-5	
Tetrachloroethene	**3.8**	ug/L	1.0	0.41	1		07/29/21 10:58	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 10:58	108-88-3	
Trichloroethene	**1.1**	ug/L	1.0	0.32	1		07/29/21 10:58	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:58	75-69-4	
Vinyl chloride	**0.62J**	ug/L	1.0	0.17	1		07/29/21 10:58	75-01-4	
cis-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.47	1		07/29/21 10:58	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:58	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 10:58	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 10:58	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:58	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:58	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:58	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:58	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 10:58	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 10:58	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 10:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/29/21 10:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/29/21 10:58	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 10:58	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.7**	mg/L	0.50	0.14	1		07/28/21 13:29	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-2 DUP **Lab ID: 40230583003** Collected: 07/22/21 11:25 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**0.40J**	ug/L	5.6	0.39	1		08/03/21 09:44	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 09:44	74-85-1	
Methane	**168**	ug/L	2.8	0.58	1		08/03/21 09:44	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.096J**	ug/L	0.24	0.082	1	07/27/21 14:02	07/29/21 17:14	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	48	%.	30-125		1	07/27/21 14:02	07/29/21 17:14		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:17	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:17	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 11:17	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 11:17	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:17	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 11:17	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 11:17	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:17	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 11:17	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 11:17	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 11:17	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 11:17	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 11:17	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 11:17	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 11:17	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 11:17	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:17	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:17	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:17	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 11:17	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 11:17	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 11:17	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 11:17	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:17	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 11:17	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:17	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 11:17	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 11:17	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:17	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 11:17	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 11:17	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 11:17	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-2 DUP **Lab ID: 40230583003** Collected: 07/22/21 11:25 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 11:17	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 11:17	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 11:17	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 11:17	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 11:17	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:17	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 11:17	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 11:17	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:17	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:17	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 11:17	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:17	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:17	100-42-5	
Tetrachloroethene	**3.9**	ug/L	1.0	0.41	1		07/29/21 11:17	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 11:17	108-88-3	
Trichloroethene	**1.3**	ug/L	1.0	0.32	1		07/29/21 11:17	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:17	75-69-4	
Vinyl chloride	**0.81J**	ug/L	1.0	0.17	1		07/29/21 11:17	75-01-4	
cis-1,2-Dichloroethene	**2.0**	ug/L	1.0	0.47	1		07/29/21 11:17	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:17	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 11:17	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 11:17	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:17	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:17	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:17	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:17	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 11:17	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 11:17	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 11:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/29/21 11:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/29/21 11:17	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 11:17	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.9**	mg/L	0.50	0.14	1		07/28/21 13:44	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-3 **Lab ID: 40230583004** Collected: 07/21/21 12:05 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 09:51	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 09:51	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		08/03/21 09:51	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.11J**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 17:31	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	44	%.	30-125		1	07/27/21 14:02	07/29/21 17:31		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:37	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:37	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 11:37	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 11:37	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:37	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 11:37	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 11:37	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:37	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 11:37	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 11:37	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 11:37	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 11:37	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 11:37	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 11:37	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 11:37	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 11:37	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:37	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:37	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:37	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 11:37	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 11:37	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 11:37	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 11:37	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:37	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:37	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 11:37	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:37	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 11:37	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 11:37	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:37	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 11:37	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 11:37	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 11:37	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-3 **Lab ID: 40230583004** Collected: 07/21/21 12:05 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 11:37	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 11:37	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 11:37	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 11:37	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 11:37	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:37	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 11:37	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 11:37	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:37	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:37	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 11:37	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:37	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:37	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 11:37	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 11:37	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 11:37	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:37	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 11:37	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 11:37	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:37	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 11:37	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 11:37	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:37	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:37	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:37	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:37	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 11:37	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 11:37	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 11:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/29/21 11:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/29/21 11:37	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 11:37	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.7**	mg/L	0.50	0.14	1		07/28/21 14:01	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-4 **Lab ID: 40230583005** Collected: 07/22/21 10:20 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 09:58	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 09:58	74-85-1	
Methane	**79.1**	ug/L	2.8	0.58	1		08/03/21 09:58	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.12J**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 17:49	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	42	%.	30-125		1	07/27/21 14:02	07/29/21 17:49		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:12	630-20-6	
1,1,1-Trichloroethane	**6.9**	ug/L	1.0	0.30	1		07/29/21 14:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 14:12	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 14:12	79-00-5	
1,1-Dichloroethane	**9.7**	ug/L	1.0	0.30	1		07/29/21 14:12	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 14:12	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 14:12	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 14:12	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 14:12	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 14:12	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 14:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 14:12	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 14:12	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 14:12	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 14:12	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 14:12	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:12	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 14:12	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 14:12	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 14:12	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 14:12	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 14:12	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 14:12	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 14:12	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:12	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 14:12	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 14:12	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 14:12	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 14:12	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 14:12	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 14:12	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 14:12	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 14:12	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-4 **Lab ID: 40230583005** Collected: 07/22/21 10:20 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 14:12	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 14:12	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 14:12	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 14:12	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 14:12	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 14:12	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 14:12	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 14:12	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 14:12	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 14:12	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 14:12	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 14:12	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:12	100-42-5	
Tetrachloroethene	**0.47J**	ug/L	1.0	0.41	1		07/29/21 14:12	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 14:12	108-88-3	
Trichloroethene	**5.3**	ug/L	1.0	0.32	1		07/29/21 14:12	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 14:12	75-69-4	
Vinyl chloride	**15.4**	ug/L	1.0	0.17	1		07/29/21 14:12	75-01-4	
cis-1,2-Dichloroethene	**19.7**	ug/L	1.0	0.47	1		07/29/21 14:12	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:12	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 14:12	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 14:12	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 14:12	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 14:12	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 14:12	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 14:12	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 14:12	98-06-6	
trans-1,2-Dichloroethene	**0.72J**	ug/L	1.0	0.53	1		07/29/21 14:12	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 14:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/29/21 14:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/29/21 14:12	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 14:12	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**7.3**	mg/L	1.5	0.42	3		07/28/21 14:16	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-5 **Lab ID: 40230583006** Collected: 07/21/21 16:20 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 10:04	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 10:04	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		08/03/21 10:04	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.20J**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 18:07	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	42	%.	30-125		1	07/27/21 14:02	07/29/21 18:07		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:56	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:56	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 11:56	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 11:56	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:56	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 11:56	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 11:56	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:56	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 11:56	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 11:56	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 11:56	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 11:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 11:56	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 11:56	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 11:56	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 11:56	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:56	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:56	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:56	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 11:56	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 11:56	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 11:56	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 11:56	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 11:56	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:56	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 11:56	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:56	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 11:56	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 11:56	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:56	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 11:56	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 11:56	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 11:56	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-5 **Lab ID: 40230583006** Collected: 07/21/21 16:20 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 11:56	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 11:56	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 11:56	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 11:56	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 11:56	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:56	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 11:56	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 11:56	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:56	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:56	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 11:56	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 11:56	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:56	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 11:56	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 11:56	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 11:56	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:56	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 11:56	75-01-4	
cis-1,2-Dichloroethene	**1.2**	ug/L	1.0	0.47	1		07/29/21 11:56	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 11:56	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 11:56	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 11:56	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:56	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 11:56	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 11:56	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 11:56	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 11:56	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 11:56	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 11:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/29/21 11:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/29/21 11:56	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/29/21 11:56	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.9**	mg/L	0.50	0.14	1		07/28/21 14:30	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-6 **Lab ID: 40230583007** Collected: 07/22/21 11:05 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 10:12	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 10:12	74-85-1	
Methane	**63.8**	ug/L	2.8	0.58	1		08/03/21 10:12	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**18.2**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 18:24	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	50	%.	30-125		1	07/27/21 14:02	07/29/21 18:24		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:32	630-20-6	
1,1,1-Trichloroethane	**2.0**	ug/L	1.0	0.30	1		07/29/21 14:32	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 14:32	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 14:32	79-00-5	
1,1-Dichloroethane	**4.9**	ug/L	1.0	0.30	1		07/29/21 14:32	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 14:32	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 14:32	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 14:32	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 14:32	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 14:32	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 14:32	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 14:32	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 14:32	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 14:32	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 14:32	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 14:32	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:32	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 14:32	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 14:32	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 14:32	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 14:32	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 14:32	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 14:32	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 14:32	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:32	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 14:32	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 14:32	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 14:32	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 14:32	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 14:32	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 14:32	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 14:32	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 14:32	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-6 **Lab ID: 40230583007** Collected: 07/22/21 11:05 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 14:32	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 14:32	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 14:32	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 14:32	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 14:32	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 14:32	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 14:32	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 14:32	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 14:32	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 14:32	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 14:32	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 14:32	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:32	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 14:32	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 14:32	108-88-3	
Trichloroethene	**3.0**	ug/L	1.0	0.32	1		07/29/21 14:32	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 14:32	75-69-4	
Vinyl chloride	**1.2**	ug/L	1.0	0.17	1		07/29/21 14:32	75-01-4	
cis-1,2-Dichloroethene	**20.2**	ug/L	1.0	0.47	1		07/29/21 14:32	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 14:32	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 14:32	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 14:32	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 14:32	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 14:32	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 14:32	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 14:32	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 14:32	98-06-6	
trans-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.53	1		07/29/21 14:32	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 14:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/29/21 14:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/29/21 14:32	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/29/21 14:32	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.3**	mg/L	0.50	0.14	1		07/28/21 15:05	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-6 DUP **Lab ID: 40230583008** Collected: 07/22/21 11:05 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 10:18	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 10:18	74-85-1	
Methane	**48.2**	ug/L	2.8	0.58	1		08/03/21 10:18	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**19.1**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 18:42	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	47	%.	30-125		1	07/27/21 14:02	07/29/21 18:42		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:27	630-20-6	
1,1,1-Trichloroethane	**2.5**	ug/L	1.0	0.30	1		07/29/21 17:27	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 17:27	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 17:27	79-00-5	
1,1-Dichloroethane	**5.8**	ug/L	1.0	0.30	1		07/29/21 17:27	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 17:27	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 17:27	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 17:27	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 17:27	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 17:27	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 17:27	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 17:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 17:27	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 17:27	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 17:27	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 17:27	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:27	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 17:27	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 17:27	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 17:27	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 17:27	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 17:27	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 17:27	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 17:27	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:27	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 17:27	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 17:27	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 17:27	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 17:27	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 17:27	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 17:27	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 17:27	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 17:27	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-6 DUP **Lab ID: 40230583008** Collected: 07/22/21 11:05 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 17:27	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 17:27	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 17:27	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 17:27	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 17:27	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 17:27	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 17:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 17:27	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 17:27	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 17:27	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 17:27	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 17:27	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:27	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 17:27	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 17:27	108-88-3	
Trichloroethene	**3.5**	ug/L	1.0	0.32	1		07/29/21 17:27	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 17:27	75-69-4	
Vinyl chloride	**1.6**	ug/L	1.0	0.17	1		07/29/21 17:27	75-01-4	
cis-1,2-Dichloroethene	**25.4**	ug/L	1.0	0.47	1		07/29/21 17:27	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:27	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 17:27	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 17:27	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 17:27	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 17:27	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 17:27	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 17:27	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 17:27	98-06-6	
trans-1,2-Dichloroethene	**1.6**	ug/L	1.0	0.53	1		07/29/21 17:27	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 17:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/29/21 17:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/29/21 17:27	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/29/21 17:27	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.3**	mg/L	0.50	0.14	1		07/28/21 15:20	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-7 **Lab ID: 40230583009** Collected: 07/22/21 13:00 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 12:22	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 12:22	74-85-1	
Methane	**42.7**	ug/L	2.8	0.58	1		08/03/21 12:22	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.39**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 19:00	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	48	%.	30-125		1	07/27/21 14:02	07/29/21 19:00		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.89**	ug/L	2.5	0.89	2.5		07/30/21 10:11	630-20-6	
1,1,1-Trichloroethane	**2.7**	ug/L	2.5	0.76	2.5		07/30/21 10:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.94**	ug/L	2.5	0.94	2.5		07/30/21 10:11	79-34-5	
1,1,2-Trichloroethane	**<0.86**	ug/L	12.5	0.86	2.5		07/30/21 10:11	79-00-5	
1,1-Dichloroethane	**2.9**	ug/L	2.5	0.74	2.5		07/30/21 10:11	75-34-3	
1,1-Dichloroethene	**<1.5**	ug/L	2.5	1.5	2.5		07/30/21 10:11	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	2.5	1.0	2.5		07/30/21 10:11	563-58-6	
1,2,3-Trichlorobenzene	**<2.5**	ug/L	12.5	2.5	2.5		07/30/21 10:11	87-61-6	
1,2,3-Trichloropropane	**<1.4**	ug/L	12.5	1.4	2.5		07/30/21 10:11	96-18-4	
1,2,4-Trichlorobenzene	**<2.4**	ug/L	12.5	2.4	2.5		07/30/21 10:11	120-82-1	
1,2,4-Trimethylbenzene	**<1.1**	ug/L	2.5	1.1	2.5		07/30/21 10:11	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/L	12.5	5.9	2.5		07/30/21 10:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.77**	ug/L	2.5	0.77	2.5		07/30/21 10:11	106-93-4	
1,2-Dichlorobenzene	**<0.81**	ug/L	2.5	0.81	2.5		07/30/21 10:11	95-50-1	
1,2-Dichloroethane	**<0.73**	ug/L	2.5	0.73	2.5		07/30/21 10:11	107-06-2	
1,2-Dichloropropane	**<1.1**	ug/L	2.5	1.1	2.5		07/30/21 10:11	78-87-5	
1,3,5-Trimethylbenzene	**<0.89**	ug/L	2.5	0.89	2.5		07/30/21 10:11	108-67-8	
1,3-Dichlorobenzene	**<0.88**	ug/L	2.5	0.88	2.5		07/30/21 10:11	541-73-1	
1,3-Dichloropropane	**<0.76**	ug/L	2.5	0.76	2.5		07/30/21 10:11	142-28-9	
1,4-Dichlorobenzene	**<2.2**	ug/L	2.5	2.2	2.5		07/30/21 10:11	106-46-7	
2,2-Dichloropropane	**<10.4**	ug/L	12.5	10.4	2.5		07/30/21 10:11	594-20-7	
2-Chlorotoluene	**<2.2**	ug/L	12.5	2.2	2.5		07/30/21 10:11	95-49-8	
4-Chlorotoluene	**<2.2**	ug/L	12.5	2.2	2.5		07/30/21 10:11	106-43-4	
Benzene	**<0.74**	ug/L	2.5	0.74	2.5		07/30/21 10:11	71-43-2	
Bromobenzene	**<0.90**	ug/L	2.5	0.90	2.5		07/30/21 10:11	108-86-1	
Bromochloromethane	**<0.89**	ug/L	12.5	0.89	2.5		07/30/21 10:11	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	2.5	1.0	2.5		07/30/21 10:11	75-27-4	
Bromoform	**<9.5**	ug/L	12.5	9.5	2.5		07/30/21 10:11	75-25-2	
Bromomethane	**<3.0**	ug/L	12.5	3.0	2.5		07/30/21 10:11	74-83-9	
Carbon disulfide	**<2.8**	ug/L	12.5	2.8	2.5		07/30/21 10:11	75-15-0	
Carbon tetrachloride	**<0.92**	ug/L	2.5	0.92	2.5		07/30/21 10:11	56-23-5	
Chlorobenzene	**<2.1**	ug/L	2.5	2.1	2.5		07/30/21 10:11	108-90-7	
Chloroethane	**<3.4**	ug/L	12.5	3.4	2.5		07/30/21 10:11	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-7 **Lab ID: 40230583009** Collected: 07/22/21 13:00 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<3.0**	ug/L	12.5	3.0	2.5		07/30/21 10:11	67-66-3	
Chloromethane	**<4.1**	ug/L	12.5	4.1	2.5		07/30/21 10:11	74-87-3	
Dibromochloromethane	**<6.6**	ug/L	12.5	6.6	2.5		07/30/21 10:11	124-48-1	
Dibromomethane	**<2.5**	ug/L	12.5	2.5	2.5		07/30/21 10:11	74-95-3	
Dichlorodifluoromethane	**<1.1**	ug/L	12.5	1.1	2.5		07/30/21 10:11	75-71-8	
Diisopropyl ether	**<2.8**	ug/L	12.5	2.8	2.5		07/30/21 10:11	108-20-3	
Ethylbenzene	**<0.81**	ug/L	2.5	0.81	2.5		07/30/21 10:11	100-41-4	
Hexachloro-1,3-butadiene	**<6.8**	ug/L	12.5	6.8	2.5		07/30/21 10:11	87-68-3	
Isopropylbenzene (Cumene)	**<2.5**	ug/L	12.5	2.5	2.5		07/30/21 10:11	98-82-8	
Methyl-tert-butyl ether	**<2.8**	ug/L	12.5	2.8	2.5		07/30/21 10:11	1634-04-4	
Methylene Chloride	**<0.80**	ug/L	12.5	0.80	2.5		07/30/21 10:11	75-09-2	
Naphthalene	**<2.8**	ug/L	12.5	2.8	2.5		07/30/21 10:11	91-20-3	
Styrene	**<0.89**	ug/L	2.5	0.89	2.5		07/30/21 10:11	100-42-5	
Tetrachloroethene	**2.9**	ug/L	2.5	1.0	2.5		07/30/21 10:11	127-18-4	
Toluene	**<0.72**	ug/L	2.5	0.72	2.5		07/30/21 10:11	108-88-3	
Trichloroethene	**10.3**	ug/L	2.5	0.80	2.5		07/30/21 10:11	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	2.5	1.0	2.5		07/30/21 10:11	75-69-4	
Vinyl chloride	**<0.44**	ug/L	2.5	0.44	2.5		07/30/21 10:11	75-01-4	
cis-1,2-Dichloroethene	**279**	ug/L	2.5	1.2	2.5		07/30/21 10:11	156-59-2	
cis-1,3-Dichloropropene	**<0.90**	ug/L	2.5	0.90	2.5		07/30/21 10:11	10061-01-5	
m&p-Xylene	**<1.8**	ug/L	5.0	1.8	2.5		07/30/21 10:11	179601-23-1	
n-Butylbenzene	**<2.1**	ug/L	2.5	2.1	2.5		07/30/21 10:11	104-51-8	
n-Propylbenzene	**<0.86**	ug/L	2.5	0.86	2.5		07/30/21 10:11	103-65-1	
o-Xylene	**<0.87**	ug/L	2.5	0.87	2.5		07/30/21 10:11	95-47-6	
p-Isopropyltoluene	**<2.6**	ug/L	12.5	2.6	2.5		07/30/21 10:11	99-87-6	
sec-Butylbenzene	**<1.1**	ug/L	2.5	1.1	2.5		07/30/21 10:11	135-98-8	
tert-Butylbenzene	**<1.5**	ug/L	2.5	1.5	2.5		07/30/21 10:11	98-06-6	
trans-1,2-Dichloroethene	**16.7**	ug/L	2.5	1.3	2.5		07/30/21 10:11	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	12.5	8.7	2.5		07/30/21 10:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		2.5		07/30/21 10:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		2.5		07/30/21 10:11	2199-69-1	
Toluene-d8 (S)	98	%	70-130		2.5		07/30/21 10:11	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.1**	mg/L	0.50	0.14	1		07/28/21 15:36	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-8 **Lab ID: 40230583010** Collected: 07/22/21 09:50 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 12:29	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 12:29	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		08/03/21 12:29	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.14J**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 19:17	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	39	%.	30-125		1	07/27/21 14:02	07/29/21 19:17		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 16:48	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 16:48	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 16:48	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 16:48	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 16:48	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 16:48	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 16:48	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 16:48	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 16:48	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 16:48	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 16:48	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 16:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 16:48	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 16:48	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 16:48	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 16:48	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 16:48	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 16:48	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 16:48	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 16:48	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 16:48	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 16:48	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 16:48	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 16:48	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 16:48	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 16:48	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 16:48	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 16:48	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 16:48	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 16:48	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 16:48	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 16:48	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 16:48	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-8 **Lab ID: 40230583010** Collected: 07/22/21 09:50 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 16:48	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 16:48	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 16:48	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 16:48	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 16:48	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 16:48	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 16:48	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 16:48	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 16:48	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 16:48	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 16:48	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 16:48	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 16:48	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 16:48	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 16:48	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 16:48	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 16:48	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 16:48	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 16:48	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 16:48	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 16:48	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 16:48	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 16:48	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 16:48	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 16:48	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 16:48	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 16:48	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 16:48	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 16:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/29/21 16:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/29/21 16:48	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 16:48	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.3**	mg/L	0.50	0.14	1		07/28/21 15:52	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-9 **Lab ID: 40230583011** Collected: 07/21/21 14:35 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 12:36	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 12:36	74-85-1	
Methane	**1.5J**	ug/L	2.8	0.58	1		08/03/21 12:36	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.12J**	ug/L	0.25	0.086	1	07/27/21 14:02	08/05/21 11:56	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	42	%.	30-125		1	07/27/21 14:02	08/05/21 11:56		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:16	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:16	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 12:16	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 12:16	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:16	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 12:16	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 12:16	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:16	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 12:16	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 12:16	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 12:16	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 12:16	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 12:16	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 12:16	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 12:16	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 12:16	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:16	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:16	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:16	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 12:16	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 12:16	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 12:16	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 12:16	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:16	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:16	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 12:16	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:16	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 12:16	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 12:16	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:16	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 12:16	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 12:16	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 12:16	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-9 **Lab ID: 40230583011** Collected: 07/21/21 14:35 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 12:16	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 12:16	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 12:16	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 12:16	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 12:16	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:16	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 12:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 12:16	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:16	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:16	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 12:16	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:16	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:16	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 12:16	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 12:16	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 12:16	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:16	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 12:16	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 12:16	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:16	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 12:16	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 12:16	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:16	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:16	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:16	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:16	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 12:16	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 12:16	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 12:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/29/21 12:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/29/21 12:16	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 12:16	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**3.3**	mg/L	0.50	0.14	1		07/28/21 16:08	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-10 **Lab ID: 40230583012** Collected: 07/21/21 14:20 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 12:43	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 12:43	74-85-1	
Methane	**8.4**	ug/L	2.8	0.58	1		08/03/21 12:43	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**<0.082**	ug/L	0.24	0.082	1	07/27/21 14:02	08/05/21 12:13	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	48	%.	30-125		1	07/27/21 14:02	08/05/21 12:13		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:35	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 12:35	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 12:35	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:35	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 12:35	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 12:35	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:35	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 12:35	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 12:35	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 12:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 12:35	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 12:35	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 12:35	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 12:35	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 12:35	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:35	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:35	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:35	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 12:35	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 12:35	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 12:35	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 12:35	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:35	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:35	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 12:35	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:35	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 12:35	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 12:35	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:35	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 12:35	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 12:35	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 12:35	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-10 **Lab ID: 40230583012** Collected: 07/21/21 14:20 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 12:35	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 12:35	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 12:35	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 12:35	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 12:35	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:35	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 12:35	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 12:35	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:35	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:35	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 12:35	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:35	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:35	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 12:35	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 12:35	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 12:35	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:35	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 12:35	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 12:35	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:35	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 12:35	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 12:35	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:35	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:35	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:35	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:35	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 12:35	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 12:35	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 12:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/29/21 12:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/29/21 12:35	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 12:35	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.6**	mg/L	0.50	0.14	1		07/28/21 16:23	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-11 **Lab ID: 40230583013** Collected: 07/21/21 13:45 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 12:50	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 12:50	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		08/03/21 12:50	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.11J**	ug/L	0.24	0.082	1	07/27/21 14:02	08/05/21 12:31	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	44	%.	30-125		1	07/27/21 14:02	08/05/21 12:31		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:55	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:55	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 12:55	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 12:55	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:55	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 12:55	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 12:55	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:55	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 12:55	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 12:55	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 12:55	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 12:55	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 12:55	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 12:55	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 12:55	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 12:55	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:55	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:55	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:55	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 12:55	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 12:55	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 12:55	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 12:55	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 12:55	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:55	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 12:55	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:55	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 12:55	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 12:55	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:55	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 12:55	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 12:55	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 12:55	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-11 **Lab ID: 40230583013** Collected: 07/21/21 13:45 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 12:55	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 12:55	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 12:55	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 12:55	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 12:55	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:55	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 12:55	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 12:55	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:55	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:55	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 12:55	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 12:55	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:55	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 12:55	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 12:55	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 12:55	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:55	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 12:55	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 12:55	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 12:55	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 12:55	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 12:55	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:55	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 12:55	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 12:55	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 12:55	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 12:55	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 12:55	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 12:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/29/21 12:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/29/21 12:55	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 12:55	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.1**	mg/L	0.50	0.14	1		07/28/21 16:37	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-12 **Lab ID: 40230583014** Collected: 07/21/21 09:30 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 12:57	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 12:57	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		08/03/21 12:57	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.14J**	ug/L	0.25	0.086	1	07/27/21 14:02	08/05/21 12:48	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	48	%.	30-125		1	07/27/21 14:02	08/05/21 12:48		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:14	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:14	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 13:14	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 13:14	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:14	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 13:14	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 13:14	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:14	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 13:14	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 13:14	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 13:14	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 13:14	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 13:14	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 13:14	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 13:14	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 13:14	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:14	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:14	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:14	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 13:14	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 13:14	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 13:14	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 13:14	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:14	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:14	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 13:14	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:14	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 13:14	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 13:14	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:14	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 13:14	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 13:14	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 13:14	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-12 **Lab ID: 40230583014** Collected: 07/21/21 09:30 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 13:14	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 13:14	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 13:14	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 13:14	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 13:14	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:14	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 13:14	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 13:14	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:14	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:14	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 13:14	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:14	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:14	100-42-5	
Tetrachloroethene	**0.75J**	ug/L	1.0	0.41	1		07/29/21 13:14	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 13:14	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 13:14	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:14	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 13:14	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 13:14	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:14	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 13:14	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 13:14	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:14	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:14	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:14	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:14	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 13:14	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 13:14	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 13:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/29/21 13:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/29/21 13:14	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 13:14	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.2**	mg/L	0.50	0.14	1		07/28/21 16:52	7440-44-0	B

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-13 **Lab ID: 40230583015** Collected: 07/21/21 11:00 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 13:04	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 13:04	74-85-1	
Methane	**149**	ug/L	2.8	0.58	1		08/03/21 13:04	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.093J**	ug/L	0.25	0.086	1	07/27/21 14:02	08/05/21 13:23	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	46	%.	30-125		1	07/27/21 14:02	08/05/21 13:23		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:08	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 17:08	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 17:08	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 17:08	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 17:08	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 17:08	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 17:08	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 17:08	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 17:08	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 17:08	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 17:08	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 17:08	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 17:08	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 17:08	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 17:08	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 17:08	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:08	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 17:08	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 17:08	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 17:08	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 17:08	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 17:08	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 17:08	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 17:08	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:08	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 17:08	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 17:08	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 17:08	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 17:08	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 17:08	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 17:08	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 17:08	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 17:08	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-13 **Lab ID: 40230583015** Collected: 07/21/21 11:00 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 17:08	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 17:08	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 17:08	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 17:08	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 17:08	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 17:08	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 17:08	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 17:08	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 17:08	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 17:08	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 17:08	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 17:08	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:08	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 17:08	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 17:08	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 17:08	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 17:08	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 17:08	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 17:08	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 17:08	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 17:08	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 17:08	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 17:08	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 17:08	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 17:08	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 17:08	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 17:08	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 17:08	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 17:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/29/21 17:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/29/21 17:08	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/29/21 17:08	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.5**	mg/L	0.50	0.14	1		07/28/21 17:07	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-14 **Lab ID: 40230583016** Collected: 07/21/21 16:23 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 13:11	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 13:11	74-85-1	
Methane	**3.0**	ug/L	2.8	0.58	1		08/03/21 13:11	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.35**	ug/L	0.25	0.086	1	07/27/21 14:02	08/05/21 13:41	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	36	%.	30-125		1	07/27/21 14:02	08/05/21 13:41		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:34	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 13:34	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 13:34	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:34	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 13:34	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 13:34	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:34	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 13:34	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 13:34	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 13:34	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 13:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 13:34	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 13:34	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 13:34	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 13:34	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:34	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:34	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:34	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 13:34	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 13:34	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 13:34	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 13:34	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:34	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:34	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 13:34	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:34	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 13:34	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 13:34	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:34	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 13:34	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 13:34	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 13:34	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: MW-14 **Lab ID: 40230583016** Collected: 07/21/21 16:23 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 13:34	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 13:34	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 13:34	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 13:34	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 13:34	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:34	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 13:34	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 13:34	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:34	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:34	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 13:34	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:34	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:34	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 13:34	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 13:34	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 13:34	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:34	75-69-4	
Vinyl chloride	**1.1**	ug/L	1.0	0.17	1		07/29/21 13:34	75-01-4	
cis-1,2-Dichloroethene	**16.4**	ug/L	1.0	0.47	1		07/29/21 13:34	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:34	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 13:34	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 13:34	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:34	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:34	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:34	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:34	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 13:34	98-06-6	
trans-1,2-Dichloroethene	**1.4**	ug/L	1.0	0.53	1		07/29/21 13:34	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 13:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/29/21 13:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/29/21 13:34	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 13:34	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**2.5**	mg/L	0.50	0.14	1		07/28/21 17:23	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: PZ-1 **Lab ID: 40230583017** Collected: 07/22/21 13:00 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 13:17	74-84-0	
Ethene	**0.63J**	ug/L	5.0	0.25	1		08/03/21 13:17	74-85-1	
Methane	**2.4J**	ug/L	2.8	0.58	1		08/03/21 13:17	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.092J**	ug/L	0.25	0.086	1	07/27/21 14:02	08/05/21 13:59	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	65	%.	30-125		1	07/27/21 14:02	08/05/21 13:59		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<3.6**	ug/L	10.0	3.6	10		07/29/21 18:06	630-20-6	
1,1,1-Trichloroethane	**<3.0**	ug/L	10.0	3.0	10		07/29/21 18:06	71-55-6	
1,1,2,2-Tetrachloroethane	**<3.8**	ug/L	10.0	3.8	10		07/29/21 18:06	79-34-5	
1,1,2-Trichloroethane	**<3.4**	ug/L	50.0	3.4	10		07/29/21 18:06	79-00-5	
1,1-Dichloroethane	**<3.0**	ug/L	10.0	3.0	10		07/29/21 18:06	75-34-3	
1,1-Dichloroethene	**<5.8**	ug/L	10.0	5.8	10		07/29/21 18:06	75-35-4	
1,1-Dichloropropene	**<4.1**	ug/L	10.0	4.1	10		07/29/21 18:06	563-58-6	
1,2,3-Trichlorobenzene	**<10.2**	ug/L	50.0	10.2	10		07/29/21 18:06	87-61-6	
1,2,3-Trichloropropane	**<5.6**	ug/L	50.0	5.6	10		07/29/21 18:06	96-18-4	
1,2,4-Trichlorobenzene	**<9.5**	ug/L	50.0	9.5	10		07/29/21 18:06	120-82-1	
1,2,4-Trimethylbenzene	**<4.5**	ug/L	10.0	4.5	10		07/29/21 18:06	95-63-6	
1,2-Dibromo-3-chloropropane	**<23.7**	ug/L	50.0	23.7	10		07/29/21 18:06	96-12-8	
1,2-Dibromoethane (EDB)	**<3.1**	ug/L	10.0	3.1	10		07/29/21 18:06	106-93-4	
1,2-Dichlorobenzene	**<3.3**	ug/L	10.0	3.3	10		07/29/21 18:06	95-50-1	
1,2-Dichloroethane	**<2.9**	ug/L	10.0	2.9	10		07/29/21 18:06	107-06-2	
1,2-Dichloropropane	**<4.5**	ug/L	10.0	4.5	10		07/29/21 18:06	78-87-5	
1,3,5-Trimethylbenzene	**<3.6**	ug/L	10.0	3.6	10		07/29/21 18:06	108-67-8	
1,3-Dichlorobenzene	**<3.5**	ug/L	10.0	3.5	10		07/29/21 18:06	541-73-1	
1,3-Dichloropropane	**<3.0**	ug/L	10.0	3.0	10		07/29/21 18:06	142-28-9	
1,4-Dichlorobenzene	**<8.9**	ug/L	10.0	8.9	10		07/29/21 18:06	106-46-7	
2,2-Dichloropropane	**<41.8**	ug/L	50.0	41.8	10		07/29/21 18:06	594-20-7	
2-Chlorotoluene	**<8.9**	ug/L	50.0	8.9	10		07/29/21 18:06	95-49-8	
4-Chlorotoluene	**<8.9**	ug/L	50.0	8.9	10		07/29/21 18:06	106-43-4	
Benzene	**<3.0**	ug/L	10.0	3.0	10		07/29/21 18:06	71-43-2	
Bromobenzene	**<3.6**	ug/L	10.0	3.6	10		07/29/21 18:06	108-86-1	
Bromochloromethane	**<3.6**	ug/L	50.0	3.6	10		07/29/21 18:06	74-97-5	
Bromodichloromethane	**<4.2**	ug/L	10.0	4.2	10		07/29/21 18:06	75-27-4	
Bromoform	**<38.0**	ug/L	50.0	38.0	10		07/29/21 18:06	75-25-2	
Bromomethane	**<11.9**	ug/L	50.0	11.9	10		07/29/21 18:06	74-83-9	
Carbon disulfide	**<11.0**	ug/L	50.0	11.0	10		07/29/21 18:06	75-15-0	
Carbon tetrachloride	**<3.7**	ug/L	10.0	3.7	10		07/29/21 18:06	56-23-5	
Chlorobenzene	**<8.6**	ug/L	10.0	8.6	10		07/29/21 18:06	108-90-7	
Chloroethane	**<13.8**	ug/L	50.0	13.8	10		07/29/21 18:06	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: PZ-1 **Lab ID: 40230583017** Collected: 07/22/21 13:00 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<11.8**	ug/L	50.0	11.8	10		07/29/21 18:06	67-66-3	
Chloromethane	**<16.4**	ug/L	50.0	16.4	10		07/29/21 18:06	74-87-3	
Dibromochloromethane	**<26.4**	ug/L	50.0	26.4	10		07/29/21 18:06	124-48-1	
Dibromomethane	**<9.9**	ug/L	50.0	9.9	10		07/29/21 18:06	74-95-3	
Dichlorodifluoromethane	**<4.6**	ug/L	50.0	4.6	10		07/29/21 18:06	75-71-8	
Diisopropyl ether	**<11.0**	ug/L	50.0	11.0	10		07/29/21 18:06	108-20-3	
Ethylbenzene	**<3.3**	ug/L	10.0	3.3	10		07/29/21 18:06	100-41-4	
Hexachloro-1,3-butadiene	**<27.4**	ug/L	50.0	27.4	10		07/29/21 18:06	87-68-3	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	50.0	10.0	10		07/29/21 18:06	98-82-8	
Methyl-tert-butyl ether	**<11.3**	ug/L	50.0	11.3	10		07/29/21 18:06	1634-04-4	
Methylene Chloride	**<3.2**	ug/L	50.0	3.2	10		07/29/21 18:06	75-09-2	
Naphthalene	**<11.3**	ug/L	50.0	11.3	10		07/29/21 18:06	91-20-3	
Styrene	**<3.6**	ug/L	10.0	3.6	10		07/29/21 18:06	100-42-5	
Tetrachloroethene	**144**	ug/L	10.0	4.1	10		07/29/21 18:06	127-18-4	
Toluene	**<2.9**	ug/L	10.0	2.9	10		07/29/21 18:06	108-88-3	
Trichloroethene	**87.4**	ug/L	10.0	3.2	10		07/29/21 18:06	79-01-6	
Trichlorofluoromethane	**<4.2**	ug/L	10.0	4.2	10		07/29/21 18:06	75-69-4	
Vinyl chloride	**7.9J**	ug/L	10.0	1.7	10		07/29/21 18:06	75-01-4	
cis-1,2-Dichloroethene	**1450**	ug/L	10.0	4.7	10		07/29/21 18:06	156-59-2	
cis-1,3-Dichloropropene	**<3.6**	ug/L	10.0	3.6	10		07/29/21 18:06	10061-01-5	
m&p-Xylene	**<7.0**	ug/L	20.0	7.0	10		07/29/21 18:06	179601-23-1	
n-Butylbenzene	**<8.6**	ug/L	10.0	8.6	10		07/29/21 18:06	104-51-8	
n-Propylbenzene	**<3.5**	ug/L	10.0	3.5	10		07/29/21 18:06	103-65-1	
o-Xylene	**<3.5**	ug/L	10.0	3.5	10		07/29/21 18:06	95-47-6	
p-Isopropyltoluene	**<10.4**	ug/L	50.0	10.4	10		07/29/21 18:06	99-87-6	
sec-Butylbenzene	**<4.2**	ug/L	10.0	4.2	10		07/29/21 18:06	135-98-8	
tert-Butylbenzene	**<5.9**	ug/L	10.0	5.9	10		07/29/21 18:06	98-06-6	
trans-1,2-Dichloroethene	**45.8**	ug/L	10.0	5.3	10		07/29/21 18:06	156-60-5	
trans-1,3-Dichloropropene	**<34.6**	ug/L	50.0	34.6	10		07/29/21 18:06	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		10		07/29/21 18:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		10		07/29/21 18:06	2199-69-1	
Toluene-d8 (S)	95	%	70-130		10		07/29/21 18:06	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**6.5**	mg/L	0.50	0.14	1		07/29/21 04:57	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: PZ-2 **Lab ID: 40230583018** Collected: 07/22/21 08:26 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 13:40	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 13:40	74-85-1	
Methane	**12.0**	ug/L	2.8	0.58	1		08/03/21 13:40	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.19J**	ug/L	0.25	0.086	1	07/27/21 14:02	08/05/21 14:16	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	40	%.	30-125		1	07/27/21 14:02	08/05/21 14:16		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:53	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:53	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 13:53	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 13:53	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:53	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 13:53	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 13:53	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:53	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 13:53	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 13:53	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 13:53	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 13:53	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 13:53	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 13:53	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 13:53	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 13:53	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:53	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:53	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:53	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 13:53	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 13:53	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 13:53	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 13:53	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 13:53	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:53	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 13:53	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:53	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 13:53	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 13:53	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:53	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 13:53	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 13:53	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 13:53	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: PZ-2 **Lab ID: 40230583018** Collected: 07/22/21 08:26 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 13:53	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 13:53	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 13:53	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 13:53	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 13:53	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:53	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 13:53	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 13:53	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:53	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:53	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 13:53	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 13:53	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:53	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 13:53	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 13:53	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 13:53	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:53	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 13:53	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 13:53	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 13:53	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 13:53	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 13:53	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:53	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 13:53	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 13:53	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 13:53	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 13:53	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 13:53	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 13:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/29/21 13:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/29/21 13:53	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/29/21 13:53	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.6**	mg/L	0.50	0.14	1		07/29/21 05:13	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: PZ-10 **Lab ID: 40230583019** Collected: 07/21/21 11:45 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Ethane	**<0.39**	ug/L	5.6	0.39	1		08/03/21 13:47	74-84-0	
Ethene	**<0.25**	ug/L	5.0	0.25	1		08/03/21 13:47	74-85-1	
Methane	**<0.58**	ug/L	2.8	0.58	1		08/03/21 13:47	74-82-8	
8270E MSSV 14 Dioxane By SIM	Analytical Method: EPA 8270E by SIM Preparation Method: EPA Mod. 3510C Pace Analytical Services - Minneapolis								
1,4-Dioxane (SIM)	**0.16J**	ug/L	0.25	0.086	1	07/27/21 14:02	07/29/21 10:27	123-91-1	B
Surrogates									
1,4-Dioxane-d8 (S)	41	%.	30-125		1	07/27/21 14:02	07/29/21 10:27		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:38	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:38	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 10:38	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 10:38	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:38	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 10:38	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 10:38	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:38	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 10:38	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 10:38	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 10:38	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 10:38	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 10:38	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 10:38	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 10:38	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 10:38	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:38	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:38	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:38	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 10:38	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 10:38	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 10:38	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 10:38	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:38	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:38	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 10:38	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:38	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 10:38	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 10:38	74-83-9	R1
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:38	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 10:38	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 10:38	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 10:38	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: PZ-10 **Lab ID: 40230583019** Collected: 07/21/21 11:45 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 10:38	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 10:38	74-87-3	M1,R1
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 10:38	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 10:38	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 10:38	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:38	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 10:38	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 10:38	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:38	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:38	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 10:38	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:38	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:38	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 10:38	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 10:38	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 10:38	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:38	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 10:38	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 10:38	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:38	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 10:38	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 10:38	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:38	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:38	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:38	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:38	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 10:38	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 10:38	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 10:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/29/21 10:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/29/21 10:38	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 10:38	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
	Pace Analytical Services - Green Bay								
Total Organic Carbon	**1.0**	mg/L	0.50	0.14	1		07/29/21 05:29	7440-44-0	B

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: EB-072221 **Lab ID: 40230583020** Collected: 07/22/21 15:50 Received: 07/24/21 09:00 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	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:19	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:19	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/29/21 10:19	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/29/21 10:19	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:19	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/29/21 10:19	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 10:19	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:19	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/29/21 10:19	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/29/21 10:19	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/29/21 10:19	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/29/21 10:19	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/29/21 10:19	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 10:19	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/29/21 10:19	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/29/21 10:19	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:19	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:19	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:19	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/29/21 10:19	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/29/21 10:19	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 10:19	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/29/21 10:19	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/29/21 10:19	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:19	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/29/21 10:19	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:19	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/29/21 10:19	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/29/21 10:19	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:19	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/29/21 10:19	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 10:19	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/29/21 10:19	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/29/21 10:19	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/29/21 10:19	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/29/21 10:19	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/29/21 10:19	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/29/21 10:19	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:19	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/29/21 10:19	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/29/21 10:19	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:19	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:19	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/29/21 10:19	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/29/21 10:19	91-20-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: EB-072221 **Lab ID: 40230583020** Collected: 07/22/21 15:50 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:19	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/29/21 10:19	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/29/21 10:19	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/29/21 10:19	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:19	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/29/21 10:19	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/29/21 10:19	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/29/21 10:19	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/29/21 10:19	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/29/21 10:19	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:19	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/29/21 10:19	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/29/21 10:19	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/29/21 10:19	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/29/21 10:19	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/29/21 10:19	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/29/21 10:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/29/21 10:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/29/21 10:19	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/29/21 10:19	2037-26-5	

Sample: TB-072221 **Lab ID: 40230583021** Collected: 07/22/21 15:55 Received: 07/24/21 09:00 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	**<0.36**	ug/L	1.0	0.36	1		07/27/21 10:01	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/27/21 10:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		07/27/21 10:01	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		07/27/21 10:01	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		07/27/21 10:01	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		07/27/21 10:01	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		07/27/21 10:01	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		07/27/21 10:01	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		07/27/21 10:01	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		07/27/21 10:01	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		07/27/21 10:01	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		07/27/21 10:01	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		07/27/21 10:01	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		07/27/21 10:01	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		07/27/21 10:01	107-06-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: TB-072221 **Lab ID: 40230583021** Collected: 07/22/21 15:55 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		07/27/21 10:01	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		07/27/21 10:01	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		07/27/21 10:01	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		07/27/21 10:01	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		07/27/21 10:01	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		07/27/21 10:01	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/27/21 10:01	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		07/27/21 10:01	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		07/27/21 10:01	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		07/27/21 10:01	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		07/27/21 10:01	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		07/27/21 10:01	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		07/27/21 10:01	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		07/27/21 10:01	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		07/27/21 10:01	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		07/27/21 10:01	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		07/27/21 10:01	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		07/27/21 10:01	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		07/27/21 10:01	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		07/27/21 10:01	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		07/27/21 10:01	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		07/27/21 10:01	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		07/27/21 10:01	75-71-8	
Diisopropyl ether	**<1.1**	ug/L	5.0	1.1	1		07/27/21 10:01	108-20-3	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		07/27/21 10:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		07/27/21 10:01	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		07/27/21 10:01	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		07/27/21 10:01	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		07/27/21 10:01	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		07/27/21 10:01	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		07/27/21 10:01	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		07/27/21 10:01	127-18-4	
Toluene	**<0.29**	ug/L	1.0	0.29	1		07/27/21 10:01	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		07/27/21 10:01	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		07/27/21 10:01	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		07/27/21 10:01	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		07/27/21 10:01	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		07/27/21 10:01	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		07/27/21 10:01	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		07/27/21 10:01	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		07/27/21 10:01	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		07/27/21 10:01	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		07/27/21 10:01	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/27/21 10:01	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		07/27/21 10:01	98-06-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Sample: TB-072221 **Lab ID: 40230583021** Collected: 07/22/21 15:55 Received: 07/24/21 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		07/27/21 10:01	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		07/27/21 10:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		07/27/21 10:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/27/21 10:01	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/27/21 10:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

QC Batch: 391936
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008

METHOD BLANK: 2260949 Matrix: Water
Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	08/03/21 09:04	
Ethene	ug/L	<0.25	5.0	08/03/21 09:04	
Methane	ug/L	<0.58	2.8	08/03/21 09:04	

LABORATORY CONTROL SAMPLE & LCSD: 2260950 2260951

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	45.2	46.1	84	86	80-120	2	20	
Ethene	ug/L	50	42.9	43.7	86	87	80-120	2	20	
Methane	ug/L	28.6	26.1	26.8	91	94	80-121	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2261088 2261089

Parameter	Units	40230820009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	53.6	53.6	45.3	46.5	85	87	80-122	3	20	
Ethene	ug/L	<0.25	50	50	42.8	44.4	86	89	80-122	4	20	
Methane	ug/L	21.6	28.6	28.6	38.1	40.1	58	65	10-200	5	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

QC Batch: 391937
QC Batch Method: EPA 8015B Modified
Analysis Method: EPA 8015B Modified
Analysis Description: Methane, Ethane, Ethene GCV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019

METHOD BLANK: 2260952 Matrix: Water
Associated Lab Samples: 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.39	5.6	08/03/21 11:52	
Ethene	ug/L	<0.25	5.0	08/03/21 11:52	
Methane	ug/L	<0.58	2.8	08/03/21 11:52	

LABORATORY CONTROL SAMPLE & LCSD: 2260953 2260954

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	45.4	47.6	85	89	80-120	5	20	
Ethene	ug/L	50	43.2	45.3	86	91	80-120	5	20	
Methane	ug/L	28.6	26.4	27.8	93	97	80-121	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2260955 2260956

Parameter	Units	40230583019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.39	53.6	53.6	43.2	45.2	81	84	80-122	4	20	
Ethene	ug/L	<0.25	50	50	40.9	42.7	82	85	80-122	4	20	
Methane	ug/L	<0.58	28.6	28.6	24.9	26.1	87	91	10-200	5	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

QC Batch: 391287
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40230583021

METHOD BLANK: 2257173 Matrix: Water
Associated Lab Samples: 40230583021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	07/27/21 07:39	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	07/27/21 07:39	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	07/27/21 07:39	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	07/27/21 07:39	
1,1-Dichloroethane	ug/L	<0.30	1.0	07/27/21 07:39	
1,1-Dichloroethene	ug/L	<0.58	1.0	07/27/21 07:39	
1,1-Dichloropropene	ug/L	<0.41	1.0	07/27/21 07:39	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	07/27/21 07:39	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	07/27/21 07:39	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/27/21 07:39	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	07/27/21 07:39	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	07/27/21 07:39	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	07/27/21 07:39	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	07/27/21 07:39	
1,2-Dichloroethane	ug/L	<0.29	1.0	07/27/21 07:39	
1,2-Dichloropropane	ug/L	<0.45	1.0	07/27/21 07:39	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	07/27/21 07:39	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	07/27/21 07:39	
1,3-Dichloropropane	ug/L	<0.30	1.0	07/27/21 07:39	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	07/27/21 07:39	
2,2-Dichloropropane	ug/L	<4.2	5.0	07/27/21 07:39	
2-Chlorotoluene	ug/L	<0.89	5.0	07/27/21 07:39	
4-Chlorotoluene	ug/L	<0.89	5.0	07/27/21 07:39	
Benzene	ug/L	<0.30	1.0	07/27/21 07:39	
Bromobenzene	ug/L	<0.36	1.0	07/27/21 07:39	
Bromochloromethane	ug/L	<0.36	5.0	07/27/21 07:39	
Bromodichloromethane	ug/L	<0.42	1.0	07/27/21 07:39	
Bromoform	ug/L	<3.8	5.0	07/27/21 07:39	
Bromomethane	ug/L	<1.2	5.0	07/27/21 07:39	
Carbon disulfide	ug/L	<1.1	5.0	07/27/21 07:39	
Carbon tetrachloride	ug/L	<0.37	1.0	07/27/21 07:39	
Chlorobenzene	ug/L	<0.86	1.0	07/27/21 07:39	
Chloroethane	ug/L	<1.4	5.0	07/27/21 07:39	
Chloroform	ug/L	<1.2	5.0	07/27/21 07:39	
Chloromethane	ug/L	<1.6	5.0	07/27/21 07:39	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	07/27/21 07:39	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	07/27/21 07:39	
Dibromochloromethane	ug/L	<2.6	5.0	07/27/21 07:39	
Dibromomethane	ug/L	<0.99	5.0	07/27/21 07:39	
Dichlorodifluoromethane	ug/L	<0.46	5.0	07/27/21 07:39	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

METHOD BLANK: 2257173 Matrix: Water
Associated Lab Samples: 40230583021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.1	5.0	07/27/21 07:39	
Ethylbenzene	ug/L	<0.33	1.0	07/27/21 07:39	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	07/27/21 07:39	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	07/27/21 07:39	
m&p-Xylene	ug/L	<0.70	2.0	07/27/21 07:39	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	07/27/21 07:39	
Methylene Chloride	ug/L	<0.32	5.0	07/27/21 07:39	
n-Butylbenzene	ug/L	<0.86	1.0	07/27/21 07:39	
n-Propylbenzene	ug/L	<0.35	1.0	07/27/21 07:39	
Naphthalene	ug/L	<1.1	5.0	07/27/21 07:39	
o-Xylene	ug/L	<0.35	1.0	07/27/21 07:39	
p-Isopropyltoluene	ug/L	<1.0	5.0	07/27/21 07:39	
sec-Butylbenzene	ug/L	<0.42	1.0	07/27/21 07:39	
Styrene	ug/L	<0.36	1.0	07/27/21 07:39	
tert-Butylbenzene	ug/L	<0.59	1.0	07/27/21 07:39	
Tetrachloroethene	ug/L	<0.41	1.0	07/27/21 07:39	
Toluene	ug/L	<0.29	1.0	07/27/21 07:39	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	07/27/21 07:39	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	07/27/21 07:39	
Trichloroethene	ug/L	<0.32	1.0	07/27/21 07:39	
Trichlorofluoromethane	ug/L	<0.42	1.0	07/27/21 07:39	
Vinyl chloride	ug/L	<0.17	1.0	07/27/21 07:39	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	07/27/21 07:39	
4-Bromofluorobenzene (S)	%	110	70-130	07/27/21 07:39	
Toluene-d8 (S)	%	100	70-130	07/27/21 07:39	

LABORATORY CONTROL SAMPLE: 2257174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	59.5	119	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	63.1	126	66-130	
1,1,2-Trichloroethane	ug/L	50	55.6	111	70-130	
1,1-Dichloroethane	ug/L	50	57.5	115	68-132	
1,1-Dichloroethene	ug/L	50	48.0	96	85-126	
1,2,4-Trichlorobenzene	ug/L	50	49.9	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	57.8	116	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	56.4	113	70-130	
1,2-Dichlorobenzene	ug/L	50	55.3	111	70-130	
1,2-Dichloroethane	ug/L	50	49.5	99	70-130	
1,2-Dichloropropane	ug/L	50	53.3	107	78-125	
1,3-Dichlorobenzene	ug/L	50	57.3	115	70-130	
1,4-Dichlorobenzene	ug/L	50	55.5	111	70-130	
Benzene	ug/L	50	58.4	117	70-132	
Bromodichloromethane	ug/L	50	53.1	106	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

LABORATORY CONTROL SAMPLE: 2257174

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	48.5	97	65-130	
Bromomethane	ug/L	50	39.1	78	44-128	
Carbon disulfide	ug/L	50	52.1	104	60-140	
Carbon tetrachloride	ug/L	50	61.1	122	70-130	
Chlorobenzene	ug/L	50	57.5	115	70-130	
Chloroethane	ug/L	50	43.8	88	73-137	
Chloroform	ug/L	50	56.9	114	80-122	
Chloromethane	ug/L	50	46.4	93	27-148	
cis-1,2-Dichloroethene	ug/L	50	54.8	110	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.4	103	70-130	
Dibromochloromethane	ug/L	50	54.6	109	70-130	
Dichlorodifluoromethane	ug/L	50	53.4	107	22-151	
Ethylbenzene	ug/L	50	59.3	119	80-123	
Isopropylbenzene (Cumene)	ug/L	50	60.5	121	70-130	
m&p-Xylene	ug/L	100	113	113	70-130	
Methyl-tert-butyl ether	ug/L	50	47.3	95	66-130	
Methylene Chloride	ug/L	50	54.9	110	70-130	
o-Xylene	ug/L	50	54.4	109	70-130	
Styrene	ug/L	50	55.6	111	70-130	
Tetrachloroethene	ug/L	50	61.9	124	70-130	
Toluene	ug/L	50	58.9	118	80-121	
trans-1,2-Dichloroethene	ug/L	50	61.9	124	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.8	104	58-125	
Trichloroethene	ug/L	50	58.6	117	70-130	
Trichlorofluoromethane	ug/L	50	48.0	96	84-148	
Vinyl chloride	ug/L	50	51.3	103	63-142	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			113	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2258226 2258227

Parameter	Units	40230576006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	57.0	54.8	114	110	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	58.9	56.1	118	112	66-130	5	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	53.0	52.4	106	105	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	56.8	55.7	114	111	68-132	2	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	47.3	46.0	95	92	76-132	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	34.5	30.2	69	60	70-130	13	20	M1
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	55.0	56.4	110	113	51-126	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	54.4	53.6	109	107	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	46.2	41.0	92	82	70-130	12	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	48.4	47.8	97	96	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2258226 2258227

Parameter	Units	40230576006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	<0.45	50	50	50.7	48.8	101	98	77-125	4	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	47.4	41.7	95	83	70-130	13	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	46.2	41.8	92	84	70-130	10	20	
Benzene	ug/L	<0.30	50	50	57.0	55.3	114	111	70-132	3	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.0	48.5	102	97	70-130	5	20	
Bromoform	ug/L	<3.8	50	50	46.1	43.4	92	87	65-130	6	20	
Bromomethane	ug/L	<1.2	50	50	37.7	38.7	75	77	44-128	3	21	
Carbon disulfide	ug/L	<1.1	50	50	51.2	50.2	102	100	60-140	2	20	
Carbon tetrachloride	ug/L	<0.37	50	50	57.6	54.8	115	110	70-132	5	20	
Chlorobenzene	ug/L	<0.86	50	50	52.8	49.1	106	98	70-130	7	20	
Chloroethane	ug/L	<1.4	50	50	44.2	43.8	88	88	70-137	1	20	
Chloroform	ug/L	<1.2	50	50	56.2	54.7	112	109	80-122	3	20	
Chloromethane	ug/L	<1.6	50	50	45.1	45.7	90	91	17-149	1	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	55.0	54.3	110	109	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	48.5	46.7	97	93	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	52.8	50.9	106	102	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	50.2	48.5	100	97	22-158	4	20	
Ethylbenzene	ug/L	<0.33	50	50	51.6	48.8	103	98	80-123	6	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50.2	45.4	100	91	70-130	10	20	
m&p-Xylene	ug/L	<0.70	100	100	101	93.0	101	93	70-130	8	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	48.2	48.3	96	97	66-130	0	20	
Methylene Chloride	ug/L	<0.32	50	50	55.6	54.6	111	109	70-130	2	20	
o-Xylene	ug/L	<0.35	50	50	48.6	44.7	97	89	70-130	8	20	
Styrene	ug/L	<0.36	50	50	49.1	46.1	98	92	70-130	6	20	
Tetrachloroethene	ug/L	<0.41	50	50	55.6	53.2	111	106	70-130	4	20	
Toluene	ug/L	<0.29	50	50	55.4	53.2	111	106	80-121	4	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	61.7	59.4	123	119	70-134	4	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	48.7	47.6	97	95	58-130	2	20	
Trichloroethene	ug/L	<0.32	50	50	56.2	53.6	112	107	70-130	5	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	46.8	45.7	94	91	82-151	2	20	
Vinyl chloride	ug/L	<0.17	50	50	50.1	50.0	100	100	61-143	0	20	
1,2-Dichlorobenzene-d4 (S)	%						103	103	70-130			
4-Bromofluorobenzene (S)	%						109	114	70-130			
Toluene-d8 (S)	%						100	102	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

QC Batch: 391288
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008, 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019, 40230583020

METHOD BLANK: 2257175
Matrix: Water
Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008, 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019, 40230583020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	07/29/21 08:02	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	07/29/21 08:02	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	07/29/21 08:02	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	07/29/21 08:02	
1,1-Dichloroethane	ug/L	<0.30	1.0	07/29/21 08:02	
1,1-Dichloroethene	ug/L	<0.58	1.0	07/29/21 08:02	
1,1-Dichloropropene	ug/L	<0.41	1.0	07/29/21 08:02	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	07/29/21 08:02	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	07/29/21 08:02	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/29/21 08:02	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	07/29/21 08:02	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	07/29/21 08:02	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	07/29/21 08:02	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	07/29/21 08:02	
1,2-Dichloroethane	ug/L	<0.29	1.0	07/29/21 08:02	
1,2-Dichloropropane	ug/L	<0.45	1.0	07/29/21 08:02	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	07/29/21 08:02	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	07/29/21 08:02	
1,3-Dichloropropane	ug/L	<0.30	1.0	07/29/21 08:02	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	07/29/21 08:02	
2,2-Dichloropropane	ug/L	<4.2	5.0	07/29/21 08:02	
2-Chlorotoluene	ug/L	<0.89	5.0	07/29/21 08:02	
4-Chlorotoluene	ug/L	<0.89	5.0	07/29/21 08:02	
Benzene	ug/L	<0.30	1.0	07/29/21 08:02	
Bromobenzene	ug/L	<0.36	1.0	07/29/21 08:02	
Bromochloromethane	ug/L	<0.36	5.0	07/29/21 08:02	
Bromodichloromethane	ug/L	<0.42	1.0	07/29/21 08:02	
Bromoform	ug/L	<3.8	5.0	07/29/21 08:02	
Bromomethane	ug/L	<1.2	5.0	07/29/21 08:02	
Carbon disulfide	ug/L	<1.1	5.0	07/29/21 08:02	
Carbon tetrachloride	ug/L	<0.37	1.0	07/29/21 08:02	
Chlorobenzene	ug/L	<0.86	1.0	07/29/21 08:02	
Chloroethane	ug/L	<1.4	5.0	07/29/21 08:02	
Chloroform	ug/L	<1.2	5.0	07/29/21 08:02	
Chloromethane	ug/L	<1.6	5.0	07/29/21 08:02	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	07/29/21 08:02	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	07/29/21 08:02	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

METHOD BLANK: 2257175 Matrix: Water

Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008, 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019, 40230583020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	<2.6	5.0	07/29/21 08:02	
Dibromomethane	ug/L	<0.99	5.0	07/29/21 08:02	
Dichlorodifluoromethane	ug/L	<0.46	5.0	07/29/21 08:02	
Diisopropyl ether	ug/L	<1.1	5.0	07/29/21 08:02	
Ethylbenzene	ug/L	<0.33	1.0	07/29/21 08:02	
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	07/29/21 08:02	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	07/29/21 08:02	
m&p-Xylene	ug/L	<0.70	2.0	07/29/21 08:02	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	07/29/21 08:02	
Methylene Chloride	ug/L	<0.32	5.0	07/29/21 08:02	
n-Butylbenzene	ug/L	<0.86	1.0	07/29/21 08:02	
n-Propylbenzene	ug/L	<0.35	1.0	07/29/21 08:02	
Naphthalene	ug/L	<1.1	5.0	07/29/21 08:02	
o-Xylene	ug/L	<0.35	1.0	07/29/21 08:02	
p-Isopropyltoluene	ug/L	<1.0	5.0	07/29/21 08:02	
sec-Butylbenzene	ug/L	<0.42	1.0	07/29/21 08:02	
Styrene	ug/L	<0.36	1.0	07/29/21 08:02	
tert-Butylbenzene	ug/L	<0.59	1.0	07/29/21 08:02	
Tetrachloroethene	ug/L	<0.41	1.0	07/29/21 08:02	
Toluene	ug/L	<0.29	1.0	07/29/21 08:02	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	07/29/21 08:02	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	07/29/21 08:02	
Trichloroethene	ug/L	<0.32	1.0	07/29/21 08:02	
Trichlorofluoromethane	ug/L	<0.42	1.0	07/29/21 08:02	
Vinyl chloride	ug/L	<0.17	1.0	07/29/21 08:02	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	07/29/21 08:02	
4-Bromofluorobenzene (S)	%	96	70-130	07/29/21 08:02	
Toluene-d8 (S)	%	98	70-130	07/29/21 08:02	

LABORATORY CONTROL SAMPLE: 2257176

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.7	97	70-130	
1,1,1-Trichloroethane	ug/L	50	48.9	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	66-130	
1,1,2-Trichloroethane	ug/L	50	47.8	96	70-130	
1,1-Dichloroethane	ug/L	50	53.2	106	68-132	
1,1-Dichloroethene	ug/L	50	48.5	97	85-126	
1,1-Dichloropropene	ug/L	50	48.9	98	70-130	
1,2,3-Trichlorobenzene	ug/L	50	47.1	94	70-130	
1,2,3-Trichloropropane	ug/L	50	44.2	88	65-135	
1,2,4-Trichlorobenzene	ug/L	50	44.8	90	70-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

LABORATORY CONTROL SAMPLE: 2257176

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	49.3	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.3	89	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	48.6	97	70-130	
1,2-Dichlorobenzene	ug/L	50	46.9	94	70-130	
1,2-Dichloroethane	ug/L	50	47.7	95	70-130	
1,2-Dichloropropane	ug/L	50	50.5	101	78-125	
1,3,5-Trimethylbenzene	ug/L	50	47.7	95	70-130	
1,3-Dichlorobenzene	ug/L	50	45.2	90	70-130	
1,3-Dichloropropane	ug/L	50	48.4	97	70-133	
1,4-Dichlorobenzene	ug/L	50	44.7	89	70-130	
2,2-Dichloropropane	ug/L	50	50.2	100	59-136	
2-Chlorotoluene	ug/L	50	45.7	91	70-130	
4-Chlorotoluene	ug/L	50	46.0	92	70-130	
Benzene	ug/L	50	50.8	102	70-132	
Bromobenzene	ug/L	50	45.8	92	70-130	
Bromochloromethane	ug/L	50	51.0	102	70-130	
Bromodichloromethane	ug/L	50	51.9	104	70-130	
Bromoform	ug/L	50	42.2	84	65-130	
Bromomethane	ug/L	50	36.6	73	44-128	
Carbon disulfide	ug/L	50	45.5	91	60-140	
Carbon tetrachloride	ug/L	50	51.2	102	70-130	
Chlorobenzene	ug/L	50	47.8	96	70-130	
Chloroethane	ug/L	50	44.4	89	73-137	
Chloroform	ug/L	50	52.0	104	80-122	
Chloromethane	ug/L	50	45.2	90	27-148	
cis-1,2-Dichloroethene	ug/L	50	50.1	100	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Dibromochloromethane	ug/L	50	47.9	96	70-130	
Dibromomethane	ug/L	50	51.2	102	70-130	
Dichlorodifluoromethane	ug/L	50	35.5	71	22-151	
Diisopropyl ether	ug/L	50	47.3	95	53-135	
Ethylbenzene	ug/L	50	48.7	97	80-123	
Hexachloro-1,3-butadiene	ug/L	50	46.0	92	69-130	
Isopropylbenzene (Cumene)	ug/L	50	51.0	102	70-130	
m&p-Xylene	ug/L	100	95.4	95	70-130	
Methyl-tert-butyl ether	ug/L	50	44.5	89	66-130	
Methylene Chloride	ug/L	50	46.5	93	70-130	
n-Butylbenzene	ug/L	50	47.1	94	70-132	
n-Propylbenzene	ug/L	50	49.0	98	70-130	
Naphthalene	ug/L	50	45.0	90	70-130	
o-Xylene	ug/L	50	47.4	95	70-130	
p-Isopropyltoluene	ug/L	50	49.8	100	70-130	
sec-Butylbenzene	ug/L	50	49.5	99	70-130	
Styrene	ug/L	50	45.5	91	70-130	
tert-Butylbenzene	ug/L	50	49.0	98	70-130	
Tetrachloroethene	ug/L	50	47.9	96	70-130	
Toluene	ug/L	50	48.5	97	80-121	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

LABORATORY CONTROL SAMPLE: 2257176

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	50	49.4	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.2	88	58-125	
Trichloroethene	ug/L	50	49.4	99	70-130	
Trichlorofluoromethane	ug/L	50	42.4	85	84-148	
Vinyl chloride	ug/L	50	46.4	93	63-142	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2257177 2257178

Parameter	Units	40230583019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.36	50	50	52.4	51.4	105	103	70-130	2	20	
1,1,1-Trichloroethane	ug/L	<0.30	50	50	50.9	50.4	102	101	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	51.6	50.4	103	101	66-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	52.2	49.1	104	98	70-130	6	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	55.4	53.2	111	106	68-132	4	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	50.5	50.0	101	100	76-132	1	20	
1,1-Dichloropropene	ug/L	<0.41	50	50	51.1	49.5	102	99	70-130	3	20	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	50.2	50.7	100	101	70-130	1	20	
1,2,3-Trichloropropane	ug/L	<0.56	50	50	44.7	44.0	89	88	65-135	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.1	48.1	100	96	70-130	4	20	
1,2,4-Trimethylbenzene	ug/L	<0.45	50	50	52.8	51.6	106	103	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	47.4	45.9	95	92	51-126	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	52.9	50.0	106	100	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	49.6	48.4	99	97	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	56.8	49.7	114	99	70-130	13	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	54.0	51.6	108	103	77-125	4	20	
1,3,5-Trimethylbenzene	ug/L	<0.36	50	50	50.1	49.7	100	99	70-130	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	48.9	48.3	98	97	70-130	1	20	
1,3-Dichloropropane	ug/L	<0.30	50	50	53.7	49.4	107	99	70-133	8	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	48.0	47.4	96	95	70-130	1	20	
2,2-Dichloropropane	ug/L	<4.2	50	50	54.3	52.8	109	106	59-136	3	20	
2-Chlorotoluene	ug/L	<0.89	50	50	49.2	48.1	98	96	70-130	2	20	
4-Chlorotoluene	ug/L	<0.89	50	50	49.6	48.6	99	97	70-130	2	20	
Benzene	ug/L	<0.30	50	50	53.4	51.3	107	103	70-132	4	20	
Bromobenzene	ug/L	<0.36	50	50	50.1	48.0	100	96	70-130	4	20	
Bromochloromethane	ug/L	<0.36	50	50	54.1	51.6	108	103	70-130	5	20	
Bromodichloromethane	ug/L	<0.42	50	50	55.1	51.6	110	103	70-130	7	20	
Bromoform	ug/L	<3.8	50	50	46.7	43.4	93	87	65-130	7	20	
Bromomethane	ug/L	<1.2	50	50	46.8	37.3	94	75	44-128	22	21	R1
Carbon disulfide	ug/L	<1.1	50	50	47.2	46.3	94	93	60-140	2	20	
Carbon tetrachloride	ug/L	<0.37	50	50	53.8	51.6	108	103	70-132	4	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2257177 2257178

Parameter	Units	40230583019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	<0.86	50	50	52.0	48.8	104	98	70-130	6	20	
Chloroethane	ug/L	<1.4	50	50	44.8	43.5	90	87	70-137	3	20	
Chloroform	ug/L	<1.2	50	50	54.7	50.3	109	101	80-122	8	20	
Chloromethane	ug/L	<1.6	50	50	143	43.8	285	88	17-149	106	20	M1,R1
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	53.4	50.5	107	101	70-130	6	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	48.8	46.4	98	93	70-130	5	20	
Dibromochloromethane	ug/L	<2.6	50	50	53.3	50.1	107	100	70-130	6	20	
Dibromomethane	ug/L	<0.99	50	50	53.4	50.9	107	102	70-130	5	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	37.1	35.7	74	71	22-158	4	20	
Diisopropyl ether	ug/L	<1.1	50	50	53.5	48.9	107	98	53-135	9	20	
Ethylbenzene	ug/L	<0.33	50	50	51.8	49.7	104	99	80-123	4	20	
Hexachloro-1,3-butadiene	ug/L	<2.7	50	50	47.0	46.3	94	93	69-130	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	54.1	51.7	108	103	70-130	5	20	
m&p-Xylene	ug/L	<0.70	100	100	102	97.7	102	98	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.8	47.3	100	95	66-130	5	20	
Methylene Chloride	ug/L	<0.32	50	50	49.8	47.3	100	95	70-130	5	20	
n-Butylbenzene	ug/L	<0.86	50	50	49.5	48.6	99	97	70-132	2	20	
n-Propylbenzene	ug/L	<0.35	50	50	52.0	51.0	104	102	70-130	2	20	
Naphthalene	ug/L	<1.1	50	50	49.1	48.3	98	97	70-130	2	20	
o-Xylene	ug/L	<0.35	50	50	51.8	49.1	104	98	70-130	5	20	
p-Isopropyltoluene	ug/L	<1.0	50	50	52.2	51.9	104	104	70-130	1	20	
sec-Butylbenzene	ug/L	<0.42	50	50	51.8	51.2	104	102	70-130	1	20	
Styrene	ug/L	<0.36	50	50	49.5	46.3	99	93	70-130	7	20	
tert-Butylbenzene	ug/L	<0.59	50	50	52.0	52.6	104	105	70-130	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	51.2	48.8	102	98	70-130	5	20	
Toluene	ug/L	<0.29	50	50	52.0	49.8	104	100	80-121	4	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	50.5	50.4	101	101	70-134	0	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	50.4	47.7	101	95	58-130	6	20	
Trichloroethene	ug/L	<0.32	50	50	51.6	50.0	103	100	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	43.3	41.5	87	83	82-151	4	20	
Vinyl chloride	ug/L	<0.17	50	50	48.2	45.0	96	90	61-143	7	20	
1,2-Dichlorobenzene-d4 (S)	%						98	100	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

QC Batch: 759189
QC Batch Method: EPA Mod. 3510C
Analysis Method: EPA 8270E by SIM
Analysis Description: 8270E Water 14 Dioxane by SIM
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008, 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019

METHOD BLANK: 4048813 Matrix: Water
Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008, 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (SIM)	ug/L	0.14J	0.25	07/29/21 09:52	
1,4-Dioxane-d8 (S)	%.	35	30-125	07/29/21 09:52	

LABORATORY CONTROL SAMPLE: 4048814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (SIM)	ug/L	10	7.3	73	59-134	
1,4-Dioxane-d8 (S)	%.			43	30-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4048816 4048817

Parameter	Units	40230583019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (SIM)	ug/L	0.16J	9.1	10	8.7	8.7	94	86	46-150	0	30	
1,4-Dioxane-d8 (S)	%.						38	44	30-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

QC Batch: 391549 — Analysis Method: SM 5310C
QC Batch Method: SM 5310C — Analysis Description: 5310C Total Organic Carbon
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008, 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019

METHOD BLANK: 2258480 — Matrix: Water

Associated Lab Samples: 40230583001, 40230583002, 40230583003, 40230583004, 40230583005, 40230583006, 40230583007, 40230583008, 40230583009, 40230583010, 40230583011, 40230583012, 40230583013, 40230583014, 40230583015, 40230583016, 40230583017, 40230583018, 40230583019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.15J	0.50	07/28/21 12:09	

LABORATORY CONTROL SAMPLE: 2258481

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	11.9	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2258482 2258483

Parameter	Units	40230583001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	3.0	6	6	8.6	8.6	94	94	80-120	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2258484 2258485

Parameter	Units	40230583019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	1.0	6	6	6.7	6.4	95	90	80-120	5	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

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	A library search in the processing software has identified tetrachloroethylene as eluting at the same time as the internal standard and surrogate which is likely the cause for high surrogate and internal standard recovery. Re-extraction out of hold also shows confirming results. Internal standard recovery inversely affects the result of 1,4-dioxane. The result of 1,4-dioxane is bias low.
B	Analyte was detected in the associated method blank.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40230583001	**MW-1**	EPA 8015B Modified	391936		
40230583002	**MW-2**	EPA 8015B Modified	391936		
40230583003	**MW-2 DUP**	EPA 8015B Modified	391936		
40230583004	**MW-3**	EPA 8015B Modified	391936		
40230583005	**MW-4**	EPA 8015B Modified	391936		
40230583006	**MW-5**	EPA 8015B Modified	391936		
40230583007	**MW-6**	EPA 8015B Modified	391936		
40230583008	**MW-6 DUP**	EPA 8015B Modified	391936		
40230583009	**MW-7**	EPA 8015B Modified	391937		
40230583010	**MW-8**	EPA 8015B Modified	391937		
40230583011	**MW-9**	EPA 8015B Modified	391937		
40230583012	**MW-10**	EPA 8015B Modified	391937		
40230583013	**MW-11**	EPA 8015B Modified	391937		
40230583014	**MW-12**	EPA 8015B Modified	391937		
40230583015	**MW-13**	EPA 8015B Modified	391937		
40230583016	**MW-14**	EPA 8015B Modified	391937		
40230583017	**PZ-1**	EPA 8015B Modified	391937		
40230583018	**PZ-2**	EPA 8015B Modified	391937		
40230583019	**PZ-10**	EPA 8015B Modified	391937		
40230583001	**MW-1**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583002	**MW-2**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583003	**MW-2 DUP**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583004	**MW-3**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583005	**MW-4**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583006	**MW-5**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583007	**MW-6**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583008	**MW-6 DUP**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583009	**MW-7**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583010	**MW-8**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583011	**MW-9**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583012	**MW-10**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583013	**MW-11**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583014	**MW-12**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583015	**MW-13**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583016	**MW-14**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583017	**PZ-1**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583018	**PZ-2**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583019	**PZ-10**	EPA Mod. 3510C	759189	EPA 8270E by SIM	759761
40230583001	**MW-1**	EPA 8260	391288		
40230583002	**MW-2**	EPA 8260	391288		
40230583003	**MW-2 DUP**	EPA 8260	391288		
40230583004	**MW-3**	EPA 8260	391288		
40230583005	**MW-4**	EPA 8260	391288		
40230583006	**MW-5**	EPA 8260	391288		
40230583007	**MW-6**	EPA 8260	391288		
40230583008	**MW-6 DUP**	EPA 8260	391288		
40230583009	**MW-7**	EPA 8260	391288		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHW8271N/02 MDCC
Pace Project No.: 40230583

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40230583010	**MW-8**	EPA 8260	391288		
40230583011	**MW-9**	EPA 8260	391288		
40230583012	**MW-10**	EPA 8260	391288		
40230583013	**MW-11**	EPA 8260	391288		
40230583014	**MW-12**	EPA 8260	391288		
40230583015	**MW-13**	EPA 8260	391288		
40230583016	**MW-14**	EPA 8260	391288		
40230583017	**PZ-1**	EPA 8260	391288		
40230583018	**PZ-2**	EPA 8260	391288		
40230583019	**PZ-10**	EPA 8260	391288		
40230583020	**EB-072221**	EPA 8260	391288		
40230583021	**TB-072221**	EPA 8260	391287		
40230583001	**MW-1**	SM 5310C	391549		
40230583002	**MW-2**	SM 5310C	391549		
40230583003	**MW-2 DUP**	SM 5310C	391549		
40230583004	**MW-3**	SM 5310C	391549		
40230583005	**MW-4**	SM 5310C	391549		
40230583006	**MW-5**	SM 5310C	391549		
40230583007	**MW-6**	SM 5310C	391549		
40230583008	**MW-6 DUP**	SM 5310C	391549		
40230583009	**MW-7**	SM 5310C	391549		
40230583010	**MW-8**	SM 5310C	391549		
40230583011	**MW-9**	SM 5310C	391549		
40230583012	**MW-10**	SM 5310C	391549		
40230583013	**MW-11**	SM 5310C	391549		
40230583014	**MW-12**	SM 5310C	391549		
40230583015	**MW-13**	SM 5310C	391549		
40230583016	**MW-14**	SM 5310C	391549		
40230583017	**PZ-1**	SM 5310C	391549		
40230583018	**PZ-2**	SM 5310C	391549		
40230583019	**PZ-10**	SM 5310C	391549		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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www.pacelabs.com

CHAIN OF CUSTODY

40230583

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Geosyntec Consultants
Branch/Location:	Mequon, WI
Project Contact:	Seremiah Johnson
Phone:	2628340228
Project Number:	CHW8271N/02
Project Name:	MDCC
Project State:	WI
Sampled By (Print):	C. Kolp
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Seremiah Johnson
Mail To Company:	Geosyntec Consultants
Mail To Address:	10600 N. Port Washington Rd Ste 100 Mequon, WI 53092
Invoice To Contact:	SEE ABOVE
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: VOCs (EPA 8260)	1,4 Dioxane (EPA 8270 SIM)	Methane, Ethane, Ethene (EPA 8015B Mod)	TOC (SM 5310B)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	N B	N A	N B	N C			
001	MW-1	7/22/21	1350	GW			X	X	X	X			
002	MW-2	7/22/21	1125				X	X	X	X			
003	MW-2DUP	7/22/21	1125				X	X	X	X			
004	MW-3	7/21/21	1205				X	X	X	X			
005	MW-4	7/22/21	1080				X	X	X	X			
006	MW-5	7/21/21	1620				X	X	X	X			
007	MW-6	7/20/21	1105				X	X	X	X			
008	MW-6 DUP	7/22/21	1105				X	X	X	X			
009	MW-7	7/22/21	1300				X	X	X	X			
010	MW-8	7/22/21	0950				X	X	X	X			
011	MW-9	7/21/21	1435				X	X	X	X			
012	MW-10	7/21/21	1420				X	X	X	X			
013	MW-11	7/21/21	1345	↓			X	X	X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Cody Kolp	7/23/21 1500		
CS Logistics	7/24/21 0900	Anthony Wedel	7/24/21 0900

PACE Project No. 40230583
Receipt Temp = 4.5 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 08/14/08

ORIGINAL

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40230583

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Geosyntec Consultants
Branch/Location:	
Project Contact:	SEE PAGE
Phone:	1/2
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	C. Holp
Sampled By (Sign):	Cody Holp
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	SEE PAGE
Mail To Address:	1/2
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air; B = Biota; C = Charcoal; O = Oil; S = Soil; SI = Sludge; W = Water; DW = Drinking Water; GW = Ground Water; SW = Surface Water; WW = Waste Water; WP = Wipe

	PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: VOCs (EPA 8260)	1,4-Dioxane (EPA 8270-SIM)	Methane, Ethane, Ethene (EPA 8015B Mod)	TOC (SM 5310B)	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
04	013	MW-12	7/21/21	0930	GW	X	X	X	X		
05	014	MW-13	7/21/21	11:00		X	X	X	X		
06	015	MW-14	7/21/21	1623		X	X	X	X		
07	016	PZ-1	7/22/21	1300		X	X	X	X		
	018	PZ-2	7/22/21	0826		X	X	X	X		
	019	PZ-10	7/21/21	1145	↓	X	X	X	X	EXTRA VOLUME MS/MSD	
	020	EB-072221	7/22/21	1550	W	X					
	021	TB-072221	7/22/21	1555	W	X					

Profile #:

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Cody Holp	7/23/21 1500		
CS Logistics	7/24/21 0900	Arthur Kendall	7/24/21 0900

PACE Project No.: 40230583
Receipt Temp = 4.5 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 08/14/08

ORIGINAL

Sample Preservation Receipt Form

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

Client Name: Geosyntec Project # 40230583

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☒N/A Initial when completed: Date/ Time:

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

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN						
001				1		2											6															2.5 / 5 / 10
002				1		2											6															**2.5 / 5 / 10**
003				1		2											6															2.5 / 5 / 10
004				1		2											6															**2.5 / 5 / 10**
005				1		2											6															2.5 / 5 / 10
006				1		2											6															**2.5 / 5 / 10**
007				1		2											6															2.5 / 5 / 10
008				1		2											6															**2.5 / 5 / 10**
009				1		2											6															2.5 / 5 / 10
010				1		2											6															**2.5 / 5 / 10**
011				1		2											6															2.5 / 5 / 10
012				1		2											6															**2.5 / 5 / 10**
013				1		2											6															2.5 / 5 / 10
014				1		2											6															**2.5 / 5 / 10**
015				1		2											6															2.5 / 5 / 10
016				1		2											6															**2.5 / 5 / 10**
017				1		2											6															2.5 / 5 / 10
018				1		2											6															**2.5 / 5 / 10**
019				3		6											18															2.5 / 5 / 10
020																	3															**2.5 / 5 / 10**

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

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

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

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

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

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

Sample Preservation Receipt Form

Client Name: Geosyntec Project #: 40230583

	Glass								Plastic					Vials						Jars				General									
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																	2																2.5 / 5 / 10
																																	2.5 / 5 / 10
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Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40230583

40230583

Client Name: Geosyntec

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

Tracking #: —

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

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

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

Thermometer Used SR-107 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4.5 /Corr: 4.5 (cooler 1, cooler 2)

Temp Blank Present: ☒ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

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

Person examining contents:
Date: 7/24/21 /Initials: AJL
Labeled By Initials: MP

Chain of Custody Present:	☒Yes ☐No ☐N/A	1. CoC provided by PM 7/24/21 AJL
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☒Yes ☐No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☒Yes ☐No ☐N/A	12.
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 467		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum

Date:	September 14, 2021
To:	Jeremiah Johnson
From:	Jennifer Pinion
CC:	J. Caprio
Subject:	**Stage 2A Data Validation – Level II Data Deliverable – Pace Analytical Services Project Number: 40230583**

SITE: Milwaukee Die Casting Company Site, Milwaukee, WI

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of seventeen water samples including one sample for matrix spike/matrix spike duplicate (MS/MSD) analysis, two field duplicate samples, one trip blank and one equipment blank, collected on July 21 and 22, 2021, during a Milwaukee Die Casting Company Site sampling event. The analyses were performed by Pace Analytical Services, LLC, Green Bay, Wisconsin and Minneapolis, Minnesota. The samples were analyzed for the following tests:

- Volatile Organic Compounds (VOCs) by United States (US) Environmental Protection Agency (EPA) Method 8260
- 1,4-Dioxane by US EPA Methods 3510C/8270E Modified using Selective Ion Monitoring (SIM)
- Dissolved Gases (Methane, Ethane, Ethene) by US EPA Method 8015B Modified
- Total Organic Carbon (TOC) by Standard Methods (SM) 5310C

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced by the laboratory report, professional and technical judgment and the following documents:

- Additional Groundwater Investigation Work Plan and Groundwater Monitoring Plan, Milwaukee Die Casting Company Site, 4132 North Holton Street. Milwaukee, Wisconsin, June 15, 2021

- US EPA National Functional Guidelines for Organic Superfund Methods Data Review, November 2020 (USEPA- 540-R-20-005)

The following samples were analyzed in the data set and validated at a Stage 2A level:

Laboratory IDs	Client IDs
40230583001	MW-1
40230583002	MW-2
40230583003	MW-2 DUP
40230583004	MW-3
40230583005	MW-4
40230583006	MW-5
40230583007	MW-6
40230583008	MW-6 DUP
40230583009	MW-7
40230583010	MW-8
40230583011	MW-9
40230583012	MW-10

Laboratory IDs	Client IDs
40230583013	MW-11
40230583014	MW-12
40230583015	MW-13
40230583016	MW-14
40230583017	PZ-1
40230583018	PZ-2
40230583019	PZ-10
40230583019 MS	PZ-10 MS
40230583019 MSD	PZ-10 MSD
40230583020	EB-072221
40230583021	TB-072221

The samples were received at the laboratory at 4.0 and 0.5ºC within the temperature criteria of 0-6ºC. No sample preservation issues were noted by the laboratory.

The first sample received by signature, date and time were not recorded on the chain of custody (COC).

The COC indicates that the samples were to be analyzed for TOC per SM 5310B; however, the laboratory analyzed the samples by 5310C.

Incorrect error corrections executed by Pace were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

1.0 VOLATILE ORGANIC COMPOUNDS

The samples were analyzed for VOCs per US EPA Method 8260.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine the impact on data quality and usability.

✓ Overall Assessment

- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Trip Blank
- ✓ Equipment Blank
- ✓ Surrogates
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The VOC data reported in this laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for the sample set is 100%.

1.2 Holding Times

The holding time for the VOC analyses of preserved water samples is 14 days from collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported (batches 391287 and 391288). VOCs were not detected in the method blanks above the limits of detection (LODs).

1.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample PZ-10. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The MS recovery and RPD of chloromethane and the RPD of bromomethane in the MS/MSD pair using sample PZ-10 were high and outside the laboratory specified acceptance criteria. Since chloromethane and bromomethane were not detected in sample PZ-10, no qualifications were applied to the data.

One batch MS/MSD pair was also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Trip Blank

One trip blank was submitted with the sample set, TB-072221. VOCs were not detected in the trip blank greater than the LODs.

1.7 Equipment Blank

One equipment blank was collected with the sample set, EB-072221. VOCs were not detected in the equipment blank greater than the LODs.

1.8 Surrogates

The surrogate recoveries were within the laboratory specified acceptance criteria.

1.9 Field Duplicate

Two field duplicate samples, MW-2 DUP and MW-6 DUP were collected with the sample set. Acceptable precision (RPD ≤30%) was demonstrated between the field duplicates and the original samples, MW-2 and MW-6, respectively.

1.10 Sensitivity

The samples were reported to the LODs. Elevated non-detect results were reported due to the dilutions analyzed.

1.11 Electronic Data Deliverable (EDD) Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 1,4-DIOXANE

The samples were analyzed for 1,4-dioxane per US EPA Methods 3510C/8270E SIM.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine the impact on data quality and usability.

✓ Overall Assessment
✓ Holding Times
⊗ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
⊗ Surrogates
✓ Field Duplicate
✓ Sensitivity
✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The 1,4-dioxane data reported in this laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for the sample set is 100%.

2.2 Holding Times

The holding time for the 1,4-dioxane analyses of preserved water samples is 7 days from collection to extraction and 40 days from extraction to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported (batch 759189). 1,4-dioxane was detected at an estimated concentration greater than the LOD but less than the limit of quantitation (LOQ) in the method blank. Therefore, the estimated concentrations of 1,4-dioxane in the associated samples were U qualified as not detected at the reported sample concentration. In addition, the concentrations of 1,4-dioxane in samples MW-7 and MW-14 were J+ qualified as estimated with a high bias.

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier*	Reason Code**
MW-2	1,4-Dioxane (SIM)	0.095	JB	0.25	U	3

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier*	Reason Code**
MW-2 DUP	1,4-Dioxane (SIM)	0.096	JB	0.24	U	3
MW-3	1,4-Dioxane (SIM)	0.11	JB	0.25	U	3
MW-4	1,4-Dioxane (SIM)	0.12	JB	0.25	U	3
MW-5	1,4-Dioxane (SIM)	0.20	JB	0.25	U	3
MW-8	1,4-Dioxane (SIM)	0.14	JB	0.25	U	3
MW-9	1,4-Dioxane (SIM)	0.12	JB	0.25	U	3
MW-11	1,4-Dioxane (SIM)	0.11	JB	0.24	U	3
MW-12	1,4-Dioxane (SIM)	0.14	JB	0.25	U	3
MW-13	1,4-Dioxane (SIM)	0.093	JB	0.25	U	3
PZ-1	1,4-Dioxane (SIM)	0.092	JB	0.25	U	3
PZ-2	1,4-Dioxane (SIM)	0.19	JB	0.25	U	3
PZ-10	1,4-Dioxane (SIM)	0.16	JB	0.25	U	3
MW-7	1,4-Dioxane (SIM)	0.39	B	0.39	J+	3
MW-14	1,4-Dioxane (SIM)	0.35	B	0.35	J+	3

µg/L-microgram per liter
J-estimated concentration at or above the LOD and below the LOQ
B-laboratory flag indicating the analyte was detected in the associated method blank
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample PZ-10. The recovery and RPD results were within the laboratory specified acceptance criteria.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

2.6 Surrogates

The surrogate recoveries were within the laboratory specified acceptance criteria, with the following exceptions.

The surrogate recovery of 1,4-dioxane d8 in sample MW-1 was high and outside the laboratory specified acceptance criteria. The laboratory flagged the sample results with 1q to indicate that tetrachloroethylene was identified as eluting at the same time as the internal standard and surrogates for this sample, resulting in a low bias. The sample was re-extracted, and the results confirmed. Therefore, based on professional and technical judgement, the non-detect 1,4-dioxane result in sample MW-1 was UJ qualified as estimated less than the LOD.

Sample ID	Compound	Laboratory Result (µg/L)	Laboratory Flag	Validation Result (µg/L)	Validation Qualifier*	Reason Code**
MW-1	1,4-Dioxane (SIM)	0.082	U1q	0.082	UJ	6, 11

µg/L-microgram per liter
U-not detected at or above the LOD
1q-laboratory flag indicating that tetrachloroethylene was identified as eluting at the same time as 1,4-dioxane resulting in high surrogate recoveries and sample results that are biased low

2.7 Field Duplicate

Two field duplicate samples, MW-2 DUP and MW-6 DUP were collected with the sample set. Acceptable precision (RPD ≤30%) was demonstrated between the field duplicates and the original samples, MW-2 and MW-6, respectively.

2.8 Sensitivity

The samples were reported to the LODs. Elevated non-detect results were not reported.

2.9 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 DISSOLVED GASES

The samples were analyzed for dissolved gases (methane, ethane and ethene) per US EPA Method 8015B Modified.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine the impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

3.1 Overall Assessment

The dissolved gas data reported in this laboratory report are considered usable for supporting project objectives. The results are considered valid; the analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for the sample set is 100%.

3.2 Holding Times and Preservation

The holding time for the dissolved gas analyses of a preserved water sample is 14 days from collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two method blanks were reported (batches 391936 and 391937). Dissolved gases were not detected in the method blanks above the LODs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported, using sample PZ-10. The recovery and RPD results were within the laboratory specified acceptance criteria.

One batch MS/MSD pair was also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two LCS/LCS duplicate (LCSD) pairs were reported. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Field Duplicate

Two field duplicate samples, MW-2 DUP and MW-6 DUP were collected with the sample set. Acceptable precision (RPD ≤30%) was demonstrated between the field duplicates and the original samples, MW-2 and MW-6, respectively.

3.7 Sensitivity

The samples were reported to the LODs. Elevated non-detect results were not reported.

3.8 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

4.0 TOTAL ORGANIC CARBON

The samples were analyzed for TOC by US EPA method 9060.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable or not applicable. A preceding crossed circle (⊗) signifies areas where issues were raised over the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

4.1 Overall Assessment

The TOC data reported in this laboratory report are considered usable for supporting project objectives. The analytical completeness, defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for the sample set is 100%.

4.2 Holding Times

The holding time for the TOC analysis of a preserved water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

4.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported (batch 391549). TOC was detected at an estimated concentration greater than the LOD and less than the LOQ in the method blank. Since TOC was detected at concentrations greater than the LOQ in the associated samples, no qualifications were applied to the data.

4.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pairs were reported, using samples MW-1 and PZ-10. The recovery and RPD results were within the laboratory specified acceptance criteria.

4.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

4.6 Field Duplicate

Two field duplicate samples, MW-2 DUP and MW-6 DUP were collected with the sample set. Acceptable precision (RPD<30%) was demonstrated between the field duplicates and the original samples, MW-2 and MW-6, respectively.

4.7 Sensitivity

The samples were reported to the LODs. Elevated non-detect results were not reported.

4.8 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to "not detected at or above the reported result".

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.

J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

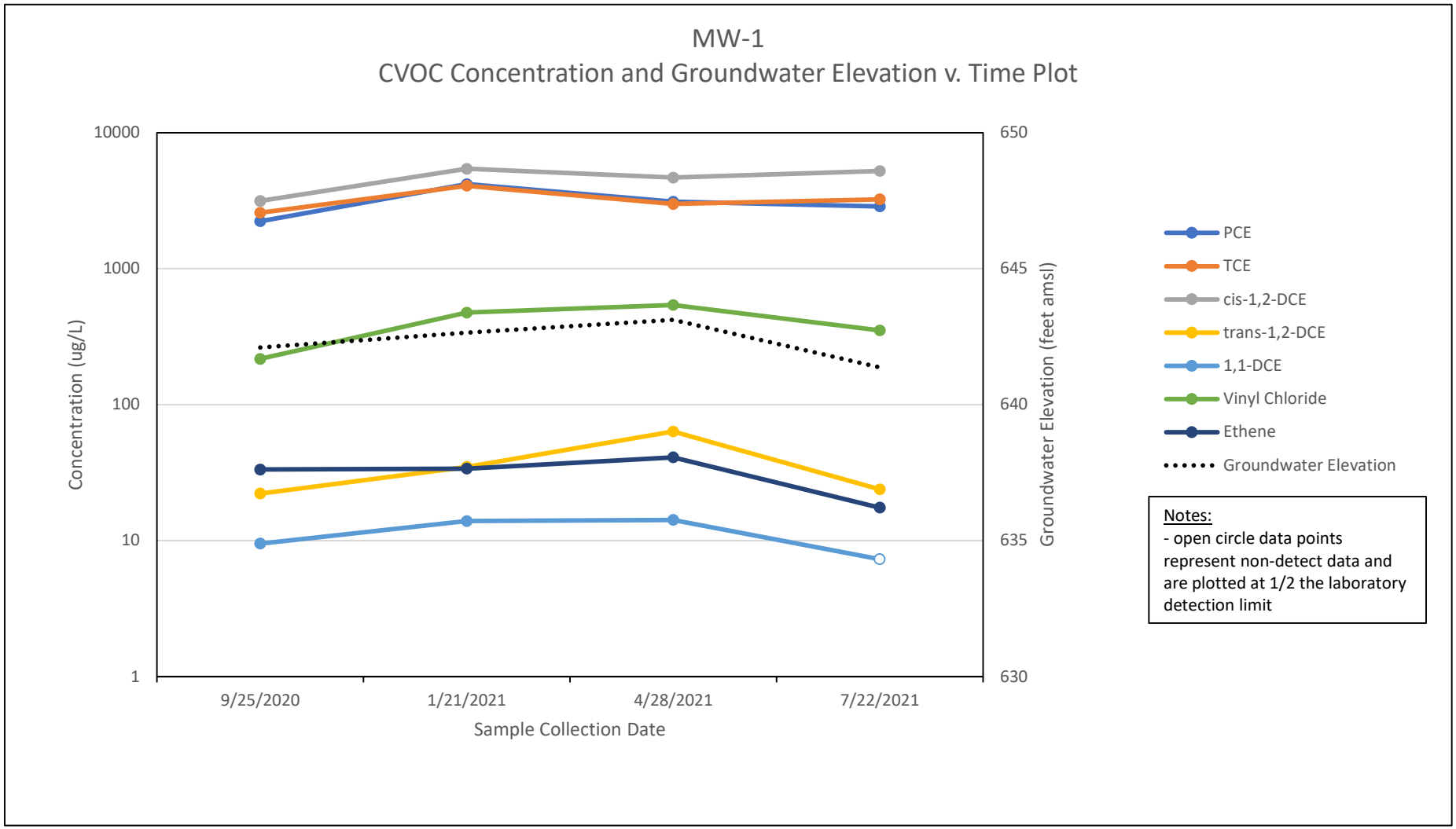
Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS or RPD recovery outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed or modified: no validation qualification required

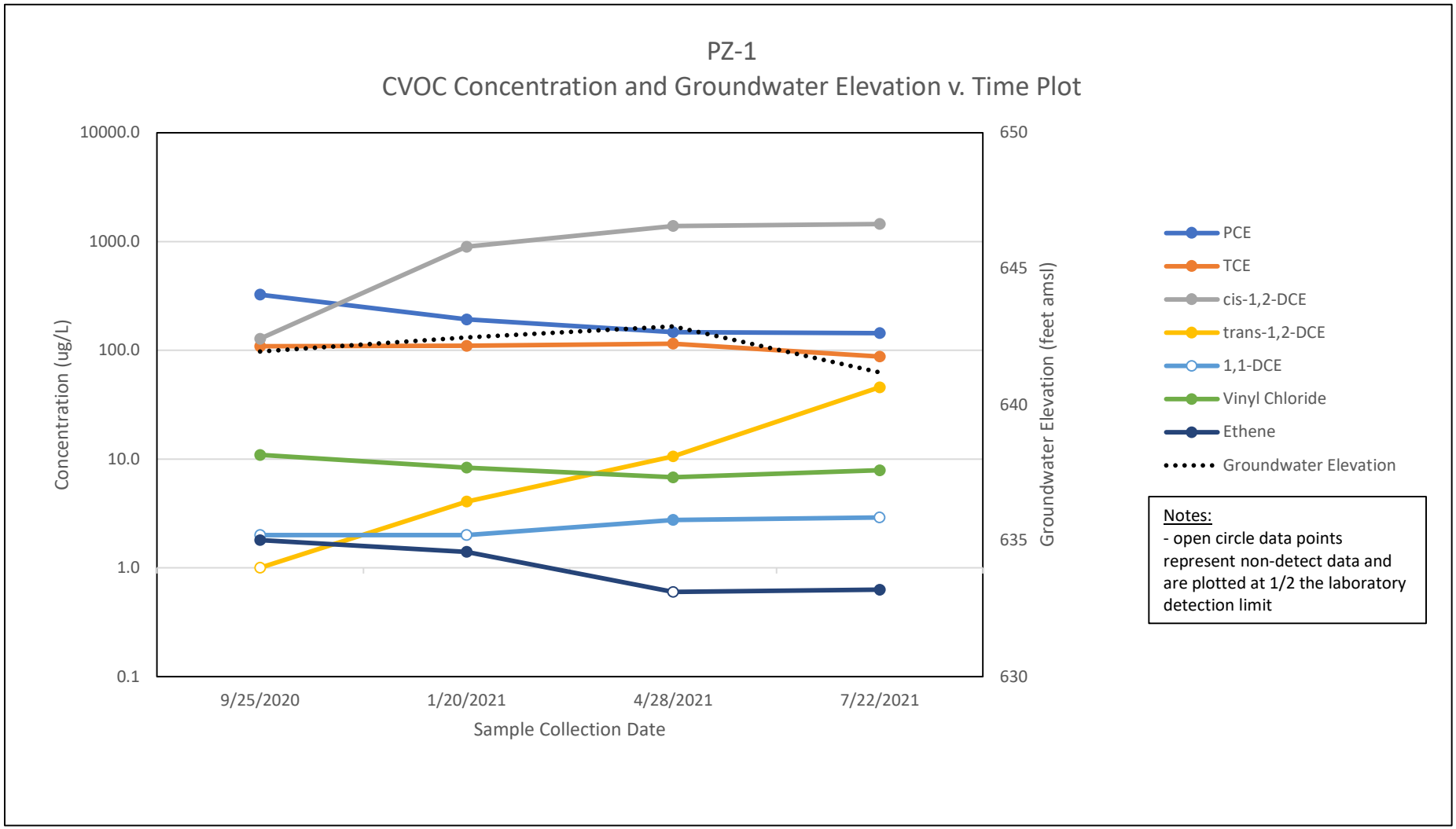
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample duplicate
RPD - Relative percent difference

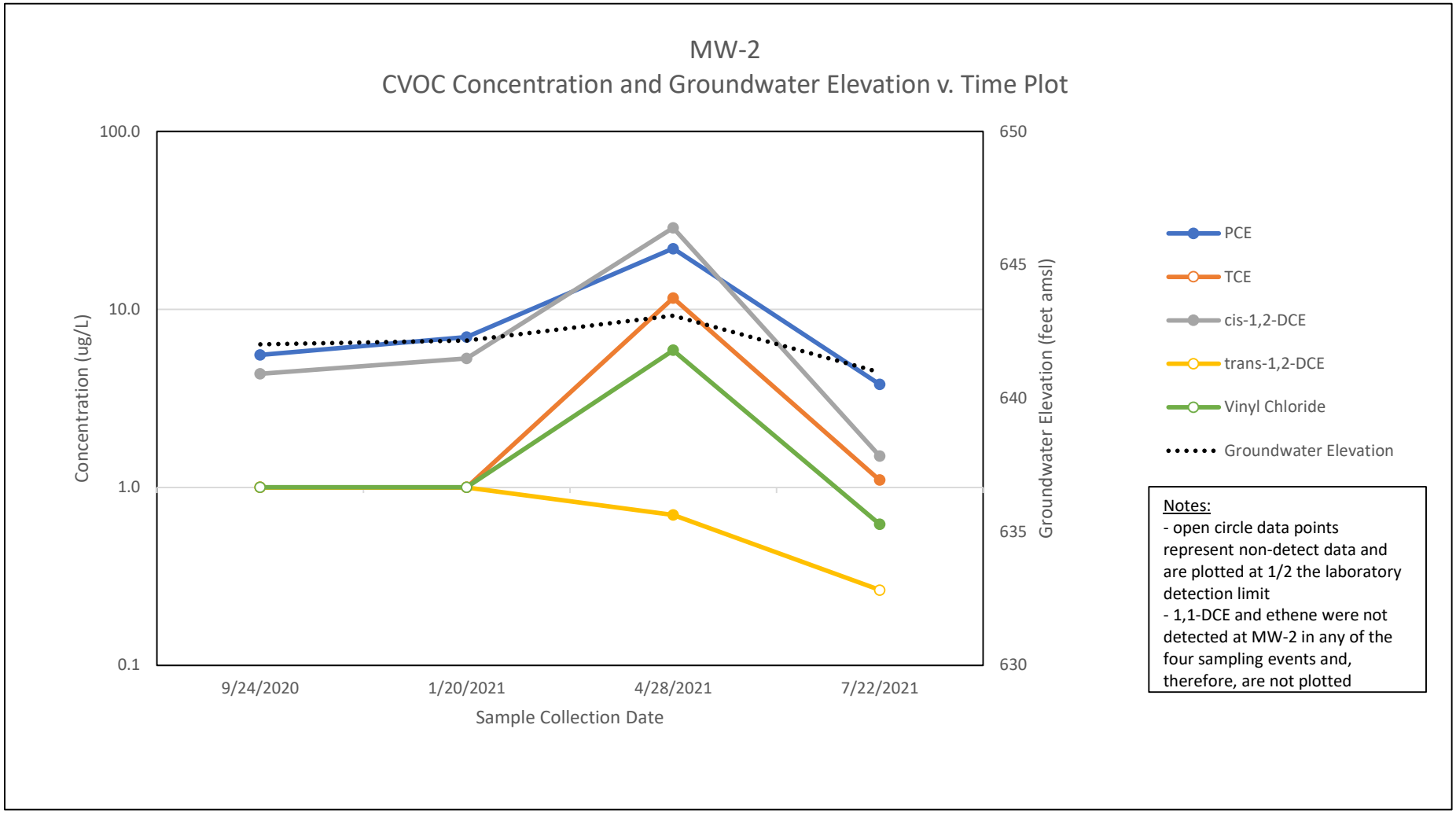
ATTACHMENT 5

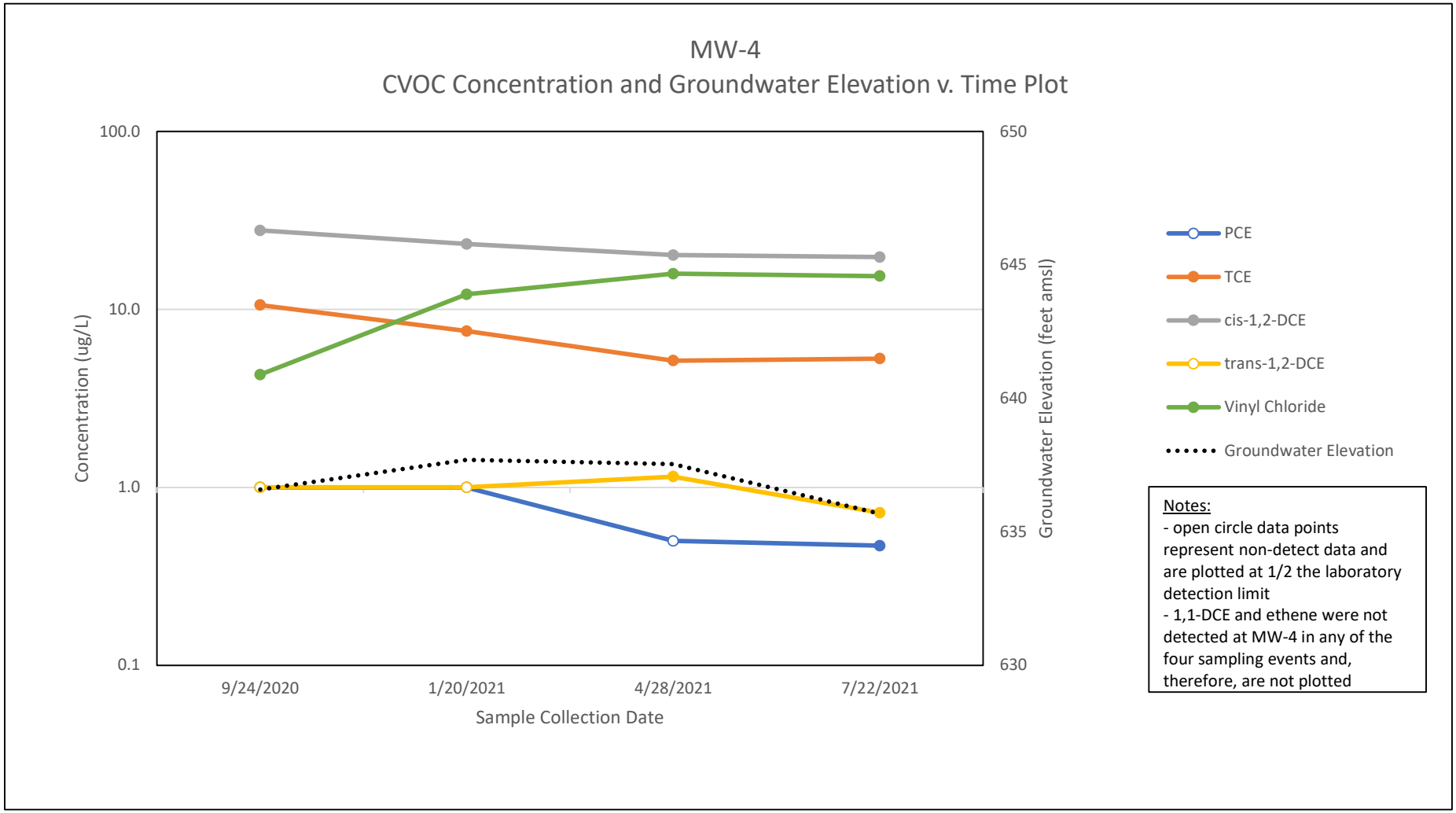
Data Trend Plots

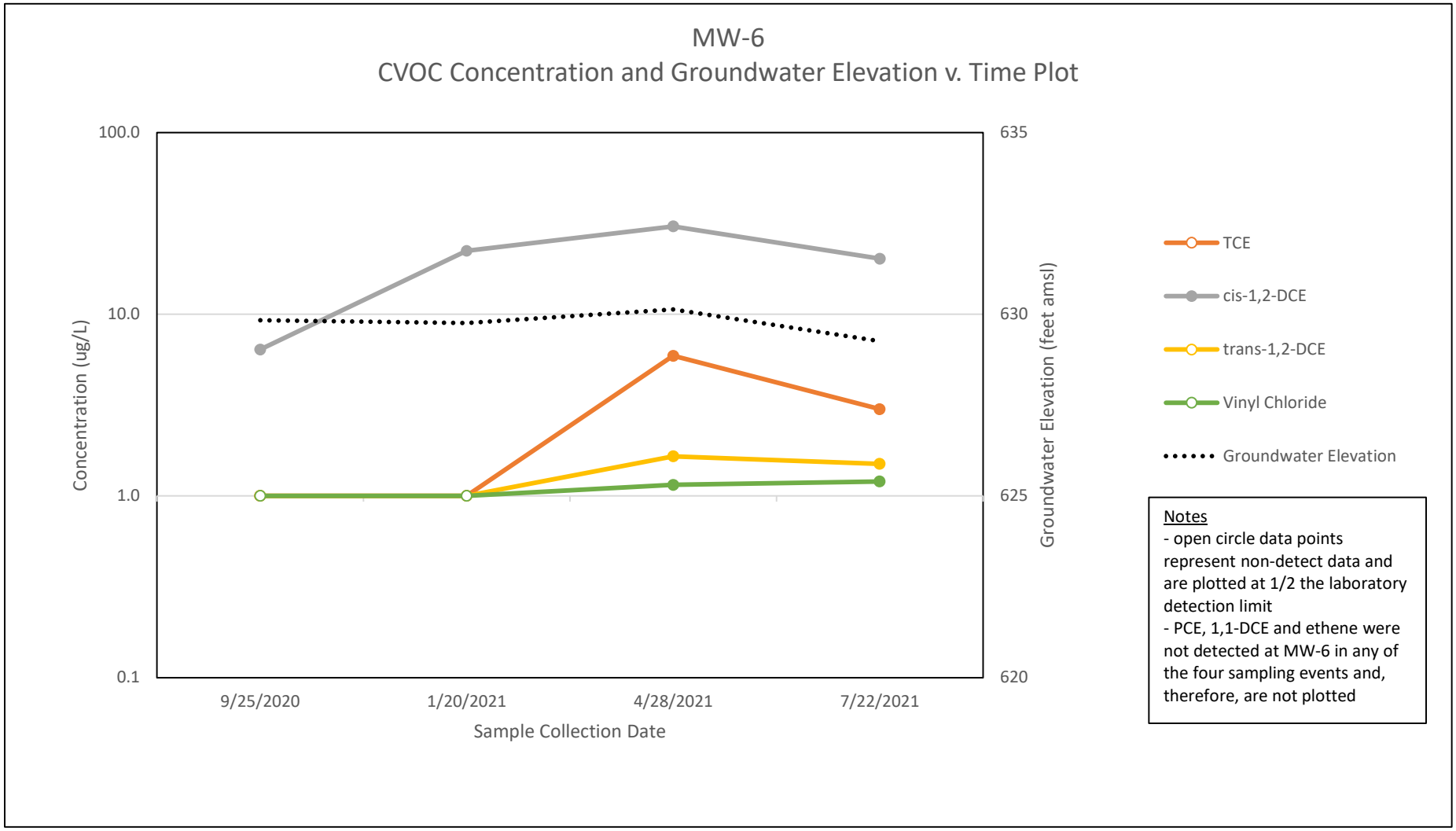
Groundwater Monitoring Progress Report
Milwaukee Die Casting Company Site
4132 North Holton Street
Milwaukee, Wisconsin
WDNR BRRTS # 02-41-000023
WDNR FID # 241228240

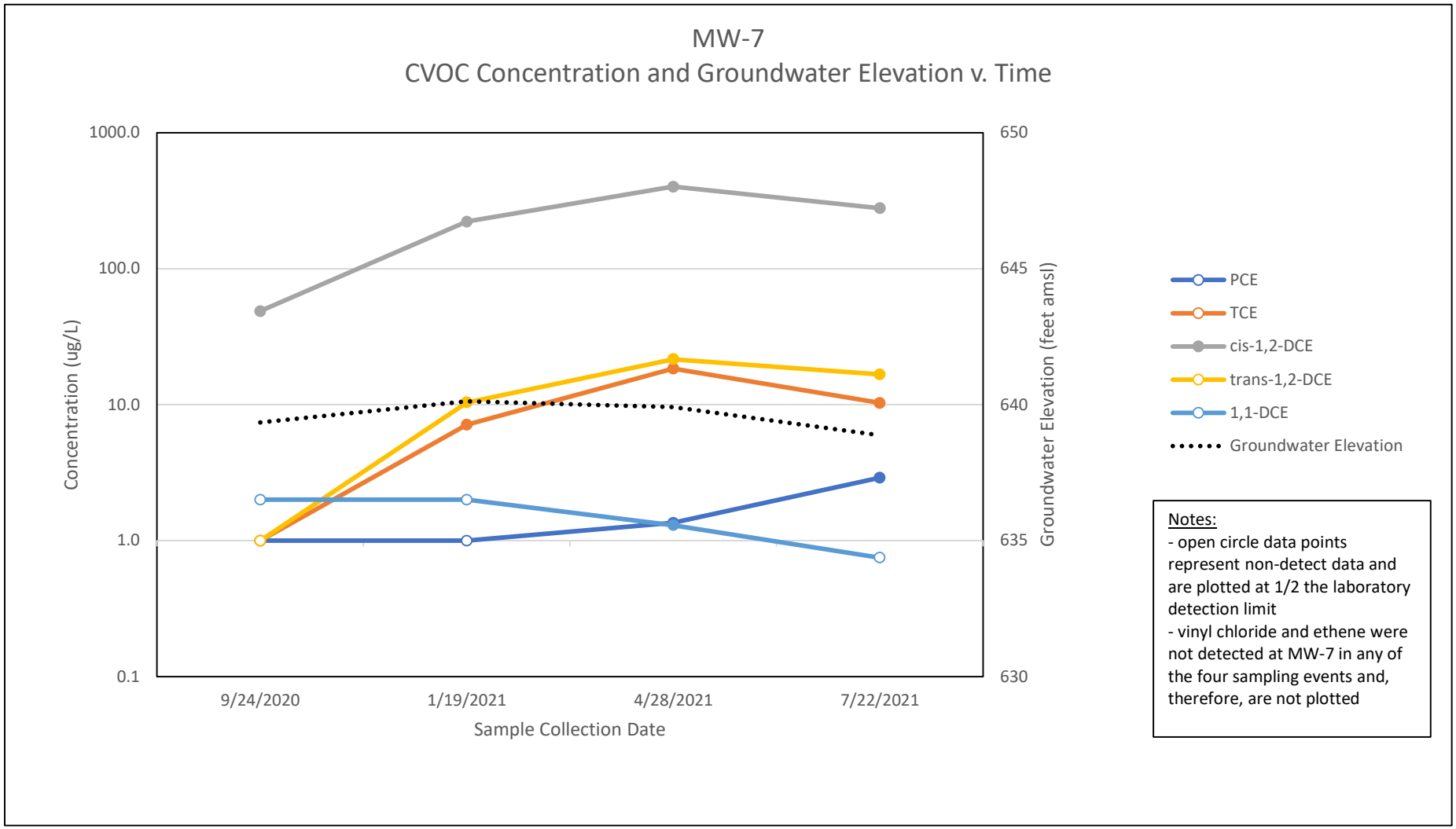

MW-1
CVOC Concentration and Groundwater Elevation v. Time Plot
Concentration (ug/L)
10000
1000
100
10
1
650
645
640
635
630
Groundwater Elevation (feet amsl)
9/25/2020
1/21/2021
4/28/2021
7/22/2021
Sample Collection Date
PCE
TCE
cis-1,2-DCE
trans-1,2-DCE
1,1-DCE
Vinyl Chloride
Ethene
Groundwater Elevation
Notes:
- open circle data points represent non-detect data and are plotted at 1/2 the laboratory detection limit

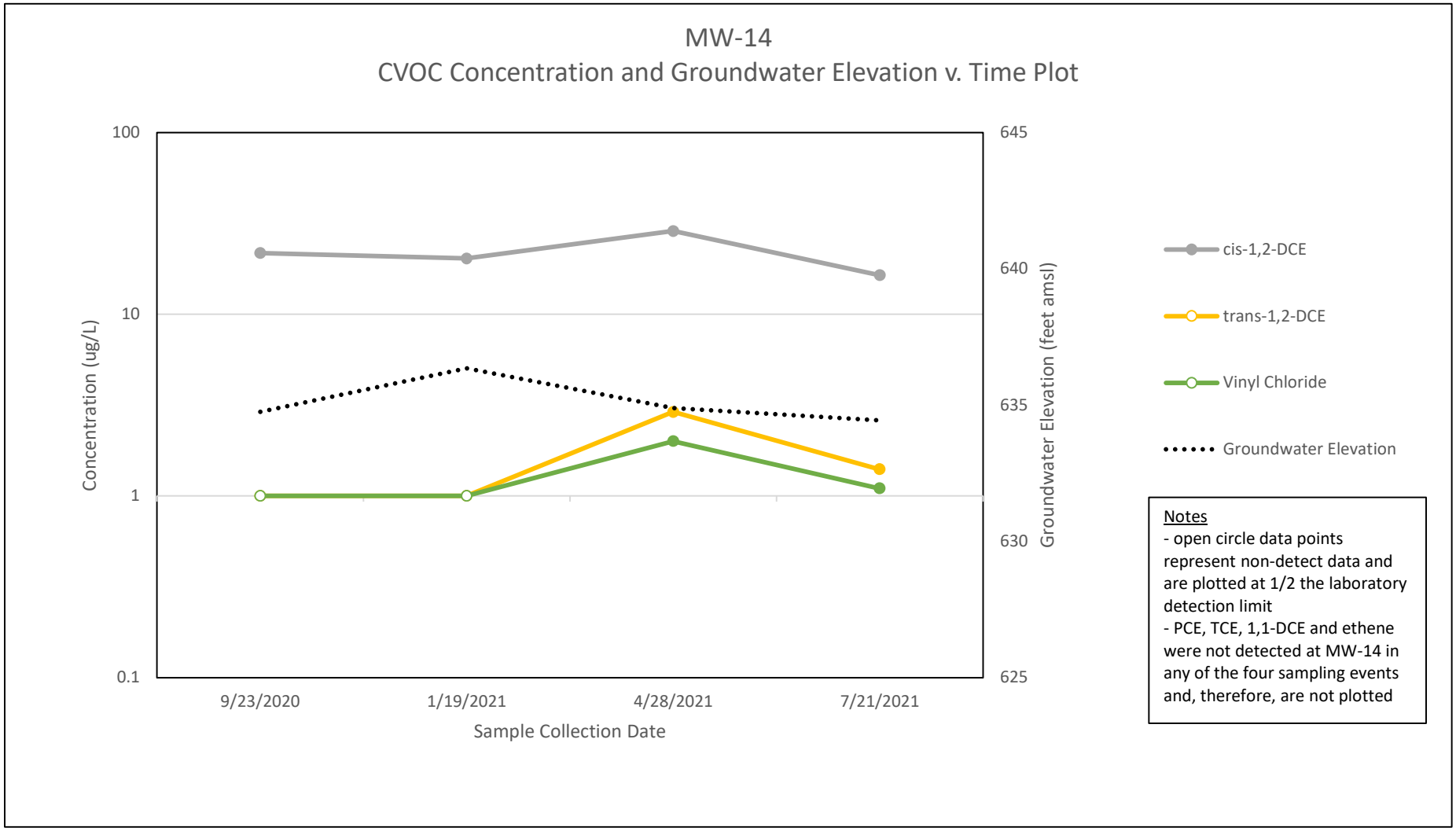

PZ-1
CVOC Concentration and Groundwater Elevation v. Time Plot
Concentration (ug/L)
10000.0
1000.0
100.0
10.0
1.0
0.1
Groundwater Elevation (feet amsl)
650
645
640
635
630
9/25/2020
1/20/2021
4/28/2021
7/22/2021
Sample Collection Date
PCE
TCE
cis-1,2-DCE
trans-1,2-DCE
1,1-DCE
Vinyl Chloride
Ethene
Groundwater Elevation
Notes:
- open circle data points represent non-detect data and are plotted at 1/2 the laboratory detection limit

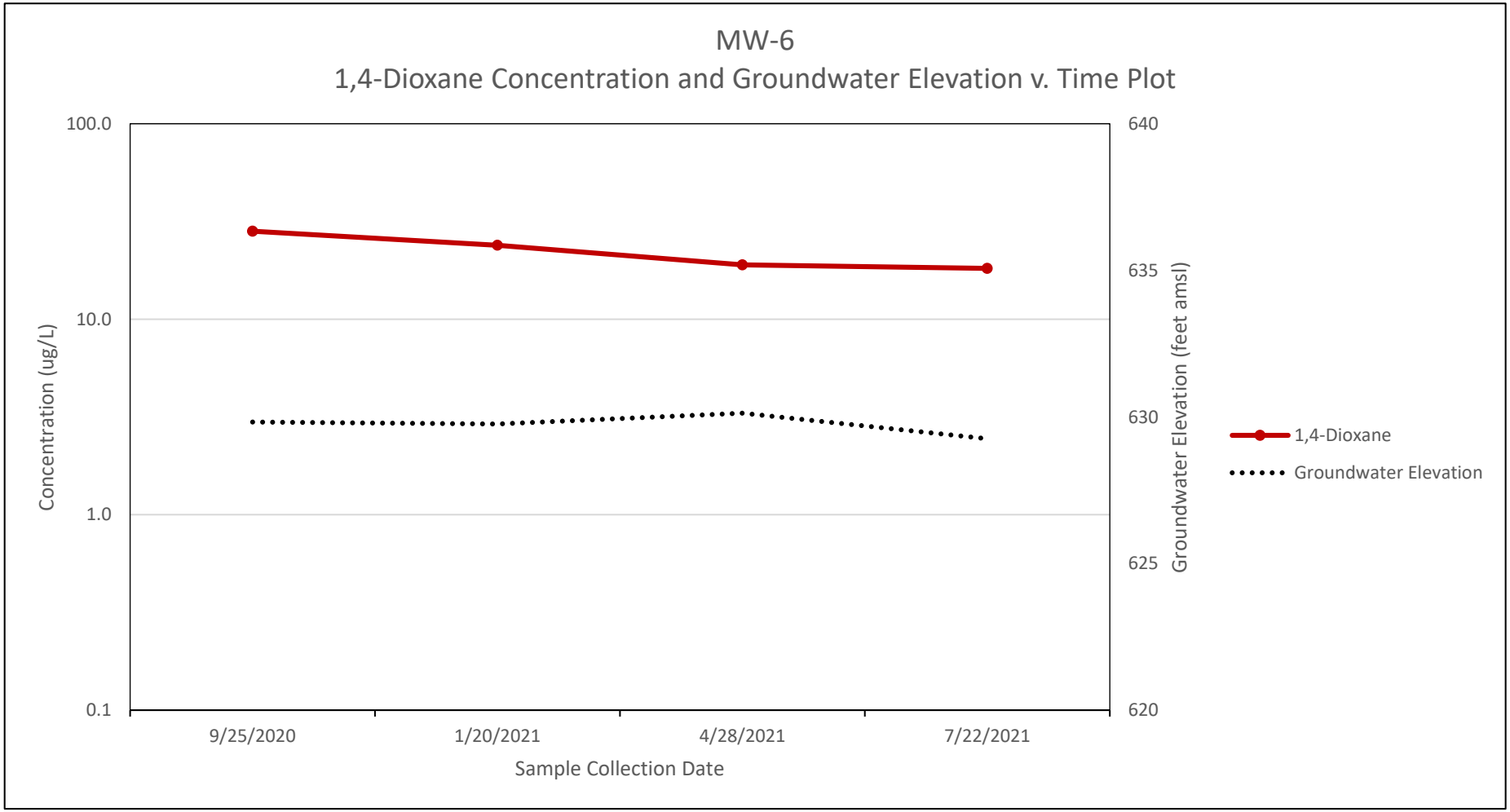

MW-2
CVOC Concentration and Groundwater Elevation v. Time Plot
100.0
10.0
1.0
0.1
Concentration (ug/L)
650
645
640
635
630
Groundwater Elevation (feet amsl)
9/24/2020
1/20/2021
4/28/2021
7/22/2021
Sample Collection Date
PCE
TCE
cis-1,2-DCE
trans-1,2-DCE
Vinyl Chloride
Groundwater Elevation
Notes:
- open circle data points represent non-detect data and are plotted at 1/2 the laboratory detection limit
- 1,1-DCE and ethene were not detected at MW-2 in any of the four sampling events and, therefore, are not plotted

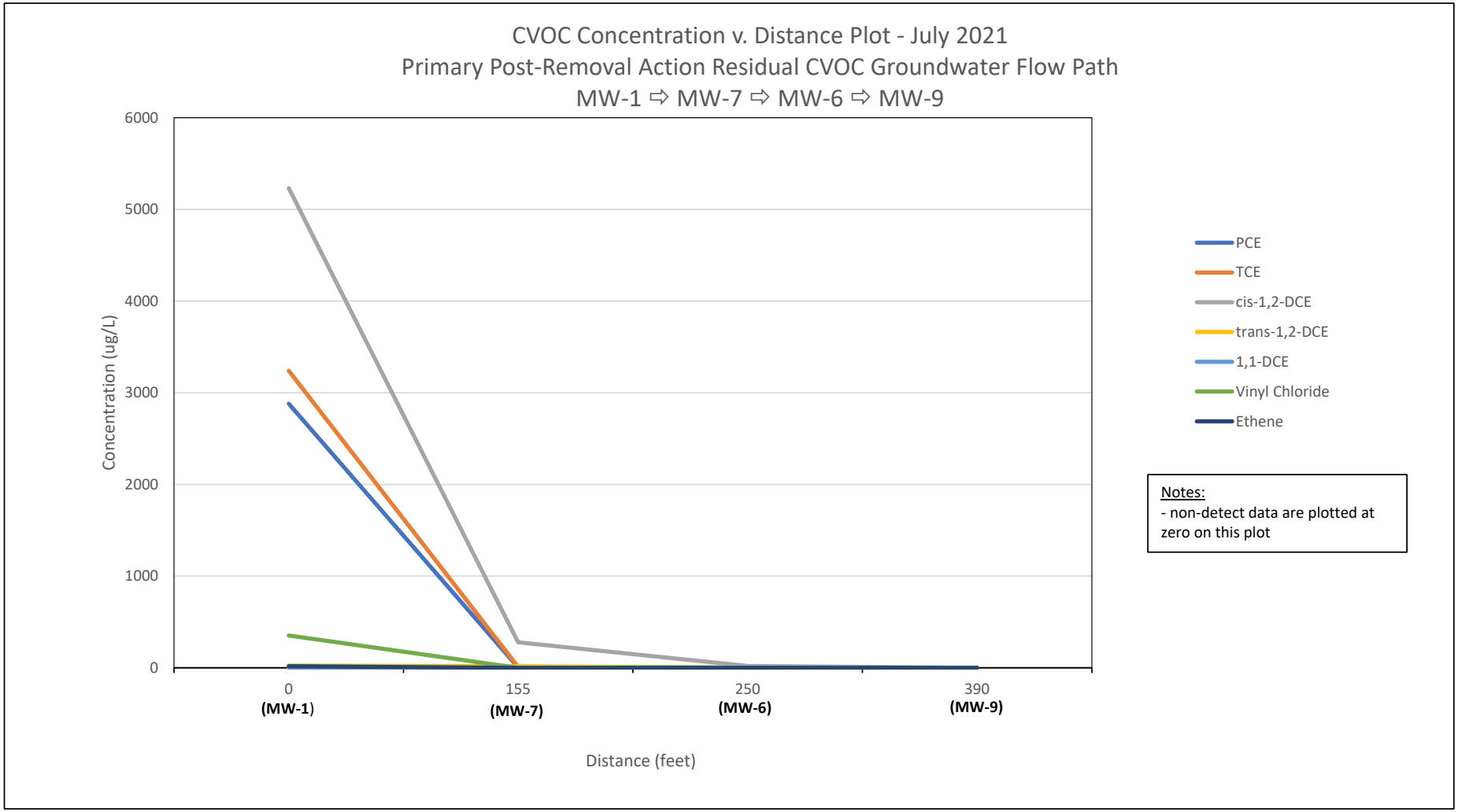

MW-4
CVOC Concentration and Groundwater Elevation v. Time Plot
100.0
10.0
1.0
0.1
Concentration (ug/L)
650
645
640
635
630
Groundwater Elevation (feet amsl)
9/24/2020
1/20/2021
4/28/2021
7/22/2021
Sample Collection Date
PCE
TCE
cis-1,2-DCE
trans-1,2-DCE
Vinyl Chloride
Groundwater Elevation
Notes:
- open circle data points represent non-detect data and are plotted at 1/2 the laboratory detection limit
- 1,1-DCE and ethene were not detected at MW-4 in any of the four sampling events and, therefore, are not plotted


MW-6
CVOC Concentration and Groundwater Elevation v. Time Plot
100.0
10.0
1.0
0.1
Concentration (ug/L)
635
630
625
620
Groundwater Elevation (feet amsl)
9/25/2020
1/20/2021
4/28/2021
7/22/2021
Sample Collection Date
TCE
cis-1,2-DCE
trans-1,2-DCE
Vinyl Chloride
Groundwater Elevation
Notes
- open circle data points represent non-detect data and are plotted at 1/2 the laboratory detection limit
- PCE, 1,1-DCE and ethene were not detected at MW-6 in any of the four sampling events and, therefore, are not plotted


MW-7
CVOC Concentration and Groundwater Elevation v. Time
1000.0
100.0
10.0
1.0
0.1
Concentration (ug/L)
650
645
640
635
630
Groundwater Elevation (feet amsl)
9/24/2020
1/19/2021
4/28/2021
7/22/2021
Sample Collection Date
PCE
TCE
cis-1,2-DCE
trans-1,2-DCE
1,1-DCE
Groundwater Elevation
Notes:
- open circle data points represent non-detect data and are plotted at 1/2 the laboratory detection limit
- vinyl chloride and ethene were not detected at MW-7 in any of the four sampling events and, therefore, are not plotted


MW-14
CVOC Concentration and Groundwater Elevation v. Time Plot
100
10
1
0.1
Concentration (ug/L)
645
640
635
630
625
Groundwater Elevation (feet amsl)
9/23/2020
1/19/2021
4/28/2021
7/21/2021
Sample Collection Date
cis-1,2-DCE
trans-1,2-DCE
Vinyl Chloride
Groundwater Elevation
Notes
- open circle data points represent non-detect data and are plotted at 1/2 the laboratory detection limit
- PCE, TCE, 1,1-DCE and ethene were not detected at MW-14 in any of the four sampling events and, therefore, are not plotted


MW-6
1,4-Dioxane Concentration and Groundwater Elevation v. Time Plot
100.0
10.0
1.0
0.1
Concentration (ug/L)
640
635
630
625
620
Groundwater Elevation (feet amsl)
9/25/2020
1/20/2021
4/28/2021
7/22/2021
Sample Collection Date
1,4-Dioxane
Groundwater Elevation


CVOC Concentration v. Distance Plot - July 2021
Primary Post-Removal Action Residual CVOC Groundwater Flow Path
MW-1 ⇨ MW-7 ⇨ MW-6 ⇨ MW-9
Concentration (ug/L)
6000
5000
4000
3000
2000
1000
0
0
(MW-1)
155
(MW-7)
250
(MW-6)
390
(MW-9)
Distance (feet)
PCE
TCE
cis-1,2-DCE
trans-1,2-DCE
1,1-DCE
Vinyl Chloride
Ethene
Notes:
- non-detect data are plotted at zero on this plot