



**Water and Waste  
Eaux et déchets**

Kale Black, Sr. Drinking Water Officer  
Office of Drinking Water, Manitoba Conservation and Climate  
309 – 25 Tupper Street North  
Portage La Prairie, MB R1N 3K1

**June 22, 2023**

**RE: 2023-Q1 AND Q2 CITY OF WINNIPEG TOTAL TRIHALOMETHANES AND TOTAL HALOACETIC ACIDS SUMMARY REPORTS**

Please find attached the 2023-Q1 and 2023-Q2 Total Trihalomethanes and Total Haloacetic Acids Summary Reports for the City of Winnipeg water supply system.

Please let me know of any concerns or questions respecting this submission. I can be reached by telephone at 204-986-8359 or by e-mail at [rgrosselle@winnipeg.ca](mailto:rgrosselle@winnipeg.ca).

Yours sincerely,

A handwritten signature in black ink that reads "R. Grosselle".

R. Grosselle  
Manager of Environmental Standards

Enclosures

cc: Dr. L. Richards, Winnipeg Regional Health Authority (email)  
Dr. H. Chang, Winnipeg Regional Health Authority (email)  
Dr. T. Hilderman, Manitoba Health, Seniors and Active Living (email)  
T. Shanks, M. Eng., P. Eng. (email)  
M. Szmon, P. Eng. (email)  
L. McCusker, P. Eng. (email)  
C. Diduck (email)



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## Environmental Standards Division

### Total Trihalomethanes Summary Report

Reporting Period: Quarter 1 2023

License: PWS-09-412-02

SAMPLE DATE	DISTRIBUTION SYSTEM THM RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, May 2, 2022	37.6	29.5	34.8	34.4	27.9	29.8
Monday, August 8, 2022	68.5	68.9	69.0	65.3	64.4	66.0
Monday, November 7, 2022	52.9	51.6	48.9	51.0	52.5	53.0
Monday, February 6, 2023	52.7	48.6	49.7	49.1	49.0	50.4
<b>RUNNING AVERAGE THM</b>	<b>52.9</b>	<b>49.7</b>	<b>50.6</b>	<b>50.0</b>	<b>48.5</b>	<b>49.8</b>

#### COMMENTS:

#### Methodology

Modified from EPA Method 5021A, "Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis", Revision 2, July 2014 and EPA Method 8260B, "Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)", Revision 3, August 2006.

Report Date: June 21, 2023



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## Environmental Standards Division

### Total Haloacetic Acids Summary Report

Reporting Period: Quarter 1 2023

License: PWS-09-412-02

SAMPLE DATE	DISTRIBUTION SYSTEM HAA RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, May 2, 2022	31.9	28.7	31.6	30.6	25.1	28.4
Tuesday, August 2, 2022	36.6	47.4	40.0	43.7	51.0	46.4
Monday, November 14, 2022	36.9	35.6	37.9	33.6	37.1	38.5
Monday, February 13, 2023	30.5	30.5	31.9	29.2	28.8	34.8
<b>RUNNING AVERAGE HAA</b>	<b>34.0</b>	<b>35.6</b>	<b>35.4</b>	<b>34.3</b>	<b>35.5</b>	<b>37.0</b>

#### COMMENTS:

#### Methodology

Modified from EPA Method 552.3, "Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Micro extraction, Derivatization, and Gas Chromatography with Electron Capture Detection".

Report Date: June 21, 2023



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## Environmental Standards Division

### Total Trihalomethanes Summary Report

Reporting Period: Quarter 2 2023

License: PWS-09-412-02

SAMPLE DATE	DISTRIBUTION SYSTEM THM RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, August 8, 2022	68.5	68.9	69.0	65.3	64.4	66.0
Monday, November 7, 2022	52.9	51.6	48.9	51.0	52.5	53.0
Monday, February 6, 2023	52.7	48.6	49.7	49.1	49.0	50.4
Monday, May 1, 2023	45.5	47.0	41.3	46.0	43.2	47.8
<b>RUNNING AVERAGE THM</b>	<b>54.9</b>	<b>54.0</b>	<b>52.2</b>	<b>52.9</b>	<b>52.3</b>	<b>54.3</b>

#### COMMENTS:

#### Methodology

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Report Date: June 21, 2023



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## Environmental Standards Division

### Total Haloacetic Acids Summary Report

Reporting Period: Quarter 2 2023

License: PWS-09-412-02

SAMPLE DATE	DISTRIBUTION SYSTEM HAA RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Tuesday, August 2, 2022	36.6	47.4	40.0	43.7	51.0	46.4
Monday, November 14, 2022	36.9	35.6	37.9	33.6	37.1	38.5
Monday, February 13, 2023	30.5	30.5	31.9	29.2	28.8	34.8
Monday, May 1, 2023	42.5	41.3	37.3	39.6	41.9	42.5
<b>RUNNING AVERAGE HAA</b>	<b>36.6</b>	<b>38.7</b>	<b>36.8</b>	<b>36.5</b>	<b>39.7</b>	<b>40.6</b>

#### COMMENTS:

#### Methodology

Modified from EPA Method 552.3, "Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Micro extraction, Derivatization, and Gas Chromatography with Electron Capture Detection".

Report Date: June 21, 2023