



**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  
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**December 15, 2020**

**RE: 2020-Q4 CITY OF WINNIPEG TOTAL TRIHALOMETHANES AND TOTAL HALOACETIC ACIDS SUMMARY REPORTS**

Please find attached the 2020-Q4 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 may be reached by telephone at 204-986-8359 or by e-mail at [rgrosselle@winnipeg.ca](mailto:rgrosselle@winnipeg.ca).

Yours sincerely,

*Original signed by R. Grosselle:  
(Signed original available upon request)*

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. S. Roberecki, Manitoba Health, Seniors and Active Living (email)  
M. L. Geer, CPA, CA (e-mail)  
G. Patton, P.Eng. (e-mail)  
T. Shanks, P.Eng. (e-mail)  
B. Bradford (e-mail)



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## Environmental Standards Division

### Total Trihalomethanes Summary Report

Reporting Period: Quarter 4 2020

License: PWS-09-412-01

SAMPLE DATE	DISTRIBUTION SYSTEM THM RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, February 10, 2020	35.1	34.8	31.3	35.3	31.4	35.3
Monday, May 11, 2020	38.1	45.2	40.9	36.9	35.7	39.5
Monday, August 10, 2020	78.9	60.9	59.3	61.7	60.3	63.2
Monday, November 16, 2020	26.8	29.9	29.8	28.6	29.4	33.8
<b>RUNNING AVERAGE THM</b>	<b>44.7</b>	<b>42.7</b>	<b>40.3</b>	<b>40.6</b>	<b>39.2</b>	<b>43.0</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.

Compiled by: H.Demchenko

Approved by: B.Bradford

Report Date: December 15, 2020



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**Total Haloacetic Acids Summary Report**

Reporting Period: Quarter 4 2020

License: PWS-09-412-01

SAMPLE DATE	DISTRIBUTION SYSTEM HAA RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, February 10, 2020	35.4	34.9	35.2	35.0	34.1	41.2
Monday, May 11, 2020	24.8	28.6	29.4	27.2	25.8	26.5
Monday, August 10, 2020	24.3	31.0	19.7	19.2	30.7	26.3
Monday, November 16, 2020	21.5	21.2	22.2	20.3	21.3	23.5
<b>RUNNING AVERAGE HAA</b>	<b>26.5</b>	<b>28.9</b>	<b>26.6</b>	<b>25.4</b>	<b>28.0</b>	<b>29.4</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".

Compiled by: H.Demchenko

Approved by: B.Bradford

Report Date: December 15, 2020