



**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

January 21, 2022

RE: 2021-Q4 CITY OF WINNIPEG TOTAL TRIHALOMETHANES AND TOTAL HALOACETIC ACIDS SUMMARY REPORTS

Please find attached the 2021-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.

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)
C. Wiebe, P. Eng., CAMP (e-mail)
T. Shanks, M. Eng., P. Eng. (e-mail)
C. Diduck (e-mail)



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Trihalomethanes Summary Report

Reporting Period: Quarter 4 2021

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, February 22, 2021	41.1	40.8	36.6	40.5	38.4	40.4
Monday, May 10, 2021	41.8	37.5	31.0	34.1	36.0	35.7
Monday, August 16, 2021	66.6	63.0	64.5	63.1	59.1	61.1
Monday, November 8, 2021	41.5	39.2	40.0	41.3	39.4	40.8
RUNNING AVERAGE THM	47.8	36.3	43.0	44.8	43.2	44.5

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: C. Diduck

Compiled Date: November 25, 2021



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Haloacetic Acids Summary Report

Reporting Period: Quarter 4 2021

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, February 8, 2021	20.5	23.1	25.7	22.7	21.8	24.1
Monday, May 10, 2021	28.0	25.6	28.7	27.2	16.5	26.6
Monday, August 16, 2021	28.6	33.9	30.4	34.2	32.4	36.0
Monday, November 29, 2021	22.1	35.8	22.5	20.0	19.7	21.5
RUNNING AVERAGE HAA	24.8	29.6	26.8	26.0	22.6	27.1

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: C. Diduck

Compiled Date: December 9, 2021