



**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

December 23, 2022

RE: 2022-Q4 CITY OF WINNIPEG TOTAL TRIHALOMETHANES AND TOTAL HALOACETIC ACIDS SUMMARY REPORTS

Please find attached the 2022-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 can be reached by telephone at 204-986-8359 or by e-mail at 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. (e-mail)
M. Szmon, P. Eng. (e-mail)
C. Diduck (e-mail)



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Environmental Standards Division

Total Trihalomethanes Summary Report

Reporting Period: Quarter 4 2022

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 14, 2022	44.9	42.7	42.7	42.4	37.2	42.0
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
RUNNING AVERAGE THM	51.0	48.2	48.9	48.3	45.5	47.7

COMMENTS:

February 14, 2022 samples analyzed past hold time.
SE-07 was sampled on August 9, 2022

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: December 22, 2022



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Total Haloacetic Acids Summary Report

Reporting Period: Quarter 4 2022

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 14, 2022	27.3	25.0	27.5	25.5	24.3	27.4
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
RUNNING AVERAGE HAA	33.2	34.2	34.3	33.4	34.4	35.2

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: December 22, 2022