



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

March 25, 2024

RE: 2023-Q4 CITY OF WINNIPEG TOTAL TRIHALOMETHANES AND TOTAL HALOACETIC ACIDS SUMMARY REPORTS

Please find attached the 2023-Q4 Total Trihalomethanes and Total Haloacetic Acids Summary Reports for the City of Winnipeg water supply system.

Please note that there were no results for the November 14, 2023 Total Haloacetic Acids samples due to a lab error; the October 30, 2023 results were used to calculate the quarterly running average.

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,

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)
H. Buhler, P. Eng. (email)
C. Diduck (email)



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Total Trihalomethanes Summary Report

Reporting Period: Quarter 4 2023

License: PWS-09-412-02 A

SAMPLE DATE	DISTRIBUTION SYSTEM THM RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
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
Monday, August 14, 2023	54.0	58.5	49.0	56.4	55.4	57.3
Tuesday, November 14, 2023	37.7	35.8	35.5	30.9	48.2	39.1
RUNNING AVERAGE THM	47.5	47.5	43.9	45.6	49.0	48.7

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: March 22, 2024



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Total Haloacetic Acids Summary Report

Reporting Period: Quarter 4 2023

License: PWS-09-412-02 A

SAMPLE DATE	DISTRIBUTION SYSTEM HAA RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
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
Monday, August 14, 2023	32.5	44.2	27.0	31.3	43.4	43.7
Monday, October 30, 2023	35.2	36.8	34.4	34.8	37.9	39.1
Tuesday, November 14, 2023	nr	nr	nr	nr	nr	nr
RUNNING AVERAGE HAA	35.2	38.2	32.7	33.7	38.0	40.0

COMMENTS:

November 14, 2023 no results due to lab error; October 30, 2023 results were used to calculate the running average

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: March 22, 2024