



**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

September 22, 2021

RE: 2021-Q3 CITY OF WINNIPEG TOTAL TRIHALOMETHANES AND TOTAL HALOACETIC ACIDS SUMMARY REPORTS

Please find attached the 2021-Q3 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)



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Environmental Standards Division

Total Trihalomethanes Summary Report

Reporting Period: Quarter 3 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, November 16, 2020 | 26.8 | 29.9 | 29.8 | 28.6 | 29.4 | 33.8 |
| 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 |
| RUNNING AVERAGE THM | 44.1 | 42.8 | 40.5 | 41.6 | 40.7 | 42.8 |

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: September 21, 2021



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Total Haloacetic Acids Summary Report

Reporting Period: Quarter 3 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, November 16, 2020 | 21.5 | 21.2 | 22.2 | 20.3 | 21.3 | 23.5 |
| 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 |
| RUNNING AVERAGE HAA | 24.7 | 26.0 | 26.8 | 26.1 | 23.0 | 27.6 |

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: September 21, 2021