



**Water and Waste Department • Service des eaux et des déchets**

*Environmental Standards Division • Division des Normes Environnementales*

January 28, 2019

Our File: 040-18-18-55-00

Derek Clarke  
Office of Drinking Water  
Manitoba Sustainable Development  
Box 6000  
Gimli, Manitoba R0C 1B0

Dear Mr. Clarke:

**RE: TOTAL TRIHALOMETHANE AND HALOACETIC ACIDS SUMMARY REPORTS  
FOR THE CITY OF WINNIPEG WATER SUPPLY SYSTEM FOR QUARTER 4 - 2018**

Please find attached the Total Trihalomethane and Haloacetic Acids Summary Reports for the fourth quarter of 2018 for the Winnipeg water supply system for your review and records.

Please let me know of any concerns or questions respecting this submission. I may be reached at the address below, by telephone at 204-986-8359, or by e-mail at [rgrosselle@winnipeg.ca](mailto:rgrosselle@winnipeg.ca).

Thanks for your ongoing cooperation and understanding in this matter.

Yours sincerely,

*Original signed by:*

R. Grosselle  
Manager of Environmental Standards

RG/nc

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)  
C. Diduck (e-mail)

**CITY OF WINNIPEG  
WATER AND WASTE DEPARTMENT  
ENVIRONMENTAL STANDARDS DIVISION**

**Total Trihalomethane Summary Report**

Reporting Period: Quarter 4 2018

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 5, 2018	35	33	44	40	34	37
Monday, May 7, 2018	30	30	31	33	32	31
Monday, August 13, 2018	54	54	57	58	53	56
Monday, November 5, 2018	21	22	19	24	24	23
<b>RUNNING AVERAGE THM</b>	<b>35</b>	<b>35</b>	<b>38</b>	<b>39</b>	<b>36</b>	<b>37</b>

COMMENTS: The sample date for August was initially reported as August 7, 2018

NR - NO RESULT

NS - NO SAMPLE

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 Compiled by: H.Demchenko

Approved in Sample Manager by: C.Diduck

File: WQR4

Date Approved: January 28, 2019

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**CITY OF WINNIPEG  
WATER AND WASTE DEPARTMENT  
ENVIRONMENTAL STANDARDS DIVISION**

**Haloacetic Acids Summary Report**

Reporting Period: Quarter 4 2018

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 5, 2018	35	32	42	37	32	34
Monday, May 7, 2018	24	26	23	25	25	25
Monday, August 13, 2018	17	30	17	22	30	30
Monday, November 5, 2018	20	27	19	18	21	27
<b>RUNNING AVERAGE HAA</b>	<b>24</b>	<b>29</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>29</b>

COMMENTS: The sample date for August was initially reported as August 7, 2018

NR - NO RESULT

NS - NO SAMPLE

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 Compiled by: H.Demchenko

Approved in Sample Manager by: C.Diduck

File: WQR4

Date Approved: January 28, 2019

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