

P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

**Veolia Water (Whitechurch)** 

Attn : Gary Nicholson

PO Box 185 Goderich, ON N7A 3Z2, Canada

Phone: 519-524-6583

Fax:pdf

Works #: 220008863

22-February-2024

Date Rec.: 13 February 2024 LR Report: CA30260-FEB24

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# CERTIFICATE OF ANALYSIS Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed	4: Analysis Completed	5: MAC	6: Half MAC	7: MDL	8: TW Whitechurch Treated Water	9: - TW Whitechurch - Treated	10: DW WCSS	11: DW ABSS
			Date	Time							
Sample Date & Time								12-Feb-24 14:15	12-Feb-24 14:15	12-Feb-24 14:05	12-Feb-24 14:00
Temperature Upon Receipt [at London Lab °C]								5.0	5.0	5.0	5.0
Temperature Upon Receipt [at Lakefield Lab °C]								8.0	8.0	8.0	8.0
Field Free Chlorine [mg/L]								1.68	1.68	1.45	1.23
Barium [ug/L]	20-Feb-24	09:30	20-Feb-24	13:04	1000	500	0.02		795		
Nitrite (as N) [mg/L]	17-Feb-24	02:19	22-Feb-24	11:05	1.0		0.003	0.003 <mdl< td=""><td></td><td></td><td></td></mdl<>			
Nitrate (as N) [mg/L]	17-Feb-24	02:19	22-Feb-24	11:05	10		0.006	0.006 <mdl< td=""><td></td><td></td><td></td></mdl<>			
Nitrate + Nitrite (as N) [mg/L]	17-Feb-24	02:19	22-Feb-24	11:05			0.006	0.006 <mdl< td=""><td></td><td></td><td></td></mdl<>			
Trihalomethanes (total) [ug/L]	16-Feb-24	13:26	20-Feb-24	11:08	100 (RAA)		0.37				15
Bromodichloromethane [ug/L]	16-Feb-24	13:26	20-Feb-24	11:08			0.26				3.2
Bromoform [ug/L]	16-Feb-24	13:26	20-Feb-24	11:08			0.34				0.34 <mdl< td=""></mdl<>
Chloroform [ug/L]	16-Feb-24	13:26	20-Feb-24	11:08			0.29				11
Dibromochloromethane [ug/L]	16-Feb-24	13:26	20-Feb-24	11:08			0.37				0.81
Total Haloacetic Acids (HAA5) [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49	80 (RAA)		5.3			5.3 <mdl< td=""><td></td></mdl<>	
Chloroacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			4.7			4.7 <mdl< td=""><td></td></mdl<>	
Bromoacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			2.9			2.9 <mdl< td=""><td></td></mdl<>	
Dichloroacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			2.6			4.5	
Dibromoacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			2.0			2.0 <mdl< td=""><td></td></mdl<>	
Trichloroacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			5.3			5.3 <mdl< td=""><td></td></mdl<>	

MAC - Maximum Acceptable Concentration Half MAC - Half of the Maximum Acceptable Concentration MDL - SGS Method Detection Limit



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LR Report :

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### Method Descriptions

Units	Description	SGS Method Code
ug/L	Barium by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
mg/L	Nitrate by Ion Chromatography	ME-CA-[ENV]IC-LAK-AN-001
mg/L	Total Nitrate/Nitrite by Ion Chromatograph	ME-CA-[ENV]IC-LAK-AN-001
mg/L	Nitrite by Ion Chromatography	ME-CA-[ENV]IC-LAK-AN-001
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004

Carrie Greenlaw

Project Specialist,

Environment, Health & Safety



#### SGS Canada Inc.

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Attn: Gary Nicholson

PO Box 185 Goderich, ON N7A 3Z2, Canada

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15-January-2024

Works #: 220008863

Date Rec.: 09 January 2024 LR Report: CA30208-JAN24

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# CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Free Chlorine mg/L	Field pH	pH No unit	Alkalinity mg/L as CaCO3	Lead ug/L
1: Analysis Start Date						11-Jan-24	11-Jan-24	15-Jan-24
2: Analysis Start Time						15:12	15:12	12:00
3: Analysis Completed Date						12-Jan-24	12-Jan-24	15-Jan-24
4: Analysis Completed Time						11:58	11:58	13:25
5: MAC								10
6: AO/OG					6.5-8.5	6.5-8.5	30-500	
7: MDL							2	0.01
8: DW WCSS	09-Jan-24 10:55	8.3	8.0	1.56	8.27	8.00	275	0.04

MAC - Maximum Acceptable Concentration AO/OG - Aesthetic Objective / Operational Guideline

MDL - SGS Method Detection Limit

## Method Descriptions

Parameter	Description	SGS Method Code			
Alkalinity	Alkalinity by Titration	ME-CA-[ENV]EWL-LAK-AN-006			
Lead	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006			
На	pH - solution	ME-CA-[ENV]EWL-LAK-AN-006			

Hawley Anderson, Hon.B.Sc

Project Specialist,

Environment, Health & Safety