ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

AMABEL-SAUBLE
DRINKING WATER SYSTEM

Large Municipal Residential

SCHEDULE 22
SUMMARY REPORT

For the period of
JANUARY 1, 2022 TO DECEMBER 31, 2022

Prepared by the Ontario Clean Water Agency
For The Corporation of the Town of South Bruce Peninsula

This report was prepared in accordance with the requirements of *O.Reg 170/03, Schedule 22, Summary Reports for Municipalities* for the following system and reporting period:

Drinking-Water System Number:	220007917
Drinking-Water System Name:	Amabel-Sauble Drinking Water System
Drinking-Water System Owner:	Town of South Bruce Peninsula
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2022 – December 31, 2022

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on December 8, 2022 for the period covering November 26, 2021 to December 8, 2022. On December 30, 2022 the Inspection Report was issued. As of the issue date of this report, an Inspection Summary Rating Record (IRR) has not yet been received.

The following is a summary of non-compliances noted in the MECP Inspection Report, as well as the duration and the measures that were taken to correct the non-compliance. If any self-reported non-compliances were included in the inspection report, they will be noted in Table 1.

Table 1. Non-Compliances and Corrective Actions noted in the 2021/2022 MECP Inspection Report

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
N/A	N/A	N/A

The following table (Table 2) is a summary of any incidents that the Operating Authority interpreted as instances where any requirements of the Act, the regulations, the system's approval, drinking water works permit (DWWP), municipal drinking water licence (MDWL), and any orders applicable were not met. The Operating Authority reported the following incidents to the MECP and confirmation of whether the incidents are considered non-compliances are noted in the MECP Inspection Report and included in Table 1.

Table 2. Self-Reported Incidents and Corrective Actions for the Reporting Period

Incident	Duration	Corrective Actions
N/A	N/A	N/A

For information on any Adverse Water Quality Incident(s) that may have occurred during the reporting period, please refer to the Amabel-Sauble Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables summarize the quantities and flow rates of water supplied during the reporting period, including monthly averages and maximum daily flows as well as a comparison to the rated capacity and flow rates approved in the system's approval, DWWP or MDWL.

2.1 Treated Water

Municipal Drinking Water License (MDWL):	094-101 (Issue Number: 4)
Allowable Rated Capacity:	687 m^3/day
Allowable Flowrate into Treatment System:	N/A

As per the MDWL, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the listed rated capacity. However, the MDWL allows a system to be operated temporarily at a maximum daily volume and/or a maximum flowrate above the values set out in the MDWL for the purposes of fighting a large fire or for the maintenance of the drinking water system.

Table 3. Treated Water Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2022

Timeframe	Treated Water Flow				
	Average Flow (m^3/day)	Percent of Rated Capacity	Maximum Flow (m^3/day)	Percent of Rated Capacity	Total Volume (m^3)
January	109	15.9%	296	43.1%	3,382
February	103	15.0%	222	32.3%	2,886
March	96	14.0%	117	17.0%	2,961
April	108	15.7%	133	19.4%	3,249
May	138	20.1%	197	28.7%	4,267
June	168	24.5%	216	31.4%	5,031
July	187	27.2%	258	37.6%	5,808
August	184	26.8%	268	39.0%	5,710
September	149	21.7%	211	30.7%	4,474
October	139	20.2%	195	28.4%	4,306
November	160	23.3%	183	26.6%	4,798
December	110	16.0%	171	24.9%	3,421
2022	**138**	**20.1%**	**296**	**43.1%**	**50,292**

A review of flow information for the reporting period indicates that the drinking water system operated within the rated capacity specified in the MDWL, for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system.

Table 4. Treated Water Annual and Monthly Average and Maximum Flowrates for 2022

Timeframe	Treated Water Flowrate	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	1.26	62.62[4a]
February	1.20	56.03[4a]
March	1.11	7.88
April	1.24	7.84
May	1.60	55.40[4a]
June	1.95	9.13
July	2.17	9.33
August	2.13	9.87
September	1.73	59.67[4a]
October	1.61	64.05[4a]
November	1.85	48.57[4a]
December	1.28	7.61
2022	**1.60**	**64.05**[4a]

[4a]High flow rates due to use of hydrants.

The applicable MDWL for the reporting period did not list a maximum allowable limit for the flowrate of water that flows into a treatment subsystem. A summary of flowrates of water that flows into the treatment system can be found in Tables 6, 8 and 10.

2.2 Raw Water

Permit to Take Water Number:	8444-AKMQCN
Allowable Maximum Raw Water Volume - Well PW1:	687 m^3/day
Allowable Maximum Raw Water Flowrate - Well PW1:	477 L/min
Allowable Maximum Volume of Raw Water - Well PW2:	687 m^3/day
Allowable Maximum Raw Water Flowrate – Well PW2:	477 L/min
Allowable Maximum Raw Water Volume - Well W10 Winburk:	262 m^3/day
Allowable Maximum Raw Water Flowrate - Well W10 Winburk:	364 L/min
Allowable Maximum Total Taking from Any Combination of Well PW1 and/or Well PW2 (for up to 120 days per year)	687 m^3/day
Allowable Maximum Total Taking from Any Combination of Well PW1 and/or Well PW2	535.68 m^3/day

As per the PTTW, water shall only be taken from the specified source(s) and at the rates and amounts taken as specified in the permit.

Table 5. Raw Water (Well PW1) Monthly Average, Maximum Flow and Total Volume for 2022

Timeframe	Raw Water Flow – Well PW1				
	Average Flow (m^3/day)	Percent of Allowable Volume	Maximum Flow (m^3/day)	Percent of Allowable Volume	Total Volume (m^3)
January	55.0	8.0%	145.0	21.1%	1,705
February	53.7	7.8%	123.7	18.0%	1,504
March	50.2	7.3%	70.6	10.3%	1,556
April	56.7	8.3%	73.0	10.6%	1,701
May	69.2	10.1%	121.8	17.7%	2,145
June	82.7	12.0%	132.2	19.2%	2,481
July	94.2	13.7%	141.9	20.7%	2,919
August	91.1	13.3%	138.0	20.1%	2,823
September	73.8	10.7%	127.5	18.6%	2,214
October	67.7	9.9%	118.4	17.2%	2,098
November	79.0	11.5%	123.9	18.0%	2,368
December	56.6	8.2%	125.2	18.2%	1,755
2022	**69.2**	**10.1%**	**145.0**	**21.1%**	**25,271**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well PW1.

Table 6. Raw Water (Well PW1) Annual and Monthly Average and Maximum Flowrates for 2022

	Raw Water Flowrate – Well PW1	
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	3.96	4.73
February	3.95	4.76
March	3.94	4.23
April	3.95	4.55
May	3.94	4.72
June	3.92	5.21
July	3.91	4.60
August	3.90	4.65
September	3.89	4.70
October	3.88	4.78
November	3.88	4.89
December	3.62	4.75
2022	**3.89**	**5.21**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate for Well PW1.

Table 7. Raw Water (Well PW2) Monthly Average, Maximum Flow and Total Volume for 2022

Timeframe	Raw Water Flow – Well PW2				
	Average Flow (m^3/day)	Percent of Allowable Volume	Maximum Flow (m^3/day)	Percent of Allowable Volume	Total Volume (m^3)
January	55.4	8.1%	144.0	21.0%	1,719
February	54.2	7.9%	123.2	17.9%	1,519
March	50.7	7.4%	70.4	10.2%	1,571
April	57.2	8.3%	72.5	10.6%	1,715
May	70.1	10.2%	121.7	17.7%	2,172
June	83.9	12.2%	135.3	19.7%	2,516
July	96.0	14.0%	144.0	21.0%	2,976
August	93.6	13.6%	145.0	21.1%	2,903
September	76.5	11.1%	130.8	19.0%	2,295
October	70.9	10.3%	121.8	17.7%	2,199
November	81.9	11.9%	128.2	18.7%	2,458
December	59.2	8.6%	129.9	18.9%	1,836
2022	**70.8**	**10.3%**	**145.0**	**21.1%**	**25,878**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well PW2.

Table 8. Raw Water (Well PW2) Annual and Monthly Average and Maximum Flowrates for 2022

	Raw Water Flowrate – Well PW2	
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	3.93	4.85
February	3.94	4.83
March	3.94	4.89
April	3.95	5.86
May	3.95	4.89
June	3.96	4.85
July	3.98	4.89
August	3.99	4.84
September	4.00	4.85
October	4.01	4.86
November	4.01	4.87
December	3.76	5.43
2022	**3.95**	**5.86**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate for Well PW2.

Table 9. Raw Water (Well W10 Winburk) Monthly Average, Maximum Flow and Total Volume for 2022

Timeframe	Raw Water Flow – Well W10 Winburk				
	Average Flow (m^3/day)	Percent of Allowable Volume	Maximum Flow (m^3/day)	Percent of Allowable Volume	Total Volume (m^3)
January	5.04	1.9%	8.11	3.1%	20
February	2.52	1.0%	2.99	1.1%	13
March	0.37	0.1%	3.75	1.4%	11
April	0.23	0.1%	3.28	1.3%	7
May	0.38	0.1%	4.53	1.7%	12
June	2.04	0.8%	3.07	1.2%	6
July	1.03	0.4%	1.70	0.6%	4
August	1.80	0.7%	3.48	1.3%	9
September	2.13	0.8%	3.98	1.5%	8
October	4.33	1.7%	8.47	3.2%	17
November	1.84	0.7%	2.16	0.8%	6
December	0.16	0.1%	2.61	1.0%	5
2022	**1.82**	**0.7%**	**8.47**	**3.2%**	**119**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well W10 Winburk.

Table 10. Raw Water (Well W10 Winburk) Annual and Monthly Average and Maximum Flowrates for 2022

	Raw Water Flowrate – Well W10 Winburk	
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	2.95	5.32
February	2.42	4.17
March	0.32	4.45
April	0.19	3.04
May	0.32	4.33
June	2.58	4.28
July	1.38	3.34
August	1.88	4.19
September	2.00	4.32
October	2.72	4.42
November	1.95	4.39
December	0.16	5.76
2022	**0.66**	**5.76**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate for Well W10 Winburk.

Table 11. Raw Water Monthly Average Flow for any Combination of Well PW1 and Well PW2

Raw Water Average Flow – Any Combination of Well PW1 and Well PW2			
Timeframe	**Average Flow (m^3/day)**	**Percent of Allowable Volume for up to 120 days**	**Percent of Allowable Volume for remaining days**
January	111.1	16.2%	20.7%
February	108.4	15.8%	20.2%
March	101.2	14.7%	18.9%
April	114.1	16.6%	21.3%
May	139.7	20.3%	26.1%
June	166.8	24.3%	31.1%
July	190.3	27.7%	35.5%
August	185.0	26.9%	34.5%
September	150.6	21.9%	28.1%
October	139.2	20.3%	26.0%
November	161.0	23.4%	30.1%
December	116.0	16.9%	21.7%
2022	**140.5**	**20.5%**	**26.2%**

Table 12. Raw Water Monthly Maximum Flow and Total Volume for any Combination of Well PW1 and Well PW2

Raw Water Maximum Flow and Total Volume – Any Combination of Well PW1 and Well PW2					
Timeframe	**Maximum Flow (m^3/day)**	**Percent of Allowable Volume for up to 120 days**	**Percent of Allowable Volume for remaining days**	**Number of days Volume > 535.68 m^3/day**	**Total Volume (m^3)**
January	289.0	42.1%	54.0%	0	3,444
February	246.9	35.9%	46.1%	0	3,036
March	141.0	20.5%	26.3%	0	3,138
April	145.5	21.2%	27.2%	0	3,423
May	243.5	35.4%	45.5%	0	4,330
June	268.0	39.0%	50.0%	0	5,003
July	285.9	41.6%	53.4%	0	5,899
August	283.7	41.3%	53.0%	0	5,735
September	258.3	37.6%	48.2%	0	4,518
October	240.1	34.9%	44.8%	0	4,314
November	252.2	36.7%	47.1%	0	4,832
December	255.0	37.1%	47.6%	0	3,596
2022	**289.0**	**42.1%**	**54.0%**	**0**	**51,267**

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily total taking from any combination of Well PW1 and/or Well PW2 for up to 120 days per year and the maximum allowable daily total taking for the remaining days of the year.

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

AMABEL-SAUBLE
DRINKING WATER SYSTEM

Large Municipal Residential

SECTION 11
ANNUAL REPORT

For the period of
JANUARY 1, 2022 TO DECEMBER 31, 2022

Prepared by the Ontario Clean Water Agency
For the Town of South Bruce Peninsula

This report was prepared in accordance with the requirements of *O.Reg 170/03, Section 11, Annual reports* for the following system and reporting period:

Drinking Water System Number:	220007917
Drinking Water System Name:	Amabel-Sauble Drinking Water System
Drinking Water System Owner:	Town of South Bruce Peninsula
Drinking Water System Category:	Large Municipal Residential
Reporting Period:	January 1, 2022 – December 31, 2022

Does your Drinking Water System serve more than 10,000 people?

No

Is your Annual Report available to the public at no charge on a website on the Internet?

Yes

Note: If a large municipal residential system serves more than 10,000 people, the owner of the system shall ensure that a copy of every report prepared under this section is available to the public at no charge on a website on the Internet. O. Reg. 170/03, Section 11. (10)

Location where Summary Report required under O. Reg 170/03, Schedule 22 will be available for inspection. *(O. Reg 170/03, Section 11.(6)(5))*:

- Town of South Bruce Peninsula, 315 George Street, Wiarton ON, N0H 2T0
- https://www.southbrucepeninsula.com/en/town-hall/water-and-sewer-reports.aspx#2021

List all Drinking Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
N/A	N/A

Did you provide a copy of your annual report to all Drinking Water System owners that are connected to you and to whom you provide all of its drinking water?

N/A

How system users are notified that the annual report is available, and is free of charge:

X	Public access/notice via the web
X	Public access/notice via Government Office
	Public access/notice via a newspaper
X	Public access/notice via Public Request

	Public access/notice via a Public Library
	Public access/notice via other method:

Description of Drinking Water System *(O.Reg 170/03, Section 11.(6)(a)):*

The Amabel-Sauble Well Supply Drinking Water System (DWS) is a Class II Treatment and a Class II Water Distribution System.

The Amabel-Sauble DWS is supplied by the following deep drilled GUDI wells:

- Well PW1
- Well PW2
- Winburk Well

The treatment system consists of:

- Sodium hypochlorite oxidation/disinfection system (for iron and manganese oxidation, primary disinfection and secondary disinfection/chemical top up)
- Filtration (for iron and manganese removal)
- Cartridge filtration (as pretreatment for ultra violet disinfection)
- UV disinfection
- Pressure tanks
- Backwash wastewater holding tank for residuals management (supernatant is discharged to a ditch and settled sludge is removed)
- SCADA Instrumentation and control systems (to control process equipment function within the plant and at each of the raw water wells)
- Reservoir/clearwell (for storage and to help achieve that required contact time for disinfection)

The distribution system for the Amabel-Sauble DWS has approximately 15.6 kilometers of distribution watermains.

List of water treatment chemicals used by the system during the reporting period *(O.Reg 170/03, Section 11.(6)(a)):*

- Sodium Hypochlorite 12%

Significant expenses were incurred to:

X	Install required equipment
X	Repair required equipment
X	Replace required equipment
	No significant expenses were incurred

Description of major expenses during the reporting period to install, repair or replace required equipment (O.Reg 170/03, Section 11.(6)(e)):

- UV sensor kit and bearing housing
- Replaced turbidity analyzer
- Miscellaneous distribution system parts

Summary of any reports/notices submitted to the Ministry and/or Spills Action Centre in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 during the reporting period, including a description of any corrective actions taken under Schedule 17 or 18 *(O. Reg 170/03, Section 11.(6)(b),(d):*

Incident Date (yyyy/mm/dd)	Parameter/ Notice of	Result & Unit	Summary of Reporting, Corrective Actions & Resolution
N/A	N/A	N/A	N/A

Table 1. Microbiological testing done under the Schedule 11 of Regulation 170/03 during this reporting period *(O.Reg 170/03, Section 11.(6)(c)).*

Location	Number of Samples	Range of E. Coli or Fecal Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Samples	
		Min.	Max.	Min.	Max.		Min.	Max.
Raw Well #1	52	0	0	0	30	N/A	N/A	N/A
Raw Well #2	52	0	0		0	N/A	N/A	N/A
Raw Well Winburk	52	0	0	0	0	N/A	N/A	N/A
Treated	52	0	0	0	0	52	0	1
Distribution	104	0	0	0	0	52	0	2

Table 2. Operational testing done under Schedule 7 of Regulation 170/03 during the period covered by this Annual Report *(O. Reg 170/03, Section 11.(6)(c)).*

Parameter & Location	Number of Samples	Range of Results	
		Min.	Max.
Turbidity, Filter (NTU)	8760	0.01	0.48
Free Chlorine Residual, Treated Water (mg/L)	8760	0.65	2.42
Free Chlorine Residual, Distribution (mg/L)	416	0.77	2.17

Note: The number of samples used for continuous monitoring units is 8760.

Table 3. Summary of additional testing and sampling results carried out in accordance with the requirement of an approval, municipal drinking water licence or order (including OWRA) or other legal instrument. ***(O. Reg 170/03, Section 11.(6)(c))***

Legal Instrument & Issue Date (yyyy/mm/dd)	Parameter	Date Sampled	Number of Samples	Annual Average	Allowable Annual Average
March 6, 2020 094-102 (Issue 4)	Total Suspended Solids (Filter backwash)	2022 (Monthly)	12	3.9	25 mg/L
March 6, 2020 094-102 (Issue 4)	Total Chlorine Residual (Filter backwash)	2022 (Monthly)	12	0.02	0.02 mg/L

Table 4. Summary of Inorganic parameters tested during this reporting period or the most recent sample results ***(O.Reg 170/03, Section 11.(6)(c))***

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Antimony: Sb (ug/L) - TW	2022/01/04	<MDL 0.6	6.0	No
Arsenic: As (ug/L) - TW	2022/01/04	0.4	10.0	No
Barium: Ba (ug/L) - TW	2022/01/04	371.0	1000.0	No
Boron: B (ug/L) - TW	2022/01/04	107.0	5000.0	No
Cadmium: Cd (ug/L) - TW	2022/01/04	<MDL 0.003	5.0	No
Chromium: Cr (ug/L) - TW	2022/01/04	0.41	50.0	No
Mercury: Hg (ug/L) - TW	2022/01/04	<MDL 0.01	1.0	No
Selenium: Se (ug/L) - TW	2022/01/04	<MDL 0.04	50.0	No
Uranium: U (ug/L) - TW	2022/01/04	0.544	20.0	No
Fluoride (mg/L) - TW	2020/01/06	1.35	1.5	No
Nitrite (mg/L) - TW	2022/01/04	<MDL 0.003	1.0	No
Nitrite (mg/L) - TW	2022/04/04	<MDL 0.003	1.0	No
Nitrite (mg/L) - TW	2022/07/04	<MDL 0.003	1.0	No
Nitrite (mg/L) - TW	2022/10/03	<MDL 0.003	1.0	No
Nitrate (mg/L) - TW	2022/01/04	0.019	10.0	No
Nitrate (mg/L) - TW	2022/04/04	0.018	10.0	No
Nitrate (mg/L) - TW	2022/07/04	0.046	10.0	No
Nitrate (mg/L) - TW	2022/10/03	0.018	10.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Aesthetic Objective (AO)	Exceedance	
				AO	> 20 mg/L
Sodium: Na (mg/L) - TW	2020/01/06[c]	14.3	200[d]	No	No

Note: MDL = Minimum Detection Limit

[c]Sodium is reportable every 60 months. Next set of sodium samples is scheduled to be sampled in 2026.

[d]There is no regulatory Maximum Allowable Concentration (MAC) Sodium. The aesthetic objective (AO) for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Table 5: Summary of lead testing under Schedule 15.1 during this reporting period (O.Reg 170/03, Section 11.(6)(g))

Location/Type & Parameter	Number of Samples	Range of Results		Number of Lead Exceedances (MAC = 10 µ/L)
		Min.	Max.	
Period: January 1 to April 15				
Plumbing – Lead (µg/L)[a]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L)[b]	N/A	N/A	N/A	N/A
Distribution – Alkalinity (mg/L as $CaCO_3$)	4	195	209	N/A
Distribution – pH	4	8.01	8.12	N/A
Period: June 15 to October 15				
Plumbing – Lead (µg/L)[a]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L)[b]	4	0.08	1.29	0
Distribution – Alkalinity (mg/L as $CaCO_3$)	4	195	197	N/A
Distribution – pH	4	7.77	7.97	N/A
Period: December 15 to 31				
Plumbing – Lead (µg/L)[a]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L)[b]	N/A	N/A	N/A	N/A
Distribution – Alkalinity (mg/L as $CaCO_3$)	N/A	N/A	N/A	N/A
Distribution - pH	N/A	N/A	N/A	N/A

Note: this is required for large municipal residential systems, small municipal residential systems or non-municipal year-round residential system.

[a]Plumbing samples are not applicable as this system qualifies for the plumbing exemption per O. Reg 170/03 Schedule 15.1-5 (9) (10).

[b]Distribution lead samples are taken every 36 months. The next set of distribution lead samples is scheduled to be sampled during the winter period of December 15, 2022 to April 15, 2023 and summer period of June 15, 2025 to October 15, 2025.

Table 6: Summary of Organic parameters sampled during this reporting period or the most recent sample results *(O.Reg 170/03, Section 11.(6)(c)).*

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Alachlor (ug/L) - TW	2022/01/04	<MDL 0.02	5.0	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2022/01/04	<MDL 0.01	5.0	No
Azinphos-methyl (ug/L) - TW	2022/01/04	<MDL 0.05	20.0	No
Benzene (ug/L) - TW	2022/01/04	<MDL 0.32	1.0	No
Benzo(a)pyrene (ug/L) - TW	2022/01/04	<MDL 0.004	0.01	No
Bromoxynil (ug/L) - TW	2022/01/04	<MDL 0.33	5.0	No
Carbaryl (ug/L) - TW	2022/01/04	<MDL 0.05	90.0	No
Carbofuran (ug/L) - TW	2022/01/04	<MDL 0.01	90.0	No
Carbon Tetrachloride (ug/L) - TW	2022/01/04	<MDL 0.17	2.0	No
Chlorpyrifos (ug/L) - TW	2022/01/04	<MDL 0.02	90.0	No
Diazinon (ug/L) - TW	2022/01/04	<MDL 0.02	20.0	No
Dicamba (ug/L) - TW	2022/01/04	<MDL 0.2	120.0	No
1,2-Dichlorobenzene (ug/L) - TW	2022/01/04	<MDL 0.41	200.0	No
1,4-Dichlorobenzene (ug/L) - TW	2022/01/04	<MDL 0.36	5.0	No
1,2-Dichloroethane (ug/L) - TW	2022/01/04	<MDL 0.35	5.0	No
1,1-Dichloroethylene (ug/L) - TW	2022/01/04	<MDL 0.33	14.0	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2022/01/04	<MDL 0.35	50.0	No
2,4-Dichlorophenol (ug/L) - TW	2022/01/04	<MDL 0.15	900.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2022/01/04	<MDL 0.19	100.0	No
Diclofop-methyl (ug/L) - TW	2022/01/04	<MDL 0.4	9.0	No
Dimethoate (ug/L) - TW	2022/01/04	<MDL 0.06	20.0	No
Diquat (ug/L) - TW	2022/01/04	<MDL 1.0	70.0	No
Diuron (ug/L) - TW	2022/01/04	<MDL 0.03	150.0	No
Glyphosate (ug/L) - TW	2022/01/04	<MDL 1.0	280.0	No
Malathion (ug/L) - TW	2022/01/04	<MDL 0.02	190.0	No
Metolachlor (ug/L) - TW	2022/01/04	<MDL 0.01	50.0	No
Metribuzin (ug/L) - TW	2022/01/04	<MDL 0.02	80.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2022/01/04	<MDL 0.3	80.0	No
Paraquat (ug/L) - TW	2022/01/04	<MDL 1.0	10.0	No
PCB (ug/L) - TW	2022/01/04	<MDL 0.04	3.0	No
Pentachlorophenol (ug/L) - TW	2022/01/04	<MDL 0.15	60.0	No
Phorate (ug/L) - TW	2022/01/04	<MDL 0.01	2.0	No
Picloram (ug/L) - TW	2022/01/04	<MDL 1.0	190.0	No
Prometryne (ug/L) - TW	2022/01/04	<MDL 0.03	1.0	No
Simazine (ug/L) - TW	2022/01/04	<MDL 0.01	10.0	No
Terbufos (ug/L) - TW	2022/01/04	<MDL 0.01	1.0	No
Tetrachloroethylene (ug/L) - TW	2022/01/04	<MDL 0.35	10.0	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2022/01/04	<MDL 0.2	100.0	No
Triallate (ug/L) - TW	2022/01/04	<MDL 0.01	230.0	No
Trichloroethylene (ug/L) - TW	2022/01/04	<MDL 0.44	5.0	No
2,4,6-Trichlorophenol (ug/L) - TW	2022/01/04	<MDL 0.25	5.0	No
Trifluralin (ug/L) - TW	2022/01/04	<MDL 0.02	45.0	No
Vinyl Chloride (ug/L) - TW	2022/01/04	<MDL 0.17	1.0	No
Trihalomethane: Total (ug/L) Annual Average - DW	2022 (Quarterly)	32.25	100.0	No
HAA Total (ug/L) Annual Average - DW	2022 (Quarterly)	6.48	80.0	No

Note: MDL = Minimum Detection Limit, MAC = Maximum Allowable Concentration

Table 7: List of Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards for the reporting period.

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result
N/A	N/A	N/A