



A People Place, A Change of Pace
SHELBURNE
ONTARIO, CANADA

| | |
|----------------------|---|
| Meeting Date: | Monday, March 22, 2021 |
| To: | Mayor Mills and Members of Council |
| From: | Jim Moss, Director, Development and Operations |
| Report: | DO2021-01 |
| Subject: | Ontario Clean Water Agency (OCWA) 2020 Water Summary and Annual Reports |

Recommendation

Be it Resolved that Council of the Town of Shelburne receives the report DO2021-01 Ontario Clean Water Agency (OCWA) 2020 Water Summary and Annual Reports for information purposes.

Background

Ontario's Drinking Water Regulation O. Reg. 170/03 Schedule 22 requires that Summary Reports for Municipal Water Systems be prepared by March 31st of each year and received by Council. Summary Reports are separate from the Annual Reports that must be submitted by February 28th of the following year as a requirement under Section 11 of O Reg. 170/03.

The Ontario Clean Water Agency (OCWA) is the operating authority for the Town of Shelburne's Municipal water system with the Town playing a supporting role. This report covers from January 1st, 2020 – December 31st, 2020 and fulfills the requirements of the O. Reg. 170/03 Schedule 22 for the 2020 reporting year.

The requirements under regulation 170/03 for the Summary Reports are as follows:

The Summary Report to Council must contain the quantities and flow rates of water supplied during the year and include monthly averages and maximum daily flows.

A comparison of the above noted flow rates and the rated capacity of the systems based on the Environmental Compliance Approval (ECA), the Permit to Take Water (PTTW) and Drinking Water Works Permit is created to ensure compliance with associated regulations and permits.

Copies of the Summary Reports and Annual Reports must be available to the public and are available for review free of charge to every person who requests a copy and are posted on the Town website.

Analysis

The Summary ("Appendix 1") and Annual Reports ("Appendix 2") for the Town of Shelburne Water System were submitted by OCWA on February 26th, 2020.

The annual inspection of the water system by the Ministry of the Environment Conservation and Parks (MOECP) was conducted on September 15, 2020 with the Town received the inspection report dated November 24, 2020 with a final inspection rating of 96.77%.

Financial Impact

N/A

Policies & Implications

Compliance with Regulation 170/03, the Drinking Water Works Permit, the Environmental Compliance Approval for the system and the Towns Permit to Take Water (PTTW).

Consultation and Communications

Ontario Clean Water Agency - Don Irvine and Melissa Cortes

Council Strategic Priorities

Council's Strategic Priorities has three Goals - Sustainable, Engaged and Livable. There are a total of 12 targets with the three Goals.

This report aligns with the Sustainable Goals within the Targets:

Target T2 Municipal Services Review and Evaluation

Target T6 Promote more open Communication

Target T8 Enhance Marketing and Education

Supporting Documentation

Appendix 1: OCWA 2020 Summary Report Shelburne Drinking Water System

Appendix 2: OCWA 2020 Annual Report Shelburne Drinking Water System

Respectfully Submitted:

Jim Moss, Director of Development and Operations

Prepared by:

Jim Moss, Director of Development and Operations

Reviewed by:

Denyse Morrissey, CAO

SUMMARY REPORT

ONTARIO REGULATION 170/03
SCHEDULE 22

SHELBURNE DRINKING WATER SYSTEM

FOR THE PERIOD:
JANUARY 1, 2020 – DECEMBER 31, 2020

*Prepared for the Town of Shelburne
by the Ontario Clean Water Agency*



A People Place, A Change of Pace
SHELBURNE
ONTARIO, CANADA



ONTARIO CLEAN WATER AGENCY
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SUMMARY REPORTS FOR MUNICIPALITIES

Period from: JANUARY 01, 2020 – DECEMBER 31, 2020

DRINKING-WATER SYSTEMS REGULATION O. Reg. 170/03, Schedule 22

| | |
|--|---|
| DRINKING-WATER SYSTEM NAME: | SHELBURNE DRINKING WATER SYSTEM |
| DRINKING-WATER SYSTEM NUMBER: | 220004695 |
| DRINKING-WATER SYSTEM CATEGORY: | LARGE MUNICIPAL RESIDENTIAL |
| DRINKING-WATER WORKS PERMIT #: | 109-201, Issue #7 – Issued: October 1, 2020 |
| MUNICIPAL DRINKING WATER LICENCE #: | 109-101, Issue #5 - Issued: October 1, 2020 Expiry: September 30, 2025 |
| PERMIT TO TAKE WATER #: | 1353-AZHJCQ - Issued: December 3, 2015 Expiry: May 31, 2020 P-300-1082818689 - Issued: December 10, 2020 Expiry: August 31, 2030 |

REPORT:

This report is a summary of water quality information for the Shelburne Water Supply, published in accordance with Schedule 22 of Ontario's Drinking-Water System Regulation 170/03 for the reporting period of **January 1, 2020 to December 31, 2020**.

This report was prepared by the Ontario Clean Water Agency on behalf of the Town of Shelburne.

Issues of Non-Compliance

The following outlines any instances when the DWS failed to meet the requirements of the Act, Regulations, System Approval(s) and any Order during this reporting period and the measures taken to correct each failure.

| Non-Compliance Description | Date Non-Compliance Issued | Corrective Action | Date Corrective Action Implemented |
|---|-----------------------------------|--|---|
| Non-Compliance issued from MECP Inspection Report dated September 15, 2020 The owner was not in compliance with all conditions of the PTTW. | 11/24/2020 | Town of Shelburne Engineer SBA has been advised of their requirement and will meet all the requirements under the license – Final well field capacity assessment report was submitted March 26, 2020 – Under the new PTTW the new requirement is stated to be March 31, 2021 | n/a |
| Non-Compliance issued from MECP Inspection Report dated September 15, 2020 The owner/operating authority was not in compliance with the requirement to prepare Form 1 documents as required by their Drinking Water Works Permit during the inspection period. | 11/24/2020 | Town developed a procedure for future watermain projects and provide MECP inspector with a copy of the procedure on December 18, 2020 | 12/18/2020 |
| Non-Compliance issued from MECP Inspection Report dated September 15, 2020 The overall responsible operator had not been designated for each subsystem. | 11/24/2020 | Incorrect designation was amended – There was an SOP G-49 was drafted on November 23, 2020 and has been distributed and updated in FEP binders | 10/05/2020 |

*Refer to MECP Inspection Report for further details on non-compliance

SUMMARY REPORTS FOR MUNICIPALITIES

Period from: JANUARY 01, 2020 – DECEMBER 31, 2020

DRINKING-WATER SYSTEMS REGULATION O. Reg. 170/03, Schedule 22

The Shelburne Drinking Water System was last inspected by the Ministry of the Environment, Conservation, and Parks on September 15, 2020.

Please refer to the Section 11 Annual Report for the Shelburne Drinking Water System for information regarding Adverse Water Quality Incident(s) which may have occurred during the reporting period.

SYSTEM PERFORMANCE:

The following tables list the quantities and flow rates of the water supplied during the reporting period covered by this report, including each raw water well and the treated water system. It includes the monthly average, maximum daily flows and a comparison to the rated capacity and flow rates specified in the system approval.

| Table 1: Shelburne DWS – Maximum Allowable Volume and Flow Rate, and Rated Capacity | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Shelburne Well Supply | Well #1 | Well #3 | Well #5 | Well #6 | Well #7 | Well #8 |
| Design Capacity (m ³ /day) | 1642.00 | 1309.00 | 1964.00 | 1964.00 | 1635.00 | 1635.00 |
| Approved Maximum Flow Rate (L/s) | 19.00 | 15.15 | 22.73 | 22.73 | 18.91 | 18.91 |
| Average Day Flow (m ³ /day) | 13.65 | 591.91 | 413.80 | 362.14 | 563.34 | 632.36 |
| Maximum Day Flow (m ³ /day) | 328.00 | 892.00 | 1329.00 | 1037.00 | 1572.00 | 1555.00 |
| % Average Day Flow/Design Capacity | 5.09% | 45.22% | 21.07% | 18.44% | 34.46% | 38.68% |
| % Maximum Day Flow/Design Capacity | 19.98% | 68.14% | 67.67% | 52.80% | 96.15% | 95.11% |
| Average Peak Flow Rate (L/s) | 8.56 | 13.61 | 14.96 | 13.23 | 19.12 | 18.91 |
| Maximum Peak Flow Rate (L/s) | 15.76 | 14.78 | 19.25 | 15.50 | 21.94 | 23.23 |
| % Average Peak Flow Rate/Approved | 45.05% | 89.83% | 65.82% | 58.21% | 101.11% | 100% |
| % Maximum Peak Flow Rate/Approved | 82.95% | 97.56% | 84.69% | 68.19% | 116.02% | 122.85% |

A review of flow information for the period of January 1, 2020 to December 31, 2020 indicates that:

- The maximum daily volume specified in the PTTW was not exceeded on any well.
- The drinking water system did not exceed the rated capacity for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system as specified in the MDWL.
- There were 3 instances where the maximum peak flow rate was exceeded for Well 7 within the drinking water system.
 - May 15, 2020 – exceedance occurred for 28 seconds on startup and was not reportable due to it being a brief spike.
 - July 24, 2020 – exceedance occurred for less than 5 minutes (true max SCADA data 18.23 L/s)
 - October 10, 2020 – exceedance occurred due to power blip at 12:58 (trended 19.23 L/s)
- There were 3 instances where the maximum peak flow rate was exceeded for Well 8 within the drinking water system.
 - February 12, 2020 – exceedance occurred for 9 seconds, both well 7 & 8 ran together, nearing pump shut off Well 8 jumped
 - May 16, 2020 – exceedance occurred for less than 5 minutes (true max SCADA data 18.12 L/s)

SUMMARY REPORTS FOR MUNICIPALITIES

Period from: JANUARY 01, 2020 – DECEMBER 31, 2020

DRINKING-WATER SYSTEMS REGULATION O. Reg. 170/03, Schedule 22

- July 7, 2020 - exceedance occurred for less than 5 minutes (true max SCADA data 18.25 L/s)

The following tables outline the detailed flow summary for each Raw Water Well:

| Table 2: Facility Flow Summary for Raw Water Source W1 | | | | | | |
|--|--|--|--|-------------------------------------|-----------------------------------|--------------------------------|
| Well #1 | | | | | | |
| Month | Monthly Flow Total (m ³ /month) | Daily Flow Average (m ³ /day) | Daily Flow Maximum (m ³ /day) | Max Percent Water Taking Limits (%) | Daily Flow Peak Flow Rate (L/sec) | Number of Days of Water Taking |
| January | 3.00 | 3.00 | 3.00 | 0.18 | 6.46 | 1 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| August | 823.00 | 26.55 | 223.00 | 13.58 | 15.00 | 7 |
| September | 577.00 | 19.23 | 208.00 | 12.67 | 15.76 | 6 |
| October | 1026.00 | 33.10 | 328.00 | 19.98 | 14.14 | 6 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| Total | 2429.00 | | | | | 20 |
| Avg | | 13.65 | | | 8.56 | |
| Max | | | 328.00 | 19.98 | 15.76 | |

| Table 3 : Facility Flow Summary for Raw Water Source W3 | | | | | | |
|---|--|--|--|-------------------------------------|-----------------------------------|--------------------------------|
| Well #3 | | | | | | |
| Month | Monthly Flow Total (m ³ /month) | Daily Flow Average (m ³ /day) | Daily Flow Maximum (m ³ /day) | Max Percent Water Taking Limits (%) | Daily Flow Peak Flow Rate (L/sec) | Number of Days of Water Taking |
| January | 16966.50 | 547.31 | 892.00 | 68.14 | 13.30 | 31 |
| February | 18825.00 | 649.14 | 880.00 | 67.23 | 14.78 | 29 |
| March | 19691 | 635.19 | 814.00 | 62.18 | 13.26 | 31 |
| April | 1608.00 | 536.00 | 763.00 | 58.29 | 13.08 | 3 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |

SUMMARY REPORTS FOR MUNICIPALITIES

Period from: JANUARY 01, 2020 – DECEMBER 31, 2020

DRINKING-WATER SYSTEMS REGULATION O. Reg. 170/03, Schedule 22

| | | | | | | |
|--------------|----------|--------|--------|-------|-------|----|
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 |
| | | | | | | |
| Total | 57090.50 | | | | | 94 |
| Avg | | 591.91 | | | 13.61 | |
| Max | | | 892.00 | 68.14 | 14.78 | |

Table 4: Facility Flow Summary for Raw Water Source W5

| Well #5 | | | | | | |
|----------------|--|--|--|-------------------------------------|-----------------------------------|--------------------------------|
| Month | Monthly Flow Total (m ³ /month) | Daily Flow Average (m ³ /day) | Daily Flow Maximum (m ³ /day) | Max Percent Water Taking Limits (%) | Daily Flow Peak Flow Rate (L/sec) | Number of Days of Water Taking |
| January | 8516.00 | 283.87 | 726.00 | 36.97 | 14.28 | 30 |
| February | 7109.00 | 253.89 | 495.00 | 25.20 | 19.25 | 28 |
| March | 8375.00 | 288.79 | 711.00 | 36.20 | 14.28 | 29 |
| April | 8837.00 | 327.30 | 820.00 | 41.75 | 14.24 | 27 |
| May | 13443.20 | 463.56 | 1167.00 | 59.42 | 14.37 | 29 |
| June | 12940.00 | 517.60 | 1105.00 | 56.26 | 14.30 | 25 |
| July | 21718.00 | 723.93 | 1329.00 | 67.67 | 17.37 | 30 |
| August | 11293.00 | 364.29 | 1010.00 | 51.43 | 15.47 | 28 |
| September | 15750.00 | 525.00 | 1014.00 | 51.63 | 16.32 | 27 |
| October | 12609.00 | 406.74 | 866.00 | 44.09 | 14.36 | 28 |
| November | 12925.00 | 430.83 | 805.00 | 40.99 | 12.64 | 27 |
| December | 11773.00 | 379.77 | 826.00 | 42.06 | 12.63 | 28 |
| | | | | | | |
| Total | 145288.20 | | | | | 336 |
| Avg | | 413.80 | | | 14.96 | |
| Max | | | 1329.00 | 67.67 | 19.25 | |

SUMMARY REPORTS FOR MUNICIPALITIES

Period from: JANUARY 01, 2020 – DECEMBER 31, 2020

DRINKING-WATER SYSTEMS REGULATION O. Reg. 170/03, Schedule 22

Table 5: Facility Flow Summary for Raw Water Source W6

| Well #6 | | | | | | |
|--------------|--|--|--|-------------------------------------|-----------------------------------|--------------------------------|
| Month | Monthly Flow Total (m ³ /month) | Daily Flow Average (m ³ /day) | Daily Flow Maximum (m ³ /day) | Max Percent Water Taking Limits (%) | Daily Flow Peak Flow Rate (L/sec) | Number of Days of Water Taking |
| January | 7689.60 | 248.05 | 617.00 | 31.42 | 13.49 | 31 |
| February | 7342.03 | 253.17 | 507.00 | 25.81 | 12.46 | 29 |
| March | 7767.00 | 267.83 | 614.00 | 31.26 | 13.88 | 29 |
| April | 14441.00 | 497.97 | 784.00 | 39.92 | 12.47 | 29 |
| May | 13830.00 | 493.93 | 1013.00 | 51.58 | 12.65 | 28 |
| June | 15207.00 | 524.38 | 1037.00 | 52.80 | 13.08 | 29 |
| July | 8180.00 | 389.52 | 887.00 | 45.16 | 15.50 | 21 |
| August | 13778.00 | 444.45 | 1000.00 | 50.92 | 15.02 | 29 |
| September | 8538.00 | 284.60 | 845.00 | 43.02 | 13.50 | 25 |
| October | 9544.00 | 307.87 | 777.00 | 39.56 | 12.50 | 26 |
| November | 8756.00 | 291.87 | 761.00 | 38.75 | 12.14 | 27 |
| December | 10603.00 | 342.03 | 782.00 | 39.82 | 12.11 | 27 |
| Total | 125675.60 | | | | | 330 |
| Avg | | 362.14 | | | 13.23 | |
| Max | | | 1037.00 | 52.80 | 15.50 | |

Table 6: Facility Flow Summary for Raw Water Source W7

| Well #7 | | | | | | |
|-----------|--|--|--|-------------------------------------|-----------------------------------|--------------------------------|
| Month | Monthly Flow Total (m ³ /month) | Daily Flow Average (m ³ /day) | Daily Flow Maximum (m ³ /day) | Max Percent Water Taking Limits (%) | Daily Flow Peak Flow Rate (L/sec) | Number of Days of Water Taking |
| January | 12122.00 | 404.07 | 969.00 | 59.27 | 18.41 | 30 |
| February | 10214.00 | 352.21 | 762.00 | 46.61 | 18.56 | 29 |
| March | 11767.00 | 405.76 | 922.00 | 56.39 | 18.36 | 29 |
| April | 14777.00 | 509.55 | 1115.00 | 68.20 | 18.50 | 29 |
| May | 13078.00 | 484.37 | 1409.00 | 86.18 | 21.94 | 27 |
| June | 16087.00 | 574.54 | 1474.00 | 90.15 | 18.57 | 28 |
| July | 24402.00 | 903.78 | 1564.00 | 95.66 | 20.23 | 27 |
| August | 20016.00 | 645.68 | 1503.00 | 91.93 | 18.80 | 25 |
| September | 21133.00 | 704.43 | 1572.00 | 96.15 | 18.84 | 27 |
| October | 21122.00 | 681.35 | 1398.00 | 85.50 | 21.31 | 31 |
| November | 18974.00 | 632.47 | 1281.00 | 78.35 | 18.29 | 28 |
| December | 14318.00 | 461.87 | 1234.00 | 75.47 | 17.68 | 24 |

SUMMARY REPORTS FOR MUNICIPALITIES

Period from: JANUARY 01, 2020 – DECEMBER 31, 2020

DRINKING-WATER SYSTEMS REGULATION O. Reg. 170/03, Schedule 22

| | | | | | | |
|--------------|-----------|--------|---------|-------|-------|-----|
| Total | 198010.00 | | | | | 334 |
| Avg | | 563.34 | | | 19.12 | |
| Max | | | 1572.00 | 96.15 | 21.94 | |

Table 7: Facility Flow Summary for Raw Water Source W8

| Well #8 | | | | | | |
|----------------|---|---|---|--|--|---------------------------------------|
| Month | Monthly Flow Total (m³/month) | Daily Flow Average (m³/day) | Daily Flow Maximum (m³/day) | Max Percent Water Taking Limits (%) | Daily Flow Peak Flow Rate (L/sec) | Number of Days of Water Taking |
| January | 11322.00 | 365.23 | 925.00 | 56.57 | 18.37 | 31 |
| February | 10653.00 | 367.34 | 682.00 | 41.71 | 19.21 | 29 |
| March | 11120.00 | 370.67 | 949.00 | 58.04 | 18.43 | 30 |
| April | 18737.00 | 646.10 | 1145.00 | 70.03 | 18.45 | 29 |
| May | 26084.00 | 841.42 | 1555.00 | 95.12 | 23.23 | 31 |
| June | 23982.00 | 826.97 | 1555.00 | 95.12 | 18.91 | 29 |
| July | 20607.00 | 895.96 | 1555.00 | 95.12 | 19.26 | 23 |
| August | 20104.00 | 648.52 | 1538.00 | 94.07 | 18.49 | 29 |
| September | 19767.00 | 658.90 | 1450.00 | 88.69 | 18.80 | 25 |
| October | 18218.00 | 587.68 | 1256.00 | 76.82 | 18.79 | 28 |
| November | 18151.00 | 605.03 | 1468.00 | 89.79 | 17.46 | 27 |
| December | 24009.00 | 774.48 | 1461.00 | 89.36 | 17.51 | 30 |
| Total | 222754.00 | | | | | 341 |
| Avg | | 632.36 | | | 18.91 | |
| Max | | | 1555.00 | 95.12 | 23.23 | |

ANNUAL REPORT

SHELBURNE DRINKING WATER SYSTEM

FOR THE PERIOD:
JANUARY 1, 2020 – DECEMBER 31, 2020

*Prepared for the Town of Shelburne
by the Ontario Clean Water Agency*



A People Place, A Change of Pace
SHELBURNE
ONTARIO, CANADA

| | |
|--|--|
| Drinking-Water System Number: | 220004965 |
| Drinking-Water System Name: | Shelburne Drinking Water System |
| Drinking-Water System Owner: | The Corporation of the Town of Shelburne |
| Drinking-Water System Category: | Large Municipal Residential |
| Period being reported: | January 1, 2020 – December 31, 2020 |

| | |
|---|---|
| <p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No [X]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection. Office of Town of Shelburne 203 Main Street East Shelburne, Ontario L9V 3K7</p> | <p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: Not Applicable</p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Not Applicable</p> <p>Number of Interested Authorities you report to: Not Applicable</p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Not Applicable</p> |
|---|---|

Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

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 |
|----------------------------|------------------------------|
| Not Applicable | Not Applicable |

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?
 Not applicable.

Indicate how you notified system users that your annual report is available, and is free of charge.

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Public access/notice via the web |
| <input checked="" type="checkbox"/> | Public access/notice via Government Office |
| <input type="checkbox"/> | Public access/notice via a newspaper |
| <input checked="" type="checkbox"/> | Public access/notice via Public Request |
| <input type="checkbox"/> | Public access/notice via a Public Library |
| <input type="checkbox"/> | Public access/notice via other method: |

Describe your Drinking-Water System

The Town of Shelburne's water is derived from six drilled groundwater wells, noted as well numbers 1, 3, 5, 6, 7 and 8. Shelburne's groundwater wells draw its water from underground aquifers, which are generally protected from above-ground sources of contamination by overlying layers of clay. To prevent the direct entry of surface water or foreign materials into these wells, all wellheads are maintained and secure. Water from these wells is pumped into the distribution system, which consists of approximately 47 kilometers of watermain and into the Town's elevated storage reservoir.

Primary disinfection is achieved by the addition of sodium hypochlorite for Well # 3, 5, 6, 7 and 8. At Well #1, a complete two-stage primary disinfection system consisting of UV light combined with chemical disinfection is necessary to ensure that the water is adequately treated for consumption. Residual chlorine levels are maintained in the distribution system to effectively provide secondary disinfection throughout the system.

Shelburne's ground water supply contains high iron levels and is an aesthetic concern due to its potential for staining fixtures and clothing. To control the release of iron into the water, Shelburne's water supply is treated with Waterworx, a chemical that settles out iron content in the water.

List all water treatment chemicals used over this reporting period

- Sodium Hypochlorite 12% Solution NSF, Disinfection
- Waterworx (28% Solution) NSF, Iron Sequestering

Were any significant expenses incurred to?

- | | |
|-------------------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> | Install required equipment |
| <input type="checkbox"/> | Repair required equipment |
| <input type="checkbox"/> | Replace required equipment |
| <input type="checkbox"/> | No significant expenses were incurred |

Please provide a brief description of any significant expenses incurred

- Annual Flow Meter Calibrations
- Annual Generator Load Testing
- Annual Backflow Preventer Inspections
- Semi-Annual UV Servicing
- DWQMS S1 Systems Audit
- Well #1 & #3 Inspection
- Well #1 new well pump installed

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

| Incident Date (yyyy/mm/dd) | Parameter | Result | Unit of Measure | Corrective Action | Corrective Action Date (yyyy/mm/dd) |
|-------------------------------|--|--------|-----------------|---|--|
| 2020/02/11 | Physical/Chemical Improperly Disinfected Water Directed to Water Users | n/a | n/a | AWQI# 149574 - Well 7 & 8 were running together which lead to potentially improperly disinfected water; before it reached first user wells were shut off and backflushed; backflushing continued until normal distribution free chlorine residual was restored; free chlorine residual was verified at first user (1.08mg/L) as well as at the well house | 2020/02/11 |
| 2020/04/16 | Arsenic | 13.7 | µg/L | AWQI# 149879 - This sample was taken erroneously; proper procedure has Well 5 water blended with either Well 7 or Well 8 when sampling for arsenic, greatly lowering its concentration; Proper sampling will be completed by Operations staff as soon as reasonable possible | 2020/04/16 |

Table 1. Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

| Location | Number of Samples | Range of E.coli Results | | Range of Total Coliforms Results | | Number of HPC Samples | Range of HPC Samples | |
|------------------------|-------------------|-------------------------|------|----------------------------------|------|-----------------------|----------------------|------|
| | | Min. | Max. | Min. | Max. | | Min. | Max. |
| Raw Water - Well 1 | 12* | 0 | 0 | 0 | 0 | - | - | - |
| Raw Water - Well 3 | 13* | 0 | 0 | 0 | 0 | - | - | - |
| Raw Water – Well 5 | 52 | 0 | 0 | 0 | 0 | - | - | - |
| Raw Water – Well 6 | 52 | 0 | 1 | 0 | 1 | - | - | - |
| Raw Water – Well 7 | 52 | 0 | 0 | 0 | 0 | - | - | - |
| Raw Water – Well 8 | 52 | 0 | 0 | 0 | 0 | - | - | - |
| Treated Water – Well 1 | 10* | 0 | 0 | 0 | 0 | 10 | 0 | 2 |
| Treated Water – Well 3 | 13* | 0 | 0 | 0 | 0 | 13 | 0 | 1 |
| Treated Water – Well 5 | 52 | 0 | 0 | 0 | 0 | 52 | 0 | 63 |
| Treated Water – Well 6 | 52 | 0 | 0 | 0 | 0 | 52 | 0 | 27 |
| Treated Water – Well 7 | 52 | 0 | 0 | 0 | 0 | 52 | 0 | 420 |
| Treated Water – Well 8 | 52 | 0 | 0 | 0 | 0 | 52 | 0 | 121 |
| Distribution | 263 | 0 | 0 | 0 | 0 | 260 | 0 | 1000 |

*Well 1 was offline from October 2019 until further notice

*Well 3 was offline from April 2020 until further notice

Table 2. Operational testing done under Schedule 7, 8 or 9 during the period covered by this Annual Report.

| Parameter | Number of Grab Samples | Range of Results | |
|------------------------------------|------------------------|------------------|---------|
| | | Minimum | Maximum |
| Raw Water | | | |
| Turbidity, Well 1 (NTU) | 3* | 0.17 | 0.72 |
| Turbidity, Well 3 (NTU) | 3* | 0.06 | 0.28 |
| Turbidity, Well 5 (NTU) | 12 | 0.06 | 0.55 |
| Turbidity, Well 6 (NTU) | 12 | 0.07 | 0.50 |
| Turbidity, Well 7 (NTU) | 12 | 0.08 | 0.29 |
| Turbidity, Well 8 (NTU) | 12 | 0.07 | 0.29 |
| Treated Water | | | |
| Free Chlorine Residual, TW1 (mg/L) | - | 0.57 | 1.98 |
| Free Chlorine Residual, TW3 (mg/L) | - | 0.01** | 3.00 |
| Free Chlorine Residual, TW5 (mg/L) | 8760 | 0.29 | 2.39 |
| Free Chlorine Residual, TW6 (mg/L) | 8760 | 0.30 | 2.21 |
| Free Chlorine Residual, TW7 (mg/L) | 8760 | 0.55 | 2.10 |
| Free Chlorine Residual, TW8 (mg/L) | 8760 | 0.55 | 2.10 |
| Distribution Water | | | |
| Free Chlorine Residual, DW (mg/L) | 366 | 0.72 | 1.50 |

NOTE: For continuous monitors, 8760 is used as the number of samples.

*Well 1 was offline from October 2019 until further notice

*Well 3 was offline from April 2020 until further notice

**Blip occurred during electrolyte replacement in chlorine probe

Table 3. Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

| Date of legal instrument issued | Parameter | Date Sampled | Result | Unit of Measure |
|---------------------------------|-----------|--------------|--------|-----------------|
| <i>Not Applicable</i> | | | | |

Table 4. Summary of Inorganic parameters tested during this reporting period or most recent sample results

| Treated Water | Sample Date (yyyy/mm/dd) | Sample Result | MAC | No. of Exceedances | |
|---------------------------|--------------------------|---------------|------|--------------------|---------|
| | | | | MAC | 1/2 MAC |
| Antimony: Sb (ug/L) - TW1 | 2020/08/12 | 0.11 | 6.0 | No | No |
| Antimony: Sb (ug/L) - TW3 | 2019/01/08 | 0.03 | 6.0 | No | No |
| Antimony: Sb (ug/L) - TW5 | 2019/01/08 | 0.08 | 6.0 | No | No |
| Antimony: Sb (ug/L) - TW6 | 2019/01/08 | 0.1 | 6.0 | No | No |
| Antimony: Sb (ug/L) - TW7 | 2019/01/08 | 0.26 | 6.0 | No | No |
| Antimony: Sb (ug/L) - TW8 | 2019/01/08 | 0.24 | 6.0 | No | No |
| Arsenic: As (ug/L) - TW1 | 2020/10/06 | 5.7 | 10.0 | No | Yes |
| Arsenic: As (ug/L) - TW3 | 2020/01/14 | 9.4 | 10.0 | No | Yes |
| Arsenic: As (ug/L) - TW5 | 2020/10/06 | 7.2 | 10.0 | No | Yes |
| Arsenic: As (ug/L) - TW6 | 2020/10/06 | 5.7 | 10.0 | No | Yes |
| Arsenic: As (ug/L) - TW7 | 2020/10/06 | 0.5 | 10.0 | No | No |

| | | | | | |
|---------------------------|------------|------------|--------|----|----|
| Arsenic: As (ug/L) - TW8 | 2020/10/06 | 0.7 | 10.0 | No | No |
| Barium: Ba (ug/L) - TW1 | 2020/08/12 | 107.0 | 1000.0 | No | No |
| Barium: Ba (ug/L) - TW3 | 2019/01/08 | 130.0 | 1000.0 | No | No |
| Barium: Ba (ug/L) - TW5 | 2019/01/08 | 76.1 | 1000.0 | No | No |
| Barium: Ba (ug/L) - TW6 | 2019/01/08 | 73.4 | 1000.0 | No | No |
| Barium: Ba (ug/L) - TW7 | 2019/01/08 | 15.7 | 1000.0 | No | No |
| Barium: Ba (ug/L) - TW8 | 2019/01/08 | 16.3 | 1000.0 | No | No |
| Boron: B (ug/L) - TW1 | 2020/08/12 | 28.0 | 5000.0 | No | No |
| Boron: B (ug/L) - TW3 | 2019/01/08 | 29.0 | 5000.0 | No | No |
| Boron: B (ug/L) - TW5 | 2019/01/08 | 19.0 | 5000.0 | No | No |
| Boron: B (ug/L) - TW6 | 2019/01/08 | 18.0 | 5000.0 | No | No |
| Boron: B (ug/L) - TW7 | 2019/01/08 | 5.0 | 5000.0 | No | No |
| Boron: B (ug/L) - TW8 | 2019/01/08 | 6.0 | 5000.0 | No | No |
| Cadmium: Cd (ug/L) - TW1 | 2020/08/12 | 0.018 | 5.0 | No | No |
| Cadmium: Cd (ug/L) - TW3 | 2019/01/08 | <MDL 0.003 | 5.0 | No | No |
| Cadmium: Cd (ug/L) - TW5 | 2019/01/08 | 0.011 | 5.0 | No | No |
| Cadmium: Cd (ug/L) - TW6 | 2019/01/08 | 0.004 | 5.0 | No | No |
| Cadmium: Cd (ug/L) - TW7 | 2019/01/08 | 0.012 | 5.0 | No | No |
| Cadmium: Cd (ug/L) - TW8 | 2019/01/08 | 0.015 | 5.0 | No | No |
| Chromium: Cr (ug/L) - TW1 | 2020/08/12 | 0.13 | 50.0 | No | No |
| Chromium: Cr (ug/L) - TW3 | 2019/01/08 | 0.1 | 50.0 | No | No |
| Chromium: Cr (ug/L) - TW5 | 2019/01/08 | 0.07 | 50.0 | No | No |
| Chromium: Cr (ug/L) - TW6 | 2019/01/08 | 0.07 | 50.0 | No | No |
| Chromium: Cr (ug/L) - TW7 | 2019/01/08 | 0.07 | 50.0 | No | No |
| Chromium: Cr (ug/L) - TW8 | 2019/01/08 | 0.08 | 50.0 | No | No |
| Mercury: Hg (ug/L) - TW1 | 2020/08/12 | <MDL 0.01 | 1.0 | No | No |
| Mercury: Hg (ug/L) - TW3 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Mercury: Hg (ug/L) - TW5 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Mercury: Hg (ug/L) - TW6 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Mercury: Hg (ug/L) - TW7 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Mercury: Hg (ug/L) - TW8 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Selenium: Se (ug/L) - TW1 | 2020/08/12 | 0.17 | 50.0 | No | No |
| Selenium: Se (ug/L) - TW3 | 2019/01/08 | <MDL 0.04 | 50.0 | No | No |
| Selenium: Se (ug/L) - TW5 | 2019/01/08 | 0.17 | 50.0 | No | No |
| Selenium: Se (ug/L) - TW6 | 2019/01/08 | 0.2 | 50.0 | No | No |
| Selenium: Se (ug/L) - TW7 | 2019/01/08 | 0.57 | 50.0 | No | No |
| Selenium: Se (ug/L) - TW8 | 2019/01/08 | 0.52 | 50.0 | No | No |
| Uranium: U (ug/L) - TW1 | 2020/08/12 | 0.806 | 20.0 | No | No |
| Uranium: U (ug/L) - TW3 | 2019/01/08 | 0.432 | 20.0 | No | No |
| Uranium: U (ug/L) - TW5 | 2019/01/08 | 0.588 | 20.0 | No | No |
| Uranium: U (ug/L) - TW6 | 2019/01/08 | 0.578 | 20.0 | No | No |

| | | | | | |
|------------------------------|------------|------------|------|----|-----|
| Uranium: U (ug/L) - TW7 | 2019/01/08 | 0.765 | 20.0 | No | No |
| Uranium: U (ug/L) - TW8 | 2019/01/08 | 0.683 | 20.0 | No | No |
| Additional Inorganics | | | | | |
| Fluoride (mg/L) - TW1 | 2018/02/14 | 1.05 | 1.5 | No | Yes |
| Fluoride (mg/L) - TW3 | 2018/02/14 | 1.1 | 1.5 | No | Yes |
| Fluoride (mg/L) - TW5 | 2018/02/14 | 1.2 | 1.5 | No | Yes |
| Fluoride (mg/L) - TW6 | 2018/02/14 | 1.12 | 1.5 | No | Yes |
| Fluoride (mg/L) - TW7 | 2018/02/14 | 0.16 | 1.5 | No | No |
| Fluoride (mg/L) - TW8 | 2018/02/14 | 0.14 | 1.5 | No | No |
| Nitrite (mg/L) - TW1 | n/a | n/a | 1.0 | No | No |
| Nitrite (mg/L) - TW1 | n/a | n/a | 1.0 | No | No |
| Nitrite (mg/L) - TW1 | 2020/08/12 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW1 | 2020/10/06 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW3 | 2020/01/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW3 | n/a | n/a | 1.0 | No | No |
| Nitrite (mg/L) - TW3 | n/a | n/a | 1.0 | No | No |
| Nitrite (mg/L) - TW3 | n/a | n/a | 1.0 | No | No |
| Nitrite (mg/L) - TW5 | 2020/01/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW5 | 2020/04/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW5 | 2020/07/08 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW5 | 2020/10/06 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW6 | 2020/01/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW6 | 2020/04/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW6 | 2020/07/08 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW6 | 2020/10/06 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW7 | 2020/01/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW7 | 2020/04/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW7 | 2020/07/08 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW7 | 2020/10/06 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW8 | 2020/01/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW8 | 2020/04/14 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW8 | 2020/07/08 | <MDL 0.003 | 1.0 | No | No |
| Nitrite (mg/L) - TW8 | 2020/10/06 | <MDL 0.003 | 1.0 | No | No |
| Nitrate (mg/L) - TW1 | n/a | n/a | 10.0 | No | No |
| Nitrate (mg/L) - TW1 | n/a | n/a | 10.0 | No | No |
| Nitrate (mg/L) - TW1 | 2020/08/12 | 0.17 | 10.0 | No | No |
| Nitrate (mg/L) - TW1 | 2020/10/06 | 0.281 | 10.0 | No | No |
| Nitrate (mg/L) - TW3 | 2020/01/14 | 0.016 | 10.0 | No | No |
| Nitrate (mg/L) - TW3 | n/a | n/a | 10.0 | No | No |
| Nitrate (mg/L) - TW3 | n/a | n/a | 10.0 | No | No |
| Nitrate (mg/L) - TW3 | n/a | n/a | 10.0 | No | No |

| | | | | | |
|-------------------------|------------|------------|------|-----|-----|
| Nitrate (mg/L) - TW5 | 2020/01/14 | <MDL 0.006 | 10.0 | No | No |
| Nitrate (mg/L) - TW5 | 2020/04/14 | <MDL 0.006 | 10.0 | No | No |
| Nitrate (mg/L) - TW5 | 2020/07/08 | <MDL 0.006 | 10.0 | No | No |
| Nitrate (mg/L) - TW5 | 2020/10/06 | <MDL 0.006 | 10.0 | No | No |
| Nitrate (mg/L) - TW6 | 2020/01/14 | <MDL 0.006 | 10.0 | No | No |
| Nitrate (mg/L) - TW6 | 2020/04/14 | <MDL 0.006 | 10.0 | No | No |
| Nitrate (mg/L) - TW6 | 2020/07/08 | <MDL 0.006 | 10.0 | No | No |
| Nitrate (mg/L) - TW6 | 2020/10/06 | <MDL 0.006 | 10.0 | No | No |
| Nitrate (mg/L) - TW7 | 2020/01/14 | 0.968 | 10.0 | No | No |
| Nitrate (mg/L) - TW7 | 2020/04/14 | 1.01 | 10.0 | No | No |
| Nitrate (mg/L) - TW7 | 2020/07/08 | 1.15 | 10.0 | No | No |
| Nitrate (mg/L) - TW7 | 2020/10/06 | 1.35 | 10.0 | No | No |
| Nitrate (mg/L) - TW8 | 2020/01/14 | 0.801 | 10.0 | No | No |
| Nitrate (mg/L) - TW8 | 2020/04/14 | 0.83 | 10.0 | No | No |
| Nitrate (mg/L) - TW8 | 2020/07/08 | 1.0 | 10.0 | No | No |
| Nitrate (mg/L) - TW8 | 2020/10/06 | 0.914 | 10.0 | No | No |
| Sodium: Na (mg/L) - TW1 | 2018/02/22 | 105.0 | 20* | Yes | Yes |
| Sodium: Na (mg/L) - TW3 | 2018/02/14 | 12.7 | 20* | No | Yes |
| Sodium: Na (mg/L) - TW5 | 2018/02/14 | 11.9 | 20* | No | Yes |
| Sodium: Na (mg/L) - TW6 | 2018/02/14 | 13.0 | 20* | No | Yes |
| Sodium: Na (mg/L) - TW7 | 2018/02/14 | 2.11 | 20* | No | No |
| Sodium: Na (mg/L) - TW8 | 2018/02/14 | 2.02 | 20* | No | No |

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health was notified when the sodium concentration exceeded 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 (applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

| Location Type | Number of Samples | Range of Results | | MAC | Number of Exceedances |
|------------------------------------|-------------------|------------------|---------|-----|-----------------------|
| | | Minimum | Maximum | | |
| Distribution - Lead Results (µg/L) | 6 | 0.20 | 0.37 | 10 | 0 |
| Distribution - Alkalinity (mg/L) | 6 | 214 | 219 | n/a | n/a |
| DW location - pH In-House | 6 | 7.21 | 7.63 | n/a | n/a |

The Shelburne Drinking Water Systems qualifies for plumbing exemption.

Table 6. Summary of Organic parameters sampled during this reporting period or the most recent sample results

| TREATED WATER | Sample Date (yyyy/mm/dd) | Sample Result | MAC | Number of Exceedances | |
|-----------------------|--------------------------|---------------|-----|-----------------------|---------|
| | | | | MAC | 1/2 MAC |
| Alachlor (ug/L) - TW1 | 2020/08/12 | <MDL 0.02 | 5.0 | No | No |

| | | | | | |
|---|------------|------------|------|----|----|
| Alachlor (ug/L) - TW3 | 2019/01/08 | <MDL 0.02 | 5.0 | No | No |
| Alachlor (ug/L) - TW5 | 2019/01/08 | <MDL 0.02 | 5.0 | No | No |
| Alachlor (ug/L) - TW6 | 2019/01/08 | <MDL 0.02 | 5.0 | No | No |
| Alachlor (ug/L) - TW7 | 2019/01/08 | <MDL 0.02 | 5.0 | No | No |
| Alachlor (ug/L) - TW8 | 2019/01/08 | <MDL 0.02 | 5.0 | No | No |
| Atrazine + N-dealkylated metabolites (ug/L) - TW1 | 2020/08/12 | <MDL 0.01 | 5.0 | No | No |
| Atrazine + N-dealkylated metabolites (ug/L) - TW3 | 2019/01/08 | <MDL 0.01 | 5.0 | No | No |
| Atrazine + N-dealkylated metabolites (ug/L) - TW5 | 2019/01/08 | <MDL 0.01 | 5.0 | No | No |
| Atrazine + N-dealkylated metabolites (ug/L) - TW6 | 2019/01/08 | <MDL 0.01 | 5.0 | No | No |
| Atrazine + N-dealkylated metabolites (ug/L) - TW7 | 2019/01/08 | <MDL 0.01 | 5.0 | No | No |
| Atrazine + N-dealkylated metabolites (ug/L) - TW8 | 2019/01/08 | <MDL 0.01 | 5.0 | No | No |
| Azinphos-methyl (ug/L) - TW1 | 2020/08/12 | <MDL 0.05 | 20.0 | No | No |
| Azinphos-methyl (ug/L) - TW3 | 2019/01/08 | <MDL 0.05 | 20.0 | No | No |
| Azinphos-methyl (ug/L) - TW5 | 2019/01/08 | <MDL 0.05 | 20.0 | No | No |
| Azinphos-methyl (ug/L) - TW6 | 2019/01/08 | <MDL 0.05 | 20.0 | No | No |
| Azinphos-methyl (ug/L) - TW7 | 2019/01/08 | <MDL 0.05 | 20.0 | No | No |
| Azinphos-methyl (ug/L) - TW8 | 2019/01/08 | <MDL 0.05 | 20.0 | No | No |
| Benzene (ug/L) - TW1 | 2020/08/12 | <MDL 0.32 | 1.0 | No | No |
| Benzene (ug/L) - TW3 | 2019/01/08 | <MDL 0.32 | 1.0 | No | No |
| Benzene (ug/L) - TW5 | 2019/01/08 | <MDL 0.32 | 1.0 | No | No |
| Benzene (ug/L) - TW6 | 2019/01/08 | <MDL 0.32 | 1.0 | No | No |
| Benzene (ug/L) - TW7 | 2019/01/08 | <MDL 0.32 | 1.0 | No | No |
| Benzene (ug/L) - TW8 | 2019/01/08 | <MDL 0.32 | 1.0 | No | No |
| Benzo(a)pyrene (ug/L) - TW1 | 2020/08/12 | <MDL 0.004 | 0.01 | No | No |
| Benzo(a)pyrene (ug/L) - TW3 | 2019/01/08 | <MDL 0.004 | 0.01 | No | No |
| Benzo(a)pyrene (ug/L) - TW5 | 2019/01/08 | <MDL 0.004 | 0.01 | No | No |
| Benzo(a)pyrene (ug/L) - TW6 | 2019/01/08 | <MDL 0.004 | 0.01 | No | No |
| Benzo(a)pyrene (ug/L) - TW7 | 2019/01/08 | <MDL 0.004 | 0.01 | No | No |
| Benzo(a)pyrene (ug/L) - TW8 | 2019/01/08 | <MDL 0.004 | 0.01 | No | No |
| Bromoxynil (ug/L) - TW1 | 2020/08/12 | <MDL 0.33 | 5.0 | No | No |
| Bromoxynil (ug/L) - TW3 | 2019/01/08 | <MDL 0.33 | 5.0 | No | No |
| Bromoxynil (ug/L) - TW5 | 2019/01/08 | <MDL 0.33 | 5.0 | No | No |
| Bromoxynil (ug/L) - TW6 | 2019/01/08 | <MDL 0.33 | 5.0 | No | No |
| Bromoxynil (ug/L) - TW7 | 2019/01/08 | <MDL 0.33 | 5.0 | No | No |
| Bromoxynil (ug/L) - TW8 | 2019/01/08 | <MDL 0.33 | 5.0 | No | No |
| Carbaryl (ug/L) - TW1 | 2020/08/12 | <MDL 0.05 | 90.0 | No | No |
| Carbaryl (ug/L) - TW3 | 2019/01/08 | <MDL 0.05 | 90.0 | No | No |
| Carbaryl (ug/L) - TW5 | 2019/01/08 | <MDL 0.05 | 90.0 | No | No |
| Carbaryl (ug/L) - TW6 | 2019/01/08 | <MDL 0.05 | 90.0 | No | No |
| Carbaryl (ug/L) - TW7 | 2019/01/08 | <MDL 0.05 | 90.0 | No | No |
| Carbaryl (ug/L) - TW8 | 2019/01/08 | <MDL 0.05 | 90.0 | No | No |

| | | | | | |
|-----------------------------------|------------|-----------|-------|----|----|
| Carbofuran (ug/L) - TW1 | 2020/08/12 | <MDL 0.01 | 90.0 | No | No |
| Carbofuran (ug/L) - TW3 | 2019/01/08 | <MDL 0.01 | 90.0 | No | No |
| Carbofuran (ug/L) - TW5 | 2019/01/08 | <MDL 0.01 | 90.0 | No | No |
| Carbofuran (ug/L) - TW6 | 2019/01/08 | <MDL 0.01 | 90.0 | No | No |
| Carbofuran (ug/L) - TW7 | 2019/01/08 | <MDL 0.01 | 90.0 | No | No |
| Carbofuran (ug/L) - TW8 | 2019/01/08 | <MDL 0.01 | 90.0 | No | No |
| Carbon Tetrachloride (ug/L) - TW1 | 2020/08/12 | <MDL 0.17 | 2.0 | No | No |
| Carbon Tetrachloride (ug/L) - TW3 | 2019/01/08 | <MDL 0.16 | 2.0 | No | No |
| Carbon Tetrachloride (ug/L) - TW5 | 2019/01/08 | <MDL 0.16 | 2.0 | No | No |
| Carbon Tetrachloride (ug/L) - TW6 | 2019/01/08 | <MDL 0.16 | 2.0 | No | No |
| Carbon Tetrachloride (ug/L) - TW7 | 2019/01/08 | <MDL 0.16 | 2.0 | No | No |
| Carbon Tetrachloride (ug/L) - TW8 | 2019/01/08 | <MDL 0.16 | 2.0 | No | No |
| Chlorpyrifos (ug/L) - TW1 | 2020/08/12 | <MDL 0.02 | 90.0 | No | No |
| Chlorpyrifos (ug/L) - TW3 | 2019/01/08 | <MDL 0.02 | 90.0 | No | No |
| Chlorpyrifos (ug/L) - TW5 | 2019/01/08 | <MDL 0.02 | 90.0 | No | No |
| Chlorpyrifos (ug/L) - TW6 | 2019/01/08 | <MDL 0.02 | 90.0 | No | No |
| Chlorpyrifos (ug/L) - TW7 | 2019/01/08 | <MDL 0.02 | 90.0 | No | No |
| Chlorpyrifos (ug/L) - TW8 | 2019/01/08 | <MDL 0.02 | 90.0 | No | No |
| Diazinon (ug/L) - TW1 | 2020/08/12 | <MDL 0.02 | 20.0 | No | No |
| Diazinon (ug/L) - TW3 | 2019/01/08 | <MDL 0.02 | 20.0 | No | No |
| Diazinon (ug/L) - TW5 | 2019/01/08 | <MDL 0.02 | 20.0 | No | No |
| Diazinon (ug/L) - TW6 | 2019/01/08 | <MDL 0.02 | 20.0 | No | No |
| Diazinon (ug/L) - TW7 | 2019/01/08 | <MDL 0.02 | 20.0 | No | No |
| Diazinon (ug/L) - TW8 | 2019/01/08 | <MDL 0.02 | 20.0 | No | No |
| Dicamba (ug/L) - TW1 | 2020/08/12 | <MDL 0.2 | 120.0 | No | No |
| Dicamba (ug/L) - TW3 | 2019/01/08 | <MDL 0.2 | 120.0 | No | No |
| Dicamba (ug/L) - TW5 | 2019/01/08 | <MDL 0.2 | 120.0 | No | No |
| Dicamba (ug/L) - TW6 | 2019/01/08 | <MDL 0.2 | 120.0 | No | No |
| Dicamba (ug/L) - TW7 | 2019/01/08 | <MDL 0.2 | 120.0 | No | No |
| Dicamba (ug/L) - TW8 | 2019/01/08 | <MDL 0.2 | 120.0 | No | No |
| 1,2-Dichlorobenzene (ug/L) - TW1 | 2020/08/12 | <MDL 0.41 | 200.0 | No | No |
| 1,2-Dichlorobenzene (ug/L) - TW3 | 2019/01/08 | <MDL 0.41 | 200.0 | No | No |
| 1,2-Dichlorobenzene (ug/L) - TW5 | 2019/01/08 | <MDL 0.41 | 200.0 | No | No |
| 1,2-Dichlorobenzene (ug/L) - TW6 | 2019/01/08 | <MDL 0.41 | 200.0 | No | No |
| 1,2-Dichlorobenzene (ug/L) - TW7 | 2019/01/08 | <MDL 0.41 | 200.0 | No | No |
| 1,2-Dichlorobenzene (ug/L) - TW8 | 2019/01/08 | <MDL 0.41 | 200.0 | No | No |
| 1,4-Dichlorobenzene (ug/L) - TW1 | 2020/08/12 | <MDL 0.36 | 5.0 | No | No |
| 1,4-Dichlorobenzene (ug/L) - TW3 | 2019/01/08 | <MDL 0.36 | 5.0 | No | No |
| 1,4-Dichlorobenzene (ug/L) - TW5 | 2019/01/08 | <MDL 0.36 | 5.0 | No | No |
| 1,4-Dichlorobenzene (ug/L) - TW6 | 2019/01/08 | <MDL 0.36 | 5.0 | No | No |
| 1,4-Dichlorobenzene (ug/L) - TW7 | 2019/01/08 | <MDL 0.36 | 5.0 | No | No |

| | | | | | |
|--|------------|-----------|-------|----|----|
| 1,4-Dichlorobenzene (ug/L) - TW8 | 2019/01/08 | <MDL 0.36 | 5.0 | No | No |
| 1,2-Dichloroethane (ug/L) - TW1 | 2020/08/12 | <MDL 0.35 | 5.0 | No | No |
| 1,2-Dichloroethane (ug/L) - TW3 | 2019/01/08 | <MDL 0.35 | 5.0 | No | No |
| 1,2-Dichloroethane (ug/L) - TW5 | 2019/01/08 | <MDL 0.35 | 5.0 | No | No |
| 1,2-Dichloroethane (ug/L) - TW6 | 2019/01/08 | <MDL 0.35 | 5.0 | No | No |
| 1,2-Dichloroethane (ug/L) - TW7 | 2019/01/08 | <MDL 0.35 | 5.0 | No | No |
| 1,2-Dichloroethane (ug/L) - TW8 | 2019/01/08 | <MDL 0.35 | 5.0 | No | No |
| 1,1-Dichloroethylene (ug/L) - TW1 | 2020/08/12 | <MDL 0.33 | 14.0 | No | No |
| 1,1-Dichloroethylene (ug/L) - TW3 | 2019/01/08 | <MDL 0.33 | 14.0 | No | No |
| 1,1-Dichloroethylene (ug/L) - TW5 | 2019/01/08 | <MDL 0.33 | 14.0 | No | No |
| 1,1-Dichloroethylene (ug/L) - TW6 | 2019/01/08 | <MDL 0.33 | 14.0 | No | No |
| 1,1-Dichloroethylene (ug/L) - TW7 | 2019/01/08 | <MDL 0.33 | 14.0 | No | No |
| 1,1-Dichloroethylene (ug/L) - TW8 | 2019/01/08 | <MDL 0.33 | 14.0 | No | No |
| Dichloromethane (Methylene Chloride) (ug/L) - TW1 | 2020/08/12 | <MDL 0.35 | 50.0 | No | No |
| Dichloromethane (Methylene Chloride) (ug/L) - TW3 | 2019/01/08 | <MDL 0.35 | 50.0 | No | No |
| Dichloromethane (Methylene Chloride) (ug/L) - TW5 | 2019/01/08 | <MDL 0.35 | 50.0 | No | No |
| Dichloromethane (Methylene Chloride) (ug/L) - TW6 | 2019/01/08 | <MDL 0.35 | 50.0 | No | No |
| Dichloromethane (Methylene Chloride) (ug/L) - TW7 | 2019/01/08 | <MDL 0.35 | 50.0 | No | No |
| Dichloromethane (Methylene Chloride) (ug/L) - TW8 | 2019/01/08 | <MDL 0.35 | 50.0 | No | No |
| 2,4-Dichlorophenol (ug/L) - TW1 | 2020/08/12 | <MDL 0.15 | 900.0 | No | No |
| 2,4-Dichlorophenol (ug/L) - TW3 | 2019/01/08 | <MDL 0.15 | 900.0 | No | No |
| 2,4-Dichlorophenol (ug/L) - TW5 | 2019/01/08 | <MDL 0.15 | 900.0 | No | No |
| 2,4-Dichlorophenol (ug/L) - TW6 | 2019/01/08 | <MDL 0.15 | 900.0 | No | No |
| 2,4-Dichlorophenol (ug/L) - TW7 | 2019/01/08 | <MDL 0.15 | 900.0 | No | No |
| 2,4-Dichlorophenol (ug/L) - TW8 | 2019/01/08 | <MDL 0.15 | 900.0 | No | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW1 | 2020/08/12 | <MDL 0.19 | 100.0 | No | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW3 | 2019/01/08 | <MDL 0.19 | 100.0 | No | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW5 | 2019/01/08 | <MDL 0.19 | 100.0 | No | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW6 | 2019/01/08 | <MDL 0.19 | 100.0 | No | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW7 | 2019/01/08 | <MDL 0.19 | 100.0 | No | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW8 | 2019/01/08 | <MDL 0.19 | 100.0 | No | No |
| Diclofop-methyl (ug/L) - TW1 | 2020/08/12 | <MDL 0.4 | 9.0 | No | No |
| Diclofop-methyl (ug/L) - TW3 | 2019/01/08 | <MDL 0.4 | 9.0 | No | No |
| Diclofop-methyl (ug/L) - TW5 | 2019/01/08 | <MDL 0.4 | 9.0 | No | No |
| Diclofop-methyl (ug/L) - TW6 | 2019/01/08 | <MDL 0.4 | 9.0 | No | No |
| Diclofop-methyl (ug/L) - TW7 | 2019/01/08 | <MDL 0.4 | 9.0 | No | No |
| Diclofop-methyl (ug/L) - TW8 | 2019/01/08 | <MDL 0.4 | 9.0 | No | No |
| Dimethoate (ug/L) - TW1 | 2020/08/12 | <MDL 0.06 | 20.0 | No | No |
| Dimethoate (ug/L) - TW3 | 2019/01/08 | <MDL 0.06 | 20.0 | No | No |
| Dimethoate (ug/L) - TW5 | 2019/01/08 | <MDL 0.06 | 20.0 | No | No |
| Dimethoate (ug/L) - TW6 | 2019/01/08 | <MDL 0.06 | 20.0 | No | No |

| | | | | | |
|--|------------|-----------|-------|----|----|
| Dimethoate (µg/L) - TW7 | 2019/01/08 | <MDL 0.06 | 20.0 | No | No |
| Dimethoate (µg/L) - TW8 | 2019/01/08 | <MDL 0.06 | 20.0 | No | No |
| Diquat (µg/L) - TW1 | 2020/08/12 | <MDL 1.0 | 70.0 | No | No |
| Diquat (µg/L) - TW3 | 2019/01/08 | <MDL 1.0 | 70.0 | No | No |
| Diquat (µg/L) - TW5 | 2019/01/08 | <MDL 1.0 | 70.0 | No | No |
| Diquat (µg/L) - TW6 | 2019/01/08 | <MDL 1.0 | 70.0 | No | No |
| Diquat (µg/L) - TW7 | 2019/01/08 | <MDL 1.0 | 70.0 | No | No |
| Diquat (µg/L) - TW8 | 2019/01/08 | <MDL 1.0 | 70.0 | No | No |
| Diuron (µg/L) - TW1 | 2020/08/12 | <MDL 0.03 | 150.0 | No | No |
| Diuron (µg/L) - TW3 | 2019/01/08 | <MDL 0.03 | 150.0 | No | No |
| Diuron (µg/L) - TW5 | 2019/01/08 | <MDL 0.03 | 150.0 | No | No |
| Diuron (µg/L) - TW6 | 2019/01/08 | <MDL 0.03 | 150.0 | No | No |
| Diuron (µg/L) - TW7 | 2019/01/08 | <MDL 0.03 | 150.0 | No | No |
| Diuron (µg/L) - TW8 | 2019/01/08 | <MDL 0.03 | 150.0 | No | No |
| Glyphosate (µg/L) - TW1 | 2020/08/12 | <MDL 1.0 | 280.0 | No | No |
| Glyphosate (µg/L) - TW3 | 2019/01/08 | <MDL 1.0 | 280.0 | No | No |
| Glyphosate (µg/L) - TW5 | 2019/01/08 | <MDL 1.0 | 280.0 | No | No |
| Glyphosate (µg/L) - TW6 | 2019/01/08 | <MDL 1.0 | 280.0 | No | No |
| Glyphosate (µg/L) - TW7 | 2019/01/08 | <MDL 1.0 | 280.0 | No | No |
| Glyphosate (µg/L) - TW8 | 2019/01/08 | <MDL 1.0 | 280.0 | No | No |
| Malathion (µg/L) - TW1 | 2020/08/12 | <MDL 0.02 | 190.0 | No | No |
| Malathion (µg/L) - TW3 | 2019/01/08 | <MDL 0.02 | 190.0 | No | No |
| Malathion (µg/L) - TW5 | 2019/01/08 | <MDL 0.02 | 190.0 | No | No |
| Malathion (µg/L) - TW6 | 2019/01/08 | <MDL 0.02 | 190.0 | No | No |
| Malathion (µg/L) - TW7 | 2019/01/08 | <MDL 0.02 | 190.0 | No | No |
| Malathion (µg/L) - TW8 | 2019/01/08 | <MDL 0.02 | 190.0 | No | No |
| Metolachlor (µg/L) - TW1 | 2020/08/12 | <MDL 0.01 | 50.0 | No | No |
| Metolachlor (µg/L) - TW3 | 2019/01/08 | <MDL 0.01 | 50.0 | No | No |
| Metolachlor (µg/L) - TW5 | 2019/01/08 | <MDL 0.01 | 50.0 | No | No |
| Metolachlor (µg/L) - TW6 | 2019/01/08 | <MDL 0.01 | 50.0 | No | No |
| Metolachlor (µg/L) - TW7 | 2019/01/08 | <MDL 0.01 | 50.0 | No | No |
| Metolachlor (µg/L) - TW8 | 2019/01/08 | <MDL 0.01 | 50.0 | No | No |
| Metribuzin (µg/L) - TW1 | 2020/08/12 | <MDL 0.02 | 80.0 | No | No |
| Metribuzin (µg/L) - TW3 | 2019/01/08 | <MDL 0.02 | 80.0 | No | No |
| Metribuzin (µg/L) - TW5 | 2019/01/08 | <MDL 0.02 | 80.0 | No | No |
| Metribuzin (µg/L) - TW6 | 2019/01/08 | <MDL 0.02 | 80.0 | No | No |
| Metribuzin (µg/L) - TW7 | 2019/01/08 | <MDL 0.02 | 80.0 | No | No |
| Metribuzin (µg/L) - TW8 | 2019/01/08 | <MDL 0.02 | 80.0 | No | No |
| Monochlorobenzene (Chlorobenzene) (µg/L) - TW1 | 2020/08/12 | <MDL 0.3 | 80.0 | No | No |
| Monochlorobenzene (Chlorobenzene) (µg/L) - TW3 | 2019/01/08 | <MDL 0.3 | 80.0 | No | No |
| Monochlorobenzene (Chlorobenzene) (µg/L) - TW5 | 2019/01/08 | <MDL 0.3 | 80.0 | No | No |

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|--|------------|-----------|-------|----|----|
| Monochlorobenzene (Chlorobenzene) (µg/L) - TW6 | 2019/01/08 | <MDL 0.3 | 80.0 | No | No |
| Monochlorobenzene (Chlorobenzene) (µg/L) - TW7 | 2019/01/08 | <MDL 0.3 | 80.0 | No | No |
| Monochlorobenzene (Chlorobenzene) (µg/L) - TW8 | 2019/01/08 | <MDL 0.3 | 80.0 | No | No |
| Paraquat (µg/L) - TW1 | 2020/08/12 | <MDL 1.0 | 10.0 | No | No |
| Paraquat (µg/L) - TW3 | 2019/01/08 | <MDL 1.0 | 10.0 | No | No |
| Paraquat (µg/L) - TW5 | 2019/01/08 | <MDL 1.0 | 10.0 | No | No |
| Paraquat (µg/L) - TW6 | 2019/01/08 | <MDL 1.0 | 10.0 | No | No |
| Paraquat (µg/L) - TW7 | 2019/01/08 | <MDL 1.0 | 10.0 | No | No |
| Paraquat (µg/L) - TW8 | 2019/01/08 | <MDL 1.0 | 10.0 | No | No |
| PCB (µg/L) - TW1 | 2020/08/12 | <MDL 0.04 | 3.0 | No | No |
| PCB (µg/L) - TW3 | 2019/01/08 | <MDL 0.04 | 3.0 | No | No |
| PCB (µg/L) - TW5 | 2019/01/08 | <MDL 0.04 | 3.0 | No | No |
| PCB (µg/L) - TW6 | 2019/01/08 | <MDL 0.04 | 3.0 | No | No |
| PCB (µg/L) - TW7 | 2019/01/08 | <MDL 0.04 | 3.0 | No | No |
| PCB (µg/L) - TW8 | 2019/01/08 | <MDL 0.04 | 3.0 | No | No |
| Pentachlorophenol (µg/L) - TW1 | 2020/08/12 | <MDL 0.15 | 60.0 | No | No |
| Pentachlorophenol (µg/L) - TW3 | 2019/01/08 | <MDL 0.15 | 60.0 | No | No |
| Pentachlorophenol (µg/L) - TW5 | 2019/01/08 | <MDL 0.15 | 60.0 | No | No |
| Pentachlorophenol (µg/L) - TW6 | 2019/01/08 | <MDL 0.15 | 60.0 | No | No |
| Pentachlorophenol (µg/L) - TW7 | 2019/01/08 | <MDL 0.15 | 60.0 | No | No |
| Pentachlorophenol (µg/L) - TW8 | 2019/01/08 | <MDL 0.15 | 60.0 | No | No |
| Phorate (µg/L) - TW1 | 2020/08/12 | <MDL 0.01 | 2.0 | No | No |
| Phorate (µg/L) - TW3 | 2019/01/08 | <MDL 0.01 | 2.0 | No | No |
| Phorate (µg/L) - TW5 | 2019/01/08 | <MDL 0.01 | 2.0 | No | No |
| Phorate (µg/L) - TW6 | 2019/01/08 | <MDL 0.01 | 2.0 | No | No |
| Phorate (µg/L) - TW7 | 2019/01/08 | <MDL 0.01 | 2.0 | No | No |
| Phorate (µg/L) - TW8 | 2019/01/08 | <MDL 0.01 | 2.0 | No | No |
| Picloram (µg/L) - TW1 | 2020/08/12 | <MDL 1.0 | 190.0 | No | No |
| Picloram (µg/L) - TW3 | 2019/01/08 | <MDL 1.0 | 190.0 | No | No |
| Picloram (µg/L) - TW5 | 2019/01/08 | <MDL 1.0 | 190.0 | No | No |
| Picloram (µg/L) - TW6 | 2019/01/08 | <MDL 1.0 | 190.0 | No | No |
| Picloram (µg/L) - TW7 | 2019/01/08 | <MDL 1.0 | 190.0 | No | No |
| Picloram (µg/L) - TW8 | 2019/01/08 | <MDL 1.0 | 190.0 | No | No |
| Prometryne (µg/L) - TW1 | 2020/08/12 | <MDL 0.03 | 1.0 | No | No |
| Prometryne (µg/L) - TW3 | 2019/01/08 | <MDL 0.03 | 1.0 | No | No |
| Prometryne (µg/L) - TW5 | 2019/01/08 | <MDL 0.03 | 1.0 | No | No |
| Prometryne (µg/L) - TW6 | 2019/01/08 | <MDL 0.03 | 1.0 | No | No |
| Prometryne (µg/L) - TW7 | 2019/01/08 | <MDL 0.03 | 1.0 | No | No |
| Prometryne (µg/L) - TW8 | 2019/01/08 | <MDL 0.03 | 1.0 | No | No |
| Simazine (µg/L) - TW1 | 2020/08/12 | <MDL 0.01 | 10.0 | No | No |
| Simazine (µg/L) - TW3 | 2019/01/08 | <MDL 0.01 | 10.0 | No | No |

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|---|------------|-----------|-------|----|----|
| Simazine (µg/L) - TW5 | 2019/01/08 | <MDL 0.01 | 10.0 | No | No |
| Simazine (µg/L) - TW6 | 2019/01/08 | <MDL 0.01 | 10.0 | No | No |
| Simazine (µg/L) - TW7 | 2019/01/08 | <MDL 0.01 | 10.0 | No | No |
| Simazine (µg/L) - TW8 | 2019/01/08 | <MDL 0.01 | 10.0 | No | No |
| Terbufos (µg/L) - TW1 | 2020/08/12 | <MDL 0.01 | 1.0 | No | No |
| Terbufos (µg/L) - TW3 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Terbufos (µg/L) - TW5 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Terbufos (µg/L) - TW6 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Terbufos (µg/L) - TW7 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Terbufos (µg/L) - TW8 | 2019/01/08 | <MDL 0.01 | 1.0 | No | No |
| Tetrachloroethylene (µg/L) - TW1 | 2020/08/12 | <MDL 0.35 | 10.0 | No | No |
| Tetrachloroethylene (µg/L) - TW3 | 2019/01/08 | <MDL 0.35 | 10.0 | No | No |
| Tetrachloroethylene (µg/L) - TW5 | 2019/01/08 | <MDL 0.35 | 10.0 | No | No |
| Tetrachloroethylene (µg/L) - TW6 | 2019/01/08 | <MDL 0.35 | 10.0 | No | No |
| Tetrachloroethylene (µg/L) - TW7 | 2019/01/08 | <MDL 0.35 | 10.0 | No | No |
| Tetrachloroethylene (µg/L) - TW8 | 2019/01/08 | <MDL 0.35 | 10.0 | No | No |
| 2,3,4,6-Tetrachlorophenol (µg/L) - TW1 | 2020/08/12 | <MDL 0.2 | 100.0 | No | No |
| 2,3,4,6-Tetrachlorophenol (µg/L) - TW3 | 2019/01/08 | <MDL 0.2 | 100.0 | No | No |
| 2,3,4,6-Tetrachlorophenol (µg/L) - TW5 | 2019/01/08 | <MDL 0.2 | 100.0 | No | No |
| 2,3,4,6-Tetrachlorophenol (µg/L) - TW6 | 2019/01/08 | <MDL 0.2 | 100.0 | No | No |
| 2,3,4,6-Tetrachlorophenol (µg/L) - TW7 | 2019/01/08 | <MDL 0.2 | 100.0 | No | No |
| 2,3,4,6-Tetrachlorophenol (µg/L) - TW8 | 2019/01/08 | <MDL 0.2 | 100.0 | No | No |
| Triallate (µg/L) - TW1 | 2020/08/12 | <MDL 0.01 | 230.0 | No | No |
| Triallate (µg/L) - TW3 | 2019/01/08 | <MDL 0.01 | 230.0 | No | No |
| Triallate (µg/L) - TW5 | 2019/01/08 | <MDL 0.01 | 230.0 | No | No |
| Triallate (µg/L) - TW6 | 2019/01/08 | <MDL 0.01 | 230.0 | No | No |
| Triallate (µg/L) - TW7 | 2019/01/08 | <MDL 0.01 | 230.0 | No | No |
| Triallate (µg/L) - TW8 | 2019/01/08 | <MDL 0.01 | 230.0 | No | No |
| Trichloroethylene (µg/L) - TW1 | 2020/08/12 | <MDL 0.44 | 5.0 | No | No |
| Trichloroethylene (µg/L) - TW3 | 2019/01/08 | <MDL 0.44 | 5.0 | No | No |
| Trichloroethylene (µg/L) - TW5 | 2019/01/08 | <MDL 0.44 | 5.0 | No | No |
| Trichloroethylene (µg/L) - TW6 | 2019/01/08 | <MDL 0.44 | 5.0 | No | No |
| Trichloroethylene (µg/L) - TW7 | 2019/01/08 | <MDL 0.44 | 5.0 | No | No |
| Trichloroethylene (µg/L) - TW8 | 2019/01/08 | <MDL 0.44 | 5.0 | No | No |
| 2,4,6-Trichlorophenol (µg/L) - TW1 | 2020/08/12 | <MDL 0.25 | 5.0 | No | No |
| 2,4,6-Trichlorophenol (µg/L) - TW3 | 2019/01/08 | <MDL 0.25 | 5.0 | No | No |
| 2,4,6-Trichlorophenol (µg/L) - TW5 | 2019/01/08 | <MDL 0.25 | 5.0 | No | No |
| 2,4,6-Trichlorophenol (µg/L) - TW6 | 2019/01/08 | <MDL 0.25 | 5.0 | No | No |
| 2,4,6-Trichlorophenol (µg/L) - TW7 | 2019/01/08 | <MDL 0.25 | 5.0 | No | No |
| 2,4,6-Trichlorophenol (µg/L) - TW8 | 2019/01/08 | <MDL 0.25 | 5.0 | No | No |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW1 | 2020/08/12 | <MDL 0.12 | 100.0 | No | No |

| | | | | | |
|---|------------------|-----------|-------|----|----|
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW3 | 2019/01/08 | <MDL 0.12 | 100.0 | No | No |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW5 | 2019/01/08 | <MDL 0.12 | 100.0 | No | No |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW6 | 2019/01/08 | <MDL 0.12 | 100.0 | No | No |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW7 | 2019/01/08 | <MDL 0.12 | 100.0 | No | No |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW8 | 2019/01/08 | <MDL 0.12 | 100.0 | No | No |
| Trifluralin (µg/L) - TW1 | 2020/08/12 | <MDL 0.02 | 45.0 | No | No |
| Trifluralin (µg/L) - TW3 | 2019/01/08 | <MDL 0.02 | 45.0 | No | No |
| Trifluralin (µg/L) - TW5 | 2019/01/08 | <MDL 0.02 | 45.0 | No | No |
| Trifluralin (µg/L) - TW6 | 2019/01/08 | <MDL 0.02 | 45.0 | No | No |
| Trifluralin (µg/L) - TW7 | 2019/01/08 | <MDL 0.02 | 45.0 | No | No |
| Trifluralin (µg/L) - TW8 | 2019/01/08 | <MDL 0.02 | 45.0 | No | No |
| Vinyl Chloride (µg/L) - TW1 | 2020/08/12 | <MDL 0.17 | 1.0 | No | No |
| Vinyl Chloride (µg/L) - TW3 | 2019/01/08 | <MDL 0.17 | 1.0 | No | No |
| Vinyl Chloride (µg/L) - TW5 | 2019/01/08 | <MDL 0.17 | 1.0 | No | No |
| Vinyl Chloride (µg/L) - TW6 | 2019/01/08 | <MDL 0.17 | 1.0 | No | No |
| Vinyl Chloride (µg/L) - TW7 | 2019/01/08 | <MDL 0.17 | 1.0 | No | No |
| Vinyl Chloride (µg/L) - TW8 | 2019/01/08 | <MDL 0.17 | 1.0 | No | No |
| Distribution Water | | | | | |
| Trihalomethane: Total (µg/L) Annual Average - DW1 | 2020 (Quarterly) | 2.875 | 100.0 | No | No |
| Trihalomethane: Total (µg/L) Annual Average - DW2 | 2020 (Quarterly) | 3.125 | 100.0 | No | No |
| HAA Total (µg/L) Annual Average - DW1 | 2020 (Quarterly) | 5.3 | 80.0 | No | No |
| HAA Total (µg/L) Annual Average - DW2 | 2020 (Quarterly) | 5.3 | 80.0 | No | No |

Table 7. List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards. (Only if DWS category is large municipal residential, small municipal residential, large municipal non-residential, non-municipal year round residential, large non municipal non-residential)

| Parameter | Result Value | Unit of Measure | Date of Sample |
|---------------------------|--------------|-----------------|----------------|
| Arsenic: As (ug/L) - TW1 | 5.7 | µg/L | 2020/10/06 |
| Arsenic: As (ug/L) - TW3 | 9.4 | µg/L | 2020/01/14 |
| Arsenic: As (ug/L) - TW5* | 7.2 | µg/L | 2020/10/06 |
| Arsenic: As (ug/L) - TW6* | 5.7 | µg/L | 2020/10/06 |
| Fluoride (mg/L) - TW1 | 1.05 | mg/L | 2018/02/14 |
| Fluoride (mg/L) - TW3 | 1.1 | mg/L | 2018/02/14 |
| Fluoride (mg/L) - TW5 | 1.2 | mg/L | 2018/02/14 |
| Fluoride (mg/L) - TW6 | 1.12 | mg/L | 2018/02/14 |

*Well 5 and 6 samples were blended with Well 7 and 8 and sampled at the blended building

The Shelburne Drinking Water System was last inspected by the Ministry of the Environment, Conservation, and Parks on September 15, 2020.