



2024 Annual Drinking Water System Report

Simcoe Drinking Water System

1. Introduction

The Corporation of Norfolk County has prepared this report to satisfy the requirements of Section 11 of Ontario Regulation (O. Reg.) 170/03. This annual report must be prepared no later than February 28 of each year.

This report covers the period from January 1, 2024 to December 31, 2024, and the information provided complies with the reporting requirements of O. Reg. 170/03 Section 11.

A summary of Simcoe's Municipal Drinking Water System is outlined below:

Drinking Water System Number: 220000371

Drinking Water System Name: Simcoe Drinking Water System

Drinking Water System Owner: Corporation of Norfolk County

Drinking Water System Category: Large Municipal Residential

2. Reporting Requirements under Section 11 – O. Reg. 170/03

Section 11 requires that the report include the following information relating to the period covered by the report. This includes:

- A statement of where a report prepared under Schedule 22 will be available for inspection by any member of the public during normal business hours without charge.
- A brief description of the drinking water system, including a list of water treatment chemicals used.
- Any major expenses incurred to install, repair or replace required equipment.



- A summary of any reports made to the Ministry of Environment, Conservation and Parks (MECP) for Adverse Water Quality Incidents (AWQI's).
- A summary of the results of tests performed under O. Reg. 170/03, an approval, the municipal drinking water licence or an order, including an Ontario Water Resources Act (OWRA) order.
- To describe any corrective actions taken

3. Evidence of Compliance

Availability of the Annual Report

In accordance with Section 11 O. Reg. 170/03, a copy of the annual report will be posted for each system by the end of February each year on the Norfolk County web site at norfolkcounty.ca. A Summary Report on regulatory compliance is required annually under Schedule 22 of Regulation 170/03 for each municipal drinking water system. This report summarizes any known failures to meet the requirements of the Safe Drinking Water Act, its duration and corrective measures. The reports are presented to Norfolk County Council for acceptance before March 31st each year. The reports are made available to the public in April on the Norfolk County web site noted above or by request from the Environmental Services Department. A copy of the annual report is available to the public, free of charge at the following locations as well:

12 Gilbertson Drive, Simcoe, Ontario, N3Y 4N5

Description of the Municipal Drinking Water System

The Simcoe water system supplies drinking water to the Community of Simcoe. The drinking water system currently serves a population of approximately 16,100.

The Cedar Street Well Field is located at 396 Cedar Street and consists of five wells, an infiltration gallery, a reservoir and a booster pumping station.

The Northwest drinking water system located on Fourteenth Street is a well-based supply consisting of two groundwater well sources, an iron and manganese removal plant and a reservoir.

The Chapel Street Well located at 260 Chapel Street also provides water to the Community of Simcoe.



The water distribution system includes a 3,400 m3 elevated storage tank, which acts as a reservoir when the system requires larger amounts of water than the wells can supply (such as firefighting and peak flows) and helps to maintain a constant system pressure. There are approximately 570 fire hydrants and approximately 112,000 meters of water main and transmission main ranging in size from 150 mm to 400mm in diameter. The piping material consists of cast iron, Polyvinyl Chloride (PVC) and ductile iron pipe.

Water Treatment Chemicals

The following water treatment chemicals were used during the reporting period:

- Sodium Hypochlorite
- Sodium Silicate
- Hydrofluorosilicic Acid
- Poly Aluminum Chloride
- Sodium Permanganate

Significant Expenses Incurred

A brief summary of the major expenses incurred during the reporting period to install, repair or replace required equipment, and value of each, is included in Table 1.

Table 1 – Summary of Expenses Incurred

Activity	Cost Incurred (2024)
General Operations Maintenance and Repair in Water Treatment Plants and Distribution System	\$251,364
Well Rehabilitations	\$163,700
Cedar Street Building Repairs	\$7,428
Replacement of Watermains	\$860,457

4. Microbiological Testing

E. coli and Total Coliform

As per Schedule 10 of O. Reg. 170/03 – Microbiological Sampling and Testing, bacteriological tests for *E. coli* and total coliforms were performed weekly on the raw and treated water at the facilities and in the distribution system. The results from the



2024 sampling program for the Simcoe Drinking Water System are shown in the table below.

Location	Number of Samples	Range of E.coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)
Raw Cedar St 1	0	Out of Service	Out of Service
Raw Cedar St 2	53	0 – 0	0 – 0
Raw Cedar St 3	53	0 – 0	1 – 1
Raw Cedar St 4	53	0 – 0	0 – 0
Raw Cedar St 5	53	0 – 0	0 - 1
Infiltration Gallery	53	0 – 32	0 - 40
Raw Chapel St	53	0 – 0	0 – 1
Raw NW 2	53	0 – 0	0 – 0
Raw NW 3	53	0 – 0	0 – 1
Cedar Street Reservoir POE	53	0 – 0	0 – 0
Chapel Street Well POE	53	0 – 0	0 – 0
Northwest Reservoir POE	53	0 - 0	0 – 0
Distribution	196	0 - 1	0 – 138

Heterotrophic Plate Count (HPC)

As per Schedule 10 of O. Reg. 170/03 - Microbiological Sampling and Testing, HPC analyses are required from the treated and distribution water. HPC tests are required weekly for treated water and for twenty five percent of the required distribution system bacteriological samples. Results over 500 colonies per 1 mL may indicate a change in water quality but is not considered an indicator of unsafe drinking water. The results from the 2024 sampling program for the Simcoe Drinking Water System are shown in the table below.

Location	Number of Samples	Range of HPC Results (min #)-(max #)	Unit of Measure
Cedar Street Reservoir POE	53	<10-10	cfu/mL



Location	Number of Samples	Range of HPC Results (min #)-(max #)	Unit of Measure
Chapel Street Well POE	53	<10-40	cfu/mL
North West Reservoir POE	53	<10-50	cfu/mL
Distribution	196	<10-210	cfu/mL

5. Chemical Testing

The Safe Drinking Water Act requires periodic testing of the water for sixty different chemical parameters. The latest results for these parameters are provided in Appendix A. The sampling frequency varies for the different types of water systems. If the concentration of the parameter is found to be above half of the Maximum Allowable Concentration (MAC) under the Ontario Drinking Water Quality Standards, an increased testing frequency of once every three months is required by Regulation. Additional testing is required for the Simcoe Drinking Water System as required by the Municipal Drinking Water Licence for Sodium and Volatile Organic Compounds (VOC). The nitrates levels are about 50% of the MAC of 10 mg/L and are also monitored on a quarterly basis. The Chapel Street Well also has nitrate levels that are about 50% of the MAC of 10 mg/L and are monitored on a quarterly basis.

6. Operational Monitoring

Operational checks including raw and treated water turbidity and treated and distribution free chlorine was conducted in accordance with Schedule 7 of Reg. O. 170/03.

Turbidity

The turbidity of the treated water is monitored continuously at each treatment plant; the turbidity of the raw water is checked on a weekly basis. Turbidity is measured in Nephelometric Turbidity Units (NTU). Under O. Reg. 170/03 turbidity in groundwater is not reportable, however it is desirable to have it <1NTU at the treatment plant and <5NTU in the distribution system. The results from the 2024 turbidity monitoring program for the Simcoe Drinking Water System are shown in the table below.



Location	Number of Grab Samples	Range of Results	Unit of Measure
Turbidity Cedar St Well#1 Raw	Well - Out of Service		
Turbidity Cedar St Well#2 Raw	281	0.04 – 1.36	NTU
Turbidity Cedar St Well#3 Raw	281	0.03 – 0.67	NTU
Turbidity Cedar St Well#4 Raw	281	0.05 – 1.55	NTU
Turbidity Cedar St Well#5 Raw	281	0.07 – 0.41	NTU
Turbidity NW Well #2 Raw	47	0.16– 10.80	NTU
Turbidity NW Well #3 Raw	50	0.15 – 3.71	NTU
Turbidity Chapel St Raw	64	0.08– 0.26	NTU
Turbidity NW Filter 1	8760	0.01 – 4.99	NTU
Turbidity NW Filter 2	8760	0.01 – 3.73	NTU
Turbidity NW Filter 3	8760	0.01 – 4.99	NTU

Chlorine Residual

In accordance with Schedule 7 of O. Reg. 170/03, free chlorine residuals in the treated water are monitored continuously at the point of entry to the distribution system at all water treatment plants and wells. The free chlorine in the water distribution system must be above 0.05 mg/L, if it is below this, it must be reported and corrective actions taken. The results from the 2024 chlorine residual monitoring program for Simcoe Drinking Water System are shown in the table below.

Location	Number of Grab Samples	Range of Results	Unit of Measure
Chlorine Cedar St	8760	0.01 – 5.00	mg/L
Chlorine Chapel St	8760	0.60 – 4.99	mg/L
Chlorine NW Res.	8760	0.54 – 1.99	mg/L



Location	Number of Grab Samples	Range of Results	Unit of Measure
Chlorine Residual Distribution System	780	0.11-1.71	mg/L

Fluoride

Hydrofluosilicic acid is added for fluoridation at the Chapel St. Well and the water treatment plants. The fluoride residuals are taken daily at the well and the water treatment plants. The results from the 2024 fluoride residual monitoring program for Simcoe Drinking Water System are shown in the table below.

Location	Number of Grab Samples	Range of Results	Unit of Measure
Fluoride Cedar St	366	0.43 – 0.83	mg/L
Fluoride Chapel St	366	0.10 – 0.86	mg/L
Fluoride NW Res.	366	0.35 – 0.87	mg/L

7. Adverse Results

In accordance with Schedule 16 – Reporting of Adverse Test Results and Other Problems of O. Reg. 170/03, there were three Adverse Water Quality Incident (AWQI) issued for the Simcoe Drinking Water System. The following table describes the date the adverse occurred, the parameter, the result, the corrective action taken and the corrective action date.

Incident Date	Parameter	Result	Corrective Action	Corrective Action Date
21/05/2024	Operational	Mainbreak - Category 2 with suspected sewage contamination. Contractor ruptured a length of pipe within proximity of an	MOH and MECP notified. Affected area including all service connections were isolated. Boil water was issued. Affected area was super chlorinated, after achieving successful superchlorination, system was flushed,	28/05/2024

Incident Date	Parameter	Result	Corrective Action	Corrective Action Date
		exposed section of the sanitary system.	and chlorine residual restored. Samples were taken and all results were within the Ministry of the Environment Guidelines. No further action was required.	
29/05/2024	Microbiological	4 Total Coliform	System was flushed, and chlorine residuals were checked in the distribution system. Samples were taken and all results were within the Ministry of the Environment Guidelines. No further action was required.	03/06/2024
17/07/2024	Microbiological	138 Total Coliform	System was flushed, and chlorine residuals were checked in the distribution system. Samples were taken and all results were within the Ministry of the Environment Guidelines. No further action was required.	23/07/2024
17/07/2024	Microbiological	69 Total Coliform	System was flushed, and chlorine residuals were checked in the distribution system. Samples were taken and all results were within the Ministry of the Environment Guidelines. No further action was required.	23/07/2024



Incident Date	Parameter	Result	Corrective Action	Corrective Action Date
07/08/2024	Microbiological	1 Total Coliform 1 E.coli	System was flushed, and chlorine residuals were checked in the distribution system. Samples were taken and all results were within the Ministry of the Environment Guidelines. No further action was required.	10/08/2024
08/10/2024	Operational	CT chlorine analyzer at the 14th St. Reservoir was left in hold mode and thus not properly calculating the required CT value.	SCADA trends were reviewed and CT calculated manually for duration of event. Results indicated that at no time untreated water was directed to users. Operators have been required to read/review and sign off on all policies relating to calibration of online analyzers. No further action was required.	11/10/2024
29/11/2024	Operational	POE Chlorine Analyzer at Cedar Street malfunctioned, caused by possible power surge.	Installed UPS for analyzers at Cedar Street Booster Station to help prevent future faults. SCADA technician adjusted alarm settings (as well as at other facilities).	29/11/2024



APPENDIX A: SUMMARY OF CHEMICAL RESULTS

UNDERSTANDING CHEMICAL TEST RESULTS

The following tables summarize the laboratory results of the chemical testing Norfolk County is required to complete. Different parameters are required to be tested for at different frequencies as noted below. Results are shown as concentrations with units of either milligrams per litre (mg/L) or micrograms per litre (ug/L). 1 mg/L is equal to 1000 ug/L. The Maximum Acceptable Concentration (MAC) is the highest amount of a parameter that is acceptable in Municipal drinking water and can be found in the MECP Drinking Water Standards. The Method Detection Limit (MDL) is the lowest amount to which the laboratory can confidently measure. Additional testing is required for the Simcoe Drinking Water System as required by the Municipal Drinking Water Licence for Sodium and Volatile Organic Compounds (VOC). The following tables summarize the Inorganic parameters tested for during the reporting period or the most recent sample results for Simcoe Drinking Water.

Simcoe Cedar Street Reservoir

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	06/05/2024	0.6 <MDL	ug/L	No
Arsenic	06/05/2024	0.2 <MDL	ug/L	No
Barium	06/05/2024	66.5	ug/L	No
Boron	06/05/2024	29	ug/L	No
Cadmium	06/05/2024	0.003	ug/L	No
Chromium	06/05/2024	0.24	ug/L	No
Lead	Exempt			
Mercury	06/05/2024	0.01 <MDL	ug/L	No
Selenium	06/05/2024	0.23	ug/L	No
Sodium	12/02/2024 6/05/2024 12/08/2024 04/11/2024	45.1 47.9 52.9 44.7	mg/L mg/L mg/L mg/L	Yes
Volatile Organic Compounds	12/02/2024 06/05/2024 12/08/2024 04/11/2024	<MDL	ug/L	No
Uranium	06/05/2024	0.707	ug/L	No



Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Fluoride	Daily			
Nitrite	12/02/2024	0.003<MDL	mg/L	No
	06/05/2024	0.003<MDL	mg/L	
	12/08/2024	0.003<MDL	mg/L	
	04/11/2024	0.003<MDL	mg/L	
Nitrate	12/02/2024	5.60	mg/L	No
	06/05/2024	5.76	mg/L	
	12/08/2024	6.37	mg/L	
	04/11/2024	7.08	mg/L	

Simcoe Chapel Street Well

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	06/05/2024	0.6 <MDL	ug/L	No
Arsenic	06/05/2024	0.2 <MDL	ug/L	No
Barium	06/05/2024	73.3	ug/L	No
Boron	06/05/2024	22	ug/L	No
Cadmium	06/05/2024	0.004 <MDL	ug/L	No
Chromium	06/05/2024	0.54	ug/L	No
Lead	Exempt	Exempt		
Mercury	06/05/2024	0.01<MDL	ug/L	No
Selenium	06/05/2024	0.31	ug/L	No
Sodium	11/05/2020	20.3	mg/L	No
Uranium	06/05/2024	0.497	ug/L	No
Fluoride	Daily			
Nitrite	12/02/2024	0.003<MDL	mg/L	No
	06/05/2024	0.003	mg/L	
	12/08/2024	0.003	mg/L	
	04/11/2024	0.003<MDL	mg/L	
Nitrate	12/02/2024	4.81	mg/L	No
	06/05/2024	4.77	mg/L	
	12/08/2024	4.69	mg/L	
	04/11/2024	0.314	mg/L	

Simcoe Northwest Reservoir

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	06/05/2024	0.6 <MDL	ug/L	No



Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Arsenic	06/05/2024	0.2 <MDL	ug/L	No
Barium	06/05/2024	65.3	ug/L	No
Boron	06/05/2024	13	ug/L	No
Cadmium	06/05/2024	0.003	ug/L	No
Chromium	06/05/2024	0.08<MDL	ug/L	No
Lead	Exempt			
Mercury	06/05/2024	0.01<MDL	ug/L	No
Selenium	06/05/2024	0.13	ug/L	No
Sodium	11/05/2020	9.58	mg/L	No
Uranium	06/05/2024	0.563	ug/L	No
Fluoride	Daily			
Nitrite	12/02/2024 06/05/2024 12/08/2024 04/11/2024	0.003<MDL 0.003<MDL 0.003<MDL 0.003<MDL	mg/L mg/L mg/L mg/L	No
Nitrate	12/02/2024 06/05/2024 12/08/2024 04/11/2024	4.03 2.32 2.23 1.97	mg/L mg/L mg/L mg/L	No

The following tables summarize the Organic parameters tested for during the reporting period or the most recent sample results for the Simcoe Drinking Water System.

Simcoe Cedar Street Reservoir

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	06/05/2024	0.02 <MDL	ug/L	No
Atrazine + N-dealkylated metabolites	06/05/2024	0.01 <MDL	ug/L	No
Azinphos-methyl	06/05/2024	0.05 <MDL	ug/L	No
Benzene	06/05/2024	0.32 <MDL	ug/L	No
Benzo(a)pyrene	06/05/2024	0.004 <MDL	ug/L	No
Bromoxynil	06/05/2024	0.33 <MDL	ug/L	No
Carbaryl	06/05/2024	0.05 <MDL	ug/L	No
Carbofuran	06/05/2024	0.01 <MDL	ug/L	No
Carbon Tetrachloride	06/05/2024	0.17 <MDL	ug/L	No



Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Chlorpyrifos	06/05/2024	0.02 <MDL	ug/L	No
Diazinon	06/05/2024	0.02 <MDL	ug/L	No
Dicamba	06/05/2024	0.20 <MDL	ug/L	No
1,2-Dichlorobenzene	06/05/2024	0.41 <MDL	ug/L	No
1,4-Dichlorobenzene	06/05/2024	0.36 <MDL	ug/L	No
1,2-Dichloroethane	06/05/2024	0.35 <MDL	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	06/05/2024	0.33 <MDL		
Dichloromethane	06/05/2024	0.35 <MDL	ug/L	No
2-4 Dichlorophenol	06/05/2024	0.15 <MDL	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	06/05/2024	0.19 <MDL	ug/L	No
Diclofop-methyl	06/05/2024	0.40 <MDL	ug/L	No
Dimethoate	06/05/2024	0.06 <MDL	ug/L	No
Diquat	06/05/2024	1 <MDL	ug/L	No
Diuron	06/05/2024	0.03 <MDL	ug/L	No
Glyphosate	06/05/2024	1 <MDL	ug/L	No
Malathion	06/05/2024	0.02 <MDL	ug/L	No
MCPA	06/05/2024	0.00012 <MDL	mg/L	No
Metolachlor	06/05/2024	0.01 <MDL	ug/L	No
Metribuzin	06/05/2024	0.02 <MDL	ug/L	No
Monochlorobenzene	06/05/2024	0.3 <MDL	ug/L	No
Paraquat	06/05/2024	1 <MDL	ug/L	No
Pentachlorophenol	06/05/2024	0.15 <MDL	ug/L	No
Phorate	06/05/2024	0.01 <MDL	ug/L	No
Picloram	06/05/2024	1 <MDL	ug/L	No
Polychlorinated Biphenyls(PCB)	06/05/2024	0.04 <MDL	ug/L	No
Prometryne	06/05/2024	0.03 <MDL	ug/L	No
Simazine	06/05/2024	0.01 <MDL	ug/L	No
Terbufos	06/05/2024	0.01 <MDL	ug/L	No
Tetrachloroethylene	06/05/2024	0.35 <MDL	ug/L	No



Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
2,3,4,6-Tetrachlorophenol	06/05/2024	0.20 <MDL	ug/L	No
Triallate	06/05/2024	0.01 <MDL	ug/L	No
Trichloroethylene	06/05/2024	0.44 <MDL	ug/L	No
2,4,6-Trichlorophenol	06/05/2024	0.25 <MDL	ug/L	No
Trifluralin	06/05/2024	0.02 <MDL	ug/L	No
Vinyl Chloride	06/05/2024	0.17 <MDL	ug/L	No

Chapel Street Well

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Aalachlor	06/05/2024	0.02 <MDL	ug/L	No
Atrazine + N-dealkylated metabolites	06/05/2024	0.01 <MDL	ug/L	No
Azinphos-methyl	06/05/2024	0.05 <MDL	ug/L	No
Benzene	06/05/2024	0.32 <MDL	ug/L	No
Benzo(a)pyrene	06/05/2024	0.004 <MDL	ug/L	No
Bromoxynil	06/05/2024	0.33 <MDL	ug/L	No
Carbaryl	06/05/2024	0.05 <MDL	ug/L	No
Carbofuran	06/05/2024	0.01 <MDL	ug/L	No
Carbon Tetrachloride	06/05/2024	0.17 <MDL	ug/L	No
Chlorpyrifos	06/05/2024	0.02 <MDL	ug/L	No
Diazinon	06/05/2024	0.02 <MDL	ug/L	No
Dicamba	06/05/2024	0.20 <MDL	ug/L	No
1,2-Dichlorobenzene	06/05/2024	0.41 <MDL	ug/L	No
1,4-Dichlorobenzene	06/05/2024	0.36 <MDL	ug/L	No
1,2-Dichloroethane	06/05/2024	0.35 <MDL	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	06/05/2024	0.33 <MDL	ug/L	No
Dichloromethane	06/05/2024	0.35 <MDL	ug/L	No
2-4 Dichlorophenol	06/05/2024	0.15 <MDL	ug/L	No



Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
2,4-Dichlorophenoxy acetic acid (2,4-D)	06/05/2024	0.19 <MDL	ug/L	No
Diclofop-methyl	06/05/2024	0.40 <MDL	ug/L	No
Dimethoate	06/05/2024	0.06 <MDL	ug/L	No
Diquat	06/05/2024	1 <MDL	ug/L	No
Diuron	06/05/2024	0.03 <MDL	ug/L	No
Glyphosate	06/05/2024	1 <MDL	ug/L	No
Malathion	06/05/2024	0.02 <MDL	ug/L	No
MCPA	06/05/2024	0.00012 <MDL	mg/L	No
Metolachlor	06/05/2024	0.01 <MDL	ug/L	No
Metribuzin	06/05/2024	0.02 <MDL	ug/L	No
Monochlorobenzene	06/05/2024	0.3 <MDL	ug/L	No
Paraquat	06/05/2024	1 <MDL	ug/L	No
Pentachlorophenol	06/05/2024	0.15 <MDL	ug/L	No
Phorate	06/05/2024	0.01 <MDL	ug/L	No
Picloram	06/05/2024	1 <MDL	ug/L	No
Polychlorinated Biphenyls(PCB)	06/05/2024	0.04 <MDL	ug/L	No
Prometryne	06/05/2024	0.03 <MDL	ug/L	No
Simazine	06/05/2024	0.01 <MDL	ug/L	No
Terbufos	06/05/2024	0.01 <MDL	ug/L	No
Tetrachloroethylene	06/05/2024	0.35 <MDL	ug/L	No
2,3,4,6-Tetrachlorophenol	06/05/2024	0.20 <MDL	ug/L	No
Triallate	06/05/2024	0.01 <MDL	ug/L	No
Trichloroethylene	06/05/2024	0.44 <MDL	ug/L	No
2,4,6-Trichlorophenol	06/05/2024	0.25 <MDL	ug/L	No
Trifluralin	06/05/2024	0.02 <MDL	ug/L	No
Vinyl Chloride	06/05/2024	0.17 <MDL	ug/L	No

Simcoe Northwest Reservoir

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	06/05/2024	0.02 <MDL	ug/L	No



Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Atrazine + N-dealkylated metabolites	06/05/2024	0.01	ug/L	No
Azinphos-methyl	06/05/2024	0.05 <MDL	ug/L	No
Benzene	06/05/2024	0.32 <MDL	ug/L	No
Benzo(a)pyrene	06/05/2024	0.004 <MDL	ug/L	No
Bromoxynil	06/05/2024	0.33 <MDL	ug/L	No
Carbaryl	06/05/2024	0.05 <MDL	ug/L	No
Carbofuran	06/05/2024	0.01 <MDL	ug/L	No
Carbon Tetrachloride	06/05/2024	0.17 <MDL	ug/L	No
Chlorpyrifos	06/05/2024	0.02 <MDL	ug/L	No
Diazinon	06/05/2024	0.02 <MDL	ug/L	No
Dicamba	06/05/2024	0.20 <MDL	ug/L	No
1,2-Dichlorobenzene	06/05/2024	0.41 <MDL	ug/L	No
1,4-Dichlorobenzene	06/05/2024	0.36 <MDL	ug/L	No
1,2-Dichloroethane	06/05/2024	0.35 <MDL	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	06/05/2024	0.33 <MDL	ug/L	No
Dichloromethane	06/05/2024	0.35 <MDL	ug/L	No
2,4 Dichlorophenol	06/05/2024	0.15 <MDL	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	06/05/2024	0.19 <MDL	ug/L	No
Diclofop-methyl	06/05/2024	0.40 <MDL	ug/L	No
Dimethoate	06/05/2024	0.06 <MDL	ug/L	No
Diquat	06/05/2024	1 <MDL	ug/L	No
Diuron	06/05/2024	0.03 <MDL	ug/L	No
Glyphosate	06/05/2024	1 <MDL	ug/L	No
Malathion	06/05/2024	0.02 <MDL	ug/L	No
MCPA	06/05/2024	0.00012 <MDL	mg/L	No
Metolachlor	06/05/2024	0.01 <MDL	ug/L	No
Metribuzin	06/05/2024	0.02 <MDL	ug/L	No
Monochlorobenzene	06/05/2024	0.3 <MDL	ug/L	No



Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Paraquat	06/05/2024	1 <MDL	ug/L	No
Pentachlorophenol	06/05/2024	0.15 <MDL	ug/L	No
Phorate	06/05/2024	0.01 <MDL	ug/L	No
Picloram	06/05/2024	1 <MDL	ug/L	No
Polychlorinated Biphenyls(PCB)	06/05/2024	0.04 <MDL	ug/L	No
Prometryne	06/05/2024	0.03 <MDL	ug/L	No
Simazine	06/05/2024	0.01 <MDL	ug/L	No
Terbufos	06/05/2024	0.01 <MDL	ug/L	No
Tetrachloroethylene	06/05/2024	0.35 <MDL	ug/L	No
2,3,4,6-Tetrachlorophenol	06/05/2024	0.20 <MDL	ug/L	No
Triallate	06/05/2024	0.01 <MDL	ug/L	No
Trichloroethylene	06/05/2024	0.44 <MDL	ug/L	No
2,4,6-Trichlorophenol	06/05/2024	0.25 <MDL	ug/L	No
Trifluralin	06/05/2024	0.02 <MDL	ug/L	No
Vinyl Chloride	06/05/2024	0.17 <MDL	ug/L	No
Total Haloacetic Acid Average 16.53 ug/L	12/02/2024 06/05/2024 12/08/2024 04/11/2024	13.3 15.0 5.8 19.9	ug/L ug/L ug/L ug/L	No
THM Annual Average 37 ug/L	12/02/2024 06/05/2024 12/08/2024 04/11/2024	30 31 39 48	ug/L ug/L ug/L ug/L	No

The following table summarizes the lead testing as set out in Schedule 15.1 of O. Reg. 170/03 during the reporting period.

Location Type	Sample Date (dd/mm/yyyy)	Number of Samples	Range of Lead Results (min#) – (max #) ug/L	Number of Exceedances
Plumbing		Exempt		
Distribution	04/03/2024 23/09/2024	4 4	0.20 – 0.72 0.52 – 0.78	0 0