



2022 Annual Performance & Summary Report Middlesex Centre Distribution System

Date: February 8, 2023

*Alternative Formats: If you require this document in an alternative format
please contact the Municipality of Middlesex Centre at 519-666-0190
or customerservice@middlesexcentre.ca*

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Introduction

The Municipality of Middlesex Centre prepares a report summarizing system operation and water quality for every municipal drinking water system annually. The reports detail the latest water quality testing results, water quantity statistics and any adverse conditions that may have occurred for the previous year. They are available for review by the end of February on the Municipality of Middlesex Centre website at www.middlesexcentre.on.ca/services/residents/water or by contacting the Public Works Department.

All efforts have been made to ensure the information presented in this report is accurate. If you have any questions or comments concerning the report, please contact the Municipality of Middlesex Centre.

Table 1 – Plant Information

Drinking Water System	Middlesex Centre Distribution System
Drinking Water System Number	260004202
Drinking Water System Owner & Contact Information	Municipality of Middlesex Centre Large Municipal Distribution System 10227 Ilderton Road, RR #2 Ilderton, Ontario N0M 2A0
Reporting Period	January 1, 2022 to December 31, 2022

Section A – System Description

The Middlesex Centre Distribution System is owned and operated by the Municipality of Middlesex Centre. The system operates under Municipal Drinking Water License Number 052-101 and Drinking Water Works Permit Number 052-201. This system is made up of the following water systems:

- Arva Distribution Sub-System
- Ballymote Distribution Sub-System
- Delaware Distribution Sub-System
- Denfield Distribution Sub-System
- Ilderton Distribution Sub-System
- Komoka-Kilworth Distribution Sub-System

The water supply for the Arva Distribution Sub-System is obtained from a 1050 mm pipeline maintained by the City of London Water Supply System. A 200mm ductile-iron pipeline with flow meter and in-line vertical turbine fire pump distributes treated water.

There is an on-line chlorine analyzer and paperless recorder. Two chemical metering pumps are available for secondary disinfection to boost sodium hypochlorite levels.

The Ballymote Distribution Sub-System is supplied by a 200mm water main from the City of London. A re-chlorination injection point exists with a portable chlorine feed system, a sampling tap immediately downstream from the injection point and a chlorine analyzer measures free chlorine residual in the water entering the distribution system.

In 2022 the Komoka/Delaware Interconnect project was completed and put on-line, with the Delaware Re-chlorination Facility being decommissioned in November of 2022. The Delaware Drinking Water Sub-System receives water through a 150 mm water main from the Komoka-Kilworth distribution Sub-System connection at the Delaware Booster pumping station (BPS) facility. The BPS consists of two in-line booster pumps that pressurize the distribution system to fill the Delaware Standpipe to a predetermined level, a bypass line with an actuated valve to permit flow based on system pressure demands, a pressure relief line, and a SCADA system with flow and pressure monitoring. The Delaware standpipe is a reservoir that provides system pressure and re-chlorination with two chemical pumps and chlorine analyzers for the incoming and distribution flows to boost disinfection residuals as needed.

The water supply for the Denfield Distribution Sub-System is obtained from the 1200 mm pipeline of the LHPWSS. High lift pumps at the Denfield reservoir draw from the above ground storage tank and provide water to the distribution system. The Denfield system is equipped with two fixed speed pumps and one variable speed pump. Two sodium hypochlorite disinfection systems are used to boost chlorine entering and leaving the storage tank.

The water supply for the Ilderton distribution Sub-System is obtained from the LHPWSS. High lift pumps at the Ilderton reservoir provide water to the distribution system and the tower, which provides pressure for the distribution system. The reservoir is equipped with three high lift pumps. A sodium hypochlorite disinfection system is used to boost chlorine entering the distribution system.

The water supply for the Komoka-Kilworth distribution Sub-System is obtained from the LHPWSS. High lift pumps at the Komoka reservoir draw from the above ground storage tank and provide water to the distribution system and the tower. The reservoir is equipped with two high lift pumps. Two sodium hypochlorite disinfection systems are used to boost chlorine entering and leaving the storage tank.

Section B – Water Treatment Chemicals Used

- 12% sodium hypochlorite
- 6% sodium hypochlorite

Section C – Modifications & Replacements

Modifications & Replacements		
<u>Ballymote Distribution Sub-System</u>		
UPS unit replaced	August 30	\$1,813.95
<u>Komoka Distribution Sub-System</u>		
Reservoir mixer replaced	January 4	\$19,888.00
UPS replaced at Intermediate Pump Station	May 25	\$1,813.95
Valves at Kilworth Park Drive replaced	July 29	\$7,150.00
Sodium hypochlorite pump 2 dosing head replaced	October 27	\$3,684.00
Sodium hypochlorite pump 1 dosing head and pressure gauge isolator replaced	November 23	\$1842.00
<u>Ilderton Distribution Sub-System</u>		
Booster pump check valves replaced	June 1	\$14,068.85
Sodium hypochlorite injector solenoid valves replaced	November 1	\$1,713.90
Sodium hypochlorite dosing storage tank replaced	November 24	\$300.00
<u>Denfield Distribution Sub-System</u>		
PLC card battery replaced	March 7	\$398.00
Generator water pump replaced	August 24	\$2,154.91
Reservoir mixer replaced	August 29	\$16,317.20
Booster pump #1 starter and motor replaced	August 31	\$4,502.00
Sample station replaced	December 6	\$11,722.00
Sodium hypochlorite dosing storage tank replaced	December 8	\$300.00
Sodium hypochlorite pumps	Sept. 8 & 21	\$10,466.10

Section D – Microbiological Testing

(I) E. coli & Total Coliform

Bacteriological tests for *E. coli* and total coliforms in the distribution water are collected on a weekly schedule in various location throughout the distribution system. Extra samples are taken after major repairs or maintenance work. Any *E. coli* or total coliform results above 0 in treated distribution water must be reported to the Ministry of Environment, Conservation and Parks (MECP) and Medical Officer of Health (MOH). Resamples and any other required actions are taken as quickly as possible. The results from the 2022 sampling program are shown on the table below.

Table 2 – E. Coli & Total Coliform Samples

	Number of Samples	Range of E. coli Results Min – Max	Range of Total Coliform Results Min – Max
Distribution	314	0 - 0	0 - 1

(II) Heterotrophic Plate Count (HPC)

HPC analyses are required from the distribution water on a bi-weekly basis. HPC should be less than 500 colonies per 1 mL. Results over 500 colonies per 1 mL may indicate a change in water quality but it is not considered an indicator of unsafe water. The 2022 results are shown in the table below.

Table 3 – Heterotrophic Plate Count (HPC) Samples

Parameters	Number of Samples	Range of HPC Results Min-Max
Distribution	122	<10 - 80

Section E – Chemical Testing

The Safe Drinking Water Act requires periodic testing of the water for chemical parameters. The sampling frequency varies for different types and sizes of water systems. If the concentration of a parameter is 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 the Regulation. Where concerns regarding a parameter exist, the MECP can also require additional sampling be undertaken.

(I) Trihalomethane (THM) & Haloacetic Acids (HAA)

The Middlesex Distribution System collected samples for Trihalomethane (THM) and total Haloacetic Acids (HAA) which are by-products of the disinfection process. Samples were collected every 3 months from the distribution system.

Table 4 – Quarterly Trihalomethane & Haloacetic Acid

Parameter & Sample Date	Result (mg/l)	Annual Rolling Average (mg/l)	MAC (mg/l)	Exceedance
Trihalomethane				
1st Quarter	0.025	0.032	0.1	No
2nd Quarter	0.026	0.031	0.1	No
3rd Quarter	0.027	0.031	0.1	No

Parameter & Sample Date	Result (mg/l)	Annual Rolling Average (mg/l)	MAC (mg/l)	Exceedance
4th Quarter	0.035	0.028	0.1	No
Haloacetic Acid (HAA)				
1st Quarter	0.015	0.017	0.08	No
2nd Quarter	0.017	0.016	0.08	No
3rd Quarter	0.009	0.015	0.08	No
4th Quarter	0.016	0.013	0.08	No

(II) Lead Testing Program

The following Table summarizes the most recent results for the Lead Testing Program. Lead samples are twice per year in the winter sample period and the summer sample period as outlined below. Alkalinity and pH are monitored twice per year in the distribution system to ensure water quality is consistent and does not facilitate leaching of lead into the water.

As identified in Schedule D of the Municipal Drinking Water License #052-101, Middlesex Centre was granted Regulatory Relief for Lead sampling. The number of sampling points has been reduced to the following:

Table 5 – Regulatory Relief

Number of Sampling Points Required for Relief from Regulatory Requirements				
Column 1 Drinking Water System or Drinking Water Subsystem Name	Column 2 DWS Numbers	Column 3 Number of Sampling Points in Plumbing that Serves Private Residences	Column 4 Number of Sampling Points in Plumbing that Does Not Serve Private Residences	Column 5 Number of Sampling Points in Distribution System
Middlesex Centre Distribution System	260004202	20	2	4

Ontario Regulation 75/20 made under the Emergency Management and Civil Protection Act issued an emergency order for regulatory relief for drinking water system. With the unprecedented situation facing the province and municipality in responding to the COVID-19 outbreak, Middlesex Centre utilized the pandemic related temporary regulatory relief (alternate arrangement) for the Middlesex Centre Municipal Residential Distribution System. Temporary relief was granted for sampling within residential homes within the Middlesex Centre Distribution System during the winter sample period between December 15, 2021 to April 15, 2022 with a return to regular reduced sampling requirements for the summer sample period of June 15, 2022 to October 15, 2022. The approved Application for Pandemic Related Temporary Regulatory Relief are shown in

Appendix C. The sample results below are for the Middlesex Centre Distribution System and services that do not serve private residents.

Middlesex Centre Distribution System has been granted Regulatory Relief for lead sampling as outlined in Table 2, Schedule D Conditions for Relief from Regulatory Requirements in the Regulatory Drinking Water Licence # 052-101, Issue #5 dated February 4, 2022. Middlesex Centre is required to take twenty (20) lead samples from plumbing that serve Private Residence, two (2) samples that do not serve private residents and four (4) samples from the distribution system. Sampling results from the winter and summer lead sampling period are listed in Appendix A. Table 6 shows the maximum concentrations of the sampling that was conducted for the winter and summer periods.

Table 6 – Lead Sampling

Parameter	Max Result Values	MAC	Exceedance
Winter Sample (Dec. 15 – April 15)			
Lead (µg/l)	1.02	10	No
Distribution Alkalinity (mg/l)	87 - 91	*30 - 500	No
Distribution pH	8.30	-	No
Summer Sample (June 15 – Oct. 15)			
Lead (µg/l)	1.70	10	No
Distribution Alkalinity	79 - 82	*30 – 500	No
Distribution pH	8.60	-	No

**Distribution alkalinity is an aesthetic objective / Operational Guideline with a range between 30 mg/l to 500 mg/l.*

Section F – Operational Monitoring

(I) Chlorine Residual

Free chlorine levels of the treated water are monitored continuously at the discharge point of the Water Treatment Facility. In the distribution system, free chlorine is checked daily at various locations. As a target, free chlorine residual within the distribution system should be above 0.20 mg/L. A free chlorine level lower than 0.05 mg/L must be reported and corrective action taken. There were no reportable incidents in 2022. A summary of the chlorine residual readings is provided in the table below.

Table 7 – Chlorine Residuals

Parameter	Number of Tests or Monitoring Frequency	Range of Results (Min – Max)
Chlorine residual Point of Entry (POE) (mg/L)	Continuous	0.37 – 4.67

Section G – Water Quantity

Continuous monitoring of flowrates from the supply systems to the Middlesex Distribution System is required by Regulation 170/03. The Municipality of Middlesex Centre receives water from the Lake Huron Water Supply System and the London Distribution system in Arva and Ballymote. A summary of the 2022 flows are provided below.

System	YTD	
Treated Flow	921,660	m ³
Raw Avg.	424	m ³ /d
Raw Max	1,652	m ³ /d

Table 8 – Arva Water 2022 Flows

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
Raw Avg.	m ³	75	76	78	82	111	163	191	146	50	107	87	81	108
Raw Max	m ³ /d	96	92	104	124	159	239	265	205	177	151	135	96	150
Treated Flow	m ³ /d	2,334	2,126	2,404	2,464	3,441	4,891	5,931	4,525	4,126	3,328	2,604	2,498	3,390

Table 9 – Ballymote Water 2022 Flows

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
Raw Avg.	m ³	20	19	19	19	26	29	34	27	27	24	19	22	24
Raw Max	m ³ /d	24	29	27	24	38	38	130	38	40	32	26	29	40
Treated Flow	m ³ /d	609	523	575	570	793	855	1,045	851	807	735	562	679	717

Table 10 – Delaware Water 2022 Flows

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
Raw Avg.	m ³	265	281	290	315	385	458	593	511	442	380	122	462	375
Raw Max	m ³ /d	485	555	422	439	566	1,024	1,024	1,024	703	728	919	864	729
Treated Flow	m ³ /d	9,136	7,868	9,003	9,451	11,949	13,738	18,370	15,845	13,252	11,775	12,240	14,316	12,245

Table 11 – Denfield Water 2022 Flows

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
Raw Avg.	m3	32	30	29	31	50	53	57	35	45	38	31	30	38
Raw Max	m3/d	67	37	36	43	103	87	97	54	81	57	37	38	61
Treated Flow	m3/d	987	829	906	930	1,540	1,598	1,753	1,085	1,342	1,166	936	936	1,167

Table 12 – Ilderton Water 2022 Flows

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
Raw Avg.	m3	604	645	594	652	817	887	970	777	755	677	654	625	721
Raw Max	m3/d	896	1,119	1,001	1,269	1,172	1,178	1,204	985	1,116	952	1,156	793	1,070
Treated Flow	m3/d	18,721	18,051	18,410	19,549	25,336	26,623	30,070	24,092	22,642	20,979	19,632	19,390	21,958

Table 13 – Komoka-Kilworth Water 2022 Flows

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg.
Raw Avg.	m3	1,065	1,085	1,025	1,058	1,322	1,692	1,709	1,378	1,272	1,082	1,138	1,478	1,275
Raw Max	m3/d	1,219	1,166	1,188	1,183	1,919	2,585	2,223	1,689	1,627	1,284	1,906	1,836	1,652
Treated Flow	m3/d	33,011	30,368	31,772	31,743	40,996	50,755	52,983	42,731	38,157	33,542	30,472	31,511	37,337

Note - Komoka-Kilworth Treated flows for November and December are the recorded flows less the flows for the new Delaware Booster Pumping Station.

Section H – Non-Compliance Findings & Adverse Results

Section 6 documents any known incidents of non-compliance or adverse results and the associated correction actions taken to resolve the issue. Non-compliance issues are typically identified by either the Operating Authority or the MECP Drinking Water Inspectors. All non-compliance issues are investigated, corrective actions taken and documented using the Municipalities Drinking Water Quality Management System (DWQMS) procedures.

Non-Compliance Findings

The MECP conducted an announced routine inspection of the Middlesex Centre Distribution System on July 20, 2022. There was one identified non-compliance/non-conformance identified.

In the first full week of July of 2021 there were samples taken on the Monday that were not delivered to the lab for testing. The error was discovered on the Friday and taken to the lab immediately.

The inspector determined that samples were not taken that week, and subsequently not in compliance with Section 10-2 of Ontario Regulation 170/03.

It was acknowledged that a procedure to prevent a reoccurrence had been implemented in response.

Summary of Reporting Adverse Test Results and Other Problems (Schedule 16)

AWQI # 159493 – Total Coliform event, Komoka Water Tower

A regulatory microbiological sample, taken at the Komoka Water Tower, analysis had a 1 cfu/100mL Total Coliform result with a chlorine residual of 1.04 mg/L. The MECP and MLHU were notified and resampling was conducted as required in Ontario Regulation 170/03. The analysis of the resampling had a 0 cfu/100mL Total Coliform result.

Analysis reports can be found in appendix A and MECP notification can be found in appendix B.

AWQI # 159981 - Total Coliform event, Denfield Sample Station

A regulatory microbiological sample, taken at the Denfield Sample Station, analysis had a 1 cfu/100mL Total Coliform result with a chlorine residual of 0.83 mg/L. The MECP and MLHU were notified and resampling was conducted as required in Ontario Regulation 170/03. The analysis of the resampling had a 0 cfu/100mL Total Coliform result. Analysis reports can be found in appendix A and MECP notification can be found in appendix B.

APPENDIX A – ANALYTICAL DATA



Works #: 260004202

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

22-March-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 15 March 2022
 LR Report: CA30262-MAR22

10227 Ilderton Rd.
 Ilderton, ON
 N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190 ext 255
 Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Alkalinity mg/L as CaCO ₃	Lead ug/L
1: Analysis Start Date		---	---	---	16-Mar-22	22-Mar-22
2: Analysis Start Time		---	---	---	15:41	06:55
3: Analysis Completed Date		---	---	---	17-Mar-22	22-Mar-22
4: Analysis Completed Time		---	---	---	14:00	09:37
5: MAC		---	---	---	---	10
6: AO/OG		---	---	6.5-8.5	30-500	---
7: MDL		---	---	---	2	0.01
8: TAP-NR 14352 Medway Road - Arva Fire Hall 1st	14-Mar-22 14:22	5.7	6.0	8.17	---	0.21
9: TAP-NR 14352 Medway Road - Arva Fire Hall 2nd	14-Mar-22 14:22	5.7	6.0	8.17	---	0.20
10: DW Hydrant 1L-14 @ 121 Mill Street 1st	14-Mar-22 09:28	5.7	6.0	8.10	---	0.43
11: DW Hydrant 1L-14 @ 121 Mill Street 2nd	14-Mar-22 09:28	5.7	6.0	8.10	91	---
12: DW Hydrant DN-4 @ 104 Brookfield Street 1st	14-Mar-22 11:05	5.7	6.0	7.96	---	0.06
13: DW Hydrant DN-4 @ 104 Brookfield Street 2nd	14-Mar-22 11:05	5.7	6.0	7.96	91	---
14: TAP-NR 11563 Longwoods Road - Delaware Fire Hall 1st	14-Mar-22 10:08	5.7	6.0	8.2	---	0.17
15: TAP-NR 11563 Longwoods Road - Delaware Fire Hall 2nd	14-Mar-22 10:08	5.7	6.0	8.2	---	0.12
16: DW Hydrant KI-58 @ 69 Kilworth Park Drive 1st	14-Mar-22 12:20	5.7	6.0	8.3	---	1.02
17: DW Hydrant KI-58 @ 69 Kilworth Park Drive 2nd	14-Mar-22 12:20	5.7	6.0	8.3	87	---
18: DW Hydrant KO-9 @ 22597 Komoka Road 1st	14-Mar-22 13:52	5.7	6.0	7.8	---	0.01
19: DW Hydrant KO-9 @ 22597 Komoka Road 2nd	14-Mar-22 13:52	5.7	6.0	7.8	88	---

MAC - Maximum Acceptable Concentration
 AO/OG - Aesthetic Objective / Operational Guideline
 MDL - SGS Method Detection Limit

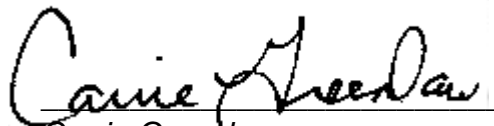
Method Descriptions

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

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA30262-MAR22



Carrie Greenlaw
Carrie Greenlaw
Project Specialist,
Environment, Health & Safety



Works #: 260004202

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

13-June-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 07 June 2022
LR Report: CA30093-JUN22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH no unit	Alkalinity mg/L as CaCO ₃	Lead ug/L
1: Analysis Start Date		---	---	---	09-Jun-22	13-Jun-22
2: Analysis Start Time		---	---	---	15:00	07:00
3: Analysis Completed Date		---	---	---	10-Jun-22	13-Jun-22
4: Analysis Completed Time		---	---	---	11:59	11:42
5: MAC		---	---	---	---	10
6: AO/OG		---	---	6.5-8.5	30-500	---
7: MDL		---	---	---	2	0.01
8: TAP-NR 22531 Hyde Park Rd. - Ilderton Fire Hall 1st	06-Jun-22 09:25	9.7	14.0	8.3	---	0.16
9: TAP-NR 22531 Hyde Park Rd. - Ilderton Fire Hall 2nd	06-Jun-22 09:25	9.7	14.0	8.3	---	0.16
10: DW Hydrant Ba-02 @ 21554 Highbury Ave N 1st	06-Jun-22 14:31	9.7	14.0	8.0	---	1.45
11: DW Hydrant Ba-02 @ 21554 Highbury Ave N 2nd	06-Jun-22 14:31	9.7	14.0	8.0	80	---
12: DW Hydrant Ar-12 @ 45 Sir Robert PL 1st	06-Jun-22 13:00	9.7	14.0	7.7	---	0.36
13: DW Hydrant Ar-12 @ 45 Sir Robert PL 2nd	06-Jun-22 13:00	9.7	14.0	7.7	79	---
14: TAP-NR Lunch Room 11563 Longwoods Road - Delaware Fire Hall 1st	06-Jun-22 10:07	9.7	14.0	8.9	---	0.22
15: TAP-NR Lunch Room 11563 Longwoods Road - Delaware Fire Hall 2nd	06-Jun-22 10:07	9.7	14.0	8.9	---	0.20
16: DW Hydrant Ki-22 @ 20 Wingreen Lane 1st	06-Jun-22 12:16	9.7	14.0	8.4	---	0.01 <MDL
17: DW Hydrant Ki-22 @ 20 Wingreen Lane 2nd	06-Jun-22 12:16	9.7	14.0	8.4	83	---
18: DW Hydrant Ko-48 @ 139 Simcoe Cres 1st	06-Jun-22 11:55	9.7	14.0	8.5	---	0.01 <MDL
19: DW Hydrant Ko-48 @ 139 Simcoe Cres 2nd	06-Jun-22 11:55	9.7	14.0	8.5	79	---

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

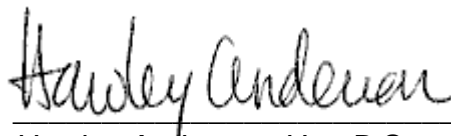
Method Descriptions

Parameter	Description	SGS Method Code	Reference Method Code
Alkalinity	Alkalinity by Titration	ME-CA-[ENV]EWL-LAK-AN-006	SM 2320
Lead	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006	SM 3030/EPA 200.8

SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA30093-JUN22



Hawley Anderson, Hon.B.Sc
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22-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 16 August 2022
LR Report: CA30308-AUG22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

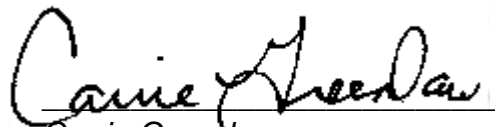
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH no unit	Alkalinity mg/L as CaCO3	Lead ug/L
1: Analysis Start Date		---	---	---	17-Aug-22	20-Aug-22
2: Analysis Start Time		---	---	---	15:51	11:01
3: Analysis Completed Date		---	---	---	18-Aug-22	22-Aug-22
4: Analysis Completed Time		---	---	---	11:33	09:59
5: MAC		---	---	---	---	10
6: AO/OG		---	---	6.5-8.5	30-500	---
7: MDL		---	---	---	2	0.01
8: DW Hydrant IL-14 121 Mill St. - Ilderton 1st	15-Aug-22 10:00	7.6	13.0	8.3	---	0.03
9: DW Hydrant IL-14 121 Mill St. - Ilderton 2nd	15-Aug-22 10:00	7.6	13.0	8.3	79	---
10: DW Hydrant Dn-03 23949 Denfield Rd. - Denfield 1st	15-Aug-22 10:32	7.6	13.0	8.6	---	0.84
11: DW Hydrant Dn-03 23949 Denfield Rd. - Denfield 2nd	15-Aug-22 10:32	7.6	13.0	8.6	82	---

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
mg/L as CaCO3	Alkalinity by Titration	ME-CA-[ENV]EWL-LAK-AN-006
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


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Environment, Health & Safety

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

22-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 16 August 2022
LR Report: CA30309-AUG22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH no unit	Lead ug/L
1: Analysis Start Date		---	---	---	20-Aug-22
2: Analysis Start Time		---	---	---	11:01
3: Analysis Completed Date		---	---	---	22-Aug-22
4: Analysis Completed Time		---	---	---	10:00
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-NR Kitchen Sink Ilderton Fire Hall 22531 Hyde Park Rd. - Ilderton 1st	15-Aug-22 12:30	7.6	13.0	8.7	0.19
9: TAP-NR Kitchen Sink Ilderton Fire Hall 22531 Hyde Park Rd. - Ilderton 2nd	15-Aug-22 12:30	7.6	13.0	8.7	0.24
10: TAP-NR Sink In Hall Arva Fire Hall 14352 Medway Rd. - Arva 1st	15-Aug-22 14:00	7.6	13.0	7.7	0.26
11: TAP-NR Sink In Hall Arva Fire Hall 14352 Medway Rd. - Arva 2nd	15-Aug-22 14:00	7.6	13.0	7.7	0.27

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


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22-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 16 August 2022
LR Report: CA30312-AUG22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Alkalinity mg/L as CaCO3	Lead ug/L
1: Analysis Start Date		---	---	---	17-Aug-22	20-Aug-22
2: Analysis Start Time		---	---	---	15:51	11:01
3: Analysis Completed Date		---	---	---	18-Aug-22	22-Aug-22
4: Analysis Completed Time		---	---	---	11:33	10:03
5: MAC		---	---	---	---	10
6: AO/OG		---	---	6.5-8.5	30-500	---
7: MDL		---	---	---	2	0.01
8: DW Ki-51 12 Wishing Well Crt - Kilworth 1st	15-Aug-22 12:55	7.6	13.0	7.3	---	1.15
9: DW Ki-51 12 Wishing Well Crt - Kilworth 2nd	15-Aug-22 12:55	7.6	13.0	7.3	80	---
10: DW De-52 45 Millmanor PI - Delaware 1st	15-Aug-22 14:05	7.6	13.0	7.3	---	1.70
11: DW De-52 45 Millmanor PI - Delaware 2nd	15-Aug-22 14:05	7.6	13.0	7.3	80	---

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
mg/L as CaCO3	Alkalinity by Titration	ME-CA-[ENV]EWL-LAK-AN-006
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


Carrie Greenlaw
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Works #: 260004202

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06-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 30 August 2022
LR Report: CA30573-AUG22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	06-Sep-22
2: Analysis Start Time		---	---	---	06:30
3: Analysis Completed Date		---	---	---	06-Sep-22
4: Analysis Completed Time		---	---	---	10:24
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen 79 Atkinson Court, Delaware 1st	30-Aug-22 10:14	17.2	13.0	8.01	0.16
9: TAP-PR Kitchen 79 Atkinson Court, Delaware 2nd	30-Aug-22 10:14	17.2	13.0	8.01	0.42
10: TAP-PR Kitchen 77 Atkinson Court, Delaware 1st	30-Aug-22 10:34	17.2	13.0	8.04	0.65
11: TAP-PR Kitchen 77 Atkinson Court, Delaware 2nd	30-Aug-22 10:34	17.2	13.0	8.04	0.15

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


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Works #: 260004202

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06-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 31 August 2022
LR Report: CA30625-AUG22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	06-Sep-22
2: Analysis Start Time		---	---	---	06:30
3: Analysis Completed Date		---	---	---	06-Sep-22
4: Analysis Completed Time		---	---	---	10:28
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen Tap 12 St. John Drive, Arva 1st	30-Aug-22 13:44	8.9	9.0	8.2	0.42
9: TAP-PR Kitchen Tap 12 St. John Drive, Arva 2nd	30-Aug-22 13:44	8.9	9.0	8.2	0.75
10: TAP-PR Kitchen Tap 46 Aylesford Court, Kilworth 1st	30-Aug-22 14:15	8.9	9.0	8.0	0.11
11: TAP-PR Kitchen Tap 46 Aylesford Court, Kilworth 2nd	30-Aug-22 14:15	8.9	9.0	8.0	0.06
12: TAP-PR Kitchen Tap 133 Daventry Way, Kilworth 1st	30-Aug-22 14:23	8.9	9.0	8.3	0.04
13: TAP-PR Kitchen Tap 133 Daventry Way, Kilworth 2nd	30-Aug-22 14:23	8.9	9.0	8.3	0.06

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


Carrie Greenlaw
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Works #: 260004202

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P.O. Box 4300 - 185 Concession St.
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09-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Date Rec. : 01 September 2022
LR Report: CA30013-SEP22

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Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	09-Sep-22
2: Analysis Start Time		---	---	---	07:00
3: Analysis Completed Date		---	---	---	09-Sep-22
4: Analysis Completed Time		---	---	---	09:53
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen Tap 115 Meredith Drive, Ilderton 1st	01-Sep-22 09:06	15.5	10.0	8.4	0.19
9: TAP-PR Kitchen Tap 115 Meredith Drive, Ilderton 2nd	01-Sep-22 09:06	15.5	10.0	8.4	0.09
10: TAP-PR Kitchen Tap 130 Willow Ridge Road, Ilderton 1st	01-Sep-22 11:10	15.5	10.0	8.4	0.04
11: TAP-PR Kitchen Tap 130 Willow Ridge Road, Ilderton 2nd	01-Sep-22 11:10	15.5	10.0	8.4	0.02

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Parameter	Description	SGS Method Code
Lead	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006

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Project Specialist,
Environment, Health & Safety



Works #: 260004202

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09-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Date Rec. : 06 September 2022
LR Report: CA30030-SEP22

Copy: #1

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	09-Sep-22
2: Analysis Start Time		---	---	---	07:00
3: Analysis Completed Date		---	---	---	09-Sep-22
4: Analysis Completed Time		---	---	---	09:54
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen 133 Edgewater Boulevard, Kilworth 1st	01-Sep-22 14:41	6.5	10.0	7.81	0.01
9: TAP-PR Kitchen 133 Edgewater Boulevard, Kilworth 2nd	01-Sep-22 14:41	6.1	10.0	7.81	0.01

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Parameter	Description	SGS Method Code
Lead	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006

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Works #: 260004202

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15-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
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N0M 2A0, Canada

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

Date Rec. : 09 September 2022
LR Report: CA30161-SEP22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	15-Sep-22
2: Analysis Start Time		---	---	---	06:30
3: Analysis Completed Date		---	---	---	15-Sep-22
4: Analysis Completed Time		---	---	---	11:43
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen Tap 26 Meredith Dr 1st	09-Sep-22 10:24	14.8	19.0	8.5	0.05
9: TAP-PR Kitchen Tap 26 Meredith Dr 2nd	09-Sep-22 10:24	14.8	19.0	8.5	0.10

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006

Carrie Greenlaw
Project Specialist,
Environment, Health & Safety



Works #: 260004202

SGS Canada Inc.

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20-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Date Rec. : 13 September 2022
LR Report: CA30199-SEP22

Copy: #1

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	20-Sep-22
2: Analysis Start Time		---	---	---	07:00
3: Analysis Completed Date		---	---	---	20-Sep-22
4: Analysis Completed Time		---	---	---	11:15
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen Tap 32 Stone Field Lane, Ilderton 1st	13-Sep-22 10:12	15.3	11.0	8.6	0.01 <MDL
9: TAP-PR Kitchen Tap 32 Stone Field Lane, Ilderton 2nd	13-Sep-22 10:12	16.9	11.0	8.6	0.01 <MDL

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Parameter	Description	SGS Method Code
Lead	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006

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Project Specialist,
Environment, Health & Safety



Works #: 260004202

SGS Canada Inc.

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

07-October-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 29 September 2022
LR Report: CA30582-SEP22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	07-Oct-22
2: Analysis Start Time		---	---	---	07:00
3: Analysis Completed Date		---	---	---	07-Oct-22
4: Analysis Completed Time		---	---	---	12:13
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen 156 Martin Drive, Ilderton 1st	28-Sep-22 09:35	7.9	8.0	7.4	0.03
9: TAP-PR Kitchen 156 Martin Drive, Ilderton 2nd	28-Sep-22 09:35	7.9	8.0	7.4	0.04
10: TAP-PR Kitchen 31 Ilderbrook Circle, Ilderton 1st	28-Sep-22 13:45	7.9	8.0	7.1	0.06
11: TAP-PR Kitchen 31 Ilderbrook Circle, Ilderton 2nd	28-Sep-22 13:45	7.9	8.0	7.1	0.06

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


 Carrie Greenlaw
 Project Specialist,
 Environment, Health & Safety



Works #: 260004202

SGS Canada Inc.

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Lakefield - Ontario - K0L 2H0
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17-October-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Date Rec. : 07 October 2022
LR Report: CA30171-OCT22

Copy: #1

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

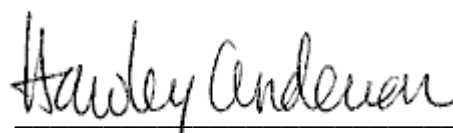
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH no unit	Lead ug/L
1: Analysis Start Date		---	---	---	14-Oct-22
2: Analysis Start Time		---	---	---	09:00
3: Analysis Completed Date		---	---	---	17-Oct-22
4: Analysis Completed Time		---	---	---	09:51
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen Tap 1 Havenwood Ln., Ilderton 1st	06-Oct-22 12:40	7.3	8.0	8.6	0.02
9: TAP-PR Kitchen Tap 1 Havenwood Ln., Ilderton 2nd	06-Oct-22 12:40	8.1	8.0	8.6	0.02

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Parameter	Description	SGS Method Code
Lead	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


Hawley Anderson, Hon.B.Sc
Project Specialist,
Environment, Health & Safety



Works #: 260002915

SGS Canada Inc.

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

17-October-2022

Mun of Middlesex Centre (Melrose)

Attn : Brian Watson

Date Rec. : 07 October 2022
LR Report: CA30172-OCT22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

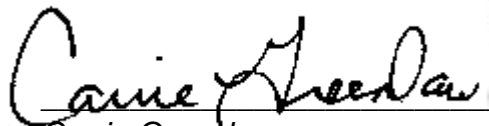
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH no unit	Lead ug/L
1: Analysis Start Date		---	---	---	14-Oct-22
2: Analysis Start Time		---	---	---	09:00
3: Analysis Completed Date		---	---	---	17-Oct-22
4: Analysis Completed Time		---	---	---	09:51
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: DW Kitchen Tap 132 Martin Drive, Ilderton 1st	07-Oct-22 08:26	15.2	8.0	8.7	0.04
9: DW Kitchen Tap 132 Martin Drive, Ilderton 2nd	07-Oct-22 08:26	17.0	8.0	8.7	0.13

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


Carrie Greenlaw
Project Specialist,
Environment, Health & Safety

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14-October-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 11 October 2022
LR Report: CA30178-OCT22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	14-Oct-22
2: Analysis Start Time		---	---	---	08:11
3: Analysis Completed Date		---	---	---	14-Oct-22
4: Analysis Completed Time		---	---	---	13:35
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen 309 George St- Ilderton 1st	10-Oct-22 08:35	7.4	9.0	8.5	0.09
9: TAP-PR Kitchen 309 George St- Ilderton 2nd	10-Oct-22 08:35	8.1	9.0	8.5	0.10

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


 Carrie Greenlaw
 Project Specialist,
 Environment, Health & Safety

SGS Canada Inc.

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Lakefield - Ontario - K0L 2H0
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18-October-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 13 October 2022
LR Report: CA30263-OCT22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

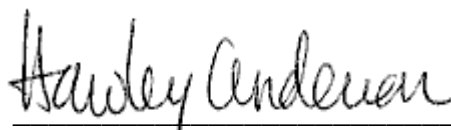
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	17-Oct-22
2: Analysis Start Time		---	---	---	15:30
3: Analysis Completed Date		---	---	---	18-Oct-22
4: Analysis Completed Time		---	---	---	09:22
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen 48 Ashwood Cres - Ilderton 1st	11-Oct-22 11:35	7.7	6.0	8.1	0.17
9: TAP-PR Kitchen 48 Ashwood Cres - Ilderton 2nd	11-Oct-22 11:35	8.6	6.0	8.1	0.02

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Parameter	Description	SGS Method Code
Lead	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


Hawley Anderson, Hon.B.Sc
Project Specialist,
Environment, Health & Safety



Works #: 260004202

SGS Canada Inc.

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Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

18-October-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Date Rec. : 12 October 2022
LR Report: CA30264-OCT22

Copy: #1

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

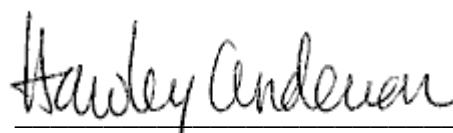
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Field pH	Lead ug/L
1: Analysis Start Date		---	---	---	17-Oct-22
2: Analysis Start Time		---	---	---	15:30
3: Analysis Completed Date		---	---	---	18-Oct-22
4: Analysis Completed Time		---	---	---	09:23
5: MAC		---	---	---	10
6: AO/OG		---	---	6.5-8.5	---
7: MDL		---	---	---	0.01
8: TAP-PR Kitchen Tap 161 Martin Dr. - Ilderton 1st	12-Oct-22 14:37	17.6	6.0	8.5	0.06
9: TAP-PR Kitchen Tap 161 Martin Dr. - Ilderton 2nd	12-Oct-22 14:37	18.3	6.0	8.5	0.05

MAC - Maximum Acceptable Concentration
AO/OG - Aesthetic Objective / Operational Guideline
MDL - SGS Method Detection Limit

Method Descriptions

Parameter	Description	SGS Method Code
Lead	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006


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SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

07-January-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 04 January 2022
LR Report: CA20029-JAN22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Sampled By	Temperature Upon Receipt	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date			---	---	04-Jan-22	04-Jan-22	04-Jan-22	04-Jan-22
2: Analysis Start Time			---	---	16:45	16:45	16:45	16:00
3: Analysis Completed Date			---	---	06-Jan-22	06-Jan-22	06-Jan-22	06-Jan-22
4: Analysis Completed Time			---	---	15:07	15:07	15:07	15:07
5: MAC			---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	03-Jan-22 13:30	Cromwell Damile	6.8	0.83	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	03-Jan-22 13:00	Cromwell Damile	6.8	0.85	0	0	0	---
8: 1A0DC DW Denfield Sample Station	03-Jan-22 11:26	Cromwell Damile	6.8	1.32	0	0	0	---
9: 3604D DW Ilderton PS1	03-Jan-22 10:46	Cromwell Damile	6.8	1.26	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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London - Ontario - N6E 2S8
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07-January-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 04 January 2022
LR Report: CA20030-JAN22

10227 Ilderton Rd., Ilderton
Canada, N0M 2A0
Phone: 519-666-0190, Fax:519-666-0271

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	04-Jan-22	04-Jan-22	04-Jan-22	04-Jan-22
2: Analysis Start Time		---	---	16:45	16:45	16:45	16:00
3: Analysis Completed Date		---	---	06-Jan-22	06-Jan-22	06-Jan-22	06-Jan-22
4: Analysis Completed Time		---	---	15:08	15:08	15:08	15:08
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	03-Jan-22 10:30	8.3	1.16	0	0	0	< 10
7: 36023 DW Delaware Water Tower	03-Jan-22 11:14	8.3	0.97	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
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N0M 2A0, Canada

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

Works #: 260004202

11-January-2022

Date Rec. : 04 January 2022
LR Report: CA30012-JAN22

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MAC	8: MDL	9: 36050 DW Komoka Water Tower
Sample Date & Time							03-Jan-22 10:30
Temperature Upon Receipt [at London Lab °C]	---	---	---	---	---	---	8.3
Temperature Upon Receipt [at Lakefield Lab °C]	---	---	---	---	---	---	6.0
Field Free Chlorine [mg/L]	---	---	---	---	---	---	1.16
Trihalomethanes (total) [ug/L]	06-Jan-22	17:05	10-Jan-22	13:41	100 (RAA)	0.37	25
Bromodichloromethane [ug/L]	06-Jan-22	17:05	10-Jan-22	13:41	---	0.26	7.1
Bromoform [ug/L]	06-Jan-22	17:05	10-Jan-22	13:41	---	0.34	0.34 <MDL
Chloroform [ug/L]	06-Jan-22	17:05	10-Jan-22	13:41	---	0.29	15
Dibromochloromethane [ug/L]	06-Jan-22	17:05	10-Jan-22	13:41	---	0.37	2.8
Total Haloacetic Acids (HAA5) [ug/L]	06-Jan-22	08:04	10-Jan-22	13:36	80 (RAA)	5.3	14.7
Chloroacetic Acid [ug/L]	06-Jan-22	08:04	10-Jan-22	13:36	---	4.7	4.7 <MDL
Bromoacetic Acid [ug/L]	06-Jan-22	08:04	10-Jan-22	13:36	---	2.9	2.9 <MDL
Dichloroacetic Acid [ug/L]	06-Jan-22	08:04	10-Jan-22	13:36	---	2.6	7.9
Dibromoacetic Acid [ug/L]	06-Jan-22	08:04	10-Jan-22	13:36	---	2.0	2.0 <MDL
Trichloroacetic Acid [ug/L]	06-Jan-22	08:04	10-Jan-22	13:36	---	5.3	6.8

MAC - Maximum Acceptable Concentration
MDL - SGS Method Detection Limit



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

Works #: 260004202

LR Report : CA30012-JAN22

Method Descriptions

Parameter	Description	SGS Method Code
Bromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Bromodichloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Bromoform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Chloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Chloroform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Dibromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Dibromochloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Dichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Total Haloacetic Acids (HAA5)	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Trichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Trihalomethanes (total)	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004

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13-January-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 11 January 2022
LR Report: CA20356-JAN22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

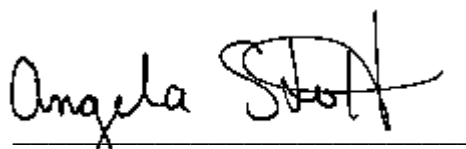
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	11-Jan-22	11-Jan-22	11-Jan-22	11-Jan-22
2: Analysis Start Time		---	---	13:35	13:35	13:35	12:10
3: Analysis Completed Date		---	---	13-Jan-22	13-Jan-22	13-Jan-22	13-Jan-22
4: Analysis Completed Time		---	---	11:38	11:38	11:38	11:38
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	10-Jan-22 14:10	-2.0	0.92	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	10-Jan-22 13:15	-2.0	0.85	0	0	0	---
8: 1A0DC DW Denfield Sample Station	10-Jan-22 11:10	-2.0	1.26	0	0	0	---
9: 3604D DW Ilderton PS1	10-Jan-22 09:25	-2.0	1.17	0	0	0	---

MAC - Maximum Acceptable Concentration
Not visible.

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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13-January-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 11 January 2022
LR Report: CA20358-JAN22

10227 Ilderton Rd.
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N0M 2A0, Canada

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

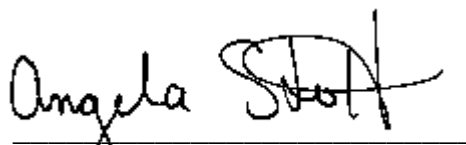
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	11-Jan-22	11-Jan-22	11-Jan-22	11-Jan-22
2: Analysis Start Time		---	---	13:35	13:35	13:35	12:10
3: Analysis Completed Date		---	---	13-Jan-22	13-Jan-22	13-Jan-22	13-Jan-22
4: Analysis Completed Time		---	---	11:43	11:43	11:43	11:43
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	10-Jan-22 09:43	0.9	1.31	0	0	0	< 10
7: 36023 DW Delaware Water Tower	10-Jan-22 08:57	1.1	1.00	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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Works #: 260004202

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657 Consortium Court
 London - Ontario - N6E 2S8
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20-January-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 18 January 2022
 LR Report: CA20604-JAN22

10227 Ilderton Rd.
 Ilderton, ON
 N0M 2A0, Canada

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL
1: Analysis Start Date		---	---	18-Jan-22	18-Jan-22	18-Jan-22
2: Analysis Start Time		---	---	13:00	13:00	13:00
3: Analysis Completed Date		---	---	20-Jan-22	20-Jan-22	20-Jan-22
4: Analysis Completed Time		---	---	15:45	15:45	15:45
5: MAC		---	---	0	0	---
6: 1A0D7 DW Arva Fire Hall	17-Jan-22 14:25	6.8	1.05	0	0	0
7: 1A0D9 DW Ballymote Sample Station	17-Jan-22 13:45	6.8	1.01	0	0	0
8: 1A0DC DW Denfield Sample Station	17-Jan-22 10:57	6.8	1.31	0	0	0
9: 3604D DW Ilderton PS1	17-Jan-22 09:38	6.8	1.31	0	0	0

Sample ID	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date	18-Jan-22
2: Analysis Start Time	12:00
3: Analysis Completed Date	20-Jan-22
4: Analysis Completed Time	15:45
5: MAC	---
6: 1A0D7 DW Arva Fire Hall	< 10
7: 1A0D9 DW Ballymote Sample Station	---
8: 1A0DC DW Denfield Sample Station	---
9: 3604D DW Ilderton PS1	---

MAC - Maximum Acceptable Concentration

Method Descriptions

SGS Canada Inc.

657 Consortium Court
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LR Report : CA20604-JAN22

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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 Project Specialist-London,
 Environment, Health & Safety

SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
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20-January-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 18 January 2022
LR Report: CA20602-JAN22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL
1: Analysis Start Date		---	---	18-Jan-22	18-Jan-22	18-Jan-22
2: Analysis Start Time		---	---	13:00	13:00	13:00
3: Analysis Completed Date		---	---	20-Jan-22	20-Jan-22	20-Jan-22
4: Analysis Completed Time		---	---	15:45	15:45	15:45
5: MAC		---	---	0	0	---
6: 36050 DW Komoka Water Tower	17-Jan-22 14:36	6.8	1.21	0	0	0
7: 36023 DW Delaware Water Tower	17-Jan-22 13:48	6.8	1.26	0	0	0

Sample ID	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date	18-Jan-22
2: Analysis Start Time	12:00
3: Analysis Completed Date	20-Jan-22
4: Analysis Completed Time	15:45
5: MAC	---
6: 36050 DW Komoka Water Tower	< 10
7: 36023 DW Delaware Water Tower	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



Works #: 260004202

SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
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LR Report : CA20602-JAN22

Parameter	Description	SGS Method Code
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001

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28-January-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 25 January 2022
LR Report: CA20986-JAN22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

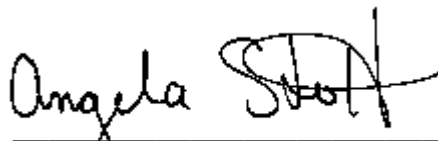
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	26-Jan-22	26-Jan-22	26-Jan-22	26-Jan-22
2: Analysis Start Time		---	---	10:50	10:50	10:50	10:10
3: Analysis Completed Date		---	---	28-Jan-22	28-Jan-22	28-Jan-22	28-Jan-22
4: Analysis Completed Time		---	---	10:02	10:02	10:02	10:02
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	24-Jan-22 14:47	5.0	1.06	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	24-Jan-22 14:38	5.0	0.98	0	0	0	---
8: 1A0DC DW Denfield Dn - 04(Hyd)	24-Jan-22 13:11	5.0	1.43	0	0	0	---
9: 3604D DW Ilderton PS1	24-Jan-22 11:55	5.0	1.35	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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27-January-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 25 January 2022
LR Report: CA20938-JAN22

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	25-Jan-22	25-Jan-22	25-Jan-22	25-Jan-22
2: Analysis Start Time		---	---	13:00	13:00	13:00	12:10
3: Analysis Completed Date		---	---	27-Jan-22	27-Jan-22	27-Jan-22	27-Jan-22
4: Analysis Completed Time		---	---	16:05	16:05	16:05	16:05
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	24-Jan-22 13:41	5.0	1.25	0	0	0	< 10
7: 36023 DW Delaware Water Tower	24-Jan-22 11:35	5.0	1.11	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

03-February-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 01 February 2022
LR Report: CA20035-FEB22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	01-Feb-22	01-Feb-22	01-Feb-22	01-Feb-22
2: Analysis Start Time		---	---	13:45	13:45	13:45	12:55
3: Analysis Completed Date		---	---	03-Feb-22	03-Feb-22	03-Feb-22	03-Feb-22
4: Analysis Completed Time		---	---	10:30	10:30	10:30	10:30
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	31-Jan-22 11:46	5.3	1.01	0	0	0	< 10
7: 1A0D9 DW Ballymote Petro Canada	31-Jan-22 11:25	5.3	1.05	0	0	0	---
8: 1A0DC DW Denfield Hydrant 04	31-Jan-22 09:40	5.3	1.29	0	0	0	---
9: 3604D DW Ilderton PS1	31-Jan-22 08:55	5.3	1.34	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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03-February-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 01 February 2022
LR Report: CA20034-FEB22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

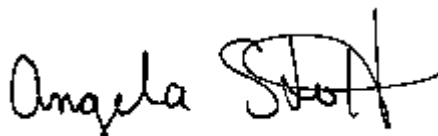
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	01-Feb-22	01-Feb-22	01-Feb-22	01-Feb-22
2: Analysis Start Time		---	---	13:45	13:45	13:45	12:55
3: Analysis Completed Date		---	---	03-Feb-22	03-Feb-22	03-Feb-22	03-Feb-22
4: Analysis Completed Time		---	---	10:30	10:30	10:30	10:30
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	31-Jan-22 09:24	6.1	1.27	0	0	0	< 10
7: 36023 DW Delaware Water Tower	31-Jan-22 13:54	6.8	1.17	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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10-February-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 08 February 2022
LR Report: CA20293-FEB22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	08-Feb-22	08-Feb-22	08-Feb-22	08-Feb-22
2: Analysis Start Time		---	---	12:30	12:30	12:30	11:50
3: Analysis Completed Date		---	---	10-Feb-22	10-Feb-22	10-Feb-22	10-Feb-22
4: Analysis Completed Time		---	---	13:38	13:38	13:38	13:38
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	07-Feb-22 13:26	3.1	1.04	0	0	0	10
7: 1A0D9 DW Ballymote Sample Station	07-Feb-22 12:54	3.1	0.91	0	0	0	---
8: 1A0DC DW Denfield Sample Station	07-Feb-22 10:20	3.1	1.26	0	0	0	---
9: 3604D DW Ilderton PS1	07-Feb-22 08:49	3.1	1.31	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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Works #: 260004202

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10-February-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 08 February 2022
LR Report: CA20295-FEB22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	08-Feb-22	08-Feb-22	08-Feb-22	08-Feb-22
2: Analysis Start Time		---	---	12:30	12:30	12:30	11:50
3: Analysis Completed Date		---	---	10-Feb-22	10-Feb-22	10-Feb-22	10-Feb-22
4: Analysis Completed Time		---	---	13:38	13:38	13:38	13:38
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	07-Feb-22 10:24	3.1	1.31	0	0	0	< 10
7: 36023 DW Delaware Water Tower	07-Feb-22 13:17	3.1	1.20	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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17-February-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 15 February 2022
LR Report: CA20607-FEB22

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N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	15-Feb-22	15-Feb-22	15-Feb-22	15-Feb-22
2: Analysis Start Time		---	---	12:25	12:25	12:25	11:40
3: Analysis Completed Date		---	---	17-Feb-22	17-Feb-22	17-Feb-22	17-Feb-22
4: Analysis Completed Time		---	---	11:46	11:46	11:46	11:46
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	14-Feb-22 12:53	3.1	1.07	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	14-Feb-22 12:14	3.1	0.88	0	0	0	---
8: 1A0DC DW Denfield Sample Station	14-Feb-22 11:01	3.1	1.22	0	0	0	---
9: 3604D DW Ilderton PS1	14-Feb-22 09:29	3.1	1.29	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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17-February-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 15 February 2022
LR Report: CA20606-FEB22

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CERTIFICATE OF ANALYSIS

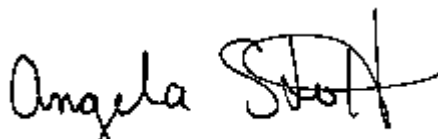
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	15-Feb-22	15-Feb-22	15-Feb-22	15-Feb-22
2: Analysis Start Time		---	---	12:25	12:25	12:25	11:40
3: Analysis Completed Date		---	---	17-Feb-22	17-Feb-22	17-Feb-22	17-Feb-22
4: Analysis Completed Time		---	---	11:46	11:46	11:46	11:46
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	14-Feb-22 08:48	3.1	1.40	0	0	0	< 10
7: 36023 DW Delaware Water Tower	14-Feb-22 11:49	3.1	1.20	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd., Ilderton
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 Phone: 519-666-0190, Fax:519-666-0271

25-February-2022

Date Rec. : 22 February 2022
LR Report: CA20884-FEB22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	22-Feb-22	22-Feb-22	22-Feb-22	22-Feb-22
2: Analysis Start Time		---	---	15:15	15:15	15:15	14:40
3: Analysis Completed Date		---	---	25-Feb-22	25-Feb-22	25-Feb-22	25-Feb-22
4: Analysis Completed Time		---	---	06:58	06:58	06:58	06:58
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	21-Feb-22 12:10	3.3	1.02	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	21-Feb-22 11:30	3.3	0.97	0	0	0	---
8: 1A0DC DW Denfield Sample Station	21-Feb-22 13:15	3.3	1.25	0	0	0	---
9: 3604D DW Ilderton PS1	21-Feb-22 13:55	3.3	1.28	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



SGS Canada Inc.

657 Consortium Court

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Works #: 260004202

LR Report : CA20884-FEB22

Cristal Schuster

*Project Specialist-London,
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25-February-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 22 February 2022
LR Report: CA20886-FEB22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	22-Feb-22	22-Feb-22	22-Feb-22	22-Feb-22
2: Analysis Start Time		---	---	15:15	15:15	15:15	14:40
3: Analysis Completed Date		---	---	25-Feb-22	25-Feb-22	25-Feb-22	25-Feb-22
4: Analysis Completed Time		---	---	06:59	06:59	06:59	06:59
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	21-Feb-22 11:40	3.3	1.40	0	0	0	< 10
7: 36023 DW Delaware Water Tower	21-Feb-22 10:00	3.3	1.20	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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Works #: 260004202

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657 Consortium Court
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04-March-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 01 March 2022
 LR Report: CA20089-MAR22

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 N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL
1: Analysis Start Date		---	---	01-Mar-22	01-Mar-22	01-Mar-22
2: Analysis Start Time		---	---	16:20	16:20	16:20
3: Analysis Completed Date		---	---	03-Mar-22	03-Mar-22	03-Mar-22
4: Analysis Completed Time		---	---	16:12	16:12	16:12
5: MAC		---	---	0	0	---
6: 1A0D7 DW Arva Fire Hall	28-Feb-22 11:22	11.4	1.01	0	0	0
7: 1A0DC DW Denfield Sample Station	28-Feb-22 09:22	11.4	1.12	0	0	0
8: 3604D DW Ilderton PS1	28-Feb-22 08:39	11.4	0.89	0	0	0
9: 1A0D9 DW Ballymote Petro-Canada 21554 Highbury Ave N.	28-Feb-22 10:47	11.4	1.06	0	0	0

Sample ID	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date	01-Mar-22
2: Analysis Start Time	15:50
3: Analysis Completed Date	03-Mar-22
4: Analysis Completed Time	16:12
5: MAC	---
6: 1A0D7 DW Arva Fire Hall	< 10
7: 1A0DC DW Denfield Sample Station	---
8: 3604D DW Ilderton PS1	---
9: 1A0D9 DW Ballymote Petro-Canada 21554 Highbury Ave N.	---

MAC - Maximum Acceptable Concentration

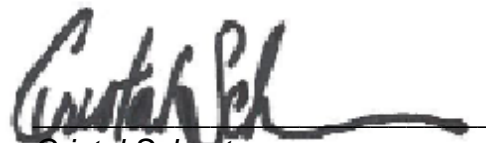
Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001

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LR Report : CA20089-MAR22



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04-March-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 01 March 2022
LR Report: CA20090-MAR22

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Ilderton, ON
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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	01-Mar-22	01-Mar-22	01-Mar-22	01-Mar-22
2: Analysis Start Time		---	---	16:20	16:20	16:20	15:50
3: Analysis Completed Date		---	---	03-Mar-22	03-Mar-22	03-Mar-22	03-Mar-22
4: Analysis Completed Time		---	---	16:12	16:12	16:12	16:12
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	28-Feb-22 10:51	11.4	1.23	0	0	0	< 10
7: 36023 DW Delaware Water Tower	28-Feb-22 09:19	11.4	1.24	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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London - Ontario - N6E 2S8
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10-March-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 08 March 2022
LR Report: CA20341-MAR22

10227 Ilderton Rd.
Ilderton, ON
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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	08-Mar-22	08-Mar-22	08-Mar-22	08-Mar-22
2: Analysis Start Time		---	---	13:20	13:20	13:20	12:45
3: Analysis Completed Date		---	---	10-Mar-22	10-Mar-22	10-Mar-22	10-Mar-22
4: Analysis Completed Time		---	---	14:58	14:58	14:58	14:58
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	07-Mar-22 12:46	4.4	0.92	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	07-Mar-22 12:31	4.4	1.00	0	0	0	---
8: 1A0DC DW Denfield Sample Station	07-Mar-22 10:42	4.4	1.08	0	0	0	---
9: 3604D DW Ilderton PS1	07-Mar-22 09:42	4.4	1.25	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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London - Ontario - N6E 2S8
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10-March-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 08 March 2022
LR Report: CA20344-MAR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	08-Mar-22	08-Mar-22	08-Mar-22	08-Mar-22
2: Analysis Start Time		---	---	13:20	13:20	13:20	12:45
3: Analysis Completed Date		---	---	10-Mar-22	10-Mar-22	10-Mar-22	10-Mar-22
4: Analysis Completed Time		---	---	15:00	15:00	15:00	15:00
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	07-Mar-22 12:34	4.4	1.15	0	0	0	< 10
7: 36023 DW Delaware Water Tower	07-Mar-22 10:07	4.4	0.95	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


Cristal Schuster
Project Specialist-London,
Environment, Health & Safety

SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

18-March-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 15 March 2022
LR Report: CA20641-MAR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCl Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	15-Mar-22	15-Mar-22	15-Mar-22	15-Mar-22
2: Analysis Start Time		---	---	14:55	14:55	14:55	14:20
3: Analysis Completed Date		---	---	18-Mar-22	18-Mar-22	18-Mar-22	18-Mar-22
4: Analysis Completed Time		---	---	09:01	09:01	09:01	09:01
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	14-Mar-22 15:07	5.8	0.82	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	14-Mar-22 13:32	5.8	0.91	0	0	0	---
8: 1A0DC DW Denfield Sample Station	14-Mar-22 11:58	5.8	1.16	0	0	0	---
9: 3604D DW Ilderton PS1	14-Mar-22 10:04	5.8	1.26	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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18-March-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 15 March 2022
LR Report: CA20640-MAR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	15-Mar-22	15-Mar-22	15-Mar-22	15-Mar-22
2: Analysis Start Time		---	---	14:55	14:55	14:55	14:20
3: Analysis Completed Date		---	---	18-Mar-22	18-Mar-22	18-Mar-22	18-Mar-22
4: Analysis Completed Time		---	---	09:01	09:01	09:01	09:01
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	14-Mar-22 11:37	5.8	1.18	0	0	0	< 10
7: 36023 DW Delaware Water Tower	14-Mar-22 09:27	5.8	1.17	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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London - Ontario - N6E 2S8
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25-March-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 22 March 2022
LR Report: CA20978-MAR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

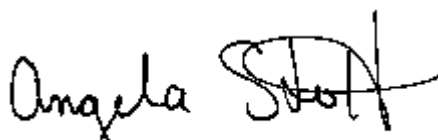
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	22-Mar-22	22-Mar-22	22-Mar-22	22-Mar-22
2: Analysis Start Time		---	---	16:20	16:20	16:20	15:36
3: Analysis Completed Date		---	---	25-Mar-22	25-Mar-22	25-Mar-22	25-Mar-22
4: Analysis Completed Time		---	---	12:56	12:56	12:56	12:56
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	21-Mar-22 12:47	3.8	0.92	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	21-Mar-22 12:34	3.8	0.79	0	0	0	---
8: 1A0DC DW Denfield Sample Station	21-Mar-22 11:16	3.8	1.04	0	0	0	---
9: 3604D DW Ilderton PS1	21-Mar-22 10:37	3.8	1.21	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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London - Ontario - N6E 2S8
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25-March-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 22 March 2022
LR Report: CA20976-MAR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
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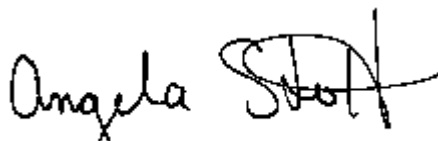
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	22-Mar-22	22-Mar-22	22-Mar-22	22-Mar-22
2: Analysis Start Time		---	---	17:45	17:45	17:45	17:05
3: Analysis Completed Date		---	---	24-Mar-22	24-Mar-22	24-Mar-22	24-Mar-22
4: Analysis Completed Time		---	---	16:24	16:24	16:24	16:24
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	21-Mar-22 10:37	3.8	1.13	0	0	0	< 10
7: 36023 DW Delaware Water Tower	21-Mar-22 09:44	3.8	1.09	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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04-April-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 29 March 2022
LR Report: CA21266-MAR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	29-Mar-22	29-Mar-22	29-Mar-22	29-Mar-22
2: Analysis Start Time		---	---	17:20	17:20	17:20	16:30
3: Analysis Completed Date		---	---	01-Apr-22	01-Apr-22	01-Apr-22	01-Apr-22
4: Analysis Completed Time		---	---	11:07	11:07	11:07	11:07
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	28-Mar-22 12:39	3.3	0.85	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	28-Mar-22 12:00	3.3	0.88	0	0	0	---
8: 1A0DC DW Denfield Sample Station	28-Mar-22 10:25	3.3	0.98	0	0	0	---
9: 3604D DW Ilderton PS1	28-Mar-22 09:30	3.3	1.21	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


Cristal Schuster
Project Specialist-London,
Environment, Health & Safety

SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

04-April-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 29 March 2022
LR Report: CA21267-MAR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	29-Mar-22	29-Mar-22	29-Mar-22	29-Mar-22
2: Analysis Start Time		---	---	17:20	17:20	17:20	16:30
3: Analysis Completed Date		---	---	01-Apr-22	01-Apr-22	01-Apr-22	01-Apr-22
4: Analysis Completed Time		---	---	11:07	11:07	11:07	11:07
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	28-Mar-22 13:32	3.3	1.16	0	0	0	< 10
7: 36023 DW Delaware Water Tower	28-Mar-22 10:14	3.3	1.05	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


Cristal Schuster
 Project Specialist-London,
 Environment, Health & Safety

SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

08-April-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 05 April 2022
LR Report: CA20097-APR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	05-Apr-22	05-Apr-22	05-Apr-22	05-Apr-22
2: Analysis Start Time		---	---	16:15	16:15	16:15	15:45
3: Analysis Completed Date		---	---	08-Apr-22	08-Apr-22	08-Apr-22	08-Apr-22
4: Analysis Completed Time		---	---	10:53	10:53	10:53	10:53
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	04-Apr-22 13:42	7.0	0.92	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	04-Apr-22 13:18	7.0	0.84	0	0	0	---
8: 1A0DC DW Denfield Sample Station	04-Apr-22 10:33	7.0	1.11	0	0	0	---
9: 3604D DW Ilderton PS1	04-Apr-22 10:19	7.0	1.21	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


Cristal Schuster
Project Specialist-London,
Environment, Health & Safety

SGS Canada Inc.
657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

11-April-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Phone: 519-666-0190
Fax: 519-666-0271

Date Rec. : 05 April 2022
LR Report: CA20099-APR22

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CERTIFICATE OF ANALYSIS

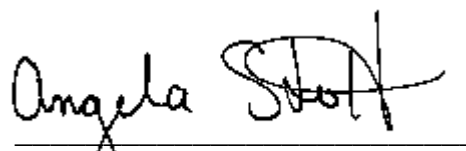
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	05-Apr-22	05-Apr-22	05-Apr-22	05-Apr-22
2: Analysis Start Time		---	---	16:15	16:15	16:15	15:45
3: Analysis Completed Date		---	---	08-Apr-22	08-Apr-22	08-Apr-22	08-Apr-22
4: Analysis Completed Time		---	---	10:55	10:55	10:55	10:55
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	04-Apr-22 10:14	6.6	1.18	0	0	0	< 10
7: 36023 DW Delaware Water Tower	04-Apr-22 12:09	6.6	1.05	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


Angela Stott, B.Sc.
Branch Manager-London
Environment, Health & Safety



SGS Canada Inc.

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Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Phone: 519-666-0190 ext 255
Fax: 519-666-0271

Works #: 260004202

19-April-2022

Date Rec. : 05 April 2022
LR Report: CA30048-APR22

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MAC	8: MDL	9: 36050 DW Komoka Water Tower
Sample Date & Time							04-Apr-22 10:14
Temperature Upon Receipt [at London Lab °C]	---	---	---	---	---	---	6.6
Field Free Chlorine [mg/L]	---	---	---	---	---	---	1.18
Trihalomethanes (total) [ug/L]	14-Apr-22	19:57	18-Apr-22	17:23	100 (RAA)	0.37	26
Bromodichloromethane [ug/L]	14-Apr-22	19:57	18-Apr-22	17:23	--	0.26	6.5
Bromoform [ug/L]	14-Apr-22	19:57	18-Apr-22	17:23	--	0.34	0.34 <MDL
Chloroform [ug/L]	14-Apr-22	19:57	18-Apr-22	17:23	--	0.29	17
Dibromochloromethane [ug/L]	14-Apr-22	19:57	18-Apr-22	17:23	--	0.37	2.0
Total Haloacetic Acids (HAA5) [ug/L]	09-Apr-22	10:44	14-Apr-22	15:52	80 (RAA)	5.3	16.6
Chloroacetic Acid [ug/L]	09-Apr-22	10:44	14-Apr-22	15:52	---	4.7	4.7 <MDL
Bromoacetic Acid [ug/L]	09-Apr-22	10:44	14-Apr-22	15:52	---	2.9	2.9 <MDL
Dichloroacetic Acid [ug/L]	09-Apr-22	10:44	14-Apr-22	15:52	---	2.6	7.7
Dibromoacetic Acid [ug/L]	09-Apr-22	10:44	14-Apr-22	15:52	---	2.0	2.0 <MDL
Trichloroacetic Acid [ug/L]	09-Apr-22	10:44	14-Apr-22	15:52	---	5.3	9.0

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit



SGS Canada Inc.

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Lakefield - Ontario - K0L 2H0

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Works #: 260004202

LR Report : CA30048-APR22

Method Descriptions

Parameter	Description	SGS Method Code
Bromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Bromodichloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Bromoform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Chloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Chloroform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Dibromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Dibromochloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Dichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Total Haloacetic Acids (HAA5)	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Trichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Trihalomethanes (total)	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004

*Hawley Anderson, Hon.B.Sc
Project Specialist,
Environment, Health & Safety*

SGS Canada Inc.

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London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

18-April-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 12 April 2022

LR Report: CA20458-APR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

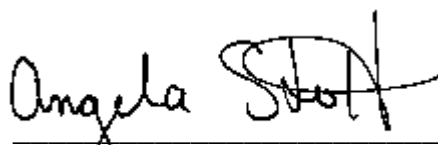
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	12-Apr-22	12-Apr-22	12-Apr-22	12-Apr-22
2: Analysis Start Time		---	---	17:10	17:10	17:10	16:35
3: Analysis Completed Date		---	---	14-Apr-22	14-Apr-22	14-Apr-22	14-Apr-22
4: Analysis Completed Time		---	---	18:47	18:47	18:47	18:47
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	11-Apr-22 12:25	6.8	0.92	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	11-Apr-22 11:35	6.8	0.89	0	0	0	---
8: 1A0DC DW Denfield Sample Station	11-Apr-22 10:18	6.8	1.05	0	0	0	---
9: 3604D DW Ilderton PS1	11-Apr-22 09:19	6.8	1.18	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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18-April-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 12 April 2022

LR Report: CA20457-APR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

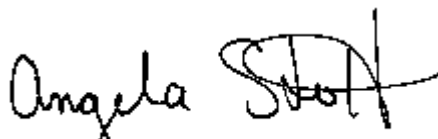
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	12-Apr-22	12-Apr-22	12-Apr-22	12-Apr-22
2: Analysis Start Time		---	---	17:10	17:10	17:10	16:35
3: Analysis Completed Date		---	---	14-Apr-22	14-Apr-22	14-Apr-22	14-Apr-22
4: Analysis Completed Time		---	---	18:46	18:46	18:46	18:46
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	11-Apr-22 11:51	6.8	1.14	0	0	0	< 10
7: 36023 DW Delaware Water Tower	11-Apr-22 10:41	6.8	1.00	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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21-April-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 19 April 2022

LR Report: CA20671-APR22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

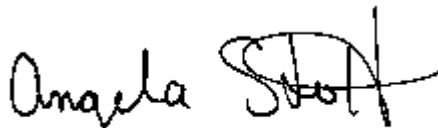
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCl Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	19-Apr-22	19-Apr-22	19-Apr-22	19-Apr-22
2: Analysis Start Time		---	---	13:30	13:30	13:30	12:50
3: Analysis Completed Date		---	---	21-Apr-22	21-Apr-22	21-Apr-22	21-Apr-22
4: Analysis Completed Time		---	---	11:55	11:55	11:55	11:55
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	18-Apr-22 13:32	3.7	0.84	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	18-Apr-22 12:57	3.7	0.89	0	0	0	---
8: 1A0DC DW Denfield Sample Station	18-Apr-22 11:39	3.7	0.98	0	0	0	---
9: 3604D DW Ilderton PS1	18-Apr-22 10:56	3.7	1.09	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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21-April-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 19 April 2022

LR Report: CA20673-APR22

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Ilderton, ON
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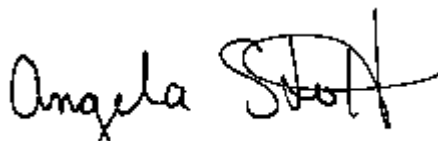
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	19-Apr-22	19-Apr-22	19-Apr-22	19-Apr-22
2: Analysis Start Time		---	---	13:30	13:30	13:30	12:50
3: Analysis Completed Date		---	---	21-Apr-22	21-Apr-22	21-Apr-22	21-Apr-22
4: Analysis Completed Time		---	---	11:56	11:56	11:56	11:56
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	18-Apr-22 09:03	3.7	1.13	0	0	0	< 10
7: 36023 DW Delaware Water Tower	18-Apr-22 11:22	3.7	1.02	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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29-April-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 26 April 2022
LR Report: CA21096-APR22

10227 Ilderton Rd.
Ilderton, ON
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CERTIFICATE OF ANALYSIS

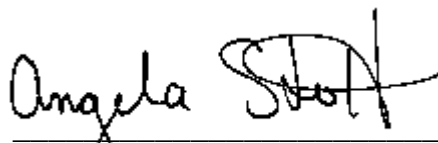
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	26-Apr-22	26-Apr-22	26-Apr-22	26-Apr-22
2: Analysis Start Time		---	---	16:20	16:20	16:20	15:05
3: Analysis Completed Date		---	---	29-Apr-22	29-Apr-22	29-Apr-22	29-Apr-22
4: Analysis Completed Time		---	---	10:05	10:05	10:05	10:05
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	25-Apr-22 11:27	7.0	0.96	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	25-Apr-22 10:54	7.0	0.89	0	0	0	---
8: 1A0DC DW Denfield Sample Station	25-Apr-22 09:15	7.0	1.19	0	0	0	---
9: 3604D DW Ilderton PS1	25-Apr-22 09:30	7.0	1.15	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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29-April-2022

Mun of Middlesex Centre (Middlesex Centre)

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Date Rec. : 26 April 2022
LR Report: CA21097-APR22

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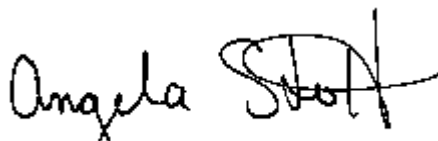
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	26-Apr-22	26-Apr-22	26-Apr-22	26-Apr-22
2: Analysis Start Time		---	---	16:20	16:20	16:20	15:05
3: Analysis Completed Date		---	---	29-Apr-22	29-Apr-22	29-Apr-22	29-Apr-22
4: Analysis Completed Time		---	---	10:05	10:05	10:05	10:05
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	25-Apr-22 09:30	7.0	1.13	0	0	0	< 10
7: 36023 DW Delaware Water Tower	25-Apr-22 11:08	7.0	0.80	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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05-May-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

10227 Ilderton Rd.
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N0M 2A0, Canada

Phone: 519-666-0190
Fax: 519-666-0271

Date Rec. : 03 May 2022
LR Report: CA20089-MAY22

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Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	03-May-22	03-May-22	03-May-22	03-May-22
2: Analysis Start Time		---	---	15:35	15:35	15:35	14:30
3: Analysis Completed Date		---	---	05-May-22	05-May-22	05-May-22	05-May-22
4: Analysis Completed Time		---	---	15:23	15:23	15:23	15:23
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	02-May-22 12:57	4.9	0.90	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	02-May-22 13:17	4.9	0.92	0	0	0	---
8: 1A0DC DW Denfield Sample Station	02-May-22 10:46	4.9	1.06	0	0	0	---
9: 3604D DW Ilderton PS1	02-May-22 09:50	4.9	1.16	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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05-May-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 03 May 2022

LR Report: CA20090-MAY22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	03-May-22	03-May-22	03-May-22	03-May-22
2: Analysis Start Time		---	---	15:35	15:35	15:35	14:30
3: Analysis Completed Date		---	---	05-May-22	05-May-22	05-May-22	05-May-22
4: Analysis Completed Time		---	---	15:23	15:23	15:23	15:23
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	02-May-22 11:03	4.9	1.24	0	0	0	< 10
7: 36023 DW Delaware Water Tower	02-May-22 09:06	4.9	0.80	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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12-May-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 10 May 2022

LR Report: CA20499-MAY22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	10-May-22	10-May-22	10-May-22	10-May-22
2: Analysis Start Time		---	---	17:15	17:15	17:15	16:50
3: Analysis Completed Date		---	---	12-May-22	12-May-22	12-May-22	12-May-22
4: Analysis Completed Time		---	---	15:42	15:42	15:42	15:42
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	09-May-22 12:00	6.9	0.85	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	09-May-22 10:59	6.9	0.89	0	0	0	---
8: 1A0DC DW Denfield Sample Station	09-May-22 09:15	6.9	1.16	0	0	0	---
9: 3604D DW Ilderton PS1	09-May-22 09:30	6.9	1.30	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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12-May-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 10 May 2022

LR Report: CA20500-MAY22

10227 Ilderton Rd., Ilderton

Canada, N0M 2A0

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	10-May-22	10-May-22	10-May-22	10-May-22
2: Analysis Start Time		---	---	17:15	17:15	17:15	16:50
3: Analysis Completed Date		---	---	12-May-22	12-May-22	12-May-22	12-May-22
4: Analysis Completed Time		---	---	15:43	15:43	15:43	15:43
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	09-May-22 10:03	6.9	1.28	0	0	0	< 10
7: 36023 DW Delaware Water Tower	09-May-22 13:25	6.9	0.79	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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20-May-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 17 May 2022

LR Report: CA20807-MAY22

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N0M 2A0, Canada

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Phone: 519-666-0190
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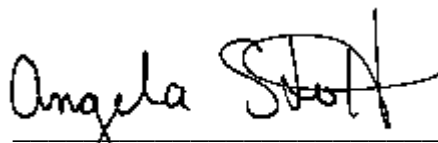
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	17-May-22	17-May-22	17-May-22	17-May-22
2: Analysis Start Time		---	---	13:00	13:00	13:00	12:35
3: Analysis Completed Date		---	---	20-May-22	20-May-22	20-May-22	20-May-22
4: Analysis Completed Time		---	---	08:11	08:11	08:11	08:11
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	16-May-22 12:40	3.9	0.90	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	16-May-22 12:28	3.9	0.90	0	0	0	---
8: 1A0DC DW Denfield Sample Station	16-May-22 10:59	3.9	0.87	0	0	0	---
9: 3604D DW Ilderton PS1	16-May-22 09:48	3.9	1.39	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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20-May-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 17 May 2022

LR Report: CA20809-MAY22

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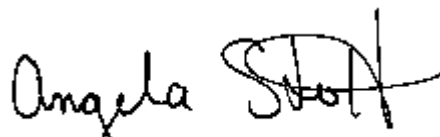
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	17-May-22	17-May-22	17-May-22	17-May-22
2: Analysis Start Time		---	---	13:00	13:00	13:00	12:35
3: Analysis Completed Date		---	---	20-May-22	20-May-22	20-May-22	20-May-22
4: Analysis Completed Time		---	---	08:12	08:12	08:12	08:12
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	16-May-22 09:26	3.9	1.26	0	0	0	< 10
7: 36023 DW Delaware Water Tower	16-May-22 07:57	3.9	0.76	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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SGS Canada Inc.

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26-May-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 24 May 2022

LR Report: CA21127-MAY22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

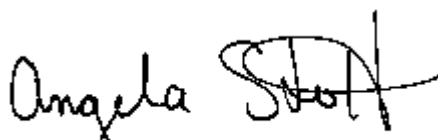
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	24-May-22	24-May-22	24-May-22	24-May-22
2: Analysis Start Time		---	---	16:05	16:05	16:05	15:20
3: Analysis Completed Date		---	---	26-May-22	26-May-22	26-May-22	26-May-22
4: Analysis Completed Time		---	---	14:27	14:27	14:27	14:27
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	23-May-22 14:03	7.1	0.78	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	23-May-22 13:06	7.1	0.81	0	0	0	---
8: 1A0DC DW Denfield Sample Station	23-May-22 11:40	7.1	0.82	0	0	0	---
9: 3604D DW Ilderton PS1	23-May-22 10:55	7.1	1.14	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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26-May-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 24 May 2022

LR Report: CA21126-MAY22

10227 Ilderton Rd., Ilderton

Canada, N0M 2A0

Phone: 519-666-0190, Fax:519-666-0271

Copy: #1

CERTIFICATE OF ANALYSIS

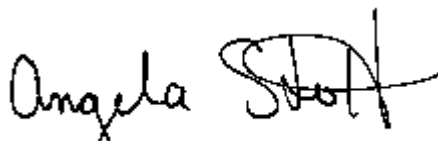
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	24-May-22	24-May-22	24-May-22	24-May-22
2: Analysis Start Time		---	---	16:05	16:05	16:05	15:20
3: Analysis Completed Date		---	---	26-May-22	26-May-22	26-May-22	26-May-22
4: Analysis Completed Time		---	---	14:27	14:27	14:27	14:27
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	23-May-22 11:08	7.1	1.09	0	0	0	< 10
7: 36023 DW Delaware Water Tower	23-May-22 12:26	7.1	0.60	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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03-June-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 31 May 2022

LR Report: CA21519-MAY22

10227 Ilderton Rd., Ilderton

Canada, N0M 2A0

Phone: 519-666-0190, Fax:519-666-0271

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CERTIFICATE OF ANALYSIS

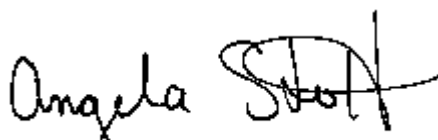
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	31-May-22	31-May-22	31-May-22	31-May-22
2: Analysis Start Time		---	---	14:25	14:25	14:25	13:55
3: Analysis Completed Date		---	---	03-Jun-22	03-Jun-22	03-Jun-22	03-Jun-22
4: Analysis Completed Time		---	---	10:01	10:01	10:01	10:01
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	30-May-22 11:17	8.3	0.83	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	30-May-22 10:41	8.3	0.98	0	0	0	---
8: 1A0DC DW Denfield Sample Station	30-May-22 09:49	8.3	0.96	0	0	0	---
9: 3604D DW Ilderton PS1	30-May-22 09:28	8.3	1.27	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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08-August-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 31 May 2022

LR Report: CA21518-MAY22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

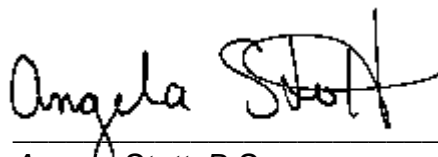
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCl Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	31-May-22	31-May-22	31-May-22	31-May-22
2: Analysis Start Time		---	---	14:25	14:25	14:25	13:55
3: Analysis Completed Date		---	---	03-Jun-22	03-Jun-22	03-Jun-22	03-Jun-22
4: Analysis Completed Time		---	---	10:01	10:01	10:01	10:01
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	30-May-22 09:08	8.3	1.18	0	0	0	< 10
7: 36023 DW Delaware Water Tower	30-May-22 12:25	8.3	0.72	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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10-June-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 07 June 2022
LR Report: CA20292-JUN22

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Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

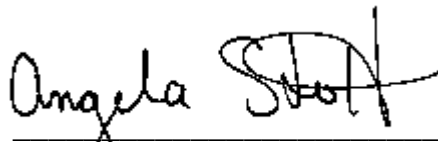
Final Report

Sample ID	Sample Date & Time	Sampled By	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date			---	---	07-Jun-22	07-Jun-22	07-Jun-22	07-Jun-22
2: Analysis Start Time			---	---	19:20	19:20	19:20	18:45
3: Analysis Completed Date			---	---	10-Jun-22	10-Jun-22	10-Jun-22	10-Jun-22
4: Analysis Completed Time			---	---	11:27	11:27	11:27	11:27
5: MAC			---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	06-Jun-22 13:50	Jerdan Small Phillips	7.2	1.00	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	06-Jun-22 14:42	Jerdan Small Phillips	7.2	0.79	0	0	0	---
8: 1A0DC DW Denfield Sample Station	06-Jun-22 10:30	Jerdan Small Phillips	7.2	1.02	0	0	0	---
9: 3604D DW Ilderton PS1	06-Jun-22 09:37	Jerdan Small Phillips	7.2	1.39	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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10-June-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 07 June 2022
LR Report: CA20294-JUN22

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N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

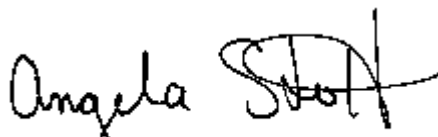
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	07-Jun-22	07-Jun-22	07-Jun-22	07-Jun-22
2: Analysis Start Time		---	---	19:30	19:30	19:30	18:55
3: Analysis Completed Date		---	---	10-Jun-22	10-Jun-22	10-Jun-22	10-Jun-22
4: Analysis Completed Time		---	---	11:29	11:29	11:29	11:29
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	06-Jun-22 11:37	8.5	1.06	0	0	0	< 10
7: 36023 DW Delaware Water Tower	06-Jun-22 08:25	8.5	0.71	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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17-June-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 14 June 2022
LR Report: CA20717-JUN22

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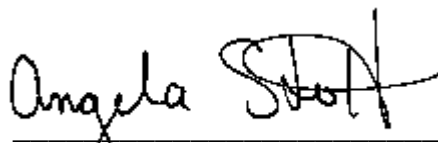
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	15-Jun-22	15-Jun-22	15-Jun-22	15-Jun-22
2: Analysis Start Time		---	---	11:05	11:05	11:05	10:00
3: Analysis Completed Date		---	---	17-Jun-22	17-Jun-22	17-Jun-22	17-Jun-22
4: Analysis Completed Time		---	---	12:20	12:20	12:20	12:20
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	13-Jun-22 14:07	6.9	0.93	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	13-Jun-22 13:56	6.9	0.97	0	0	0	---
8: 1A0DC DW Denfield Sample Station	13-Jun-22 11:27	6.9	0.97	0	0	0	---
9: 3604D DW Ilderton PS1	13-Jun-22 12:01	6.9	1.26	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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17-June-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 14 June 2022
LR Report: CA20718-JUN22

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N0M 2A0, Canada

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Fax: 519-666-0271

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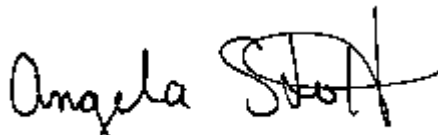
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	14-Jun-22	14-Jun-22	14-Jun-22	14-Jun-22
2: Analysis Start Time		---	---	18:30	18:30	18:30	18:25
3: Analysis Completed Date		---	---	17-Jun-22	17-Jun-22	17-Jun-22	17-Jun-22
4: Analysis Completed Time		---	---	11:54	11:54	11:54	11:54
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	13-Jun-22 08:53	6.9	1.06	0	0	0	< 10
7: 36023 DW Delaware Water Tower	13-Jun-22 11:51	6.9	0.64	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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23-June-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 21 June 2022
LR Report: CA21103-JUN22

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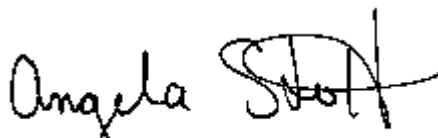
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	21-Jun-22	21-Jun-22	21-Jun-22	21-Jun-22
2: Analysis Start Time		---	---	13:50	13:50	13:50	13:05
3: Analysis Completed Date		---	---	23-Jun-22	23-Jun-22	23-Jun-22	23-Jun-22
4: Analysis Completed Time		---	---	16:18	16:18	16:18	16:18
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	20-Jun-22 11:51	6.9	0.76	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	20-Jun-22 11:38	6.9	0.86	0	0	0	---
8: 1A0DC DW Denfield Sample Station	20-Jun-22 09:42	6.9	0.80	0	0	0	---
9: 3604D DW Ilderton PS1	20-Jun-22 08:52	6.9	1.12	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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23-June-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

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Date Rec. : 21 June 2022
LR Report: CA21104-JUN22

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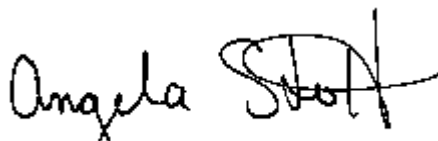
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	21-Jun-22	21-Jun-22	21-Jun-22	21-Jun-22
2: Analysis Start Time		---	---	13:50	13:50	13:50	13:05
3: Analysis Completed Date		---	---	23-Jun-22	23-Jun-22	23-Jun-22	23-Jun-22
4: Analysis Completed Time		---	---	16:18	16:18	16:18	16:18
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	20-Jun-22 10:56	6.4	1.21	0	0	0	< 10
7: 36023 DW Delaware Water Tower	20-Jun-22 08:07	7.5	0.71	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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30-June-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 28 June 2022
LR Report: CA21497-JUN22

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Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	28-Jun-22	28-Jun-22	28-Jun-22	28-Jun-22
2: Analysis Start Time		---	---	12:20	12:20	12:20	11:40
3: Analysis Completed Date		---	---	30-Jun-22	30-Jun-22	30-Jun-22	30-Jun-22
4: Analysis Completed Time		---	---	11:54	11:54	11:54	11:54
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	27-Jun-22 12:34	6.3	0.92	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	27-Jun-22 11:45	6.3	0.81	0	0	0	---
8: 1A0DC DW Denfield Sample Station	27-Jun-22 10:16	6.3	0.90	0	0	0	---
9: 3604D DW Ilderton PS1	27-Jun-22 09:16	6.3	1.31	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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30-June-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 28 June 2022
LR Report: CA21496-JUN22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	28-Jun-22	28-Jun-22	28-Jun-22	28-Jun-22
2: Analysis Start Time		---	---	12:20	12:20	12:20	11:40
3: Analysis Completed Date		---	---	30-Jun-22	30-Jun-22	30-Jun-22	30-Jun-22
4: Analysis Completed Time		---	---	11:54	11:54	11:54	11:54
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	27-Jun-22 09:34	7.2	1.19	0	0	0	< 10
7: 36023 DW Delaware Water Tower	27-Jun-22 13:03	6.4	0.62	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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08-July-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 05 July 2022
LR Report: CA20106-JUL22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	05-Jul-22	05-Jul-22	05-Jul-22	05-Jul-22
2: Analysis Start Time		---	---	14:30	14:30	14:30	14:00
3: Analysis Completed Date		---	---	07-Jul-22	07-Jul-22	07-Jul-22	07-Jul-22
4: Analysis Completed Time		---	---	17:43	17:43	17:43	17:43
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	04-Jul-22 11:20	8.6	0.97	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	04-Jul-22 11:48	8.6	0.88	0	0	0	---
8: 1A0DC DW Denfield Sample Station	04-Jul-22 09:52	8.6	1.08	0	0	0	---
9: 3604D DW Ilderton PS1	04-Jul-22 09:00	8.6	1.21	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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08-July-2022

Mun of Middlesex Centre (Middlesex Centre)
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Date Rec. : 05 July 2022
LR Report: CA20103-JUL22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	05-Jul-22	05-Jul-22	05-Jul-22	05-Jul-22
2: Analysis Start Time		---	---	14:30	14:30	14:30	14:00
3: Analysis Completed Date		---	---	07-Jul-22	07-Jul-22	07-Jul-22	07-Jul-22
4: Analysis Completed Time		---	---	17:42	17:42	17:42	17:42
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	04-Jul-22 09:35	9.0	1.25	0	0	0	< 10
7: 36023 DW Delaware Water Tower	04-Jul-22 10:20	9.0	0.65	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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Fax: 519-666-0271

Works #: 260004202

22-July-2022

Date Rec. : 05 July 2022
LR Report: CA30048-JUL22

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MAC	8: MDL	9: 36050 DW Komoka Water Tower
Sample Date & Time							04-Jul-22 09:35
Temperature Upon Receipt [at London Lab °C]	---	---	---	---	---	---	9.0
Temperature Upon Receipt [at Lakefield Lab °C]	---	---	---	---	---	---	19.0
Field Free Chlorine [mg/L]	---	---	---	---	---	---	1.25
Trihalomethanes (total) [ug/L]	08-Jul-22	08:33	12-Jul-22	16:24	100 (RAA)	0.37	27
Bromodichloromethane [ug/L]	08-Jul-22	08:33	12-Jul-22	16:24	--	0.26	6.9
Bromoform [ug/L]	08-Jul-22	08:33	12-Jul-22	16:24	--	0.34	0.34 <MDL
Chloroform [ug/L]	08-Jul-22	08:33	12-Jul-22	16:24	--	0.29	18
Dibromochloromethane [ug/L]	08-Jul-22	08:33	12-Jul-22	16:24	--	0.37	2.5
Total Haloacetic Acids (HAA5) [ug/L]	15-Jul-22	09:02	22-Jul-22	13:11	80 (RAA)	5.3	8.7
Chloroacetic Acid [ug/L]	15-Jul-22	09:02	22-Jul-22	13:11	---	4.7	4.7 <MDL
Bromoacetic Acid [ug/L]	15-Jul-22	09:02	22-Jul-22	13:11	---	2.9	2.9 <MDL
Dichloroacetic Acid [ug/L]	15-Jul-22	09:02	22-Jul-22	13:11	---	2.6	8.7
Dibromoacetic Acid [ug/L]	15-Jul-22	09:02	22-Jul-22	13:11	---	2.0	2.0 <MDL
Trichloroacetic Acid [ug/L]	15-Jul-22	09:02	22-Jul-22	13:11	---	5.3	5.3 <MDL

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit



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Works #: 260004202

LR Report : CA30048-JUL22

Method Descriptions

Parameter	Description	SGS Method Code
Bromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Bromodichloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Bromoform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Chloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Chloroform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Dibromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Dibromochloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Dichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Total Haloacetic Acids (HAA5)	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Trichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Trihalomethanes (total)	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004

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15-July-2022

Date Rec. : 12 July 2022
LR Report: CA20534-JUL22

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Sampled By	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date			---	---	12-Jul-22	12-Jul-22	12-Jul-22	12-Jul-22
2: Analysis Start Time			---	---	17:35	17:35	17:35	16:25
3: Analysis Completed Date			---	---	14-Jul-22	14-Jul-22	14-Jul-22	14-Jul-22
4: Analysis Completed Time			---	---	17:35	17:35	17:35	17:35
5: MAC			---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	11-Jul-22 13:35	Kirandeep Saini	5.8	1.01	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	11-Jul-22 12:22	Kirandeep Saini	5.8	0.86	0	0	0	---
8: 1A0DC DW Denfield Sample Station	11-Jul-22 10:12	Kirandeep Saini	5.8	1.02	0	0	0	---
9: 3604D DW Ilderton PS1	11-Jul-22 09:46	Kirandeep Saini	5.8	1.38	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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Works #: 260004202

LR Report : CA20534-JUL22

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Environment, Health & Safety*



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15-July-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 12 July 2022
 LR Report: CA20535-JUL22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Sampled By	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date			---	---	12-Jul-22	12-Jul-22	12-Jul-22	12-Jul-22
2: Analysis Start Time			---	---	17:35	17:35	17:35	16:25
3: Analysis Completed Date			---	---	14-Jul-22	14-Jul-22	14-Jul-22	14-Jul-22
4: Analysis Completed Time			---	---	17:35	17:35	17:35	17:35
5: MAC			---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	11-Jul-22 09:21	Jordan Small Phillips	5.2	1.04	0	0	0	< 10
7: 36023 DW Delaware Water Tower	11-Jul-22 10:02	Jordan Small Phillips	6.8	0.56	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001

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22-July-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 19 July 2022
LR Report: CA20895-JUL22

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CERTIFICATE OF ANALYSIS

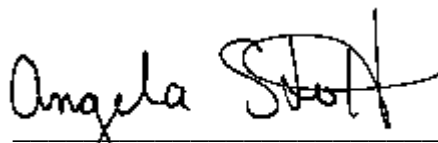
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	19-Jul-22	19-Jul-22	19-Jul-22	19-Jul-22
2: Analysis Start Time		---	---	18:10	18:10	18:10	17:30
3: Analysis Completed Date		---	---	22-Jul-22	22-Jul-22	22-Jul-22	22-Jul-22
4: Analysis Completed Time		---	---	10:20	10:20	10:20	10:20
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	18-Jul-22 10:40	9.9	0.84	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	18-Jul-22 10:30	9.9	0.72	0	0	0	---
8: 1A0DC DW Denfield Sample Station	18-Jul-22 09:10	9.9	0.84	0	0	0	---
9: 3604D DW Ilderton PS1	18-Jul-22 08:35	9.9	1.11	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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22-July-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 19 July 2022
LR Report: CA20894-JUL22

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CERTIFICATE OF ANALYSIS

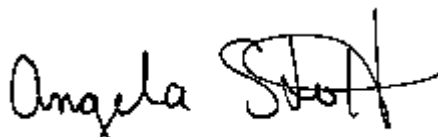
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	19-Jul-22	19-Jul-22	19-Jul-22	19-Jul-22
2: Analysis Start Time		---	---	18:10	18:10	18:10	17:30
3: Analysis Completed Date		---	---	22-Jul-22	22-Jul-22	22-Jul-22	22-Jul-22
4: Analysis Completed Time		---	---	10:20	10:20	10:20	10:20
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	18-Jul-22 09:28	18.3	1.20	0	0	0	< 10
7: 36023 DW Delaware Water Tower	18-Jul-22 10:55	18.3	0.88	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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02-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 26 July 2022
LR Report: CA21357-JUL22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	27-Jul-22	27-Jul-22	27-Jul-22	27-Jul-22
2: Analysis Start Time		---	---	09:50	09:50	09:50	09:30
3: Analysis Completed Date		---	---	29-Jul-22	29-Jul-22	29-Jul-22	29-Jul-22
4: Analysis Completed Time		---	---	12:30	12:30	12:30	12:30
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	25-Jul-22 12:40	11.4	0.68	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	25-Jul-22 11:59	11.4	0.67	0	0	0	---
8: 1A0DC DW Denfield Sample Station	25-Jul-22 10:51	11.4	0.74	0	0	0	---
9: 3604D DW Ilderton PS1	25-Jul-22 10:11	11.4	0.92	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	27-Jul-22	27-Jul-22	27-Jul-22	27-Jul-22
2: Analysis Start Time		---	---	09:50	09:50	09:50	09:30
3: Analysis Completed Date		---	---	29-Jul-22	29-Jul-22	29-Jul-22	29-Jul-22
4: Analysis Completed Time		---	---	12:30	12:30	12:30	12:30
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	25-Jul-22 10:05	11.4	1.08	0	0	0	< 10
7: 36023 DW Delaware Water Tower	25-Jul-22 13:40	11.4	0.34	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


Crista Schuster
 Project Specialist-London,
 Environment, Health & Safety



Works #: 260004202

SGS Canada Inc.

657 Consortium Court
 London - Ontario - N6E 2S8
 Phone: 519-672-4500 FAX: 519-672-0361

05-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 02 August 2022
 LR Report: CA20005-AUG22

10227 Ilderton Rd.
 Ilderton, ON
 N0M 2A0, Canada

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Phone: 519-666-0190
 Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	02-Aug-22	02-Aug-22	02-Aug-22	02-Aug-22
2: Analysis Start Time		---	---	14:10	14:10	14:10	13:25
3: Analysis Completed Date		---	---	04-Aug-22	04-Aug-22	04-Aug-22	04-Aug-22
4: Analysis Completed Time		---	---	15:12	15:12	15:12	15:12
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	01-Aug-22 11:48	6.8	0.59	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	01-Aug-22 11:35	6.8	0.64	0	0	0	---
8: 1A0DC DW Denfield Sample Station	01-Aug-22 13:44	6.8	0.68	0	0	0	---
9: 3604D DW Ilderton PS1	01-Aug-22 10:30	6.8	1.07	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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08-August-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 02 August 2022
LR Report: CA20007-AUG22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	02-Aug-22	02-Aug-22	02-Aug-22	02-Aug-22
2: Analysis Start Time		---	---	14:10	14:10	14:10	13:25
3: Analysis Completed Date		---	---	04-Aug-22	04-Aug-22	04-Aug-22	04-Aug-22
4: Analysis Completed Time		---	---	15:12	15:12	15:12	15:12
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	01-Aug-22 09:55	6.8	1.18	0	0	0	< 10
7: 36023 DW Delaware Water Tower	01-Aug-22 11:21	6.8	0.45	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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12-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 09 August 2022
LR Report: CA20407-AUG22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	09-Aug-22	09-Aug-22	09-Aug-22	09-Aug-22
2: Analysis Start Time		---	---	12:35	12:35	12:35	12:05
3: Analysis Completed Date		---	---	12-Aug-22	12-Aug-22	12-Aug-22	12-Aug-22
4: Analysis Completed Time		---	---	08:18	08:18	08:18	08:18
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	08-Aug-22 11:42	7.4	0.53	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	08-Aug-22 11:08	7.4	0.59	0	0	0	---
8: 1A0DC DW Denfield Sample Station	08-Aug-22 13:14	7.4	0.67	0	0	0	---
9: 3604D DW Ilderton PS1	08-Aug-22 13:40	7.4	0.90	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



Kimberley Didsbury
Project Specialist,
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12-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 09 August 2022
LR Report: CA20410-AUG22

10227 Ilderton Rd.
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N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	09-Aug-22	09-Aug-22	09-Aug-22	09-Aug-22
2: Analysis Start Time		---	---	12:35	12:35	12:35	12:05
3: Analysis Completed Date		---	---	12-Aug-22	12-Aug-22	12-Aug-22	12-Aug-22
4: Analysis Completed Time		---	---	08:22	08:22	08:22	08:22
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	08-Aug-22 08:55	7.4	1.04	1 MAC	0	0	< 10
7: 36023 DW Delaware Water Tower	08-Aug-22 13:27	7.4	0.41	0	0	0	---

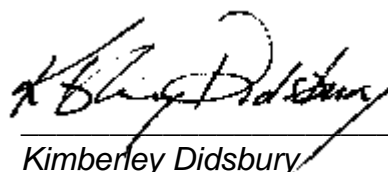
MAC - Maximum Acceptable Concentration

MAC - (ADVERSE) Above Maximum Acceptable Concentration

The AWQI # assigned by the MOECP for the adverse result is: 159493

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



Kimberley Didsbury
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15-August-2022
Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 10 August 2022
LR Report: CA20641-AUG22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Sampled By	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date			---	---	11-Aug-22	11-Aug-22	11-Aug-22	11-Aug-22
2: Analysis Start Time			---	---	12:35	12:35	12:35	12:00
3: Analysis Completed Date			---	---	15-Aug-22	15-Aug-22	15-Aug-22	15-Aug-22
4: Analysis Completed Time			---	---	13:20	13:20	13:20	13:20
5: MAC			---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	10-Aug-22 14:30	Kisandeep Serini	17.1	0.94	0	0	0	10
7: DW KO - 77	10-Aug-22 14:18	Kisandeep Serini	17.1	1.00	0	0	0	---
8: DW KO - 78	10-Aug-22 14:38	Kisandeep Serini	17.1	1.11	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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19-August-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 16 August 2022
LR Report: CA20839-AUG22

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N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

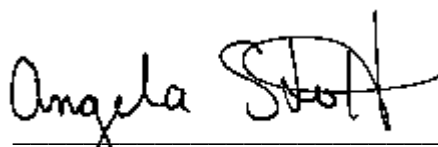
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	16-Aug-22	16-Aug-22	16-Aug-22	16-Aug-22
2: Analysis Start Time		---	---	15:25	15:25	15:25	14:55
3: Analysis Completed Date		---	---	18-Aug-22	18-Aug-22	18-Aug-22	18-Aug-22
4: Analysis Completed Time		---	---	16:07	16:07	16:07	16:07
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	15-Aug-22 13:30	11.7	0.67	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	15-Aug-22 13:25	11.7	0.60	0	0	0	---
8: 1A0DC DW Denfield Sample Station	15-Aug-22 10:40	11.7	0.82	0	0	0	---
9: 3604D DW Ilderton PS1	15-Aug-22 10:10	11.7	1.25	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



Angela Stott, B.Sc.
Branch Manager-London
Environment, Health & Safety



Works #: 260004202

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19-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 16 August 2022
 LR Report: CA20838-AUG22

10227 Ilderton Rd.
 Ilderton, ON
 N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	16-Aug-22	16-Aug-22	16-Aug-22	16-Aug-22
2: Analysis Start Time		---	---	15:25	15:25	15:25	14:55
3: Analysis Completed Date		---	---	18-Aug-22	18-Aug-22	18-Aug-22	18-Aug-22
4: Analysis Completed Time		---	---	16:07	16:07	16:07	16:07
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	15-Aug-22 11:10	12.4	1.11	0	0	0	< 10
7: 36023 DW Delaware Water Tower	15-Aug-22 14:25	12.6	0.45	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001

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26-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 23 August 2022
LR Report: CA21285-AUG22

10227 Ilderton Rd., Ilderton
Canada, N0M 2A0
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CERTIFICATE OF ANALYSIS

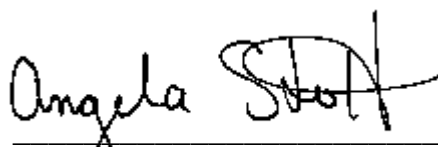
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	23-Aug-22	23-Aug-22	23-Aug-22	23-Aug-22
2: Analysis Start Time		---	---	19:00	19:00	19:00	18:30
3: Analysis Completed Date		---	---	26-Aug-22	26-Aug-22	26-Aug-22	26-Aug-22
4: Analysis Completed Time		---	---	08:52	08:52	08:52	08:52
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	22-Aug-22 14:12	14.4	0.50	0	0	0	80
7: 1A0D9 DW Ballymote Sample Station	22-Aug-22 14:05	14.4	0.79	0	0	0	---
8: 1A0DC DW Denfield Sample Station	22-Aug-22 09:56	14.4	0.83	0	0	0	---
9: 3604D DW Ilderton PS1	22-Aug-22 09:36	14.4	0.97	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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657 Consortium Court
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Phone: 519-672-4500 FAX: 519-672-0361

26-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 23 August 2022
LR Report: CA21286-AUG22

10227 Ilderton Rd., Ilderton
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CERTIFICATE OF ANALYSIS

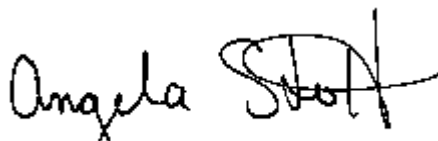
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	23-Aug-22	23-Aug-22	23-Aug-22	23-Aug-22
2: Analysis Start Time		---	---	19:00	19:00	19:00	18:30
3: Analysis Completed Date		---	---	26-Aug-22	26-Aug-22	26-Aug-22	26-Aug-22
4: Analysis Completed Time		---	---	08:53	08:53	08:53	08:53
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	22-Aug-22 14:31	14.4	0.90	0	0	0	< 10
7: 36023 DW Delaware Water Tower	22-Aug-22 09:08	14.4	0.46	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Parameter	Description	SGS Method Code
E.Coli	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Heterotrophic Plate Count (HPC)	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
Total Coliform	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
Total Coliform Background	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



Angela Stott, B.Sc.
Branch Manager-London
Environment, Health & Safety



Works #: 260004202

SGS Canada Inc.

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London - Ontario - N6E 2S8
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02-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 30 August 2022
LR Report: CA21687-AUG22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date		---	---	30-Aug-22	30-Aug-22
2: Analysis Start Time		---	---	17:40	17:40
3: Analysis Completed Date		---	---	02-Sep-22	02-Sep-22
4: Analysis Completed Time		---	---	08:13	08:13
5: MAC		---	---	0	0
6: TW Denfield Water Facility Reservoir - Mixer Installation	29-Aug-22 10:30	4.6	0.81	0	0

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



Crista Schuster
Project Specialist-London,
Environment, Health & Safety

SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
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02-September-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 30 August 2022
LR Report: CA21691-AUG22

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N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	30-Aug-22	30-Aug-22	30-Aug-22	30-Aug-22
2: Analysis Start Time		---	---	17:40	17:40	17:40	17:10
3: Analysis Completed Date		---	---	02-Sep-22	02-Sep-22	02-Sep-22	02-Sep-22
4: Analysis Completed Time		---	---	08:14	08:14	08:14	08:14
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	29-Aug-22 12:53	4.6	0.43	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	29-Aug-22 11:55	4.6	0.55	0	0	0	---
8: 1A0DC DW Denfield Sample Station	29-Aug-22 10:24	4.6	0.63	0	0	0	---
9: 3604D DW Ilderton PS1	29-Aug-22 09:57	4.6	1.10	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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02-September-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 30 August 2022
LR Report: CA21690-AUG22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	30-Aug-22	30-Aug-22	30-Aug-22	30-Aug-22
2: Analysis Start Time		---	---	17:40	17:40	17:40	17:10
3: Analysis Completed Date		---	---	02-Sep-22	02-Sep-22	02-Sep-22	02-Sep-22
4: Analysis Completed Time		---	---	08:13	08:13	08:13	08:13
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	29-Aug-22 09:53	4.6	0.96	0	0	0	< 10
7: 36023 DW Delaware Water Tower	29-Aug-22 08:39	4.6	0.51	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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09-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 06 September 2022
LR Report: CA20088-SEP22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	06-Sep-22	06-Sep-22	06-Sep-22	06-Sep-22
2: Analysis Start Time		---	---	15:00	15:00	15:00	14:30
3: Analysis Completed Date		---	---	08-Sep-22	08-Sep-22	08-Sep-22	08-Sep-22
4: Analysis Completed Time		---	---	17:13	17:13	17:13	17:13
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	05-Sep-22 12:36	6.6	0.50	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	05-Sep-22 11:59	6.6	0.54	0	0	0	---
8: 1A0DC DW Denfield Sample Station	05-Sep-22 10:42	6.6	0.72	0	0	1	---
9: 3604D DW Ilderton PS1	05-Sep-22 10:05	6.6	1.13	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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09-September-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 06 September 2022
LR Report: CA20086-SEP22

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Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

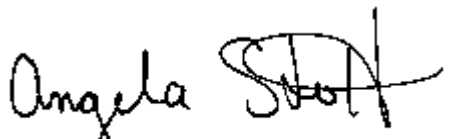
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	06-Sep-22	06-Sep-22	06-Sep-22	06-Sep-22
2: Analysis Start Time		---	---	15:00	15:00	15:00	14:30
3: Analysis Completed Date		---	---	08-Sep-22	08-Sep-22	08-Sep-22	08-Sep-22
4: Analysis Completed Time		---	---	17:12	17:12	17:12	17:12
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	05-Sep-22 11:26	6.8	1.01	0	0	0	10
7: 36023 DW Delaware Water Tower	05-Sep-22 12:58	6.8	0.82	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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16-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 13 September 2022
LR Report: CA20531-SEP22

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	13-Sep-22	13-Sep-22	13-Sep-22	13-Sep-22
2: Analysis Start Time		---	---	15:35	15:35	15:35	14:40
3: Analysis Completed Date		---	---	16-Sep-22	16-Sep-22	16-Sep-22	16-Sep-22
4: Analysis Completed Time		---	---	12:55	12:55	12:55	12:55
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	12-Sep-22 10:10	10.3	0.53	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	12-Sep-22 10:00	10.3	0.63	0	0	0	---
8: 1A0DC DW Denfield Sample Station	12-Sep-22 11:43	10.3	0.83	1 MAC	0	3	---
9: 3604D DW Ilderton PS1	12-Sep-22 12:35	10.3	1.07	0	0	0	---

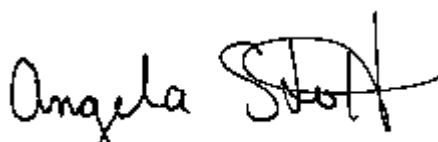
MAC - Maximum Acceptable Concentration

MAC - (ADVERSE) Above Maximum Acceptable Concentration

The AWQI # assigned by the MOECP for the adverse result is: 159981

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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19-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 15 September 2022

LR Report: CA20768-SEP22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCl Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL
1: Analysis Start Date		---	---	15-Sep-22	15-Sep-22	15-Sep-22
2: Analysis Start Time		---	---	16:20	16:20	16:20
3: Analysis Completed Date		---	---	19-Sep-22	19-Sep-22	19-Sep-22
4: Analysis Completed Time		---	---	16:22	16:22	16:22
5: MAC		---	---	0	0	---
6: RESAMPLE 1A0DC DW Denfield Sample Station	14-Sep-22 19:22	8.4	0.75	0	0	0
7: RESAMPLE DW Hydrant On - 02 - 23905 Denfield Road	14-Sep-22 18:34	8.4	0.97	0	0	0
8: RESAMPLE DW Hydrant On - 05, 108 Brookfield Street	14-Sep-22 19:00	8.4	0.78	0	0	0

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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16-September-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 13 September 2022
LR Report: CA20532-SEP22

10227 Ilderton Rd.
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N0M 2A0, Canada

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Phone: 519-666-0190
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CERTIFICATE OF ANALYSIS

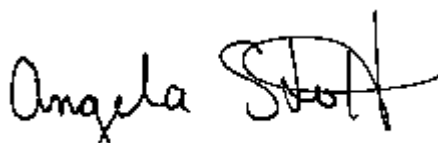
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	13-Sep-22	13-Sep-22	13-Sep-22	13-Sep-22
2: Analysis Start Time		---	---	15:35	15:35	15:35	14:40
3: Analysis Completed Date		---	---	16-Sep-22	16-Sep-22	16-Sep-22	16-Sep-22
4: Analysis Completed Time		---	---	12:56	12:56	12:56	12:56
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	12-Sep-22 11:07	9.1	0.97	0	0	0	< 10
7: 36023 DW Delaware Water Tower	12-Sep-22 12:50	10.4	0.68	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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26-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 20 September 2022
LR Report: CA20911-SEP22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	20-Sep-22	20-Sep-22	20-Sep-22	20-Sep-22
2: Analysis Start Time		---	---	15:00	15:00	15:00	14:35
3: Analysis Completed Date		---	---	22-Sep-22	22-Sep-22	22-Sep-22	22-Sep-22
4: Analysis Completed Time		---	---	16:50	16:50	16:50	16:50
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	19-Sep-22 14:42	10.2	0.50	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	19-Sep-22 13:49	10.2	0.53	0	0	0	---
8: 3604D DW Ilderton PS1	19-Sep-22 10:23	10.2	0.81	0	0	0	---
9: DW Denfield Hydrant Dn-04	19-Sep-22 10:49	10.2	0.91	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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Works #: 260004202

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26-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 20 September 2022
LR Report: CA20909-SEP22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	20-Sep-22	20-Sep-22	20-Sep-22	20-Sep-22
2: Analysis Start Time		---	---	15:00	15:00	15:00	14:35
3: Analysis Completed Date		---	---	22-Sep-22	22-Sep-22	22-Sep-22	22-Sep-22
4: Analysis Completed Time		---	---	16:50	16:50	16:50	16:50
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	19-Sep-22 08:46	10.2	1.00	0	0	0	< 10
7: 36023 DW Delaware Water Tower	19-Sep-22 10:38	10.2	0.69	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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30-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 27 September 2022
LR Report: CA21277-SEP22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	27-Sep-22	27-Sep-22	27-Sep-22	27-Sep-22
2: Analysis Start Time		---	---	12:35	12:35	12:35	12:00
3: Analysis Completed Date		---	---	29-Sep-22	29-Sep-22	29-Sep-22	29-Sep-22
4: Analysis Completed Time		---	---	12:45	12:45	12:45	12:45
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	26-Sep-22 13:59	9.1	0.50	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	26-Sep-22 14:33	9.1	0.47	0	0	0	---
8: 3604D DW Ilderton PS1	26-Sep-22 10:30	9.1	0.91	0	0	0	---
9: 1A0DC DW Hydrant ON-04 (Denfield)	26-Sep-22 11:10	9.1	0.74	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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30-September-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 27 September 2022
LR Report: CA21278-SEP22

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Ilderton, ON
N0M 2A0, Canada

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	27-Sep-22	27-Sep-22	27-Sep-22	27-Sep-22
2: Analysis Start Time		---	---	12:35	12:35	12:35	12:00
3: Analysis Completed Date		---	---	29-Sep-22	29-Sep-22	29-Sep-22	29-Sep-22
4: Analysis Completed Time		---	---	12:46	12:46	12:46	12:46
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	26-Sep-22 10:40	5.9	1.00	0	0	0	< 10
7: 36023 DW Delaware Water Tower	26-Sep-22 08:42	9.3	0.61	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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657 Consortium Court
London - Ontario - N6E 2S8
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06-October-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 04 October 2022

LR Report: CA20095-OCT22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	04-Oct-22	04-Oct-22	04-Oct-22	04-Oct-22
2: Analysis Start Time		---	---	14:10	14:10	14:10	13:45
3: Analysis Completed Date		---	---	06-Oct-22	06-Oct-22	06-Oct-22	06-Oct-22
4: Analysis Completed Time		---	---	15:04	15:04	15:04	15:04
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	03-Oct-22 15:18	7.1	0.68	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	03-Oct-22 15:08	7.1	0.52	0	0	0	---
8: 1A0DC DW Denfield Sample Station	03-Oct-22 11:40	7.1	0.83	0	0	0	---
9: 3604D DW Ilderton PS1	03-Oct-22 09:12	7.1	1.10	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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06-October-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 04 October 2022
LR Report: CA20094-OCT22

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Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	04-Oct-22	04-Oct-22	04-Oct-22	04-Oct-22
2: Analysis Start Time		---	---	14:10	14:10	14:10	13:45
3: Analysis Completed Date		---	---	06-Oct-22	06-Oct-22	06-Oct-22	06-Oct-22
4: Analysis Completed Time		---	---	15:03	15:03	15:03	15:03
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	03-Oct-22 10:10	7.5	0.92	0	0	0	< 10
7: 36023 DW Delaware Water Tower	03-Oct-22 12:06	8.3	0.58	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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Works #: 260004202

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12-October-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 04 October 2022

LR Report: CA30095-OCT22

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Ilderton, ON
N0M 2A0, Canada

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MAC	8: MDL	9: 36050 DW Komoka Water Tower
Sample Date & Time							03-Oct-22 10:10
Temperature Upon Receipt [at London Lab °C]	---	---	---	---	---	---	16.1
Temperature Upon Receipt [at Lakefield Lab °C]	---	---	---	---	---	---	8.0
Trihalomethanes (total) [ug/L]	07-Oct-22	15:07	11-Oct-22	12:10	100 (RAA)	0.37	35
Bromodichloromethane [ug/L]	07-Oct-22	15:07	11-Oct-22	12:10	--	0.26	8.1
Bromoform [ug/L]	07-Oct-22	15:07	11-Oct-22	12:10	--	0.34	0.34 <MDL
Chloroform [ug/L]	07-Oct-22	15:07	11-Oct-22	12:10	--	0.29	23
Dibromochloromethane [ug/L]	07-Oct-22	15:07	11-Oct-22	12:10	--	0.37	3.4
Total Haloacetic Acids (HAA5) [ug/L]	07-Oct-22	14:37	12-Oct-22	10:11	80 (RAA)	5.3	15.7
Chloroacetic Acid [ug/L]	07-Oct-22	14:37	12-Oct-22	10:11	---	4.7	4.7 <MDL
Bromoacetic Acid [ug/L]	07-Oct-22	14:37	12-Oct-22	10:11	---	2.9	2.9 <MDL
Dichloroacetic Acid [ug/L]	07-Oct-22	14:37	12-Oct-22	10:11	---	2.6	10.0
Dibromoacetic Acid [ug/L]	07-Oct-22	14:37	12-Oct-22	10:11	---	2.0	2.0 <MDL
Trichloroacetic Acid [ug/L]	07-Oct-22	14:37	12-Oct-22	10:11	---	5.3	5.7

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
ug/L	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004



Works #: 260004202

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LR Report : CA30095-OCT22

Carrie Greenlaw
Carrie Greenlaw
Project Specialist,
Environment, Health & Safety



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657 Consortium Court

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Works #: 260004202

14-October-2022

Date Rec. : 11 October 2022

LR Report: CA20413-OCT22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	11-Oct-22	11-Oct-22	11-Oct-22	11-Oct-22
2: Analysis Start Time		---	---	13:30	13:30	13:30	13:00
3: Analysis Completed Date		---	---	13-Oct-22	13-Oct-22	13-Oct-22	13-Oct-22
4: Analysis Completed Time		---	---	15:49	15:49	15:49	15:49
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	10-Oct-22 13:38	5.6	0.49	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	10-Oct-22 12:47	5.6	0.67	0	0	0	---
8: 3604D DW Ilderton PS1	10-Oct-22 10:40	5.6	1.36	0	0	0	---
9: DW Denfield Hydrant DN-04	10-Oct-22 11:12	5.6	0.96	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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Works #: 260004202

14-October-2022

Date Rec. : 11 October 2022

LR Report: CA20414-OCT22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	11-Oct-22	11-Oct-22	11-Oct-22	11-Oct-22
2: Analysis Start Time		---	---	13:30	13:30	13:30	13:00
3: Analysis Completed Date		---	---	13-Oct-22	13-Oct-22	13-Oct-22	13-Oct-22
4: Analysis Completed Time		---	---	15:49	15:49	15:49	15:49
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	10-Oct-22 12:42	5.7	1.24	0	0	0	< 10
7: 36023 DW Delaware Water Tower	10-Oct-22 11:36	6.2	0.71	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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Works #: 260004202

20-October-2022

Date Rec. : 18 October 2022

LR Report: CA20856-OCT22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	18-Oct-22	18-Oct-22	18-Oct-22	18-Oct-22
2: Analysis Start Time		---	---	16:40	16:40	16:40	15:55
3: Analysis Completed Date		---	---	20-Oct-22	20-Oct-22	20-Oct-22	20-Oct-22
4: Analysis Completed Time		---	---	16:29	16:29	16:29	16:29
5: MAC		---	---	0	0	---	---
6: 1A0D7 DW Arva Fire Hall	17-Oct-22 14:28	14.1	0.66	0	0	0	< 10
7: 1A0D9 DW Ballymote Sample Station	17-Oct-22 13:35	15.1	0.74	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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Works #: 260004202

LR Report : CA20856-OCT22

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Works #: 260004202

20-October-2022

Date Rec. : 18 October 2022

LR Report: CA20855-OCT22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	18-Oct-22	18-Oct-22	18-Oct-22	18-Oct-22
2: Analysis Start Time		---	---	16:40	16:40	16:40	15:55
3: Analysis Completed Date		---	---	20-Oct-22	20-Oct-22	20-Oct-22	20-Oct-22
4: Analysis Completed Time		---	---	16:29	16:29	16:29	16:29
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	17-Oct-22 11:12	13.3	1.31	0	0	0	< 10
7: 36023 DW Delaware Water Tower	17-Oct-22 13:58	13.4	0.74	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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Works #: 260004202

LR Report : CA20855-OCT22

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20-October-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 18 October 2022

LR Report: CA20869-OCT22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCl Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL
1: Analysis Start Date		---	---	18-Oct-22	18-Oct-22	18-Oct-22
2: Analysis Start Time		---	---	16:05	16:05	16:05
3: Analysis Completed Date		---	---	20-Oct-22	20-Oct-22	20-Oct-22
4: Analysis Completed Time		---	---	16:25	16:25	16:25
5: MAC		---	---	0	0	---
6: 1A0DC DW Denfield Hydrant #4	18-Oct-22 10:24	12.3	1.27	0	0	0
7: 3604D DW Ilderton PS1	18-Oct-22 10:39	13.3	1.09	0	0	0

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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03-November-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 25 October 2022
LR Report: CA21246-OCT22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCl Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	25-Oct-22	25-Oct-22	25-Oct-22	25-Oct-22
2: Analysis Start Time		---	---	17:20	17:20	17:20	17:00
3: Analysis Completed Date		---	---	28-Oct-22	28-Oct-22	28-Oct-22	28-Oct-22
4: Analysis Completed Time		---	---	12:37	12:37	12:37	12:37
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	24-Oct-22 14:09	6.8	1.19	0	0	0	< 10
7: 36023 DW Delaware Water Tower	24-Oct-22 15:23	6.8	0.83	0	0	0	---
8: 1A0D7 DW Arva Fire Hall	24-Oct-22 12:27	6.8	0.50	0	0	0	---
9: 1A0D9 DW Ballymote Sample Station	24-Oct-22 11:50	6.8	0.56	0	0	0	---
10: 1A0DC DW Denfield Hydrant Dn-04	24-Oct-22 10:11	6.8	1.03	0	0	0	---
11: 3604D DW Ilderton PS1	24-Oct-22 09:10	6.8	1.13	0	0	0	< 10

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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Works #: 260004202

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03-November-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 01 November 2022

LR Report: CA20081-NOV22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL
1: Analysis Start Date		---	---	01-Nov-22	01-Nov-22
2: Analysis Start Time		---	---	15:35	15:35
3: Analysis Completed Date		---	---	03-Nov-22	03-Nov-22
4: Analysis Completed Time		---	---	16:36	16:36
5: MAC		---	---	0	0
6: 36050 DW Komoka Water Tower	31-Oct-22 14:20	6.5	1.04	0	0
7: 36023 DW Delaware Water Tower	31-Oct-22 14:55	6.5	0.93	0	0
8: 1A0D7 DW Arva Fire Hall	31-Oct-22 12:29	6.5	0.51	0	0
9: 1A0D9 DW Ballymote Sample Station	31-Oct-22 12:00	6.5	0.75	0	0
10: 3604D DW Ilderton PS1	31-Oct-22 10:43	6.5	1.27	0	0
11: DW Ilderton Water Tower	31-Oct-22 08:50	6.5	1.09	0	0
12: DW Denfield Hydrant ON-04	31-Oct-22 09:50	6.5	0.91	0	0

Sample ID	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date	01-Nov-22	01-Nov-22
2: Analysis Start Time	15:35	15:10
3: Analysis Completed Date	03-Nov-22	03-Nov-22
4: Analysis Completed Time	16:36	16:36
5: MAC	---	---
6: 36050 DW Komoka Water Tower	0	< 10
7: 36023 DW Delaware Water Tower	0	---
8: 1A0D7 DW Arva Fire Hall	0	---
9: 1A0D9 DW Ballymote Sample Station	0	---
10: 3604D DW Ilderton PS1	0	< 10

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LR Report : CA20081-NOV22

Sample ID	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
11: DW Ilderton Water Tower	0	10
12: DW Denfield Hydrant ON-04	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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11-November-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 08 November 2022
LR Report: CA20371-NOV22

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CERTIFICATE OF ANALYSIS

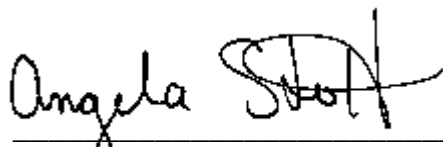
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	08-Nov-22	08-Nov-22	08-Nov-22	08-Nov-22
2: Analysis Start Time		---	---	13:45	13:45	13:45	13:20
3: Analysis Completed Date		---	---	10-Nov-22	10-Nov-22	10-Nov-22	10-Nov-22
4: Analysis Completed Time		---	---	15:49	15:49	15:49	15:49
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	07-Nov-22 13:52	9.4	1.04	0	0	0	< 10
7: 36023 DW Delaware Water Tower	07-Nov-22 14:39	9.4	0.87	0	0	0	---
8: 1A0D7 DW Arva Fire Hall	07-Nov-22 10:39	9.4	0.51	0	0	0	---
9: 1A0D9 DW Ballymote Sample Station	07-Nov-22 10:30	9.4	0.70	0	0	0	---
10: 1A0DC DW Denfield DN04	07-Nov-22 11:27	9.4	1.00	0	0	0	---
11: 3604D DW Ilderton PS1	07-Nov-22 08:57	9.4	1.25	0	0	0	< 10
12: DW Ilderton Tower	07-Nov-22 09:13	9.4	1.11	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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18-November-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 15 November 2022
LR Report: CA20629-NOV22

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CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	15-Nov-22	15-Nov-22	15-Nov-22	15-Nov-22
2: Analysis Start Time		---	---	12:25	12:25	12:25	11:45
3: Analysis Completed Date		---	---	17-Nov-22	17-Nov-22	17-Nov-22	17-Nov-22
4: Analysis Completed Time		---	---	12:48	12:48	12:48	12:48
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	14-Nov-22 09:40	7.8	1.02	0	0	0	< 10
7: 36023 DW Delaware Water Tower	14-Nov-22 08:53	7.8	0.98	0	0	0	---
8: 1A0D7 DW Arva Fire Hall	14-Nov-22 12:44	7.8	0.76	0	0	0	---
9: 1A0D9 DW Ballymote Sample Station	14-Nov-22 13:33	7.8	0.56	0	0	0	---
10: 1A0DC DW Denfield Hydrant 4	14-Nov-22 11:16	7.8	0.92	0	0	0	---
11: 3604D DW Ilderton PS1	14-Nov-22 14:26	7.8	1.11	0	0	0	< 10

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


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25-November-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 22 November 2022
LR Report: CA21005-NOV22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

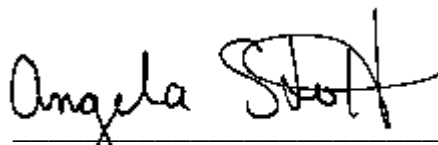
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	22-Nov-22	22-Nov-22	22-Nov-22	22-Nov-22
2: Analysis Start Time		---	---	17:10	17:10	17:10	16:30
3: Analysis Completed Date		---	---	25-Nov-22	25-Nov-22	25-Nov-22	25-Nov-22
4: Analysis Completed Time		---	---	08:11	08:11	08:11	08:11
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	21-Nov-22 09:16	15.6	1.13	0	0	0	< 10
7: 36023 DW Delaware Water Tower	21-Nov-22 08:27	15.6	0.98	0	0	0	---
8: 1A0D7 DW Arva Fire Hall	21-Nov-22 14:03	15.6	0.50	0	0	0	---
9: 1A0DC DW Denfield Hydrant DN-04	21-Nov-22 10:03	15.6	0.92	0	0	0	---
10: 3604D DW Ilderton PS1	21-Nov-22 12:33	15.6	1.11	0	0	0	< 10
11: DW 21554 Highbury Ave Ballymote	21-Nov-22 13:30	15.6	0.77	0	0	0	---
12: 36D3E DW Ilderton Tower	21-Nov-22 11:04	15.6	1.18	0	0	0	---

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



Angela Stott, B.Sc.
Branch Manager-London
Environment, Health & Safety

SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

05-December-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 29 November 2022
LR Report: CA21265-NOV22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

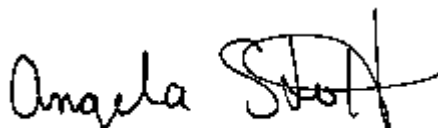
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	29-Nov-22	29-Nov-22	29-Nov-22	29-Nov-22
2: Analysis Start Time		---	---	19:05	19:05	19:05	18:35
3: Analysis Completed Date		---	---	01-Dec-22	01-Dec-22	01-Dec-22	01-Dec-22
4: Analysis Completed Time		---	---	16:54	16:54	16:54	16:54
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	28-Nov-22 11:03	7.2	1.19	0	0	0	< 10
7: 36023 DW Delaware Water Tower	28-Nov-22 10:29	7.2	1.01	0	0	0	10
8: 1A0D7 DW Arva Fire Hall	28-Nov-22 14:08	7.2	0.86	0	0	0	< 10
9: 1A0D9 DW Ballymote Sample Station	28-Nov-22 13:42	7.2	0.83	0	0	0	< 10
10: 1A0DC DW Denfield DN Hyd #4	28-Nov-22 12:02	7.2	1.13	0	0	0	< 10
11: 36D3E DW Ilderton Tower	28-Nov-22 14:50	7.2	1.16	0	0	0	< 10

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
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08-December-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 06 December 2022
LR Report: CA20094-DEC22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

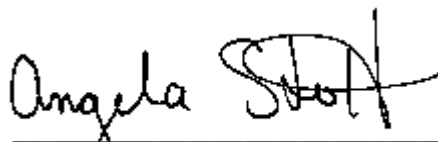
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCl Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	06-Dec-22	06-Dec-22	06-Dec-22	06-Dec-22
2: Analysis Start Time		---	---	12:40	12:40	12:40	11:20
3: Analysis Completed Date		---	---	08-Dec-22	08-Dec-22	08-Dec-22	08-Dec-22
4: Analysis Completed Time		---	---	13:06	13:06	13:06	13:06
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	05-Dec-22 13:50	8.5	1.13	0	0	0	< 10
7: 36023 DW Delaware Water Tower	05-Dec-22 14:44	8.5	0.90	0	0	0	10
8: 1A0D7 DW Arva Fire Hall	05-Dec-22 11:50	8.5	0.77	0	0	0	10
9: 1A0D9 DW Ballymote Sample Station	05-Dec-22 11:33	8.5	0.88	0	0	0	< 10
10: 36D3E DW Ilderton Tower	05-Dec-22 08:46	8.5	1.15	0	0	0	< 10
11: DW Denfield Hydrant DN-04	05-Dec-22 09:55	8.5	1.01	0	0	0	< 10

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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16-December-2022

Mun of Middlesex Centre (Middlesex Centre)
Attn : Brian Watson

Date Rec. : 13 December 2022

LR Report: CA20474-DEC22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

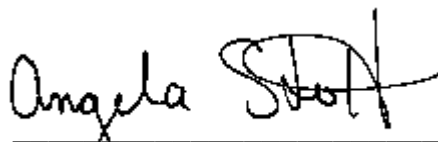
Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	13-Dec-22	13-Dec-22	13-Dec-22	13-Dec-22
2: Analysis Start Time		---	---	14:00	14:00	14:00	13:35
3: Analysis Completed Date		---	---	15-Dec-22	15-Dec-22	15-Dec-22	15-Dec-22
4: Analysis Completed Time		---	---	13:58	13:58	13:58	13:58
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	12-Dec-22 08:49	10.6	1.18	0	0	0	< 10
7: 36023 DW Delaware Water Tower	12-Dec-22 14:55	10.6	0.93	0	0	0	< 10
8: 1A0D7 DW Arva Fire Hall	12-Dec-22 13:44	10.6	0.71	0	0	0	< 10
9: 1A0D9 DW Ballymote Sample Station	12-Dec-22 13:23	10.6	0.81	0	0	0	< 10
10: 1A0DC DW Denfield Sample Station	12-Dec-22 10:05	10.6	1.11	0	0	0	< 10
11: 36D3E DW Ilderton Tower	12-Dec-22 11:05	10.6	1.13	0	0	0	< 10

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



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657 Consortium Court
London - Ontario - N6E 2S8
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23-December-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 20 December 2022
LR Report: CA20805-DEC22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	20-Dec-22	20-Dec-22	20-Dec-22	20-Dec-22
2: Analysis Start Time		---	---	15:30	15:30	15:30	14:45
3: Analysis Completed Date		---	---	23-Dec-22	23-Dec-22	23-Dec-22	23-Dec-22
4: Analysis Completed Time		---	---	10:09	10:09	10:09	10:09
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	19-Dec-22 09:31	4.0	1.17	0	0	0	< 10
7: 36023 DW Delaware Water Tower	19-Dec-22 08:38	4.0	0.86	0	0	0	< 10
8: 1A0D7 DW Arva Fire Hall	19-Dec-22 14:09	4.0	0.88	0	0	0	< 10
9: 1A0D9 DW Ballymote BA-01	19-Dec-22 13:28	4.0	0.59	0	0	0	< 10
10: 1A0DC DW Denfield DN-04	19-Dec-22 12:20	4.0	1.08	0	0	0	< 10
11: 36D3E DW Ilderton Tower	19-Dec-22 11:07	4.0	1.14	0	0	0	< 10

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001



Crista Schuster
Project Specialist-London,
Environment, Health & Safety

SGS Canada Inc.

657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

30-December-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 28 December 2022

LR Report: CA21046-DEC22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt °C	Field ResCl Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date		---	---	28-Dec-22	28-Dec-22	28-Dec-22	28-Dec-22
2: Analysis Start Time		---	---	15:25	15:25	15:25	14:40
3: Analysis Completed Date		---	---	30-Dec-22	30-Dec-22	30-Dec-22	30-Dec-22
4: Analysis Completed Time		---	---	11:02	11:02	11:02	13:06
5: MAC		---	---	0	0	---	---
6: 36050 DW Komoka Water Tower	27-Dec-22 13:30	10.4	1.13	0	0	0	< 10
7: 36023 DW Delaware Water Tower	27-Dec-22 15:18	10.8	0.93	0	0	0	---
8: 1A0D7 DW Arva Fire Hall	27-Dec-22 11:31	8.1	0.85	0	0	0	< 10
9: 1A0D9 DW Ballymote Sample Station	27-Dec-22 11:21	8.1	0.98	0	0	0	< 10
10: 1A0DC DW Denfield Sample Station	27-Dec-22 10:23	8.1	1.23	0	0	0	< 10
11: 36D3E DW Ilderton Tower	27-Dec-22 10:00	8.1	1.16	0	0	0	< 10

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


Crista Schuster
Project Specialist-London,
Environment, Health & Safety

Appendix B – Notice of Adverse Test Results and Other Problems With Notice of Issue Resolution at Drinking Water System and Forms 2(A) & 2(B)

Notices of Adverse Test Results and Issue Resolution (Schedule 16)

Drinking Water Systems Regulation (O. Reg. 170/03)

Instructions

These Notice forms apply to drinking water system owners and operators (Owners/Operators) and Ministry of the Environment, Conservation and Parks (MECP) licensed laboratories (Licensed Laboratories) regulated by Drinking Water Systems Regulation, Ontario Regulation 170/03 (O. Reg. 170/03).

Immediate Report of Adverse Results

Section 16-3(3) of Schedule 16 of O. Reg. 170/03 sets out the requirements for Owners/Operators and Licensed Laboratories to make an immediate report of adverse test results under O. Reg. 170/03 by speaking in person or by telephone to the MECP's Spills Action Centre (SAC), at 1-800-268-6060 or 416-325-3000, the local Medical Officer of Health/Health Unit (Health Unit) and the Owner/Operator (Immediate Report).

[Adverse test results for trihalomethanes (THMs) or haloacetic acids (HAAs) do not require an Immediate Report; see section below.]

Written Notice within 24 hours of the Immediate Report

Within 24 hours of an Immediate Report, Section 16-7(3) of Schedule 16 requires that Owners/Operators and Licensed Laboratories also provide written notice to the MECP and the Health Unit, by fax or e-mail. Licensed Laboratories must complete and submit Sections 1 and 3 of this Notice. Owners/Operators must complete and submit Section 2A of this Notice. **Note:** Section 3 is not required to be completed for operational parameter incidents which have no correlating adverse results.

Notice Within 7 Days of Issue Resolution

Within 7 days after the issue has been resolved, Section 16-9(1) of Schedule 16 requires that Owners/Operators must provide a written notice, Section 2B of this Notice, to SAC and the Health Unit, summarizing the actions taken and the results achieved. This written notice must also be sent to the interested authority for any designated facility (if applicable) within 30 days.

Owners and Operators must follow any additional corrective actions required by the Health Unit.

Total Trihalomethanes (THMs) and Haloacetic Acids (HAAs)

As of January 2016 for THMs and January 2020 for HAAs, Sections 16-6 and 16-7 of Schedule 16 require that Owners/Operators and Licensed Laboratories calculate the running annual average (RAA) for THMs and HAAs and report any adverse test result in writing to the MECP and the Health Unit within 7 calendar days of the end of the calendar quarter that produced the adverse test result. The written notice is to be submitted using Section 2C of this Notice. RAA calculation is outlined in Schedule 13-6 of O. Reg. 170/03.

Immediate oral notification is no longer required for these parameters.

Licensed Laboratories that upload all the THM and HAA test results into the ministry's data system and provide the results to Owners/Operators within 48 hours of the test result being authorized at the laboratory, may be exempt from the RAA reporting requirements noted above.

Note: Small municipal residential systems and non-municipal year-round residential systems that serve designated facilities also must notify the operator of each designated facility served by their system.

The 'Trihalomethane and Haloacetic Acid Sampling and Reporting Requirements Technical Bulletin' provides full details on the changes to the reporting requirements and provides examples for calculating quarterly and running annual averages. The Technical Bulletin is available on the ministry's web page via the following link:

<https://www.ontario.ca/page/total-trihalomethane-thm-reporting-requirements-technical-bulletin>

Fields marked with an asterisk (*) are mandatory.

SAC fax: 1-800-268-6061 or 416-325-3011

SAC e-mail: AWQI.Reporting@ontario.ca

Provincial standards for water quality are set out in:

Safe Drinking Water Act, 2002

Ontario Regulation 169/03 (Water Quality Standards)

Ontario Regulation 170/03 (Drinking Water Systems)

Failure to notify these parties in accordance with the Regulation constitutes an offence under the *Safe Drinking Water Act*. A copy of this form may be acquired through the MECP public website (www.ontario.ca/drinkingwater) or by contacting any MECP office.

Collection of information on this form is done in accordance with the Safe Drinking Water Act, 2002 and its Regulations. Information gathered herein, including personal information, is governed by the *Freedom of Information and Protection of Privacy Act* (FIPPA) and may be disclosed to other government agencies (including municipal health unit employees) pursuant to 'Section 42' of the FIPPA for the consistent purpose of administering any Act or program that pertains to drinking water safety. For questions and concerns, please contact the MECP at 1-866-793-2588.

Are you a *

☐ Licensed Laboratory ☒ DWS

Which Section(s) of the Form do you need today?

☐ Section 1 - Written Notice By Licensed Laboratory

☐ Section 2A - Written Notice By Drinking Water System

☒ Section 2B - Notice Of Issues Resolution

☐ Section 2C - Written Notice By Drinking Water System Owner - Reporting RAA for THMs and HAAs

☐ Section 3 - Adverse Analytical Results

Notices of Adverse Test Results and Issue Resolution (Schedule 16)

Drinking Water Systems Regulation (O. Reg. 170/03)

Fields marked with an asterisk (*) are mandatory.

Section 2B – Notice of Issue Resolution – Section 16-9 (O. Reg. 170/03)

DWS Information

DWS Name *

Middlesex Centre Distribution

DWS Number *

260004202

DWS Contact Name

Last Name *

Tyler

First Name *

Jocelyn

Telephone Number (including area code) *

519-854-7639

ext.

Fax Number (including area code)

Email Address

tyler@middlesexcentre.ca

Initial AWQI Number¹ *

159493

Date Resolved (yyyy/mm/dd) *

2022/08/16

Date Resolution Notice Provided (yyyy/mm/dd) *

2022/08/16

Are there previous resample AWQI numbers? *

☐ Yes ☒ No

If known, please provide All Other Resample AWQI numbers²

Summary of action taken and results achieved (include test results showing water quality is no longer adverse) *

Flushed hydrants upstream, downstream and at the Komoka Water Tower which was the initial sample location

Resampled upstream, downstream and at the Komoka Water Tower.

Report of resample attached with no adverse results.

Was an advisory issued by the Health Unit? *

☐ Yes

☒ No ☐ Self Imposed Advisory

Advisory Type

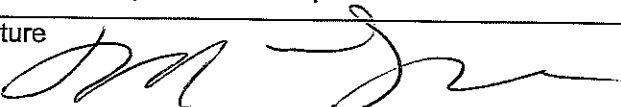
Date Issued (yyyy/mm/dd)

If rescinded, please select date the advisory was rescinded

Date Rescinded (yyyy/mm/dd)

Other (Include Health Unit directions and any additional attachments)

Attached File Name	Created	Modified	Size (MB)	Remove Selected File
Report CA20641- Aug22				<input type="checkbox"/>
Number of attachments			1	0
Notification/Report Provided By				

Last Name *	First Name *
Tyler	Jocelyn
Position *	
Maintenance Operator / Compliance Coordinator	
Signature	Date (yyyy/mm/dd) *
	2022/08/16
Additional Comments	

Do you have another adverse to report? ☐ Yes ☒ No

¹ The original adverse test result.

² When resolving an AWQI state all resample AWQI numbers associated with the initial AWQI. For example, an adverse test result of total coliform requires the corrective action of resampling. If any of the resamples come back adverse, then you must continue resampling until the test results for two consecutive sets of samples taken 24 to 48 hours apart are clear or as directed by the Health Unit. Submit the AWQI form and include all related AWQI numbers (Initial AWQI number and any Resample AWQI number) on the same Section 2B. This eliminates the requirement to submit a Section 2B form for every adverse test result associated with one incident. If the first resample test result is clear then this section does not apply. For THMs and HAAs drinking water system owners/operators are not required to take resamples as part of the prescribed corrective actions; unless directed by the Health Unit.

SGS Canada Inc.
657 Consortium Court
London - Ontario - N6E 2S8
Phone: 519-672-4500 FAX: 519-672-0361

15-August-2022

Mun of Middlesex Centre (Middlesex Centre)

Attn : Brian Watson

Date Rec. : 10 August 2022
LR Report: CA20641-AUG22

10227 Ilderton Rd.
Ilderton, ON
N0M 2A0, Canada

Copy: #1

Phone: 519-666-0190
Fax: 519-666-0271

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Sample Date & Time	Sampled By	Temperature Upon Receipt °C	Field ResCI Free mg/L	Total Coliform cfu/100mL	E.Coli cfu/100mL	Total Coliform Background cfu/100mL	Heterotrophic Plate Count (HPC) cfu/1mL
1: Analysis Start Date			—	—	11-Aug-22	11-Aug-22	11-Aug-22	11-Aug-22
2: Analysis Start Time			—	—	12:35	12:35	12:35	12:00
3: Analysis Completed Date			—	—	15-Aug-22	15-Aug-22	15-Aug-22	15-Aug-22
4: Analysis Completed Time			—	—	13:20	13:20	13:20	13:20
5: MAC			—	—	0	0	—	—
6: 36050 DW Komoka Water Tower	10-Aug-22 14:30	Kisandeep Serini	17.1	0.94	0	0	0	10
7: DW KO - 77	10-Aug-22 14:18	Kisandeep Serini	17.1	1.00	0	0	0	—
8: DW KO - 78	10-Aug-22 14:38	Kisandeep Serini	17.1	1.11	0	0	0	—

MAC - Maximum Acceptable Concentration

Method Descriptions

Units	Description	SGS Method Code
cfu/100mL	E.Coli by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/1mL	Heterotrophic Plate Count (HPC) by SP (using SPCA)	ME-CA-[ENV]MIC-LAK-AN-002
cfu/100mL	Total Coliform by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001
cfu/100mL	Background by MF (using DCM)	ME-CA-[ENV]MIC-LAK-AN-001


 Cristal Schuster
 Project Specialist-London,
 Environment, Health & Safety

**Notices of Adverse Test Results and
Issue Resolution (Schedule 16)**

Drinking Water Systems Regulation (O. Reg. 170/03)

Instructions

These Notice forms apply to drinking water system owners and operators (Owners/Operators) and Ministry of the Environment, Conservation and Parks (MECP) licensed laboratories (Licensed Laboratories) regulated by Drinking Water Systems Regulation, Ontario Regulation 170/03 (O. Reg. 170/03).

Immediate Report of Adverse Results

Section 16-3(3) of Schedule 16 of O. Reg. 170/03 sets out the requirements for Owners/Operators and Licensed Laboratories to make an immediate report of adverse test results under O. Reg. 170/03 by speaking in person or by telephone to the MECP's Spills Action Centre (SAC), at 1-800-268-6060 or 416-325-3000, the local Medical Officer of Health/Health Unit (Health Unit) and the Owner/Operator (Immediate Report).

[Adverse test results for trihalomethanes (THMs) or haloacetic acids (HAAs) do not require an Immediate Report; see section below.]

Written Notice within 24 hours of the Immediate Report

Within 24 hours of an Immediate Report, Section 16-7(3) of Schedule 16 requires that Owners/Operators and Licensed Laboratories also provide written notice to the MECP and the Health Unit, by fax or e-mail. Licensed Laboratories must complete and submit Sections 1 and 3 of this Notice. Owners/Operators must complete and submit Section 2A of this Notice. **Note:** Section 3 is not required to be completed for operational parameter incidents which have no correlating adverse results.

Notice Within 7 Days of Issue Resolution

Within 7 days after the issue has been resolved, Section 16-9(1) of Schedule 16 requires that Owners/Operators must provide a written notice, Section 2B of this Notice, to SAC and the Health Unit, summarizing the actions taken and the results achieved. This written notice must also be sent to the interested authority for any designated facility (if applicable) within 30 days.

Owners and Operators must follow any additional corrective actions required by the Health Unit.

Total Trihalomethanes (THMs) and Haloacetic Acids (HAAs)

As of January 2016 for THMs and January 2020 for HAAs, Sections 16-6 and 16-7 of Schedule 16 require that Owners/Operators and Licensed Laboratories calculate the running annual average (RAA) for THMs and HAAs and report any adverse test result in writing to the MECP and the Health Unit within 7 calendar days of the end of the calendar quarter that produced the adverse test result. The written notice is to be submitted using Section 2C of this Notice. RAA calculation is outlined in Schedule 13-6 of O. Reg. 170/03.

Immediate oral notification is no longer required for these parameters.

Licensed Laboratories that upload all the THM and HAA test results into the ministry's data system and provide the results to Owners/Operators within 48 hours of the test result being authorized at the laboratory, may be exempt from the RAA reporting requirements noted above.

Note: Small municipal residential systems and non-municipal year-round residential systems that serve designated facilities also must notify the operator of each designated facility served by their system.

The 'Trihalomethane and Haloacetic Acid Sampling and Reporting Requirements Technical Bulletin' provides full details on the changes to the reporting requirements and provides examples for calculating quarterly and running annual averages. The Technical Bulletin is available on the ministry's web page via the following link:

<https://www.ontario.ca/page/total-trihalomethane-thm-reporting-requirements-technical-bulletin>

Fields marked with an asterisk (*) are mandatory.

SAC fax: 1-800-268-6061 or 416-325-3011

SAC e-mail: AWQI.Reporting@ontario.ca

Provincial standards for water quality are set out in:

Safe Drinking Water Act, 2002

Ontario Regulation 169/03 (Water Quality Standards)

Ontario Regulation 170/03 (Drinking Water Systems)

Failure to notify these parties in accordance with the Regulation constitutes an offence under the *Safe Drinking Water Act*. A copy of this form may be acquired through the MECP public website (www.ontario.ca/drinkingwater) or by contacting any MECP office.

Collection of information on this form is done in accordance with the Safe Drinking Water Act, 2002 and its Regulations. Information gathered herein, including personal information, is governed by the *Freedom of Information and Protection of Privacy Act* (FIPPA) and may be disclosed to other government agencies (including municipal health unit employees) pursuant to 'Section 42' of the FIPPA for the consistent purpose of administering any Act or program that pertains to drinking water safety. For questions and concerns, please contact the MECP at 1-866-793-2588.

Are you a *

☐ Licensed Laboratory ☒ DWS

Which Section(s) of the Form do you need today?

☐ Section 1 - Written Notice By Licensed Laboratory

☒ Section 2A - Written Notice By Drinking Water System

☐ Section 2B - Notice Of Issues Resolution

☐ Section 2C - Written Notice By Drinking Water System Owner - Reporting RAA for THMs and HAAs

☐ Section 3 - Adverse Analytical Results

**Notices of Adverse Test Results and
Issue Resolution (Schedule 16)**

Drinking Water Systems Regulation (O. Reg. 170/03)

Fields marked with an asterisk (*) are mandatory.

**Section 2A – Written Notice By Drinking Water System (DWS) Owner (For THM and HAA reporting see
Section 2C)****Indicators of Adverse Water Quality**

AWQI Number *

159493

Is this a resample? *

☐ Yes☒ No☐ Unknown

If Yes, then provide initial AWQI number

Indicator of Adverse Results☒ Microbiological *☐ Chemical *☐ Radiological *☐ Operational *☐ Licence/Order/Certificate Authority *☐ Observations of Improperly disinfected water directed to water users☐ Low Distribution Chlorine _____ mg/L☐ High Turbidity _____ NTU☐ Other _____**Details of Adverse Result ***

1 cfu/100mL Total Coliform

DWS Information

DWS Name *

MC Distribution

DWS Number *

260004202

Last Name *

Tyler

First Name *

Jocelyn

Position *

Maintenance Operator/Compliance Coordinator

Email Address

tyler@middlesexcentre.ca

Telephone Number (including area code)

519-854-7639

ext.

Additional Comments

Oral Notification to Health Unit - Person Contacted

Public Health Unit Name *

Middlesex London Health Unit

Last Name *

Walsh

First Name *

Chris

Position *

Public Health Inspector

Telephone Number (including area code) *

519-617-0518

ext.

Fax Number (including area code)

Date (yyyy/mm/dd) *

2022/08/10

Time (hh:mm) *

2:17 PM

Fields marked with an asterisk (*) are mandatory.

Section 2A continued

DWS Person Providing Oral Notification *
Jocelyn Tyler

Email Address
tyler@middlesexcentre.ca

Corrective Actions to be Taken by Owner/Operator

Corrective Actions	Required *	Completed	Comments
Resample and Test (including upstream, downstream and at AWQI location)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Resampled 10 Aug 22 at 14:30
Disinfection Restored / Increased	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Mains / Pipes Flushed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Signs Posted (Do Not Drink Water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Users Advised to Boil Water / Seek Alternate Source	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Other (Include any other Health Unit directions and any additional attachments)

Other:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
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Oral Notification to Spills Action Centre (SAC) - Person Contacted

Last Name *	First Name *
Date	Akiko

Position *
Environmental Officer

DWS Person Providing Oral Notifying *
Jocelyn Tyler

Date (yyyy/mm/dd) *	Time (hh:mm) *
2022/08/10	1:34 PM

Initial DWS Notification Prepared by *
Jocelyn Tyler

Signature	Date (yyyy/mm/dd) *
	2022/08/11

Additional Comments

Do you have another adverse to report? * ☐ Yes ☒ No

Instructions

These Notice forms apply to drinking water system owners and operators (Owners/Operators) and Ministry of the Environment, Conservation and Parks (MECP) licensed laboratories (Licensed Laboratories) regulated by Drinking Water Systems Regulation, Ontario Regulation 170/03 (O. Reg. 170/03).

Immediate Report of Adverse Results

Section 16-3(3) of Schedule 16 of O. Reg. 170/03 sets out the requirements for Owners/Operators and Licensed Laboratories to make an immediate report of adverse test results under O. Reg. 170/03 by speaking in person or by telephone to the MECP's Spills Action Centre (SAC), at 1-800-268-6060 or 416-325-3000, the local Medical Officer of Health/Health Unit (Health Unit) and the Owner/Operator (Immediate Report).

[Adverse test results for trihalomethanes (THMs) or haloacetic acids (HAAs) do not require an Immediate Report; see section below.]

Written Notice within 24 hours of the Immediate Report

Within 24 hours of an Immediate Report, Section 16-7(3) of Schedule 16 requires that Owners/Operators and Licensed Laboratories also provide written notice to the MECP and the Health Unit, by fax or e-mail. Licensed Laboratories must complete and submit Sections 1 and 3 of this Notice. Owners/Operators must complete and submit Section 2A of this Notice. **Note:** Section 3 is not required to be completed for operational parameter incidents which have no correlating adverse results.

Notice Within 7 Days of Issue Resolution

Within 7 days after the issue has been resolved, Section 16-9(1) of Schedule 16 requires that Owners/Operators must provide a written notice, Section 2B of this Notice, to SAC and the Health Unit, summarizing the actions taken and the results achieved. This written notice must also be sent to the interested authority for any designated facility (if applicable) within 30 days.

Owners and Operators must follow any additional corrective actions required by the Health Unit.

Total Trihalomethanes (THMs) and Haloacetic Acids (HAAs)

As of January 2016 for THMs and January 2020 for HAAs, Sections 16-6 and 16-7 of Schedule 16 require that Owners/Operators and Licensed Laboratories calculate the running annual average (RAA) for THMs and HAAs and report any adverse test result in writing to the MECP and the Health Unit within 7 calendar days of the end of the calendar quarter that produced the adverse test result. The written notice is to be submitted using Section 2C of this Notice. RAA calculation is outlined in Schedule 13-6 of O. Reg. 170/03.

Immediate oral notification is no longer required for these parameters.

Licensed Laboratories that upload all the THM and HAA test results into the ministry's data system and provide the results to Owners/Operators within 48 hours of the test result being authorized at the laboratory, may be exempt from the RAA reporting requirements noted above.

Note: Small municipal residential systems and non-municipal year-round residential systems that serve designated facilities also must notify the operator of each designated facility served by their system.

The 'Trihalomethane and Haloacetic Acid Sampling and Reporting Requirements Technical Bulletin' provides full details on the changes to the reporting requirements and provides examples for calculating quarterly and running annual averages. The Technical Bulletin is available on the ministry's web page via the following link:

<https://www.ontario.ca/page/total-trihalomethane-thm-reporting-requirements-technical-bulletin>

Fields marked with an asterisk (*) are mandatory.

SAC fax: 1-800-268-6061 or 416-325-3011

SAC e-mail: AWQI.Reporting@ontario.ca

Provincial standards for water quality are set out in:

[Safe Drinking Water Act, 2002](#)

[Ontario Regulation 169/03 \(Water Quality Standards\)](#)

[Ontario Regulation 170/03 \(Drinking Water Systems\)](#)

Failure to notify these parties in accordance with the Regulation constitutes an offence under the *Safe Drinking Water Act*. A copy of this form may be acquired through the MECP public website (www.ontario.ca/drinkingwater) or by contacting any MECP office.

Collection of information on this form is done in accordance with the [Safe Drinking Water Act, 2002](#) and its Regulations. Information gathered herein, including personal information, is governed by the *Freedom of Information and Protection of Privacy Act* (FIPPA) and may be disclosed to other government agencies (including municipal health unit employees) pursuant to 'Section 42' of the FIPPA for the consistent purpose of administering any Act or program that pertains to drinking water safety. For questions and concerns, please contact the MECP at 1-866-793-2588.

Are you a *

☐ Licensed Laboratory ☒ DWS

Which Section(s) of the Form do you need today?

☐ Section 1 - Written Notice By Licensed Laboratory

☐ Section 2A - Written Notice By Drinking Water System

☒ Section 2B - Notice Of Issues Resolution

☐ Section 2C - Written Notice By Drinking Water System Owner - Reporting RAA for THMs and HAAs

☐ Section 3 - Adverse Analytical Results

Notices of Adverse Test Results and Issue Resolution (Schedule 16)

Drinking Water Systems Regulation (O. Reg. 170/03)

Fields marked with an asterisk (*) are mandatory.

Section 2B – Notice of Issue Resolution – Section 16-9 (O. Reg. 170/03)

DWS Information

DWS Name *	DWS Number *
Middlesex Centre Distribution	260004202

DWS Contact Name

Last Name *

Tyler

First Name *

Jocelyn Tyler

Telephone Number (including area code) *

519-854-7639

ext.

Fax Number (including area code)

Email Address

tyler@middlesexcentre.ca

Initial AWQI Number¹ *

159981

Date Resolved (yyyy/mm/dd) *

2022/09/14

Date Resolution Notice Provided (yyyy/mm/dd) *

2022/09/20

Are there previous resample AWQI numbers? *

☐ Yes ☒ No

If known, please provide All Other Resample AWQI numbers²

Summary of action taken and results achieved (include test results showing water quality is no longer adverse) *

Upon notice of result the hydrants up and downstream were flushed. after flushing samples were taken at the hydrants and at the original location. Chlorine dosage had been increased earlier in the day during normal operational checks.

Was an advisory issued by the Health Unit? *	Advisory Type	Date Issued (yyyy/mm/dd)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Self Imposed Advisory		

If rescinded, please select date the advisory was rescinded

Date Rescinded (yyyy/mm/dd)

Other (Include Health Unit directions and any additional attachments)

Attached File Name	Created	Modified	Size (MB)	Remove Selected File
				<input type="checkbox"/>
Number of attachments			0	

Notification/Report Provided By

Fields marked with an asterisk (*) are mandatory.

Section 2B continued

Last Name *

Tyler

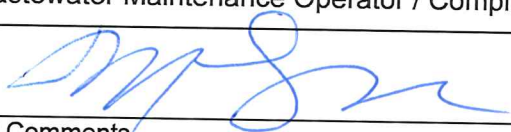
First Name *

Jocelyn

Position *

Water/wastewater Maintenance Operator / Compliance Coordinator

Signature



Date (yyyy/mm/dd) *

2022/09/20

Additional Comments

Do you have another adverse to report? ☐ Yes ☒ No

¹ The original adverse test result.

² When resolving an AWQI state all resample AWQI numbers associated with the initial AWQI. For example, an adverse test result of total coliform requires the corrective action of resampling. If any of the resamples come back adverse, then you must continue resampling until the test results for two consecutive sets of samples taken 24 to 48 hours apart are clear or as directed by the Health Unit. Submit the AWQI form and include all related AWQI numbers (Initial AWQI number and any Resample AWQI number) on the same Section 2B. This eliminates the requirement to submit a Section 2B form for every adverse test result associated with one incident. If the first resample test result is clear then this section does not apply. For THMs and HAAs drinking water system owners/operators are not required to take resamples as part of the prescribed corrective actions; unless directed by the Health Unit.

Instructions

These Notice forms apply to drinking water system owners and operators (Owners/Operators) and Ministry of the Environment, Conservation and Parks (MECP) licensed laboratories (Licensed Laboratories) regulated by Drinking Water Systems Regulation, Ontario Regulation 170/03 (O. Reg. 170/03).

Immediate Report of Adverse Results

Section 16-3(3) of Schedule 16 of O. Reg. 170/03 sets out the requirements for Owners/Operators and Licensed Laboratories to make an immediate report of adverse test results under O. Reg. 170/03 by speaking in person or by telephone to the MECP's Spills Action Centre (SAC), at 1-800-268-6060 or 416-325-3000, the local Medical Officer of Health/Health Unit (Health Unit) and the Owner/Operator (Immediate Report).

[Adverse test results for trihalomethanes (THMs) or haloacetic acids (HAAs) do not require an Immediate Report; see section below.]

Written Notice within 24 hours of the Immediate Report

Within 24 hours of an Immediate Report, Section 16-7(3) of Schedule 16 requires that Owners/Operators and Licensed Laboratories also provide written notice to the MECP and the Health Unit, by fax or e-mail. Licensed Laboratories must complete and submit Sections 1 and 3 of this Notice. Owners/Operators must complete and submit Section 2A of this Notice. **Note:** Section 3 is not required to be completed for operational parameter incidents which have no correlating adverse results.

Notice Within 7 Days of Issue Resolution

Within 7 days after the issue has been resolved, Section 16-9(1) of Schedule 16 requires that Owners/Operators must provide a written notice, Section 2B of this Notice, to SAC and the Health Unit, summarizing the actions taken and the results achieved. This written notice must also be sent to the interested authority for any designated facility (if applicable) within 30 days.

Owners and Operators must follow any additional corrective actions required by the Health Unit.

Total Trihalomethanes (THMs) and Haloacetic Acids (HAAs)

As of January 2016 for THMs and January 2020 for HAAs, Sections 16-6 and 16-7 of Schedule 16 require that Owners/Operators and Licensed Laboratories calculate the running annual average (RAA) for THMs and HAAs and report any adverse test result in writing to the MECP and the Health Unit within 7 calendar days of the end of the calendar quarter that produced the adverse test result. The written notice is to be submitted using Section 2C of this Notice. RAA calculation is outlined in Schedule 13-6 of O. Reg. 170/03.

Immediate oral notification is no longer required for these parameters.

Licensed Laboratories that upload all the THM and HAA test results into the ministry's data system and provide the results to Owners/Operators within 48 hours of the test result being authorized at the laboratory, may be exempt from the RAA reporting requirements noted above.

Note: Small municipal residential systems and non-municipal year-round residential systems that serve designated facilities also must notify the operator of each designated facility served by their system.

The 'Trihalomethane and Haloacetic Acid Sampling and Reporting Requirements Technical Bulletin' provides full details on the changes to the reporting requirements and provides examples for calculating quarterly and running annual averages. The Technical Bulletin is available on the ministry's web page via the following link:

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Fields marked with an asterisk (*) are mandatory.

SAC fax: 1-800-268-6061 or 416-325-3011

SAC e-mail: AWQL.Reporting@ontario.ca

Provincial standards for water quality are set out in:

Safe Drinking Water Act, 2002

Ontario Regulation 169/03 (Water Quality Standards)

Ontario Regulation 170/03 (Drinking Water Systems)

Failure to notify these parties in accordance with the Regulation constitutes an offence under the *Safe Drinking Water Act*. A copy of this form may be acquired through the MECP public website (www.ontario.ca/drinkingwater) or by contacting any MECP office.

Collection of information on this form is done in accordance with the Safe Drinking Water Act, 2002 and its Regulations. Information gathered herein, including personal information, is governed by the *Freedom of Information and Protection of Privacy Act* (FIPPA) and may be disclosed to other government agencies (including municipal health unit employees) pursuant to 'Section 42' of the FIPPA for the consistent purpose of administering any Act or program that pertains to drinking water safety. For questions and concerns, please contact the MECP at 1-866-793-2588.

Are you a *

☐ Licensed Laboratory ☒ DWS

Which Section(s) of the Form do you need today?

☐ Section 1 - Written Notice By Licensed Laboratory

☒ Section 2A - Written Notice By Drinking Water System

☐ Section 2B - Notice Of Issues Resolution

☐ Section 2C - Written Notice By Drinking Water System Owner - Reporting RAA for THMs and HAAs

☐ Section 3 - Adverse Analytical Results

Notices of Adverse Test Results and Issue Resolution (Schedule 16)

Drinking Water Systems Regulation (O. Reg. 170/03)

Fields marked with an asterisk (*) are mandatory.

Section 2A – Written Notice By Drinking Water System (DWS) Owner (For THM and HAA reporting see Section 2C)

Indicators of Adverse Water Quality

AWQI Number *
159981

Is this a resample? *

☐ Yes ☒ No ☐ Unknown If Yes, then provide initial AWQI number

Indicator of Adverse Results

☒ Microbiological * ☐ Chemical * ☐ Radiological * ☐ Operational * ☐ Licence/Order/Certificate Authority *

☐ Observations of Improperly disinfected water directed to water users

☐ Low Distribution Chlorine _____ mg/L

☐ High Turbidity _____ NTU

☐ Other _____

Details of Adverse Result *

sample taken from the Denfield sample station was returned with 1 total coliform laboratory result from SGS Labs in London.

DWS Information

DWS Name *

Middlesex Centre Distribution

DWS Number *

260004202

Last Name *

Tyler

First Name *

Jocelyn

Position *

Water/wastewater Maintenance Operator / Compliance Coordinator

Email Address

tyler@middlesexcentre.ca

Telephone Number (including area code)

519-854-7639

ext.

Additional Comments

Oral Notification to Health Unit - Person Contacted

Public Health Unit Name *

Middlesex London Health Unit

Last Name *

Adas

First Name *

James

Position *

Public Health Inspector

Telephone Number (including area code) *

519-933-6234

ext.

Fax Number (including area code)

Date (yyyy/mm/dd) *

2022/09/14

Time (hh:mm) *

6:13 PM

Fields marked with an asterisk (*) are mandatory.

Section 2A continued

DWS Person Providing Oral Notification *
Brian Watson

Email Address
watson@middlesexcentre.ca

Corrective Actions to be Taken by Owner/Operator

Corrective Actions	Required *	Completed	Comments
Resample and Test (including upstream, downstream and at AWQI location)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Resampled between 18:34 and 19:22 the day of notice of AWQI
Disinfection Restored / Increased	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Was increased the morning of the day of resample during normal operational checks.
Mains / Pipes Flushed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Signs Posted (Do Not Drink Water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Users Advised to Boil Water / Seek Alternate Source	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Other (Include any other Health Unit directions and any additional attachments)

Other: ☐ Yes ☐ No ☐ Yes ☐ No ☐ N/A

Oral Notification to Spills Action Centre (SAC) - Person Contacted

Last Name *
Capicciotti

First Name *
Brenda

Position *
Environmental Officer

DWS Person Providing Oral Notifying *
Brian Watson

Date (yyyy/mm/dd) *
2022/09/14

Time (hh:mm)*
5:05 PM

Initial DWS Notification Prepared by *
Jocelyn Tyler

Signature 

Date (yyyy/mm/dd) *
2022/09/15

Additional Comments

Form 2 - Record of Minor Modifications or Replacements to the Drinking Water System

RETAIN COMPLETED FORM - DO NOT SEND TO MOE

Part 1 - Drinking Water Works Permit Number

(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)

052-201

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)

Middlesex Centre Distribution System
Komoka BPS

Replaced reservoir mixer on 4-Jan-22.

The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print)	Name of Owner Representative (Print)
Municipality of Middlesex Centre	Brian Watson
Signature	Date (yyyy/mm/dd)
Brian Watson	2022/01/04



Form 2 - Record of Minor Modifications or Replacements to the Drinking Water System

RETAIN COMPLETED FORM - DO NOT SEND TO MOE

Part 1 - Drinking Water Works Permit Number

(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)

052-201 - issue #5

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)

Middlesex Centre Distribution System

Ilderton BPS

Replaced old chlorine solenoid valve and modified PVC piping with 1/2 inch SV Series True Union Solenoid Valve(CMP 01 & 02)

The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print)

Signature

Municipality of Middlesex Centre

Name of Owner Representative (Print)

E. Jandry

Date (yyyy/mm/dd)

2022/04/22

**Form 2 - Record of Minor
Modifications or Replacements to the
Drinking Water System****RETAIN COMPLETED FORM - DO NOT SEND TO MOE****Part 1 - Drinking Water Works Permit Number***(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)*

052-201 Issue Number 5

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)Middlesex Centre Distribution System
Ilderton BPS

Replaced pump discharge check valves on 30-May-22.

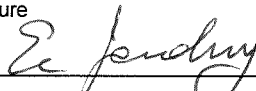
The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print)	Name of Owner Representative (Print)
Municipality of Middlesex Centre	ERIC JONOREY
Signature	Date (yyyy/mm/dd)
	2022/06/08

**Form 2 - Record of Minor
Modifications or Replacements to the
Drinking Water System****RETAIN COMPLETED FORM - DO NOT SEND TO MOE****Part 1 - Drinking Water Works Permit Number***(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)*

Issue: 052-201, Permit: 5

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)

On August 24, we replaced the motor of booster pump BWP01 with a spare motor that had been previously rebuilt. The work was done with an electrician.


The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print)	Name of Owner Representative (Print)
Municipality of Middlesex Centre	ERIC JOURNEY
Signature	Date (yyyy/mm/dd)
	2022 / 08 / 25

**Form 2 - Record of Minor
Modifications or Replacements to the
Drinking Water System**

RETAIN COMPLETED FORM - DO NOT SEND TO MOE

Part 1 - Drinking Water Works Permit Number

(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)

052-201 Issue#5

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)

Middlesex Centre Distribution System

Denfield Booster Pumping Station

Replaced 4 existing Grundfos DDI Chlorine distribution pumps with new Grundfos DDA pumps.

The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print)

MUNICIPALITY OF MIDDLESEX CENTRE

Name of Owner Representative (Print)

ERIC JONDREY

Signature

[Signature] / *Eric Jondrey*

Date (yyyy/mm/dd)

2022/09/21



Ontario

Ministry of
the Environment

Form 2 - Record of Minor Modifications or Replacements to the Drinking Water System

RETAIN COMPLETED FORM - DO NOT SEND TO MOE

Part 1 - Drinking Water Works Permit Number

(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)

052-201 Issue #5

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)

The mixer in the Denfield Booster Pumping Station and Rechlorination Facility reservoir was removed and a new mixer was installed by Greatario. Completed August 29, 2022


The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print)	Name of Owner Representative (Print)
Municipality of Middlesex Centre	ERIC JONDREY
Signature	Date (yyyy/mm/dd)
	2022/09/02



in the centre of it all.

MUNICIPALITY OF MIDDLESEX CENTRE
10227 Ilderton Road – RR 2 Ilderton, ON N0M 2A0
P 519-666-0190 – Web: www.middlesexcentre.on.ca

EQUIPMENT DISINFECTION RECORD

Contractors must complete this information when a connection, modification or replacement is made in the distribution system.

Contractor Information:

Company / Contact Name	Grcatario Josh Rodriguez		
Address	Inverkeppon		
Telephone	519 536 8827	Email	JRodriguez@Grcatario.com

Equipment Name: Gridbee Mixer

Reason for Work: Mixer replacement

Location of Equipment in Process Stream: Reservoir

Is disinfection required:

YES

NO (circle one)

Is bacteriological sampling required:

YES

NO (circle one)

Is dechlorination required:

YES

NO (circle one)

Applicable Disinfection Procedure reviewed and followed (select one):

- ☐ AWWA C653-13 (Disinfection of Water Treatment Plants)
☐ AWWA C651-14 (Disinfecting Water Mains)
☒ AWWA C652-11 (Disinfection of Water Storage Facilities)
☐ Ontario Watermain Disinfection Procedure

NOTE: Disinfection is required for all portions of the facility that are downstream from the filter influent or that are downstream from the first point of disinfectant application in the treatment process when the water is disinfected prior to filtration. That part of the treatment facility handling raw water need not be disinfected but should be thoroughly cleaned. (AWWA C653)

Contractor Signature: [Signature]

Date: Aug 29, 2022

(performing required disinfection)

Describe Disinfection Process Followed:

Mixer soaked in 6% chlorine for 30 min before installation

Describe Chemical, Product and Materials Used:

Anchlor 6

Describe Dechlorination Process and Materials Used:

N/A

Internal Use Section:

Required Documentation Attached:

- ☐ Corresponding current MSDS
- ☐ Disinfection Plan

Check and Complete:

- ☒ Work recorded in log book.
- ☐ Work order submitted (if applicable).
- ☒ Sample results and chain of custody attached (if applicable). will be attached once received

1.0 Reference Documents

- 1.1 Equipment Manuals
- 1.2 AWWA C653-13 (Disinfection of Water Treatment Plants)
- 1.3 AWWA C652-11 (Disinfection of Water Storage Facilities)
- 1.4 AWWA C651-14 (Disinfecting Water Mains)
- 1.5 Ontario Watermain Disinfection Procedure



Ontario

Ministry of
the Environment

Form 2 - Record of Minor Modifications or Replacements to the Drinking Water System

RETAIN COMPLETED FORM - DO NOT SEND TO MOE

Part 1 - Drinking Water Works Permit Number

(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)

052-201 – issue #5

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)

Middlesex Centre Distribution System

Komoka BPS

Replaced existing 1/2 inch PVC ball valve for chlorine injectors with 1/2 inch stainless steel ball valve for CMP 02. Replaced pump head for CMP 02.

The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print)

Municipality of Middlesex Centre

Signature

[Signature]

Name of Owner Representative (Print)

Erc Jendry

Date (yyyy/mm/dd)

~~2022/10/23~~

2022/10/27



Ontario

Ministry of
the Environment

Form 2 - Record of Minor Modifications or Replacements to the Drinking Water System

RETAIN COMPLETED FORM - DO NOT SEND TO MOE

Part 1 - Drinking Water Works Permit Number

(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)

052-201 – issue #5

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)

Middlesex Centre Distribution System

Ilderton BPS

Replaced existing distribution chlorine day tank with 60L HDPE tank.

The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print) <i>Municipality of Middlesex Centre</i>	Name of Owner Representative (Print) <i>E. Jodary</i>
Signature <i>Cromwell</i>	Date (yyyy/mm/dd) 2022/11/24



Ontario

Ministry of
the Environment

Form 2 - Record of Minor Modifications or Replacements to the Drinking Water System

RETAIN COMPLETED FORM - DO NOT SEND TO MOE

Part 1 - Drinking Water Works Permit Number

(Insert the Drinking Water Works Permit number authorizing minor modifications or replacements to the Drinking Water System)

052-201 – issue #5

Part 2 - Description of Minor Modifications or Replacements (Use attachments if required)

Middlesex Centre Distribution System

Komoka BPS

Replaced pump head for CMP 01 and suction lines for CMP01&02.

The description shall include:

- 1) An identification of the system component being modified or replaced;
- 2) The location of the works being modified or replaced; and
- 3) A brief description of the modification or replacement

Part 3 - Verification by Owner

I hereby verify that

- 1) The minor modifications or replacements described in Part 2 of this form meets the requirements of the conditions of the Drinking Water Works Permit identified in Part 1 of this form which authorizes the minor modifications or replacements; and
- 2) I am authorized by the owner to complete this verification.

Name of Owner (Print)

Municipality of Middlesex Centre

Signature

[Signature]

Name of Owner Representative (Print)

A Joudry

Date (yyyy/mm/dd)

2022/11/23

***APPENDIX C – Approved Application for Pandemic Related Temporary
Regulatory Relief***

Application for Pandemic Related Temporary Regulatory Relief (Alternate Arrangement) for Municipal Residential Drinking Water Systems

For Office Use Only		
Reference Number 498	Date Received Jan 25, 2022	Initials HW

Owner Information	Operating Authority Information
Owner Name (Legal name of owner) Municipality of Middlesex Centre	Operating Authority Name Municipality of Middlesex Centre
Contact Name Eric Joudrey	Contact Name Eric Joudrey
Position/Title Manager of Water & Wastewater Operations	Position/Title Manager of Water & Wastewater Operations
E-mail Address joudrey@middlesexcentre.on.ca	E-mail Address joudrey@middlesexcentre.on.ca
Telephone Number (including area code and extension) 519-666-0190 x 255	Telephone Number (including area code and extension) 519-666-0190 x 255

System Identification	for systems subject to the requirements of the Safe Drinking Water Act, 2002 (SDWA) and Ontario Regulation 170/03 (O. Reg. 170/03)
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This form can be used to seek relief for **ONE** municipal residential drinking water system. Note: a separate form should be completed for each drinking water system. Where a system is divided into separate operational subsystems (e.g., treatment and distribution), please identify them all below. Where the entire system is operated by a single operating authority, identify that system below.

System / Subsystem Name	Operating Authority Name	Licence Number	DWS #s
Middlesex Centre Distribution	Municipality Middlesex Centre	052-101	260004202

Types of Relief (Alternate Arrangements)
--

Select the type(s) of relief that you would like the Ministry to consider issuing for the identified system(s) during the pandemic and provide details on proposed alternative requirements in the box below:

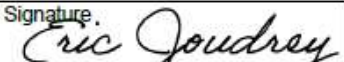
- | | |
|--|---|
| <input type="checkbox"/> Section 10.1(3) and/or Section 11 of O. Reg. 170/03 | <input type="checkbox"/> Chemical sampling further to Schedule 13 of O. Reg. 170/03 |
| <input type="checkbox"/> Schedule 10 or Schedule 11 of O. Reg. 170/03 | <input type="checkbox"/> Operational sampling further to Schedule 7 of O. Reg. 170/03 |
| <input checked="" type="checkbox"/> Schedule 15.1 of O. Reg. 170/03 | <input type="checkbox"/> Schedule 22 of O. Reg. 170/03 |
| <input type="checkbox"/> Requirements for operational testing by Certified Operator or Water Quality Analyst further to O. Reg. 170/03 | |
| <input type="checkbox"/> Any other regulatory requirements sought (please specify section(s) of regulation or condition(s) in the licence) | |

Describe relief sought (attach a separate document if more space is required)

However, with the unprecedented situation we are facing as a province and municipality in responding to the COVID-19 outbreak, we would urge the Ministry to cancel The Municipality of Middlesex Centre requirement to sample for lead for the winter sample period between December 15, 2021 to April 15, 2022 and June 2022 to October 2022. With the need for social distancing and quarantine, our residents are reluctant to invite unnecessary visitors to their homes, and our staff are similarly concerned about visiting residents' homes where the virus may be present.

Statement of Owner	<input checked="" type="checkbox"/> Check here if the owner has authorized the Operating Authority, as identified on this application form, to act on behalf of the owner for purposes of processing this application.
--------------------	--

I, the undersigned, am authorized to represent the owner of the drinking water system(s) for purposes of this application for the issuance of temporary relief from regulatory requirements during a pandemic outbreak event and to the best of my knowledge the information contained herein and the information submitted in support of this application is complete and accurate.

Name (please print) Eric Joudrey	Title Manager Water & Wastewater	Signature 	Date January 25, 2022
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Ministry of the Environment, Conservation and Parks Director

The Director under Part V of the Safe Drinking Water Act, 2002 (SDWA) hereby grants the relief as outlined in the following Notice of Amendment.

Signature



Digitally signed by Aziz Ahmed
DN: cn=Aziz Ahmed, o=EPB,
ou=MWWPS,
email=aziz.ahmed@ontario.ca,
c=CA
Date: 2022.02.08 15:26:38 -0500

Aziz Ahmed, P.Eng.
Director, Part V, SDWA

Dated at Toronto this

8th day of FEB, 2022

Application for Pandemic Related Temporary Regulatory Relief (Alternate Arrangement) for Municipal Residential Drinking Water Systems

Ministry of the Environment, Conservation and Parks Director

Notice of Amendment

NOTICE OF AMENDMENT

Safe Drinking Water Act, 2002, S.O. 2002, C.32

Pursuant to my authority as Director under Part V, sections 45 & 46 of the Safe Drinking Water Act, 2002, ("SDWA"), I hereby amend Municipal Drinking Water Licence #, _____ (the "Licence"), dated _____, to grant temporary relief from the regulatory requirements described in the above-noted Application for Pandemic Related Temporary Regulatory Relief (Alternate Arrangement) for Municipal Drinking Water Systems for the Municipal Drinking Water System identified in this Licence (the "System") as set out in the conditions below:

1. The amendments to the Licence take effect on the date of this Notice and shall be in effect until April 15, 2022, unless revoked, revised or extended prior to that time.
2. Subject to condition 1 and despite the provisions of O. Reg. 170/03 (Drinking Water Systems) and the Licence, the following relief is granted:

O. Reg. 170/03, Schedule 15.1, 15.1-4

For the sampling period of December 15, 2021 to April 15, 2022 the number of required sampling points in plumbing that serve private residences is zero (0), in plumbing in non-residential is two (2) and distribution samples is four (4).

3. All parts of the Licence not amended pursuant to this Notice remain in effect.
4. This Notice and the Application for Pandemic Related Temporary Regulatory Relief (Alternate Arrangement) for Municipal Drinking Water Systems, including all other information and supporting documents submitted in connection with the Application except as other specified herein, forms part of the Licence and shall be appended to the Licence for the period set out in condition 1.

Subsection 127(2) of the SDWA indicates that a decision of a Director made at the request or with the consent of an applicant for, or holder of, a permit, licence, certificate or approval is not a reviewable decision if the decision concerns the permit, licence, certificate or approval.

As my decision to amend the Licence to impose a condition accepting the above-noted regulatory relief is made at the request of the System's owner, it is not a reviewable decision under Part X of the SDWA.

Application for Pandemic Related Temporary Regulatory Relief (Alternate Arrangement) for Municipal Residential Drinking Water Systems

General Information and Instructions for Completing the Form

General:

- This form is intended to be used to apply for temporary regulatory relief during a pandemic emergency for: annual and summary reporting, operating, monitoring, and/or sampling at a municipal residential drinking water system regulated under the SDWA.
- This form **must be signed by the Part V, SDWA Director to be considered an approval by the Ministry** for the items being requested. Submission of this form does not imply approval by the Ministry of the items being requested.
- Should additional information be required in support of your application, Ministry staff will contact the individual(s) identified on this form for additional details and will specify a timeline for submission of the additional details. The Ministry may, where it deems appropriate, require a standard application for regulatory relief to be submitted.
- For assistance in completing the form, for questions related to its use, or if you require a copy in French or in an accessible format, please contact the Ministry's Municipal Water and Wastewater Permissions section by E-mail at MDWLP@ontario.ca or by phone, where necessary, at 647-982-8740.

Instructions:

1. A signed copy of the form and any attachments must be submitted by E-mail to MDWLP@ontario.ca
2. Information contained in this application is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the Freedom of Information and Protection of Privacy Act (FOIPPA) or other legally required disclosure. If you do not claim confidentiality at the time of submitting the information, the Ministry may make the information available to the public without further notice to you.
3. If the system's mailing address has changed from the address provided in the system registration to the Ministry please provide an attachment in your submission that contains the correct address information.