

Drinking Water Results Interpretation – École Sir John Franklin High School (30 Mar 2026)

This document is developed to provide interpretation information for the École Sir John Franklin High School drinking water results for the whole system.

Types of samples collected:

- **Tier 1 Sample:** Collected after 8 hours of stagnation (overnight).
 - What this shows: These results represent lead that may leach into the water from plumbing when water sits unused overnight.
- **Post Flush Sample:** Collected after flushing the fixture for 5 minutes, without any stagnation.
 - What this shows: These results represent any nearby or fixture-specific lead source that may leach into the water. These samples help identify the location of the issue in the plumbing system.
- **Tier 2 Sample:** Collected after flushing the tap for 5 minutes, followed by 30 minutes of stagnation.
 - What this shows: These results reflect typical water use during the day and represent lead exposure under regular conditions. This may vary in high usage areas.
 - Note: Tier 2.1 and Tier 2.2 samples were two 300 millilitre samples collected back-to-back and analyzed separately to support locating the source of lead. E.g., fixture vs pipes or joints.
 - CPHO consideration focuses on these results to assess human health risk.

Type of fixtures tested:

All drinking water fountains and classroom sinks are tested. A few additional samples were collected for other baseline analysis.

Who analyzed the results:

Water samples were tested by Taiga Environmental Laboratory.
The Office of the Chief Public Health Officer reviewed and interpreted the results for public health significance.

Summary of lead and copper testing results:



- At the École Sir John Franklin High School, **31 of the 42 fixtures** tested above Health Canada Guidelines for lead and/or copper.
- **28 of the 42 fixtures** tested above Health Canada's Guidelines for lead.
 - Health Canada's maximum acceptable concentration (MAC) for lead is 5 µg/L. Previously, in 2019, the MAC value was 10 µg/L.
 - The World Health Organization has established a guideline value of 10 micrograms per litre (µg/L) for lead in drinking water.
- **17 of 42 fixtures** tested above Health Canada's Guidelines for copper.
 - Health Canada's maximum acceptable concentration (MAC) is 2000 µg/L.
 - The World Health Organization has established a guideline value of 2000 micrograms per liter.

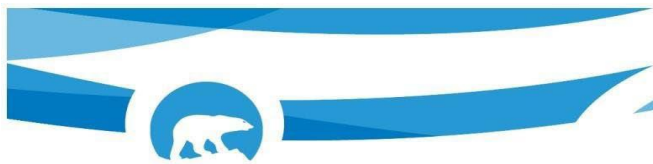
Note: 14 of the 31 fixtures that tested above Health Canada's Guidelines, exceeded for both lead and copper.

Detailed results for lead:

Location ID	Description of Location	Tier 1 (µg/L)	Post-Flush	Tier 2.1 (µg/L)	Tier 2.2 (µg/L)	Public Health Order Status
1057	Culinary Arts Storage Room	18.0	2.2	7.4	4.1	Do Not Consume
1059A	Culinary Arts Room	14.6	1.6	17.9	2.6	Do Not Consume
1059B	Culinary Arts Room	31.3	2.7	69.2	21.8	Do Not Consume
1059C	Culinary Arts Room	8.2	1.3	2.3	2.3	Flushing Required
1059D	Culinary Arts Room	11.7	1.8	2560.0	736.0	Do Not Consume
1059E	Culinary Arts Room	21.6	0.8	177.0	2.3	Do Not Consume
1060A	Canteen Hand Sink	13.5	148.0	164.0	61.3	Do Not Consume
1060C	Canteen	4.3	1.9	20.6	5.2	Do Not Consume
2006	Rooms 13/Night School Classroom	7.4	0.1	2.7	1.1	Flushing Required
1063B	NACC Women's Change Room (1 of 2)	75.7	0.9	23.2	9.9	Do Not Consume

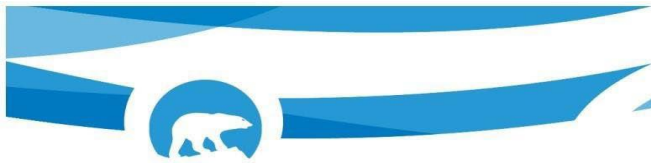


1063C	NACC Women's Change Room (2 of 2)	141.0	1.4	47.9	25.3	Do Not Consume
1063D	NACC Men's Change Room (1 of 2)	135.0	0.7	57.4	3.6	Do Not Consume
1063E	NACC Men's Change Room (2 of 2)	86.8	0.7	33.8	4.5	Do Not Consume
1098	Workshop Near Drama Room	32.1	12.5	15.7	1.8	Do Not Consume
1121	9C Workshop	6.9	0.2	1.0	1.1	Flushing Required
2042	Classroom 28	71.0	0.8	27.5	40.6	Do Not Consume
2040	Classroom 27	161.0	2.7	45.4	109.0	Do Not Consume
2038	Classroom 26	4.8	0.2	7.4	0.9	Do Not Consume
2035	Classroom 25	10.5	0.3	4.0	1.1	Flushing Required
2034	Classroom 24	21.8	0.2	8.6	2.0	Do Not Consume
2031	Classroom 22	11.7	0.2	13.5	7.6	Do Not Consume
2033	Classroom 23	13.5	0.5	2.4	1.0	Flushing Required
2050	Classroom 33	824.0	1.5	27.4	33.6	Do Not Consume
2049	Classroom 32	8.7	0.2	1.3	0.4	Flushing Required
2048	Classroom 31	26.0	0.2	4.1	0.4	Flushing Required
2075	Classroom 42	8.1	0.5	1.5	1.9	Flushing Required
2071	Drinking Water Fountain Near Classroom 42	8.4	3.4	3.6	3.6	Flushing Required
2074	2 nd Floor Staff Work Room	56.1	-	9.9	6.9	Do Not Consume



Detailed results for copper:

Location ID	Description of Location	Tier 1 (µg/L)	Post-Flush	Tier 2.1 (µg/L)	Tier 2.2 (µg/L)	Public Health Order Status
1059A	Culinary Arts Room	2160.0	168.0	563.0	632.0	Do Not Consume (due to lead exceedance)
1059B	Culinary Arts Room	2040.0	192.0	997.0	670.0	Do Not Consume (due to lead exceedance)
1059D	Culinary Arts Room	2800.0	122.0	3350.0	1250.0	Do Not Consume
1059E	Culinary Arts Room	2520.0	117.0	1130.0	726.0	Do Not Consume (due to lead exceedance)
1060A	Canteen	2470.0	556.0	1430.0	1340.0	Do Not Consume (due to lead exceedance)
2001	Drinking Water Fountain Upstairs Hallway Front of School	2480.0	1840.0	1800.0	1800.0	Flushing Required
1063C	NACC Woman's Change Room (2 of 2)	2120.0	223.0	954.0	908.0	Do Not Consume (due to lead exceedance)
1063E	NACC Men's Change Room (2 of 2)	2040.0	202.0	1110.0	444.0	Do Not Consume (due to lead exceedance)
1098	Workshop Near Drama Room	4630.0	2230.0	1760.0	1040.0	Do Not Consume
1118	9A Cosmetology Lab - Sink closest to door	2320.0	214.0	774.0	597.0	Flushing Required
1121	9C Workshop	2520.0	202.0	599.0	884.0	Flushing Required
2038	Classroom 26	2930.0	167.0	2790.0	993.0	Do Not Consume



2035	Classroom 25	2350.0	152.0	640.0	831.0	Flushing Required
2031	Classroom 22	2050.0	194.0	1100.0	1310.0	Do Not Consume (due to lead exceedance)
2050	Classroom 33	5960.0	68.3	477.0	856.0	Flushing Required
2049	Classroom 32	2210.0	131.0	762.0	487.0	Flushing Required
2048	Classroom 31	2610.0	117.0	851.0	496.0	Flushing Required

All other drinking water fountains and fixtures showed results well below Canadian guidelines.