Wastewater Trend Analysis Report: SARS-CoV-2 Detection by N1 and N2 RT-qPCR



Agence de la santé publique du Canada **Public Health** Agency of Canada



Statistics Canada

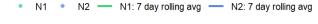
Statistique Canada

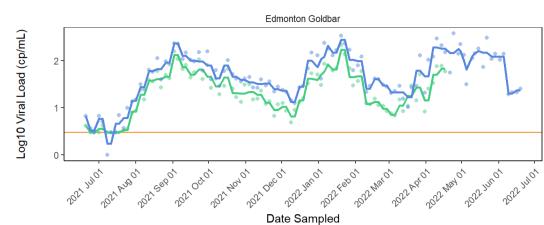
Longitudinal data ending 2022-06-19

The graphs show the concentration (copies/mL) of the SARS-CoV-2 N1 and N2 genes in wastewater samples from different sites using RT-qPCR. N1 (green) and N2 (blue) are reported for a one year period with lines representing the 7-day rolling average. The orange line represents the limit of quantification of the assay.

Beginning the week of April 25, 2022, the NML will no longer be performing the N1 assay and will only report the N2 results. Since the detection of Omicron in wastewater in late December 2021, our results have shown the N2 assay is more sensitive than N1.

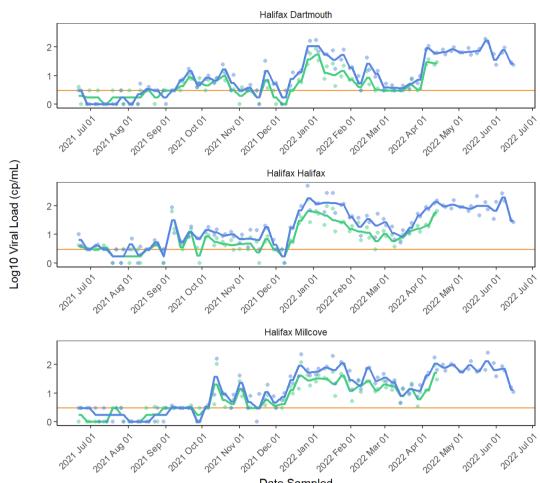
Edmonton





Halifax

N1: 7 day rolling avg — N2: 7 day rolling avg

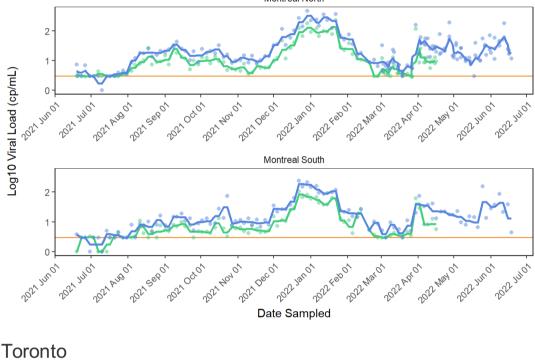


Montreal

Montreal North

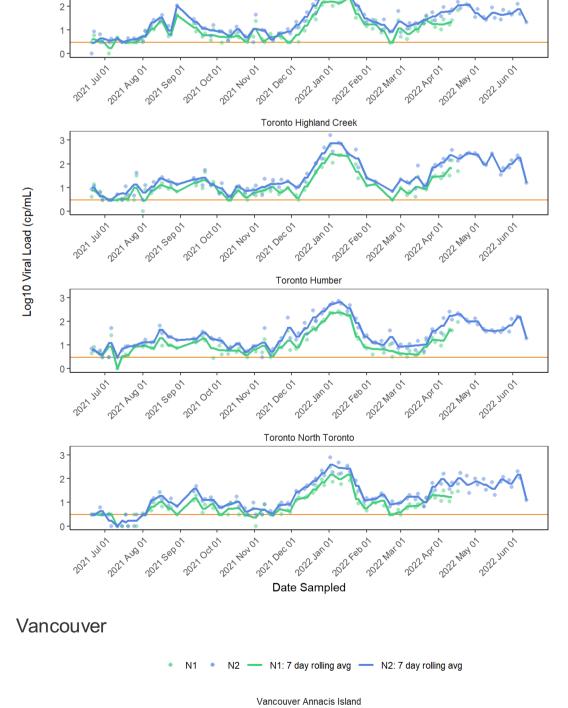
N1 • N2 — N1: 7 day rolling avg — N2: 7 day rolling avg

Date Sampled



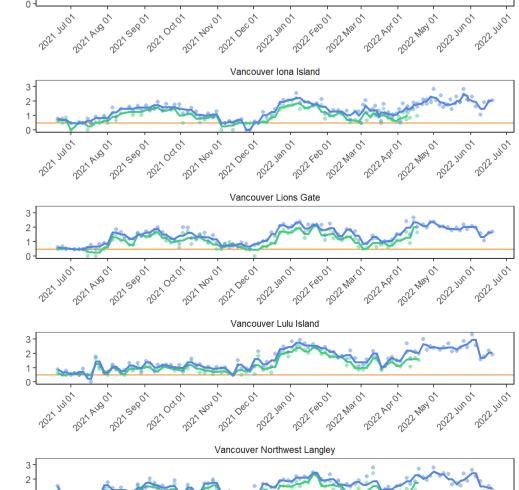
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N2 — N1: 7 day rolling avg — N2: 7 day rolling avg



Log10 Viral Load (cp/mL)





2027 00101

2027 40407

2021 Dec 01

2022 Feb 01

Date Sampled

2022 May 01

2022 May 01

2022 8290

7027 Sep 07

2027 AUG 07