

**Portsmouth, NH Peirce Island Wastewater Treatment Facility
SARS-CoV-2 Biomarker Results Summary**

Report Date: June 10, 2022, 2021; Sampled by: Kathy Sanborn June 7, 2022
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Dates Sampled for this Monitoring Period:

Tuesday, June 7, 2022*

*New samples since last report

Method: A 24-hour flow weighted composite sample was taken from June 6-7, 2022. This sample was preprocessed and extracted using a solids separation, Ceres Nanoscience viral concentration, and Kingfisher extraction approach on 06/08/22. Two viral markers (N1 and N2) and one human biomarker (RP) were quantified via Bio-Rad QX200 ddPCR.

Results: Both SARS-CoV-2 N1 and N2 viral biomarkers were detected (LOD=172 copies/100 ml) for the composite sample taken June 6-7, 2022.

Table 1: Sample IDs and biomarker results for Portsmouth, NH WWTF composite sampling. "BDL" represents values below the quantified limits of instrument detection of 172 copies/100 mL wastewater.

	SARS-CoV-2 Biomarkers	
Sample Date	N1 copies/100mL	N2 copies/100mL
06/07/2022	598	633

For more detailed information regarding local, county, and statewide COVID-19 infections, please refer to the data reported through the New Hampshire Division of Health and Human Services website <https://www.covid19.nh.gov/dashboard>.