

Pease, NH Wastewater Treatment Facility SARS-CoV-2 Biomarker Results Summary

Report Date: December 21st, 2022

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Dates Sampled for this Monitoring Period:

Tuesday, October 4th, 2022
Tuesday, October 11th, 2022
Tuesday, October 18th, 2022
Tuesday, October 25 th , 2022
Tuesday, November 1st, 2022
Tuesday, November 8 th , 2022
Tuesday, November 15 th , 2022
Tuesday, November 22 nd , 2022
Tuesday, November 29 th , 2022
Tuesday, December 6 th , 2022
Tuesday, December 13 th , 2022

Method: A 24-hour composite sample was taken on the date shown above. This sample was preprocessed and extracted using a solids separation, Ceres Nanoscience viral concentration, and Kingfisher extraction approach. The N1 viral marker was quantified via QIAcuity dPCR.

Results: SARS-CoV-2 N1 was detected (LOD=250 copies/100 ml) for this sample at the levels reported in Table 1.

Table 1: Sample date and biomarker results. "BDL" represents values below the quantified limits of instrument detection of 250 copies/100 mL wastewater.

SARS-CoV-2 Biomarkers	
Sample Date	N1 copies/100mL
10/4/2022	BDL
10/11/2022	1217
10/18/2022	425
10/25/2022	BDL
11/01/2022	298
11/8/2022	BDL
11/15/2022	BDL
11/22/2022	BDL
11/29/2022	BDL
12/06/2022	15973
12/13/2022	548