

Ogunquit Wastewater Test Samples SARS-CoV-2 Biomarker Results Summary
 Report Date: September 15, 2021; Sampled September 13, 2021
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Dates Sampled for this Monitoring Period:

Monday, July 19, 2021
Thursday, July 22, 2021
Monday, July 26, 2021
Monday, August 2, 2021
Monday, August 9, 2021
Monday, August 16, 2021
Monday, August 23, 2021
Monday, August 31, 2021
Monday, September 6, 2021
*Monday, September 13, 2021

*New samples since last report

Method: The samples were preprocessed and extracted using a solids separation, Ceres Nanoscience viral concentration, and QiaCube extraction approach. Two viral markers (N1 and N2) and one human biomarker (RP) were quantified via Bio-Rad QX200 ddPCR.

Results: The SARS-CoV-2 viral biomarkers was detected above our detection limit (LOD=172 copies/100 ml) for the sample taken 09/13/21.

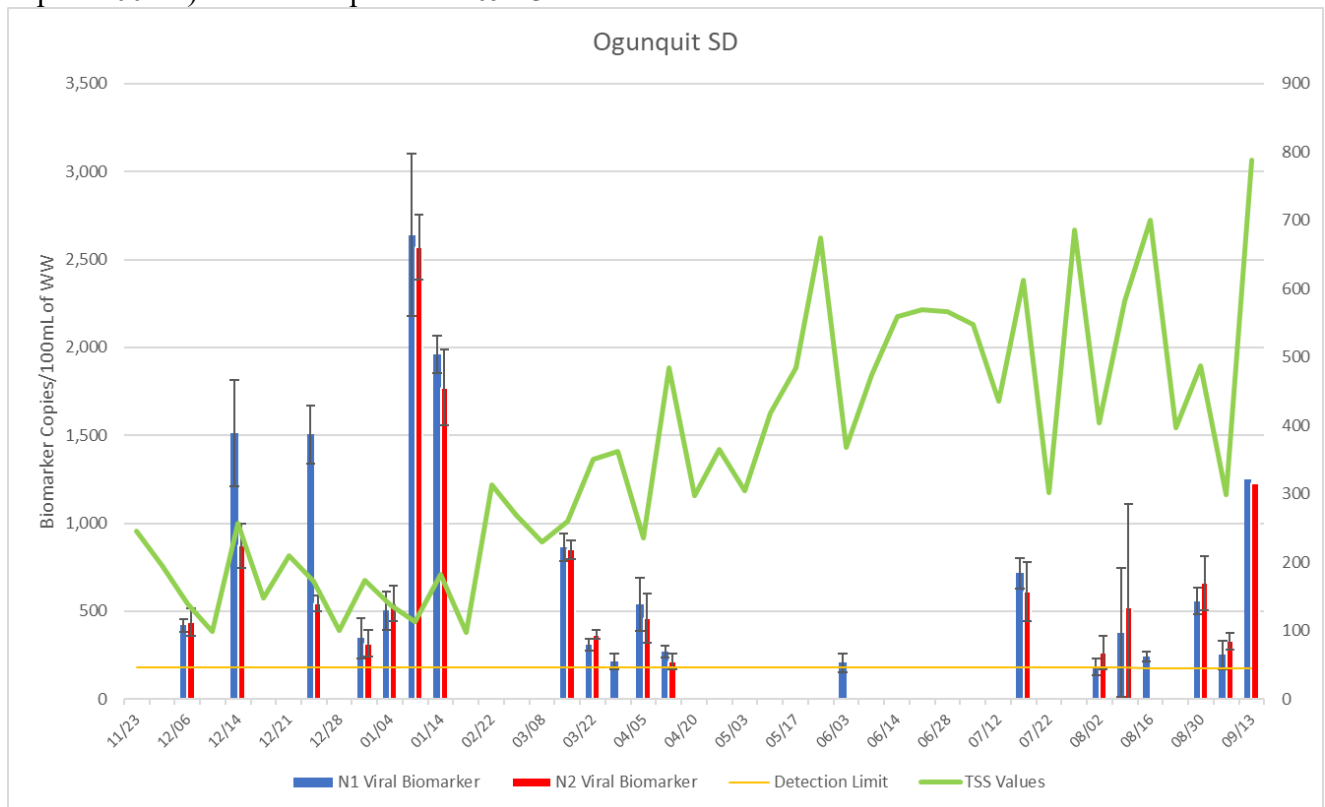


Figure 1: Temporal trends for Ogunquit SD overlain with TSS data.

Table 1: Sample IDs and biomarker results for Ogunquit grab sampling. "BDL" represents values below the limit of detection (LOD) which represents the instrument quantification detection limit of 172 copies/100 ml wastewater. *Human RP gene below detection limit.

Sample Date	Ogunquit SD	
	N1 copies/100mL	N2 copies/100mL
5/17/2021	*BDL	*BDL
5/23/2021	*BDL	*BDL
6/1/2021	207	BDL
6/7/2021	*BDL	*BDL
6/14/2021	*BDL	*BDL
6/21/2021	*BDL	*BDL
6/28/2021	*BDL	*BDL
7/8/2021	*BDL	*BDL
7/12/2021	*BDL	*BDL
7/19/2021	*715	*610
7/22/2021	*BDL	*BDL
7/26/2021	*BDL	*BDL
8/2/2021	*183	*265
8/9/2021	*379	*523
8/16/2021	242	BDL
8/23/2021	BDL	BDL
8/31/2021	557	659
9/6/2021	251*	329*
9/13/2021	1252	1227

We are tracking the viral biomarker trends in conjunction with COVID-19 infections reported through the state of Maine Centers for Disease Control and Prevention website (<https://www.maine.gov/dhhs/mecdc/infectious-disease/epi/airborne/coronavirus/data.shtml>). As of its last report, Ogunquit reported >100 cumulative infections to date (Table 2).

Table 2: Cumulative case numbers for the town of Ogunquit and York County.

Ogunquit	>100 cases as of 09/05/21
York County	15,454 cases as of 09/14/21