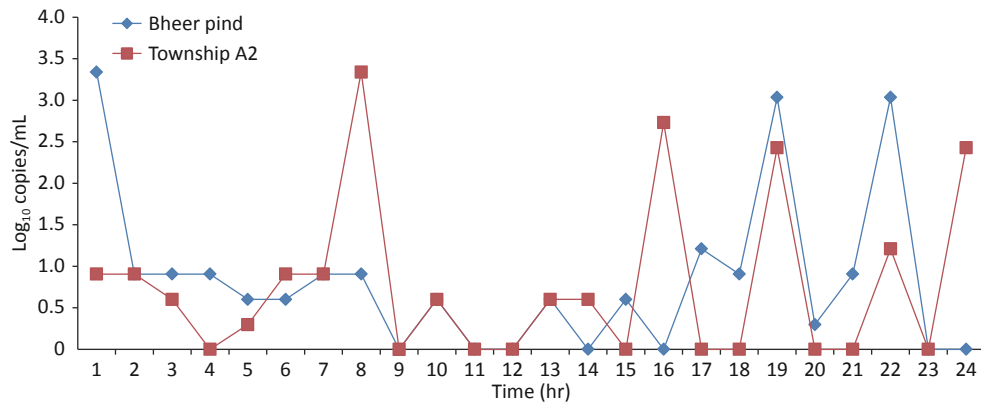


**Supplementary Figure S1.** Standard curve of Ct values of real-time RT-PCR against the log<sub>10</sub> copies/mL of SARS-CoV-2.



**Supplementary Figure S2.** Graphical display of the SARS-CoV-2 viral load as log<sub>10</sub> copies/mL at Site 05 of Johar Town and Site 20 of Township with respect to time in hours starting from 1:00 am for the period of 24 hours.

**Supplementary Table S1.** Dimensions of sewage pipelines and longitudes and latitudes of the sampling sites

Sampling sites	Line diameter (inches)	Longitude	Latitude
Johar town C-Block			
Site 1	12	74.29545	31.4524723
Site 2	9	74.2977366	31.4557036
Site 3	9	74.2942093	31.4573861
Site 4	9	74.2989921	31.4552673
Bheer pind LS	42	74.2952135	31.4572428
Township A-II sector			
Site 1	9	74.2928192	31.435475
Site 2	12	74.294026	31.454058
Site 3	36	74.2929095	31.4352528
Site 4	36	74.2929237	31.4354824
Site 5	9	74.3165282	31.4551185
Site 6	9	74.3157992	31.4552004
Site 7	9	74.3175337	31.4546141
Site 8	18	74.3180418	31.4547766
Site 9	18	74.3166218	31.4552856
Site 10	18	74.3175544	31.4549163
Site 11	9	74.3175511	31.4546758
Site 12	9	74.3189623	31.451292
Site 13	9	74.3191111	31.4515717
Site 14	9	74.3145578	31.4526552
Site 15	9	74.3142842	31.4521259
Site 16	9	74.3157992	31.4552004
Site 17	9	74.3165282	31.4551185
Site 18	9	74.3145578	31.4526552
Site 19	9	74.3175337	31.4546141
Township LS	36	74.3128196	31.4515134
Green town DS	36	74.3125476	31.455127
Ameer chowk DS	36	74.289159	31.4343771
Sadiq chowk DS	36	74.3055126	31.4483829

**Note.** LS: lift station; DS: disposal station.