Prestige EnviroMicrobiology, Inc.

Analytical Test Report

Client: Omega Environmental Services, Inc., 280 Huyler Street, South Hackensack, NJ 07606

Client Project/Name: 21-1020

Sample date: 02-15-2021 & 02-16-2021

Submittal date: 02-16-2021

Sample received: 02-17-2021

Samples submitted by: Val Rublikov

Date analysis completed: February 17, 2021

Prestige Report number: 210217-01

RT-PCR 2019-nCoV: Analysis of Water samples for the detection of SARS-CoV-2 Genetic Markers

Prestige # Client sample ID Location	2019-nCoV (N1 Protein)	Cycle Threshold (Ct) Value[3] (N1 Protein)	2019-nCoV (N2 Protein)	Cycle Threshold Value[3] (N2 Protein)	Conc. (copies of RNA/mL)
210217-01-001 Oak-05	ND	ND	ND	ND	NA
210217-01-002 Laurel M-05	Positive	38.41	Positive	38.89	2
210217-01-003 Laurel E-05	Positive	35.42	Positive	36.02	17
210217-01-004 Greek Honors-05	Positive	38.51	Positive	38.96	2
210217-01-005 Honors Only-04	ND	ND	ND	ND	NA
210217-01-006 Cypress-05	Positive	34.87	Positive	35.55	21
210217-01-007 Redwood-04	Positive	32.15	Positive	32.59	180

Report approved: _____
Theresa Lehman, MPH, Lab Director

Technical Manager: _____
Chin S Yang, Ph.D.

Analyst: Ching-Yi Tsai, Ph.D.

1. The samples in this report were received in good, acceptable conditions. Results relate only to the items tested.
2. Wastewater samples are processed following the protocol described in the article: Ahmed, W., et al. 2020. First confirmed detection of SARS-CoV-2 in untreated wastewater in Australia: A proof of concept for the wastewater surveillance of COVID-19 in the community. Science of the Total Environment 728. https://doi.org/10.1016/j.scitotenv.2020.138764
3. The primers and probes in 2019-nCoV CDC EUA Kit are designed for the detection of the two SARS-CoV-2 genes that encode for the N1 and N2 proteins. The kit is manufactured and supplied by Integrated DNA Technologies and approved by the U.S.

Centers for Disease Control and Prevention (CDC). Three controls, two positive controls for N proteins and one internal control for the RNA extraction process, are simultaneously run with the samples.
4. Cycle Threshold Value refers to the number of cycles required for the fluorescent signal to cross the detectable threshold in Reverse Transcriptase Polymerase Chain Reaction (RT-PCR); a lower cycle threshold value indicates a higher viral load.
5. ND = not detected, no genetic marker is detected within 40 PCR cycles. NA = not applicable. The detection limit is 10 copies/reaction.