SARS-CoV-2 Wastewater Analysis Report

Prepared for:
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City of Sitka

Report Date:
October 16th, 2020

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Collection Date</th>
<th>Date Sample Retrieved at UAA</th>
<th>COVID-19 PCR Ct value</th>
<th>COVID-19 RNA copies per L (estimated)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>STC 1013P</td>
<td>October 13th, 2020</td>
<td>October 13th, 2020</td>
<td>Not detected</td>
<td></td>
</tr>
</tbody>
</table>

*Detection limit is 100 viral gene copies per L.

**Indications of COVID-19 in Sitka, Alaska wastewater:** SARS-CoV-2 has not been detected in wastewater from Sitka, AK.

**About the data**
Wastewater was tested for COVID-19 using a sensitive PCR test for coronavirus RNA. Wastewater samples were processed to obtain purified RNA, which was tested in the Conoco Phillips Integrated Science Building laboratory at UAA by a validated COVID-19 PCR detection assay, with a detection limit of <100 COVID-19 RNA copies/L (UAA, 26 June 2020). Methods for detecting SARS-CoV-2 in sewage are adapted from CDC protocols and detects genetic fragments of the virus. It does not determine if the virus is dead or alive or the number of infected people.