

COVID-19 Wastewater Sampling



COVID-19 currently threatens communities around the world. Being informed about community health can help mitigate potential outbreaks that can be costly to businesses and local governments. One technique used to gather this information is wastewater surveillance. The term “wastewater” includes water discharged from houses and other buildings that can contain fecal waste from toilets, commonly referred to as “sewage,” but also includes water from showers, sinks, laundry, and non-household sources such as rainwater and water from industrial use. EnviroScience can provide field sampling plans and RNA testing services to detect the virus SARS-CoV-2, which causes COVID-19, in environmental samples. EnviroScience does not perform medical testing, such as PCR or antigen testing.

Sewage testing has many advantages, including success as a method of detecting COVID-19 before an outbreak occurs. This early detection is possible because SARS-CoV-2 can be shed in the feces of both symptomatic and asymptomatic individuals. The ability to capture data on both types of infection is crucial for informed community and business decision making. The quantitative measurements from untreated sewage can be a leading indicator of changes in total community infection rates contributing to a particular wastewater treatment plant (otherwise known as a “sewershed”), depending on the frequency of testing. The obtained RNA data provides an indicator of infection independent from clinical testing and medical care seeking behaviors.

The CDC recommends that the following communities consider wastewater sampling for COVID-19:

- Local, state, and tribal health departments
- Universities and schools
- Wastewater treatment plants
- Businesses
- Nursing homes

EnviroScience has the capability and expertise to perform these sampling and testing services quickly at a reasonable cost. Getting ahead of community spread is the best way to

keep all individuals, especially those at high risk, safe. Call us today to learn more and discuss your particular needs and how EnviroScience can help.

For a project estimate or more information about our services, please submit your information below. Please note these services are typically performed for commercial entities, such as those listed above.

Name (required)

Email (required)

Phone

Project Location

Project Type / Services Needed

Photos/Documents

If you need a response within an hour or less, please call us at [800-940-4025](tel:800-940-4025).