



BIOSOLIDS SAMPLE VOLUME

HOW DO I GUESS MY TOTAL SOLIDS PERCENTAGE DURING SAMPLING?

BioVir's "no look" guess at your Biosolids solids percentage...

If it is like water..... Then it is probably 0.1 to 2% Total Solids

If it is like catsup..... Then it is probably around 5% Total Solids

If it is like loose cottage cheese (large curd), or pudding..... Then it is probably around 10% Total Solids

If it is like cream cheese..... Then it is probably around 15% Total Solids

If it looks pretty dry.... Then it is most likely 20% or more Total Solids

50% Total Solids is dusty.

HOW MUCH SAMPLE DO I SEND TO BIOVIR?

Please think first in Dry Weight, not Wet Weight for how much sample will be needed then convert to Wet Weight for actual sample volume to take.

Fecal Coliform = 1 gram Dry Weight

Salmonella = 4 grams Dry Weight

Helminth Ova = 4 grams Dry Weight

Enteric Virus = 8 grams Dry Weight (preferred), 4 grams Dry Weight minimum

Total Solids = 0.5 grams Dry Weight approximately



For the sake of sample volume, consider each guestimate of Total Solids percentage to be 1 gram dry weight per percent, per 100 mL or 100 grams of wet weight sample.

Depending upon how many analytes you want us to run the sample volume can vary dramatically. If you have a 1% Total solids sample and you want all the analytes above run, then you would need to send us approximately 2 liters of sample. If you only want Salmonella run then the sample would be approximately 500 mL.

We have received samples at 0.1% total solids. This would require 20 liters of sample to run all the 503 analytes! This is not a biosolid but a wastewater. BioVir would prefer to receive a 1 liter sample and report results in a per liter basis, not a per gram basis. This does not satisfy the requirements of the 503 rule and should be discussed with your regulator prior to sending this type of sample to us.