

NOTES ON SAMPLE COLLECTION

Our goal in analyzing the chemistry and biology of a sample is to evaluate the system as a whole. This helps to identify the type of mineral deposit or biological mass which is affecting your well or water system operation. To this end we ask you to sample your well both from the casing water and from the aquifer. After the well has been left idle overnight (or from 8 to 12 hours) collect a sample immediately after the water from the column pipe has been discharged and mark it "casing". This should represent the casing sample. Then let the well pump for sufficient time to evacuate multiple volumes from the screen and casing area. Collect a sample of this water and mark the sample "aquifer". Please collect a minimum of 1 liter for each sample, and completely fill the bottles with your sample water leaving no headspace. Comparison of these samples will then give a more complete picture of well health and any fouling activity.

Exceptions to the above procedure can be made but should be documented. Depending on the challenges faced, you may want to draw a series of samples to represent the casing area, the gravel pack, and deeper into the formation. If the well is offline, you may want to consider bailing samples from the upper and lower sections to evaluate changes that may be occurring. Scale, sediment, or slime samples can be utilized to compliment water sample data. Collect deposit samples and place them in a sealed container or sealable plastic bag. Please note the location of sample collection (e.g. pump column, sump, etc.) and date on the container.

Samples need not be refrigerated during shipment if received by the lab within 3 days of sampling. You should not use any type of preservative and should ship to our lab immediately. All major carriers offer daily drop off at our laboratory. Schedule sampling to occur for shipments to be received Monday through Thursday.

Please fill out a Well Sample Data Sheet for each well sampled. These can be submitted online or with the samples. You may send any additional operating information, logs, videos, etc. with the samples, as well as your objectives in having the analysis performed.

Specific requests for contracts, certificates of insurance or special testing must be submitted prior to sample arrival or additional fees will be assessed. Special testing, research activities, infiltration studies, etc., can be performed on request, please contact us for more information.

For more information on pricing, sample containers, sampling procedures or testing methods, please contact us at:

Phone: 785-242-6166 ext. 1

Email: lab@h2osystems.com

URL: <http://www.h2osystems.com>

Ship samples to: Water Systems Engineering, Inc.
Attention: Lab
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Ottawa, KS 66067