

ICP-MS Sample Approval Form

Updated 09-20-10 Patty Wurm

Desired Matrix

All samples should be in a 2% HNO₃, 0.5 % HCl matrix.
No suspended solids are allowed.
Total dissolved solids must be below 0.5% by mass (5 g/L).
No organics are allowed.
The upper concentration range for most elements is < 200 ug/L.
The upper concentration range for Fe K Ca Na Mg is < 200,000 ug/L.
If samples are at higher concentrations, then dilute samples before analyzing.
Approximately 3 mls of sample is needed to run on ICP-MS.

Your Sample Matrix

What is in the matrix of the sample?

Does it contain any organics?

What are the approximate total dissolved solids in sample in mg/L?

Are there any suspended solids in the sample?

If so have the samples been filtered and with what type and size filter?

Your Element List

What elements are you looking for?

What approximate concentration of these elements are in your samples?

What approximate concentration of other elements are in your samples?

How many samples do you have to analyze?

What is your anticipated frequency of using the ICP-MS?

Your Name

Phone Number

Email

Department

PI

Approved by

Date