

**Laboratory for Metals in the Environment  
ICP-MS Sample Analysis Request**

Name \_\_\_\_\_ Phone number \_\_\_\_\_

e-mail \_\_\_\_\_ Department \_\_\_\_\_

Campus/Company \_\_\_\_\_ Advisor \_\_\_\_\_

RIMS account and fund number \_\_\_\_\_

Note: a PSU RIMS account is required for billing. Name & email address should match RIMS account info.

Number of samples \_\_\_\_\_ Analysis requested: \_\_\_ Solution \_\_\_ Laser Ablation

Would you like to run your own samples? \_\_\_\_\_ Are you currently trained for the ICP-MS? \_\_\_\_\_

Basic sample description (soil, rock, water, etc)

List the analytes you are requesting and the expected range of concentrations in the sample as submitted

Analyte	Concentration	Analyte	Concentration	Analyte	Concentration

Samples submitted for solution analysis by ICP-MS must meet the following prior to analysis. If they do not, additional sample preparation may be required:

- 7 mL of sample is required (more is often necessary and recommended)
  - Must be prepared in 2-5% HNO<sub>3</sub> acid (ultra-pure grade is recommended)
  - Completely dissolved and free of particulates
  - Diluted to an appropriate range for elements of interest (usually 1–100 ppb).
  - TDS <0.2% (m/v)
  - NO organic components in solution
  - NO HF acid
- All analyses will include at least one measurement of NIST SRM 1640a or SRM 612 if applicable.
  - Samples and containers will be saved for at least two months before disposal unless otherwise requested.

**FORM MUST BE SUBMITTED AND APPROVED ANALYSIS CAN BE PERFORMED**

**For manager's purpose only:**

Dissolution required? Y/N \_\_\_\_\_ Dilution Required? Y/N \_\_\_\_\_  
 Matrix: \_\_\_\_\_ Person analyzing sample \_\_\_\_\_  
 \_\_\_\_\_ Instrument \_\_\_\_\_ CCT \_\_\_\_\_ IS \_\_\_\_\_ Calibration Std  
 Date Rec'd \_\_\_\_\_ Run \_\_\_\_\_ Billed \_\_\_\_\_

**Additional Questions:**

Please list any additional analytes you are requesting that did not fit on the first page

Analyte	Concentration	Analyte	Concentration	Analyte	Concentration