

**Laboratory for Isotopes and Metals in the Environment**

**ICP-MS Sample Analysis Request**

Name \_\_\_\_\_ Phone number \_\_\_\_\_  
 e-mail \_\_\_\_\_ Dept./Company \_\_\_\_\_  
 Advisor \_\_\_\_\_ Advisor's Consent for Billing? Y N N/A

LEO account and fund number \_\_\_\_\_  
 Note: a PSU LEO account is required for billing. Name & email address should match LEO account info.

Number of samples \_\_\_\_\_ Analysis requested: Solution \_\_\_\_\_ Laser Ablation \_\_\_\_\_  
 Time Sensitive? Y N Does your sample contain In, Rh, or Sc? Y N Unknown  
 Would you like to run your own samples? Y N Are you currently trained on the ICP-MS? Y N  
 Basic sample description (soil, rock, water, etc.):

List the analytes of interest and the expected concentrations in the sample as submitted (cont'd next page)

Analyte	Conc. (ppb)	Analyte	Conc. (ppb)	Analyte	Conc. (ppb)

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
- Samples and containers will be saved for ONLY two months before disposal. We do not permit long-term storage of samples in the lab.

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

**Manager Use Only:**

Dissolution required? Y / N Note: \_\_\_\_\_ Dilution Required? Y / N Note: \_\_\_\_\_  
 Matrix: \_\_\_\_\_ Instrument \_\_\_\_\_ CCT \_\_\_\_\_ IS \_\_\_\_\_ Calibration Std \_\_\_\_\_

Date Rec'd \_\_\_\_\_ Run \_\_\_\_\_ Billed \_\_\_\_\_

**Additional Information:**

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

Analyte	Concentration	Analyte	Concentration	Analyte	Concentration

Additional Notes: \_\_\_\_\_