

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

**IRMS Sample Analysis Request**

No one is to use the IRMS without training and approval of the laboratory manager. Anyone who introduces materials into the instrument without approval will have his/her access to the facilities revoked.

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

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

Department \_\_\_\_\_ Advisor \_\_\_\_\_

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 \_\_\_\_\_

Unused samples to be \_\_\_\_ returned \_\_\_\_ disposed of by LIME

Basic sample description (plant, compound, soil, rock, headspace, etc):

Instrument Configuration:

\_\_\_\_ Elemental Analyzer (stand-alone)      \_\_\_\_ Elemental Analyzer/IRMS      \_\_\_\_ Gas Bench/IRMS

Isotope System(s):

\_\_\_\_ Carbon (EA, EA/IRMS, or GB/IRMS)      \_\_\_\_ Nitrogen (EA or EA/IRMS)      \_\_\_\_ Oxygen (GB/IRMS)

Samples submitted for analysis by EA and GB/IRMS must meet the following prior to analysis. If they do not, additional sample preparation may be required:

- Purified appropriately for instrument and isotope system of interest
- Completely dried and powdered and in an appropriate storage container
- Appropriate mass of sample required for instrument limit of detection (contact lab manager for details)

FORM MUST BE SUBMITTED AND APPROVED ANALYSIS CAN BE PERFORMED

**For manager's purpose only:**

Stds Needed \_\_\_\_\_ Analyst: \_\_\_\_\_

Date Rec'd \_\_\_\_\_ Analyzed \_\_\_\_\_ Billed \_\_\_\_\_