

To whom it may concern

14 November 2023

Subject: Research activities for Lic. Sabrina Ignacio during her stay in Graz in 2023

- Grinding of each freeze-dried muscle and liver sample
- Acid digestion of muscle and liver samples from different species of fish for human consumption
- Preparation of water samples associated with fish samples
- Preparation of calibration standards, solvents
- Analytical determination of total Arsenic, from each previously digested and prepared sample, through the use of inductively coupled plasma mass spectrometry (ICPMS)
- Analysis of preliminary results. Selection of samples to perform speciation analysis
- Organic extraction of muscle and liver samples from different species of fish for human consumption
- Preparation of extractions for subsequent analysis
- Preparation of calibration standards, mobile phases

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- Speciation analysis of organic and inorganic forms of arsenic through the use of high-precision liquid chromatography (HPLC) and inductively coupled plasma mass spectrometry (ICPMS), of the samples prepared previously
- Analysis of results (in progress)

Best regards



Ao.Univ.-Prof. Mag. Dr. Walter Goessler