

Empa is the research institute for materials science and technology of the ETH Domain and conducts cutting-edge research for the benefit of industry and the well-being of society.

Empa's Laboratory for Air Pollution and Environmental Technology develops atmospheric measurement techniques and modelling tools as a contribution to a healthy and safe environment. For the development of our organic trace gas measurements and for the support of European projects in this field, we are looking for an

analytical chemist, environmental scientist (m/f/d) 100%

Your tasks

- Measurements of volatile organic compounds (VOCs) in Zürich, using gas chromatography
- Introduction of continuous formaldehyde measurements at an urban site
- Development of software tools for the quality assurance of continuous VOCs measurements within a European infrastructure project
- Method development for the analysis of VOCs and halogenated greenhouse gases by GC-MS
- Analysis of volatile organic compound (VOC) data from urban sites in Switzerland
- Statistical analysis and visualization of the data
- Development of software tools for the quality assurance of continuous VOCs measurements
- Support of measurements of halogenated greenhouse gases at Jungfrauoch with GCMS

Required qualifications

- Master's degree in chemistry, physics or environmental chemistry (University/University of Applied Sciences)
- Excellent technical skills and experience in gas chromatography for analysis of organic compounds
- Experience in programming for hardware control and data analysis (e.g. using Python)
- Communicative persons that enjoys working in an international environment
- Very good oral and written skills in English and German
- Self-motivated and communicative teamplayer

The position is available immediately and has an initial duration of two year.

For further information about the position please contact Stefan Reimann stefan.reimann@empa.ch and visit our websites <https://www.empa.ch/web/s503/climate-gases> and [Empa-Video](#)

We look forward to receiving your online application including a letter of motivation, CV, credentials with complete scholar transcripts and contact details of two referees. Only complete applications will be considered. Please upload the requested documents through our webpage. Applications via email will not be considered.

Empa, David Heusser, Human Resources, Ueberlandstrasse 129, 8600 Dübendorf, Switzerland.