

Opportunity Title: Analytical Chemistry Lab Support
Opportunity Reference Code: EPA-NSSC-0008-23-4-17-23

Organization U.S. Environmental Protection Agency (EPA)

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How to Apply Click [HERE](#) to Apply

Description The EPA National Student Services Contract has an immediate opening for a full time Analytical Chemistry Lab Support position with the Office of Research and Development at the EPA facility in Cincinnati, Ohio.

The Office of Research and Development at the EPA supports high-quality research to improve the scientific basis for decisions on national environmental issues and help EPA achieve its environmental goals. Research is conducted in a broad range of environmental areas by scientists in EPA laboratories and at universities across the country.

What the EPA project is about

The Center for Environmental Solutions and Emergency Response (CESER) conducts applied stakeholder-driven research and provides responsive technical support to help solve the Nation's environmental challenges. Within CESER, the Land Remediation and Technology Division (LRTD) focuses on issues related to contaminated soils, sediments and related environmental media to better understand the fate and transport of those contaminants in the environment, and to develop new and innovative treatment technologies.

What experience and skills will you gain?

As a team member, you will provide research laboratory support in the analysis of chemicals of environmental concern (CEC), including endocrine disrupting chemicals (EDC), and perfluorinated alkyl substances (PFAS).

Research Laboratory Analytical Chemistry responsibilities will include:

- Operation of Liquid Chromatography\Mass Spectrometry (LC\MS) and Gas Chromatography\Mass Spectrometry (GC\MS) instrumentation;
- Extraction of environmental samples for CEC using Solid Phase Extraction (SPE), Liquid\Liquid extraction (LLE) and Liquid\Solid extraction (LSE) techniques;
- Manage analytical chemistry data using Excel, Access, and a Laboratory Information Management System (LIMS); and
- Assist in the development of new analytical chemistry procedures for CEC, and the validation of existing analytical chemistry procedures.

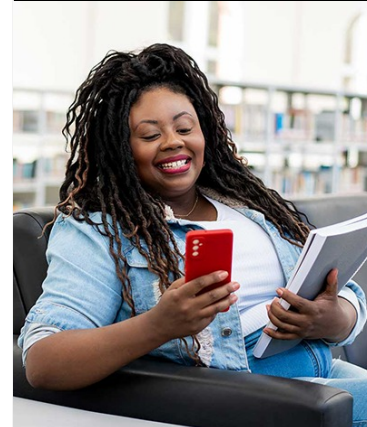
Communications-related responsibilities shall include:

- Participate as a member of a multi-disciplinary research team and
- Interact with other members of the development team as well as EPA scientists.

Required Knowledge, Skills, Work Experience, and Education



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- Demonstrated education and/or experience in quantitative analytical chemistry, including LC\MS, GC\MS, SPE, LLE and LSE instrumentation and techniques and
- Strong written, oral and electronic communication skills using Excel, Word, and PowerPoint.

Desired Knowledge, Skills, Work Experience, and Education

- Experience programming in Python, R or other scripting languages

Location: This job will be located EPA's facility in Cincinnati, Ohio.

Salary: Selected applicant will become a temporary employee of ORAU and will receive an hourly wage of \$23.54 for hours worked.

Hours: Full-time.

Travel: Travel is not required for this position.

Expected start date: The position is full-time and expected to begin May 2023. The selected applicant will become a temporary employee of ORAU working as a contractor to EPA. The contract renews each May through 2025.

For more information, contact EPANSSC@orau.org. Do not contact EPA directly.





Qualifications

- Be at least 18 years of age **and**
- Have earned at least a Bachelor degree in the fields of Chemistry, Biology, Environmental Sciences, or related field of study from an accredited university or college within the last 24 months **and**
- Be a citizen of the United States of America or a Legal Permanent Resident.

EPA ORD employees, their spouses, and children are not eligible to participate in this program.

Eligibility

Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree received within the last 24 month(s).
- **Overall GPA:** 2.00
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Earth and Geosciences** ([1](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Life Health and Medical Sciences** ([46](#) )

Affirmation I certify that I am at least 18 years of age; a recent graduate with at least a Bachelor degree in the fields of Chemistry, Biology, Environmental Sciences, or related field of study from an accredited university or college within the last 24 months; a citizen or a Legal Permanent Resident of the United States of America; and not a current employee of EPA ORD or the

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spouse or child of an EPA ORD employee.

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