

Samuel Shields

Boulder, CO 80305

Sshields32@gmail.com

+1 845 772 1024

Work Experience

Principal Analytical Chemist II

EuroFins Reservoirs-Denver, CO

February 2022 to Present

Manage small team of chemist to delegate workload and analyze samples in high throughput environmental laboratory.

Handle client interactions, requests, needs, and requests on a case by case basis to ensure satisfaction.

Analyze variety of environmental matrices for lead and multi-element content via Flame-AA and ICP-MS.

Analyze surface wipes via GC-MS for methamphetamine contamination.

Analytical Chemist

AgriScience Labs-Denver, CO

September 2021 to February 2022

- Prep, load, and analyze samples in metals department via ICP-MS
- maintain and upkeep instrumentation as needed.
- Assist pesticides and residual solvent departments as needed via GCMS and LCMS

R&D Chemist/Production Chemist

Great Western Inorganics-Arvada, CO

February 2021 to October 2021

- Analyze various compounds created in-house via ICP-OES and titration.
- Conduct R&D for development of compounds per customer requests
- Manufacturing chemical compounds as needed.
- Maintain laboratory inventory system, clean glassware, assist other chemists

Analytical Chemist

EuroFins Scientific-Boulder, CO

April 2015 to January 2020

- Analyze various pharmaceutical/dietary supplements, foods, beverages via HPLC, GC, ICP
- Maintain and upkeep instrumentation as necessary
- Write, edit, and update customer reports, SOPs, and Methods.

Education

B.A in Chemistry

University of Colorado

August 2011 to December 2015

Skills

- GCMS (3 years)
- ICP-MS (8 years)
- HPLC (1 year)
- Research & Development
- Spectroscopy
- QA/QC
- Chromatography
- CGMP
- Gas Chromatography
- Laboratory Experience
- Microsoft Excel
- Microsoft Word
- Microsoft Access
- Team management
- Quality control
- Quality assurance
- Wet chemistry
- Biochemistry
- Communication skills

Certifications and Licenses

CPR Certification

OSHA 30

RCRA230

Hazardous waste handling certificate