

## Professional Profile

Senior Analytical Chemist - independently develop, validate and perform advanced analytical methods and techniques; college laboratory instructor

- Prepare, pre-treat and analyze samples
- Perform laboratory QC procedures
- Meet turnaround time commitments
- Perform method development and validation
- Cross train all levels of laboratory staff
- Prepare all records in a timely, thorough and neat manner
- Take action to correct all QA problems and potential delays
- Maintain HPLC / UPLC instrumentation
- Adhere to safety and health policies
- Plan and execute curriculum for college chemistry lecture
- Manage up to 24 students in laboratory classroom
- Assist with implementation of new lab procedures

## Professional Experience

NSF International, Ann Arbor, MI

April 2004 - Present

### Senior Analytical Chemist

#### Achievements:

- Organized and performed a solo "Lunch and Learn" session as part of NSF C.A.R.E.S program July 2019
  - Completed research project: A validated method for the determination of bergamottin in herbal supplements and varieties of Earl Grey tea
  - Invited Speaker at Pittsburg Conference for Analytical Chemistry (PittCon) 2017 (Chicago, IL)
  - Invited Speaker at PittCon 2015 (New Orleans, LA)
  - Completed research project: An Investigation Into Ion Chromatographic Methods for the Determination of Low-Level Perchlorate in Drinking Water
  - Promotion to Senior Analytical Chemist March 2014
  - Presented two separate talks (one of these as an invited speaker) at PittCon 2013 (Philadelphia, PA)
  - Completed Research Project: Single Method Analysis of Nine Bisphenol Compounds in Aqueous Matrices by Reversed Phase Liquid Chromatography with Fluorescence Detection
  - Presented talk at International Ion Chromatography Symposium (IICS) 2012 (Berlin, Germany)
  - Completed research project: Determination of Hexavalent Chromium in Dietary Supplements by Ion Chromatography with Post Column Derivatization and UV-Vis Spectroscopic Detection
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- Session Chair for Food/Beverage session at IICS 2012
- Scientific program committee member for IICS 2012
- Presented poster at PittCon 2012 (Orlando, FL)
- Completed research project: Analysis and Comparison of Solvent Systems for Evaluating Migration of BPA into Food and Food Simulants Using Reversed-Phase HPLC
- Presented talk at IICS 2011 (Providence, RI)
- Completed research project: Statistical Comparison of EPA Methods 300.1 and 302 for Determination of Disinfection Byproducts
- Session Chair for Food/Beverage session at IICS 2011
- Scientific Program committee member for IICS 2011
- Presented poster at IICS 2010 (Cincinnati, OH)
- Completed research project: Low-Level Bromate Determination in Drinking and Source Waters Using LC/MS/MS
- Promoted to Analytical Chemist November, 2008

Responsibilities:

- Method Development and Validation
- Workload / Instrument / Personnel scheduling
- Operation and maintenance of HPLC / UPLC instrumentation
- Experience with Empower, ChromQuest, and Chromeleon software

Washtenaw Community College, Ann Arbor, MI  
September 2003 - Present

**Part-time Faculty (Instructor)**

Achievements:

- Distinguished Service Award for 15 years of service

Responsibilities:

- Manage Chemistry Laboratory with up to 24 Students
- Instruct college level chemistry lectures
- Grade lab reports / homework / exams in timely manner
- Instruct general science college course

Pfizer, Ann Arbor, MI  
August 2003 – April 2004

**Associate Analytical Chemist – Pharmaceutical Sciences**

Responsibilities:

- Operation and Maintenance of HPLC, GC, ICP-MS, UV-Vis instrumentation
  - Timely completion of GLP/GMP records
  - Method Validation
  - Forced Degradation studies
  - Karl Fisher analysis
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**Education**

Eastern Michigan University, Ypsilanti, MI

**Masters of Science – Chemistry****Cumulative GPA: 3.90**

January 2017 – December 2019

Eastern Michigan University, Ypsilanti, MI

**Bachelor of Science – Double major Professional Chemistry / Physiology**

August 2002

*Table 1 List of Presentations*

DATE	VENUE	TITLE
2010	IICS (Cincinnati, OH)	An investigation into low-level bromate determination in drinking and source waters utilizing LC-MS/MS (poster)
2011	IICS (Providence, RI)	Statistical comparison of EPA methods 300.1 and 302 for determination of low level bromated (talk)
2012	PittCon (Orlando, FL)	Analysis and comparison of solvent systems for evaluating migration of BPA into food and food simulants using reversed phase HPLC (poster)
2012	IICS (Berlin, Germany)	Determination of hexavalent chromium in dietary supplements by ion chromatography with post column derivitization and UV-Vis spectroscopic detection (talk)
2013	PittCon (Philadelphia, PA)	Single method analysis of nine bisphenol compounds in aqueous matrices by reversed phase liquid chromatography with fluorescence detection (talk)
2013	PittCon (Philadelphia, PA)	Analysis and exposure risk of chromium VI in consumer products and the environment
2015	PittCon (New Orleans, LA)	An investigation into ion chromatographic methods for the determination of low-level perchlorate in drinking water
2019	NSF HQ (Ann Arbor, MI)	A validated method for the determination of bergamottin in herbal supplements and varieties of Earl Grey tea