



Melissa Henry

Employment/Experience

Toxicologist, 5/2023 – present **Brazoria County Sheriff's Office Crime Laboratory**

- Analyze samples for the presence of alcohol.
- Review and write reports for the presence of alcohol.
- Technically and administratively review batch data and reports of co-workers.
- Method Development, Validation, and Standard Operating Procedures of toxicology section.
- Train co-workers on method development and validation of ethanol and drug confirmation methods.
- Maintenance and troubleshooting of GC-FID and GC-MS.
- Data processing of ethanol on GC-FID.
- Preparation of reagent stock solutions and standards.
- Perform verification checks and maintaining log on analytical instruments.
- Preparing discovery orders for Attorneys.

Forensic Scientist, 12/2022 – 5/2023 **Houston Forensic Science Center**

- Analyze samples for the presence of drugs.
- Review and write reports for the presence of drugs.
- Technically and administratively review batch data and reports of co-workers.
- Train co-workers on analyzing samples for the presence of drugs.
- Method Development, Validation, and Standard Operating Procedures of drug confirmation methods.
- Maintenance and troubleshooting of EIA, GC-MS and LC-MS.
- Confirmation of drugs and data processing on EIA, GC-MS and LC-MS.
- Preparation of reagent stock solutions and standards.
- Perform verification checks and maintaining log on analytical instruments.
- Preparing discovery orders for Attorneys.

Toxicology Supervisor, 06/2020 – 12/2022 **Houston Forensic Science Center**

- Performs technical and/or administrative review of casework.
- Directs activities of assigned staff members to ensure the accurate and timely processing of submitted evidence.
- Provides supervision to 4 assigned staff members, assigning tasks, monitoring performance, and providing meaningful performance feedback.
- Provides technical guidance and assistance to indirect reports as needed.
- Participates in the hiring process of direct reports
- Provides leadership, coaching and development to direct reports.
- Maintenance and troubleshooting of EIA, GC-MS and LC-MS.
- Confirmation of drugs and data processing on EIA, GC-MS and LC-MS.
- Perform verification checks and maintaining log on analytical instruments.

Forensic Analyst, 06/2016 – 6/2020
Houston Forensic Science Center

- Analyze samples for the presence of drugs.
- Review and write reports for the presence of drugs.
- Technically and administratively review batch data and reports of co-workers.
- Train co-workers on analyzing samples for the presence of drugs.
- Method Development, Validation, and Standard Operating Procedures of drug confirmation methods.
- Maintenance and troubleshooting of EIA, GC-MS and LC-MS.
- Confirmation of drugs and data processing on EIA, GC-MS and LC-MS.
- Preparation of reagent stock solutions and standards.
- Perform verification checks and maintaining log on analytical instruments.
- Preparing discovery orders for Attorneys.

Forensic Chemist, 12/2008- 2/2016
Office of the Chief Medical Examiner

- Perform initial and confirmatory analysis on bodily fluids
- Preparation of blood standards, controls and reagents
- Operate, maintain, and troubleshoot instruments (GC/MS, LC/MS)
- Research and Development
- Maintain SOP's
- Operate and maintain Tecan Freedom EVO
- Trainer for GC/MS and ELISA
- QC for ELISA and GC/MS assay

Non-Registered Medical Technologist, 06/2001-11/2008
St. Anthony Toxicology Laboratory

- Perform initial and confirmatory analysis on urine
- Operate, maintain, and troubleshoot (GC/MS and Olympus 640)
- Trainer for GC/MS confirmation and immunoassay screening
- Prepare and validate reagents, controls, and calibrators
- Research and Development
- Maintain SOP's
- QA/QC

Education

8/1993 – 5/1995 8/1999 – 5/2001
University of Central Oklahoma Edmond, OK

B.S. Chemistry/Forensic Science
Graduated with honors

6/1995 – 7/1999
University of Oklahoma Norman, OK

B.S. Health and Sport Sciences
Graduated with honors

Continuing Education/Training

- **Introduction to Pharmacology Workshop** – HFSC (Dr. Dayong Lee, Dr. Sara Dempsey and James Miller) January 19, 2022
- **Robert Borckenstein Course: Effects of Drugs on Human Performance and Behavior-** October 9-13, 2017
- **Testimony Workshop, HFSC-** December 7-8, 2016
- **Fire Prevention and Pre-Fire Planning, HFSC-**October 19, 2016
- **Introduction to LC-MS/MS Operation Series-SCIEX X500R QTOF System, HFSC-**September 20, 2016
- **Introduction to Root Cause Analysis, HFSC-**June 13, 2016.
- **Southwest Association of Toxicologists Meetings:**
 - New Orleans, LA June 2015
 - Sugarland, TX May 2014
 - Las Vegas, NV September 2013
- **Society of Forensic Toxicology Annual Meetings:**
 - Virtual September 2020
 - San Antonio, Tx October 2019
 - San Francisco, CA September 2011
 - Oklahoma City, OK October 2009
 - Raleigh-Durham, NC October 2007
- **Agilent 7890 GC OpenLab Chemstation Data Analysis and Reporting**
 - 08/25-08/27/2015:** Agilent Technologies Bastrop, TX
 - Course Instructor:** Mario Aparicio
- **Laboratory Aspects of Forensic Urine Drug Testing**
 - 05/11/2002:** Forensic GC/MS Workshop
 - Course Instructor:** Philip M. Kemp, Ph.D., DABFT
- **Laboratory Aspects of Forensic Urine Drug Testing**
 - 05/04/2002:** Forensic GC/MS Workshop
 - Course Instructor:** John W. Soper, Ph.D., DABFT

Professional Affiliations

- Society of Forensic Toxicologist (SOFT) – 10/19 to present

Certifications/Licenses

- American Board of Forensic Toxicology, Diplomate (#1560) – 2019 to 2024
- Texas Forensic Science Commission, Toxicologist-Interpretative – 2022 to 2024