



<b>NAME:</b>	Brooke Mendenhall	<b>DATE:</b>	11/26/2018
<b>LABORATORY:</b>	Houston Forensic Science Center		
<b>JOB TITLE:</b>	Toxicology Technician		

**Indicate all disciplines in which you do casework:**

<input type="checkbox"/>	Controlled Substances	<input type="checkbox"/>	Forensic Biology/DNA
<input type="checkbox"/>	Crime Scene	<input type="checkbox"/>	Latent Prints
<input type="checkbox"/>	Digital Forensics	<input type="checkbox"/>	Questioned Documents
<input type="checkbox"/>	Firearms	<input type="checkbox"/>	Toxicology
<input type="checkbox"/>	Forensic Audio/Video	<input type="checkbox"/>	Trace Evidence

**List all categories or sub-disciplines in which you do casework:**

N/A
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**Education:**

List all higher education institutions attended (list high school if no college degree has been attained)

Institution	Dates Attended	Major	Type of Degree Earned
San Jacinto Community College – South	08/2010 – 05/2012	N/A	N/A
Sam Houston State University	08/2012 – 05/2016	Forensic Chemistry (Minor: Biology & Criminal Justice)	Bachelor of Science

**Other Training:**

List continuing education, workshops, in service, and other formal training received. Please include the course title, source, and dates of training.

International Association for Property and Evidence – IAPE Training – Humble, TX – June 21-22, 2017
Don't Stop with 'Human Error' – Learn How to Explain your Problems: Hawaii Missile Alert – Case Study and Update – Webinar – Houston, TX – February 9, 2018
Ethics Training – Houston Forensic Science Center – March 5, 2018
The Robert F. Borkenstein Course on Alcohol & Highway Safety: Testing, Research, & Litigation – Course – Bloomington, IN – May 13-18, 2018
Statistical Refresher Workshop – Houston Forensic Science Center – October 5, 2018
Forensic Pharmacology – Webinar – Houston, TX – November 5-7, 2018



**Courtroom Experience:**

List the disciplines/sub-disciplines in which you have testified as an expert witness and indicate over what time period and approximately how many times you have testified in each.

Discipline or Sub-Discipline	Time Period	Times Testified
N/A	N/A	N/A

**Professional Affiliations:**

List any professional organizations of which you are or have been a member. Indicate any office(s) or positions held and the dates of these activities.

Organization	Member Status & Position(s) Held	Dates of Membership
N/A	N/A	N/A

**Employment History:**

List all scientific or technical positions held, particularly those related to forensic science. List current position first. Be sure to indicate employer and give a brief summary of duties. Please list your dates of employment by month and year.

<b>Job Title:</b>	Toxicology Technician	<b>Dates of Employment:</b>	10/2018 - Present
<b>Employer:</b>	Houston Forensic Science Center		
<b>Provide a brief description of duties below:</b>			
Maintain the eDiscovery site and laboratory binders including scanning, organizing, reviewing, uploading, and approving documents to the eDiscovery site and physical/electronic storage locations; assist with laboratory support tasks, such as maintaining glassware, ordering and stocking supplies, escorting vendors, conducting equipment/instrument performance checks, preparing reagents, uncertainty of measurement calculations, and outsourcing; assist with other administrative and laboratory support duties as needed.			

<b>Job Title:</b>	Forensic Analyst - Trainee	<b>Dates of Employment:</b>	01/2018 – 10/2018
<b>Employer:</b>	Houston Forensic Science Center		
<b>Provide a brief description of duties below:</b>			
Training on procedures, practice, interpretation, and theory of the qualitative or quantitative analysis of alcohols; researching products for the purchasing/ordering; preparing and shipping Toxicology evidence to an outsource laboratory. Continuing CS/CM accessioning duties with DWI and TOX kits; screening specimen ID forms; making ALC and T assignments for each case; repackaging evidence all while maintaining proper chain of custody; maintaining reference documents including daily evidence stats; composing and reviewing rejection reports; training new CS/CM employees.			



<b>Job Title:</b>	Client Services & Case Management Specialist I	<b>Dates of Employment:</b>	06/2016 – 01/2018
<b>Employer:</b>	Houston Forensic Science Center		
<b>Provide a brief description of duties below:</b>			
Maintained the case file room and scanning/storage/shipping of case files; performed evidence transfer; assisted in researching/writing CODIS reports and researching DNA mixture/single source cases. Worked closely with the toxicology department, which included duties such as: accessioned DWI and TOX kits, screened specimen ID forms, made ALC and T assignments for each case, repackaged evidence and prepared/shipped evidence to an outsource laboratory; all while ensuring proper chain of custody; maintained reference documents that included daily evidence matrices; composed and administratively reviewed rejection/TOUT reports.			

<b>Job Title:</b>	Student Assistant and Research Assistant	<b>Dates of Employment:</b>	01/2015 – 05/2016
<b>Employer:</b>	Sam Houston State University – Department of Chemistry		
<b>Provide a brief description of duties below:</b>			
Designed protocols for and conducted experiments, conducted experiments; participated in animal studies model, including toxicity studies on mice and pharmacokinetics and organ distribution studies on mice and rats. Trained other student assistants on experiments and use of instruments and hands on experience on HPLC, GC-MS, PAMPA, Spectrophotometry, and Centrifugation; presented research at national conferences.			



**Other Qualifications:**

List below any scientific papers authored or co-authored and/or scientific presentations given, research in which you have been involved, academic or teaching positions you have held, and any other information you consider relevant to your qualification as a forensic scientist.

**Publications/Scientific Presentations:**

**Mendenhall, B.;** Holmes, S.; Ross, R.J.; Lowry, J.; Cress, S.R.; Stephen, E.; Chou, C.E.; Kiss, L.; Thompson, D.E.; Petrikovics, I. Optimization of an Analytical Method to Determine the KCN Antidote (CAX1) in Blood by HPLC. *American Chemical Society, SW Regional Meeting, Nashville, TN., November, 2015.*

Ross, J.; Chou, C.E.; Brown, D.; Dong, X.; Coronado, V.; Mendenhall, B.; Roy, J.R.; Kiss, L.; Thompson, D.E.; Petrikovics, I. Method Development and Optimization for Detection of a Novel Cyanide Antidote in Brain by GC-MS. *American Chemical Society, SW Regional Meeting, Nashville, TN., November, 2015.*

Coronado, V.; Kiss, L.; Ross, J.; Brown, D.; Mendenhall, B.; Lowry, J.; Crews, S.R.; Roy, R.J.; Petrikovics, I. Testing the *in vivo* Efficacy and the Brain Partitioning of a New Cyanide Antidote *American Chemical Society, SW Regional Meeting, Nashville, TN., November, 2015.*

Crews, S.R.\*; Lowry, J.\*; Mendenhall, B.; Kiss, L.; Petrikovics, I. Analysis of a Cyanide Antidote in Blood and its Pharmacokinetic Profile by High Performance Liquid Chromatography. *COS Undergraduate Meeting, UTSA, San Antonio Texas, October, 2015.*

**Mendenhall, B.;** Holmes, S.; Ross, J.; Roy, R.J.; Lowry, J.; Crews, S.R.; Stephens, E.; Chou, C.E.; Kiss, L.; Thompson, D.E.; Petrikovics, I. Analytical Method Development for Measuring a Cyanide Antidote in Blood for Pharmacokinetics Study. *COS Undergraduate Meeting, UTSA, San Antonio Texas, October, 2015.*

Coronado, V.; Kiss, L.; Ross, J.; Mendenhall, B.; Lowry, J.; Petrash, T.; Chou, C.E.; Holmes, S.; De Silva, D.; Petrikovics, I. *In vivo* investigations (efficacy and pharmacokinetics) with a New Cyanide Antidote. *Texas Academy of Science, Junction, TX., March, 2016.*

Chaturanga, H.R.; Mendenhall, B.; Ross, M.; Baca, W.; Petrikovics, I.; Kiss, L. Investigating the Membrane Penetration of a novel Cyanide Antidote (CAX1) in a Blood Brain Barrier model (BBB-PARALLEL ARTIFICIAL MEMBRANE PERMEABILITY ASSAY) *Texas Academy of Science, Junction, TX., March, 2016.*

**Mendenhall, B.;** Kiss, L.; Crews, S.; Lowry, J.; Coronado, V.; Ross, J.; Brown, D.; Petrikovics, I. Absorption Kinetics and Blood Brain Barrier (BBB) Penetration by a Cyanide Antidote (CAX1) on a mice model. *Society of Toxicology Annual Meeting, New Orleans, Louisiana, March, 2016.*

Kiss, L., Chou, Ch-E., Mendenhall, B., A., Crews, S.R., Coronado, V., Lowry, L., Dong, X., Roy, J.R., Kaur, M., Alam, M.N., Hossain M.S., Thompson, D.E., Petrikovics, I. Analytical method developments for the cyanide antidote CAX1 for solubility, pharmacokinetics and blood brain-barrier penetration characterization. 54<sup>th</sup> SOT Annual Meeting, New Orleans, March, 2016.



**Mendenhall, B.;** Holmes, S.; Ross, J.; Roy, R.J.; Lowry, J.; Crews S.R.; Stephens, E.; Chou, C.E.; Kiss, L.; Thompson, D.E.; Petrikovics, Analytical Method Development to Determine the Cyanide Antidote (SDX) in Blood. SHSU Woodlands Research Conference, Woodlands, April, **2016**.