



<b>NAME:</b>	Cassandra Clyde	<b>DATE:</b>	2/9/2021
<b>LABORATORY:</b>	Houston Forensic Science Center		
<b>JOB TITLE:</b>	Forensic Analyst II - Toxicology		

Indicate all disciplines in which you do casework:

<input type="checkbox"/>	Seized Drugs	<input type="checkbox"/>	Forensic Biology/DNA
<input type="checkbox"/>	Crime Scene	<input type="checkbox"/>	Latent Prints
<input type="checkbox"/>	Digital Forensics	<input type="checkbox"/>	Toxicology
<input type="checkbox"/>	Firearms	<input type="checkbox"/>	Forensic Audio/Video

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

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Texas Forensic Science Commission (TFSC) Licensing

Per TFSC section 651.203, starting January 1, 2019, the following disciplines are subject to licensing: Seized Drugs, Toxicology, Forensic Biology & Firearms/Toolmarks. If applicable, select the type of license issued by TFSC (Select N/A if not applicable):

<b>Type of License:</b>	Toxicologist (Interpretative)
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Certifications:

Organization	Discipline	Type/Level (N/A if not applicable)

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
The George Washington University	September 2013 - May 2015	Forensic Sciences	Master Degree
Mercyhurst University	September 2009 - May 2013	Applied Forensic Sciences	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.

<p>Training Courses:</p> <ul style="list-style-type: none"> <li>2020 TIAFT Educational Symposium (Days 1, 2 and 3) - Archival, CFSRE, December 21-22, 2020</li> <li>FSC Mandatory Legal and Professional Responsibility Course, TFSC, October 29, 2020</li> </ul>
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- 2020 SOFTember Virtual Scientific Sessions, SOFT, September 9-30, 2020
- 2020 Online Symposium: Current Trends in Forensic Toxicology (Day 3, 4 and 5), CFSRE, June 10-12, 2020
- Leading Innovative Change, Cuyahoga County HR OED and Training, March 20, 2019
- Mass Spectral Interpretation, FSIO, July 28, 2016
- Expert Testimony Training for the Prosecutor and Scientist I and II, ForensicED, May 3, 2016
- ICS for Single Resources and Initial Action Incident (IS-00200.b), FEMA, December 3, 2015
- Introduction to Incident Command System (IS-00100.b), FEMA, December 3, 2015
- Law 101: Legal Guide for the Forensic Expert, NIJ, November 17, 2015
- National Incident Management System (NIMS) An Introduction (IS-00700.a), FEMA, November 2, 2015
- To Hell and Back: The Ethics of Stewardship and the Stewardship of Ethics, ForensicED, October 23, 2015

**Workshops:**

- Ethanol in Forensic Casework: Strategies for Analysis and Interpretation, AAFS Annual Meeting, Baltimore, MD, February 19, 2019
- A Decade Later: The State of Florida Vs. Casey Anthony Revisited — Truth? Justice? Both? Neither?, AAFS Annual Meeting, Baltimore, MD, February 18, 2019
- Advanced Medicolegal Forensic Series, Cuyahoga County Medical Examiner’s Office, June 11-15, 2018
- Forensic Drug Chemistry Seminar, DEA Special Testing and Research Laboratory, Dulles, VA, June 4-9, 2017
- Alcohol and Drugs of Abuse Affecting the Central Nervous System: Pharmacology, Toxicology, and Impairment, SOFT Regional Workshop, Dayton, OH, August 29-30, 2016
- Medicolegal Death Scene Investigation, Cuyahoga County Medical Examiner’s Office, March 7-9, 2016
- Drug Facilitated Sexual Assault (DFSA), SOFT Regional Workshop, Washington, DC, August 11-12, 2014

**Meetings:**

- Midwest Assoc. for Toxicology & Therapeutic Drug Monitoring Meeting, Cleveland, OH, April 4-5, 2019
- American Academy of Forensic Sciences 71st Annual Scientific Meeting, Baltimore, MD, February 18-23, 2019
- Midwest Assoc. for Toxicology & Therapeutic Drug Monitoring Meeting, Indianapolis, IN, April 12-13, 2018
- American Academy of Forensic Sciences 68th Annual Scientific Meeting, Las Vegas, NV, February 22-27, 2016
- American Academy of Forensic Sciences 65th Annual Scientific Meeting, Washington, DC, February 18-23, 2013

**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
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Human Performance Toxicology	October 2015 - October 2020	1

**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
American Academy of Forensic Sciences	Toxicology Associate Member	2018-Present
	Toxicology Trainee Affiliate	2016-2018
	Toxicology Student Affiliate	2013-2016
Society of Forensic Toxicologists	Associate Member	2016-Present
	Student Member	2014-2016
Midwest Association for Toxicology & Therapeutic Drug Monitoring	Member	2016-Present

**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>	Forensic Analyst II - Toxicology	<b>Dates of Employment:</b>	October 2020 - Present
<b>Employer:</b>	Houston Forensic Science Center, Houston, TX		
<b>Provide a brief description of duties below:</b>			
Training on ELISA and LC-MS/MS analyses, assisting with ELISA and LC-MS/MS method validation and reviewing discovery orders			

<b>Job Title:</b>	Forensic Scientist 2 - Toxicology	<b>Dates of Employment:</b>	June 2018 - October 2020
<b>Employer:</b>	Cuyahoga County Medical Examiner's Office, Cleveland, OH		
<b>Provide a brief description of duties below:</b>			
Performed various analyses on forensic samples using GC-MS and LC-MS/MS, reviewed data assembled by fellow analysts, reviewed final toxicology lab reports, supported the QA/QC manager, coordinated supply orders for the laboratory, conducted research and aided in the development of new laboratory methods, including a Orbitrap LC-MS/MS method			

<b>Job Title:</b>	Forensic Scientist 1 - Toxicology	<b>Dates of Employment:</b>	October 2015 - June 2018
<b>Employer:</b>	Cuyahoga County Medical Examiner's Office, Cleveland, OH		
<b>Provide a brief description of duties below:</b>			



Performed volatiles assay by HSGC-FID, alkaline drug screen and confirmation in blood samples by GC-MS, cocaine and metabolites confirmation in blood and urine samples by GC-MS, and ELISA 15-panel drug screen

<b>Job Title:</b>	Forensic Toxicologist	<b>Dates of Employment:</b>	February 2015 – September 2015
<b>Employer:</b>	Office of the Chief Medical Examiner, Washington, DC		
<b>Provide a brief description of duties below:</b>			
Facilitated the method development and validation of a DC Department of Transportation (DDOT) grant-funded LC-MS/MS project, performed ELISA drug screen and volatiles assay by HSGC-FID, and accessioned samples			

<b>Job Title:</b>		<b>Dates of Employment:</b>	
<b>Employer:</b>			
<b>Provide a brief description of duties below:</b>			

**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.

<p>Publications:</p> <ul style="list-style-type: none"> <li>• C. Clyde, S. Blake, S. O’Brien, I. Igwilo, and I.S. Lurie, “Application of Mixed-Mode Ultra High-Performance Liquid Chromatography to Forensic Drug Analysis” Analytical Methods, 2015, 7, 9763-9772</li> <li>• S. Sofalvi, E.S. Lavins, I.T. Brooker, C.K. Kaspar, J. Kucmanic, C.D. Mazzola, C.L. Mitchell-Mata, C.L. Clyde, R.N. Rico, L.G. Apollonio, C. Goggin, B. Marshall, D. Moore and T.P. Gilson, “Unique Structural/Stereo-Isomer and Isobar Analysis of Novel Fentanyl Analogues in Postmortem and DUID Whole Blood by UHPLC–MS-MS” Journal of Analytical Toxicology, 2019, 1-15, Special Issue</li> </ul> <p>Presentations:</p> <ul style="list-style-type: none"> <li>• C. Clyde. “Fentanyl Epidemic in Northeast Ohio; LC-MS/MS Method Development and 2016-2017 Statistics from Postmortem and Impaired Driving Cases.” Midwest Association for Toxicology &amp; Therapeutic Drug Monitoring Meeting, April 12-13, 2018, Hyatt Regency Indianapolis, IN.</li> </ul> <p>Awards:</p> <ul style="list-style-type: none"> <li>• 2018 Sunshine-Wong Travel Award, Midwest Association for Toxicology &amp; Therapeutic Drug Monitoring</li> <li>• 2013 Senior Student of the Year, Mercyhurst University Applied Forensic Sciences Department</li> </ul> <p>Internships:</p> <ul style="list-style-type: none"> <li>• Forensic Toxicology Lab Intern, Pretrial Services Agency, Washington, DC, September 2014- November 2014</li> </ul>
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- Forensic Toxicology Lab Intern, Office of the Chief Medical Examiner, Washington, DC, June 2014-August 2014
- Forensic Pathology/Medicolegal Death Investigation Intern, Mahoning County Coroner's Office, Youngstown, OH, May 2012-August 2012

Permits:

- Ohio Department of Health Alcohol and Drug Testing, Laboratory Technician Permit Number 4290-LT, Permit Expires October 21, 2021