



Houston Forensic Science Center

INTEROFFICE MEMO

To: Dana R. Mike, B.S., Forensic Scientist – Toxicology

From: Erin Cosme, M.S., D-ABFT-FT, Lead Forensic Scientist – Toxicology

cc: Corissa Rodgers, M.S., D-ABFT-FT – Supervisor, Toxicology
Quality Division

Date: August 19, 2024

Re: Authorization of Amphetamines Confirmation by LC-MS/MS

This memo authorizes Ms. Mike to perform amphetamine drug confirmation analyses and write case reports in the Toxicology section using the following method using liquid chromatography-tandem mass spectrometry (LC-MS/MS):

- Amphetamines confirmation by LC-MS/MS [AMP]

This is based upon her successful completion of

1. Required readings on 4/2/2024;
2. Written responses to the study questions in Training Manual v4.0, section 13, regarding Amphetamines confirmation by LC-MS/MS on 7/25/2024;
3. Laboratory exercises AMP_20240403B_DM, AMP_20240416B_DM, AMP_20240529_DM;
4. Analysis of a practical competency test in AMP_20240806B_DM;
5. Practice testimony question and answer session on 8/8/2024; and
6. Written competency test on 8/15/2024.

The reports from the competency test were drafted in HFSC's Laboratory Information Management System (LIMS) site. All reported results were acceptable as compared to fortified target concentrations.

Ms. Mike is authorized to use the equipment associated with the amphetamines (AMP) method. She is also authorized to use other equipment for the purposes of training and toxicology casework. This equipment includes, but is not limited to: Agilent GC-FID, Tecan Evo, Agilent GC-MS, Agilent LC-MS/MS, extraction equipment, Turbo-VAP, balances, vial crimpers, heat blocks, pipettes, pH meter, Millipore Water System, and refrigerated storage units. Additionally, she is authorized to use LIMS for tasks such as case research, evidence transfers, report generation, and case review.

Ms. Mike is authorized to provide opinions and interpretations pertaining to LC-MS/MS amphetamine drug confirmation analyses.

Table 1. List of Competency Cases

FCN	ACN	Specimen	Type	LIMS	Task
TOX24-TEST16	TOX24-TEST16	Blood	Internal	Production	Report writing
TOX24-TEST17	TOX24-TEST17	Blood	Internal	Production	Report writing
TOX24-TEST18	TOX24-TEST18	Blood	Internal	Production	Report writing
TOX24-TEST19	TOX24-TEST19	Blood	Internal	Production	Report writing
TOX24-TEST21	TOX24-TEST21	Blood	Internal	Production	Report writing