

CURRICULUM VITAE

AMANDA BOLDUC, MFS

DBA: *Forensic Chemist II, Alcohol Program*
Vermont Forensic Laboratory
Department of Public Safety
Division of Criminal Justice Services
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UNDERGRADUATE EDUCATION

Degree	Bachelor of Arts
Major	Biology
Minor	Chemistry
College	University of Vermont – Burlington, Vermont
Year	2002

POST GRADUATE EDUCATION

Master of Forensic Science	National University – San Diego, CA 2004
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PROFESSIONAL EXPERIENCE

Employment History

3/1/2012 to Present	State of Vermont Department of Public Safety Forensic Laboratory Alcohol Program
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Forensic Chemist II

Chemist for the Alcohol Program. Responsible for qualitative and quantitative confirmation testing for alcohol in blood. Calibration, certification, installation, maintenance and repair of evidential breath alcohol analysis instruments. Review of documentation and reports generated by breath testing instruments. Instruction of police officers in the proper use as operators and supervisors using breath testing instruments. Critical review and assessment of current literature and studies on alcohol physiology, pharmacology and testing. Providing expert witness testimony regarding alcohol physiology, pharmacology and testing, including policies and procedures.

12/2010 to 2/29/2012

**State of Vermont
Agency of Human Services
Department of Health Laboratory
Alcohol and Toxicology Program**

Analytical Chemist III

Chemist for the Organic Chemistry Program. Lead analyst for the alcohol group. Responsible for performing validation of the blood testing instrument. Performing confirmation testing for alcohol in blood. Conducting performance review of breath alcohol testing instruments. Lead analyst responsible for the testing and implementation of the DataMaster DMT evidentiary breath alcohol analysis instrument. Calibration, certification, installation, maintenance and repair of evidentiary breath alcohol testing instruments. Instruction of police officers in the proper use of evidentiary breath alcohol testing instruments. Critically review and assess current literature and studies on alcohol pharmacology, physiology and testing. Providing expert witness testimony regarding alcohol physiology, pharmacology and testing.

5/2006 to 12/2010

**State of Vermont
Agency of Human Services
Department of Health Laboratory
Alcohol and Toxicology Program**

Analytical Chemist II

Chemist for the Alcohol and Toxicology Program. Performing screening and confirmation analyses for drugs in urine. Performing confirmation testing for alcohol in blood. Performing analysis of capillary and venous blood samples for the presence of lead. Conducting performance review of breath alcohol testing instruments. Lead analyst responsible for the testing and implementation of the DataMaster DMT evidentiary breath alcohol analysis instrument. Calibration, certification, installation, maintenance and repair of evidentiary breath alcohol testing instruments. Instruction of police officers in the proper use of evidentiary breath alcohol testing instruments. Critically review and assess current literature and studies on alcohol pharmacology, physiology and testing. Providing expert witness testimony regarding alcohol physiology, pharmacology and testing.

5/2005 to 5/2006

**State of Vermont
Agency of Human Services
Department of Health Laboratory
Alcohol and Toxicology Program**

PH Laboratory Technician: Chemical Terrorism Preparedness Program

Technician for the Chemical Terrorism and Toxicology Programs. Performed screening for drugs in urine. Tested water for microcystin. Conducted a performance review of breath alcohol testing instruments. Accessioned and distributed samples for analyses.

PROFESSIONAL TRAINING

Vermont DataMaster Operator Course - 10/2005
Vermont DataMaster Supervisor Course - 05/2006

March 2012

Indiana University Center for Studies of Law in Action: Borkenstein Course on Alcohol and Highway Safety: Testing, Research, and Litigation	- 12/2006
National Patent Analytical Systems, Inc.: DataMaster DMT Training	- 01/2008
Cedar Crest College Forensic Science Training Institute Forensic Mass Spectroscopy	- 06/2009

PROFESSIONAL MEMBERSHIPS

International Association of Chemical Testing	member since 2007
New England Association of Forensic Scientists	member since 2007