

## **W. MARK FONDREN, D-ABFT-FA**

Michigan State Police  
Breath Alcohol Technical Leader  
7320 N. Canal Road  
Lansing, MI 48913  
517-636-5450  
[FondrenM@Michigan.gov](mailto:FondrenM@Michigan.gov)

### **Summary of Qualifications**

Strong knowledge of Laboratory Accreditation, and proven ability to manage both a forensic calibration and testing laboratory to ISO 17025 standards. Supervise employees in a multi-disciplined testing and calibration lab, maintain accurate and detailed records, prepare and update budgets, write grants, and keep both programs and the laboratory on budget. An excellent public speaker, and proficient with standard computer hardware and software. Works well with a group of people, but able to work independently without direct supervision and complete tasks on time.

### **Education**

BS., Baylor University, Waco, Texas. 1986.  
MS., Baylor University, Waco, Texas. 1987  
Post-Graduate Research, The Ohio State University, Columbus, Ohio. 1988 - 1989.  
Diplomate: American Board of Forensic Toxicology; 2006.  
Certified Technical Assessor, ASCLD-LABS; (ISO 17025:2005) 2012.

### **Professional Experience**

**Jan-2019-Current. Technical Leader: Breath Alcohol Testing Program – Michigan State Police.** Responsibilities include Statewide oversight and management of the Breath Alcohol Testing Program. Reviewing, developing, and implementing new training curriculum as needed, reviewing and evaluating new instrumentation as needed, and developing a strong Quality Control program across the State.

**Jan 2017-Jan 2019. Forensic Laboratory Director / Quality Manager – State of Maine.** Responsibilities include oversight and management for all aspects of the Forensic Chemistry Laboratory across the State of Maine. Supervise-hire-discipline all employees, prepare budget, represent the laboratory on various committees in State government, write all laboratory manuals and maintain laboratory accreditation. The Forensic Chemistry Laboratory is accredited by ASCLD/LABS (ANAB) in the following disciplines: blood alcohol, urine toxicology, and solid dose drugs – (qualitative).

**April 1995-Jan 2017. Senior Forensic Chemist-Tarrant County Medical Examiner.** Responsibilities included daily management of the breath alcohol testing program; serving as a Technical Supervisor for 20 testing sites and 250 law enforcement officers. Duties included repair and maintenance of equipment and frequent court testimony related to breath and blood alcohol, and impairment. Responsibilities also included oversight of the breath alcohol Calibration Laboratory according to ASCLD-LAB's 17025 Calibration Accreditation. During my tenure at TCME, I successfully became an ISO 17025 Calibration lab, writing all manuals, protocols, and training manuals. I also transitioned the breath test program through 3 Instrument changes (Intoxilyzer 5000-66 to 5000-68 to 5000EN to 9000). I implemented digital records of all subject tests, calibrations, monthly inspections of all instruments, operator records, and implemented electronic filing of subpoenas. This alone reduced the time to gather and file records from hours, to simply minutes.

**2004-Jan 2017. Professor, Concordia University Fort Worth, Texas.** Teach Introductory Biology to adult students in the Adult Education Program. This unique program is specifically designed, and targets adults who wish to complete their Associate or bachelor's degree.

**1997-2014. Adjunct Faculty, Tarrant County College Police Academy.** Teaching responsibilities centered on breath alcohol testing and other DWI related enforcement as per Texas Law. During my years of teaching, I estimate I conducted initial training / certification for 1500 breath test operators.

**June 1993-April 1995. Sales Engineer-The Perkin Elmer Corporation**. Responsibilities included sales of analytical instrumentation in the following product lines: atomic spectroscopy, inductively coupled plasma, gas chromatography, liquid chromatography, mass spectroscopy, and infrared spectroscopy. Territory included: Northern Texas, Oklahoma, and Arkansas. Additional responsibilities included training new users in the proper use of their instrumentation and solving instrument related customer problems.

**May 1989-June 1993. Senior Chemist, City of Waco, Texas**. Responsibilities included monitoring water quality via atomic absorption, gas chromatography, and light microscopy, preparing results and reports as required for the State of Texas and Environmental Protection Agency, managing the daily operations of the laboratory, preparing yearly budgets, and supervising all laboratory technicians.

### **Publications and Presentations**

More than a dozen publications in peer reviewed journals, and more than forty invited seminars across the United States.

### **Professional Organizations**

SWGTOX - Scientific Working Group for Toxicology

Breath Alcohol Task Group of the Toxicology Subcommittee–Organization of Scientific Area Committee (OSAC)

ABFT-Executive Board - Examination Chairman

Southwestern Association of Forensic Toxicologist

Former President of Alcohol Testing Alliance

### **Special Achievements**

1984-1986. Participation in the Student Shuttle Involvement Program of NASA. This work culminated in several experiments flying aboard flight 61-C of the Space Shuttle Columbia in January 1986.