

Scott A Milroy, BS | Senior Forensic Scientist

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Professional Summary:

During his 35-year career as a Forensic Scientist, Scott has been court qualified in several District Courts and Federal Court in Southwest Alabama as an expert in the areas of fire debris analysis, crime scene, paint analysis, glass analysis, impression evidence, lamp filament examination: fracture matching, firearm examination and tool mark examination. He most recently was court qualified as an expert in South Carolina's Richland County Judicial Court.

Scott retired from the Alabama Department of Forensic Sciences as the Mobile Regional Laboratory Director. During his tenure as the Laboratory Director, his laboratory was ASCLAD/LAB accredited in 2003 and 2008. In 2013, the Mobile Laboratory was again accredited by ASCLAD/LAB as well as achieving ISO/IEC 17025 accreditation. His responsibilities included the day-to-day operation and assuring quality processes and upholding the fair, objective application of science in disciplines of Forensic Biology, Firearm & Tool Mark Examinations, Medical Examiner, Death Investigation and Forensic Drug Chemistry. Scott was employed with the Alabama Department of Forensic Sciences from May 5, 1988, to January 1, 2014.

As a bench scientist, Scott's forensic career started as a Trace Evidence Examiner. He was trained and certified on July 1, 1990, by the Alabama Department of Forensic Sciences to conduct independent examinations on evidence in the area of Fire Debris Analysis, Impression Evidence, Lamp Filament Examination, Paint Analysis, Glass Analysis, Crime Scene and Fracture Matching. During his tenure as a Trace Evidence Examiner, his primary case work was Fire Debris Analysis making up 80% of his case load.

Scott was queried to transfer from the Trace Evidence Discipline to the Firearm & Tool Mark Discipline due to consolidation within the department. He was trained and certified on December 22, 1997, by the Alabama Department of Forensic Sciences to conduct independent examinations of Firearm & Tool Mark evidence.

He is a retired sworn state police officer. He attended and successfully completed the Southwest Alabama Police Academy Peace Officers Standards and Training on November 22, 1988.

For last eight years, Scott has operated the EFI Global Fire Debris Laboratory. He has handled and analyzed over 16,000 fire debris samples.

Area of Expertise:

- Fire Debris Analysis

Licenses and Certifications:

Certified Trace Evidence Examiner- Alabama Department of Forensic Sciences
Certified Firearm & Tool Mark Examiner – Alabama Department of Forensic Sciences
Firearms Instructor – Federal Bureau of Investigation

Project Experience:

Alabama Department of Forensic Sciences, Mobile, Alabama Flooring Adhesives

Analyzed several regionally used brands of flooring adhesives for the presence of ignitable liquid residues

Alabama Department of Forensic Sciences, Mobile, Alabama Control Burn for Fire Investigators

As part of a training project for local fire investigators, I used three common ignitable liquids: gasoline, charcoal lighter fluid and kerosene on different common matrixes found in most homes. Analyzed for ignitable liquid residues and pyrolysis products.

Court Qualifications/ Depositions:

Litigation CV available upon request.

Professional Experience:

EFI Global, Inc., Senior Forensic Scientist/Laboratory Supervisor, 2015 - Present

Baldwin County Sheriff's Office, Crime Scene Analyst, 2014 – 2015

Alabama Department of Forensic Sciences, Regional Laboratory Director, 2005 – 2014 (Retired)

Alabama Department of Forensic Sciences, Assistant Regional Laboratory Director, 2003– 2005

Alabama Department of Forensic Sciences, Firearm & Tool Mark Section Chief / Senior Forensic Scientist, 2001 – 2008

Alabama Department of Forensic Sciences, Firearm & Tool Mark Examiner / Forensic Scientist, 1995 – 2001

Alabama Department of Forensic Sciences, Trace Evidence Examiner / Forensic Scientist, 1988 – 1995

Specialized Education:

Advance Fire Debris Analysis, University of Central Florida & National Center of Forensic Science, 2018

ASTM International E30 2017 Meeting, Forensic Sciences., 2017

Subrogation and Spoliation; Natural Gas Transmission Line Rupture and Fire Spread Analysis;

Ethical Practices and Negative Corpus; Insurance Fraud Law; Meth Labs and Hazards; Evidence

Collection; Scientific Method, Inductive and Deductive Reasoning, Alabama Association of Arson

Investigators and Fire Marshal's Association of Alabama Training Seminar, 2015

Live Burn Training & Education– Unified Investigations & Sciences, 2015

Forensic Investigations Orientation & Training, Unified Investigations & Sciences, 2015

Basic Fire Debris Analysis, University of Central Florida & National Center for Forensic Science, 2015

Introduction to Practical Investigation of Fire Cause & Origin, Public Agency Training Council, 1994

Laboratory Examinations in Arson Matters School, FBI, Quantico, 1991

HP UX/MS Training Course, Hewlett Packard Analytical Group, 1991

Fire/Arson School, Alabama Association of Arson Investigators, 1990

Chromatographic Methods in Forensic Science School, FBI, Quantico, 1990

Arson Accelerant Detection Course, Bureau of ATF&E, 1989

Crime Scene Processing Workshop, Institute of Police Technology and Management, 2014
Firearms Re-Trainer, FBI, 2014
Basic Crime Scene Investigation, FBI, Stapleton, 2014

Education:

Bachelor of Science, Forensic Science, Minor Chemistry, University of Central Florida, Orlando, Florida, 1986

Affiliations:

American Society for Testing and Materials, ASTM International, Committee E30 on Forensic Science
Alabama State Association of Forensic Sciences (retired)

Courses Instructed/ Guest Lecturer:

Homicide Scene Investigation
Footwear Impression Evidence
Fire Debris Analysis
Basic Crime Scene Investigation
Basic Firearms Identification
Physical Evidence

Publications and Presentations:

Milroy, Scott & Small, James. "Flooring Adhesives." Southern Association of Forensic Scientist. May 1993

Honors and Awards:

C.J. Rehling Meritorious Service Certificate, Alabama Department of Forensic Sciences, 1993, 1995, 2010
Herman D. Jones Award – Region IV Outstanding Employee, Alabama Department of Forensic Sciences, 1995
2011 Regional Laboratory of the Year, Region IV – Mobile Laboratory, Alabama Department of Forensic Sciences