

Matthew E. Malhiot

2011 WL 1043022(Expert Resume)

Area of Expertise: Forensics >> Forensic Toxicologist

Area of Expertise: Law Enforcement & Private Security >> Investigator-Government Agency

Forensic Alcohol Consulting and Training LLC

Suite 114-275,

110 Prominence Point Parkway,

Canton, GA 30114

Phone: 678-880-3171

Fax: 678-880-3181

E-Mail: mmalhiot@forensicalcohol.com

Webpage: www.forensicalcoholconsulting.com

EDUCATION:

Park University (Parkville, Missouri) :

Bachelor of Science (Criminal Justice Administration)

Indiana University:

Center for Studies of Law in Action, The R. F. Borkenstein Course on Alcohol, Drugs and Highway Safety: Testing, Research and Litigation

Center for Studies of Law in Action, Symposium on Blood and Breath Alcohol Test Program Management and Administration

Southern Association of Forensic Scientists:

Forensic Ethanol Analysis and Interpretation Presented by The Forensic Toxicologist Certification Board, Inc.

Florida Department of Law Enforcement Department Inspector Training Program:

Chemical and Physical Properties of Alcohol and Related Volatiles

Pharmacology and Toxicology of Ethyl Alcohol

Pharmacokinetics of Ethanol

Pharmacodynamics of Ethanol

Analysis of Biological Specimens

METHODS OF ALCOHOL ANALYSIS

Chemical Oxidation

Gas Chromatography

Infrared Breath Alcohol Analysis

Electro-Chemical Breath Alcohol Analysis

Statistical Treatment of Data

Quality Control Procedures

Breath Alcohol Analysis, Theory and Operation History

Intoxilyzer 5000 and 8000 Theory, Operation, Maintenance and Repair

Performing the Department Inspection

Forensic and Legal Aspects of Alcohol Analysis

CMI INC FACTORY TRAINING AND CERTIFICATION:

Intoxilyzer 5000 Factory Maintenance Training Course, Breath Alcohol Analysis Instrument Operation & Maintenance

Intoxilyzer 8000 Factory Maintenance Training Course, Breath Alcohol Analysis Instrument Operation & Maintenance

Intoxilyzer 8000 Breath Alcohol Analysis Instrument Advanced Repair, Maintenance & Calibration

Intoxilyzer 8000 Breath Alcohol Analysis Instrument Operation, Maintenance & Calibration

Intoxilyzer 5000 Factory Instrument Operations and Instructor

Intoxilyzer 8000 Factory Instrument Operations and Instructor

Intoxilyzer 8000 Theory and Application

Intoxilyzer 8000 Advanced Electronics

Intoxilyzer 400 Operations, Maintenance and Calibration

SD2 Accuracy Verification, Calibration Adjust, Field Checks, Maintenance & Repair

SD5 Operation, Maintenance and Calibration

Intoxilyzer 5000EN Interferent Calculations and Alcohol Concentrations

GUTH LABORATORY FACTORY TRAINING AND CERTIFICATIONS:

Basic Operation, Technical Aspects and Maintenance for the Guth Model 34C Simulator

Basic Operation, Technical Aspects and Maintenance for the Guth Model 2100 Simulator

Basic Operation, Technical Aspects and Maintenance for the Guth Model 590 Simulator

AREAS OF EXPERT TESTIMONY PROVIDED:

Alcohol and the Human Body, Forensic Alcohol Toxicology

Pharmacokinetics of Ethanol Pharmacodynamics of Ethanol

Intoxilyzer 5000 (64, 66, 68 & EN) Intoxilyzer 8000

Standardized Field Sobriety Testing Medial Legal Blood Conversion

Hand-held Breath Test Instruments (PBT) Horizontal Gaze Nystagmus (HGN)

Retrograde Extrapolation Widmark Calculations

State Administrative Rules for Alcohol Analysis Breath Testing Training Curricula

Frye & Daubert Standard in Breath Testing National Safety Council Standards

Methods of Alcohol Analysis Infrared Breath Alcohol Analysis

Electro-Chemical Breath Alcohol Analysis Quality Control Procedures

Forensic and Legal Aspects of Breath Alcohol Analysis

Breath Alcohol Analysis, Theory and Operation

Pharmacology and Toxicology of Ethyl Alcohol

MONTANA STATE DEPARTMENT OF JUSTICE, FORENSIC SCIENCE DIVISION:

Breath Test Specialist Certification, Intoxilyzer 5000

Breath Test Senior Operator Certification, Intoxilyzer 5000

Breath Test Technician Certification, Intoxilyzer 5000

Re-certification completed as required through 2001

FLORIDA DEPARTMENT OF LAW ENFORCEMENT (PROFESSIONAL PROGRAMS) :

Breath Test Operator, Intoxilyzer 5000 & Intoxilyzer 8000

Agency Inspector, Intoxilyzer 5000 & Intoxilyzer 8000

Department Inspector, Intoxilyzer 5000 & Intoxilyzer 8000

Instructor Techniques

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION TRAINING (NHTSA) :

DUI Detection and Standardized Field Sobriety Testing (S.F.S.T.)

Drugs that Impair Driving

DUI Detection and Standardized Field Sobriety Testing, Instructor/Trainer

NHTSA Instructor / Facilitator Workshop

NHTSA DUI S.F.S.T. Instructor Update(s)

POLICE OFFICERS STANDARDS OF TRAINING (POST) TRAINING:

DUI Mobile Video Train the Trainer (Instructor Course)

Law Enforcement Search and Seizure Workshop

Drug Awareness

US AIR FORCE TRAINING:

USAF Police Academy

OTHER AGENCY TRAINING:

Traffic Safety Responsible Alcohol and Tobacco Sales Training Instructor

Cascade County, Montana, Reserve Deputy Training Program

Recommended Standards for Breath-test Supervisors / Administrators

University of Wisconsin Law School, Resource Center on Impaired Driving, Breath and Blood Testing in Wisconsin

Wisconsin State Laboratory of Hygiene, Blood/Breath and Beyond Indiana State Department of Toxicology, Breath Test vs. Blood Testing

University of Wisconsin, Physiology Department, Ethanol: Mechanisms, Dose and Effect Gaseous Ethanol Standards for Calibration of Breath Analyzers

New Hampshire State Police Forensic Laboratory, Intoxilyzer 5000EN – Optical Bench Texas Department of Public Safety, How the Intoxilyzer 5000EN Determines Alcohol Concentrations

Colorado Department of Public Health, Unstable Reference and other Misc. Noise Problems (Intoxilyzer 5000EN)

Hawaii Department of Health, Infra-red Spectroscopy: How it relates to the Intoxilyzer 5000

Medical College of Ohio, Dr Robert Forney Jr. Toxicology of Alcohol

Pacific University College of Optometry, Principles of Eye Test for Intoxication.

Realities and Myths of Eye Movements and Intoxication

New Hampshire State Police Forensic Laboratory, Intoxilyzer 5000EN Calibration

SYMPOSIUMS AND CONFERENCES:

Symposium on Alcohol & Drug Enforcement, 2002, 2003, 2004, 2005, 2006, 2007, 2010

Florida Breath Test Conference 2002, 2003, 2004, 2005, 2006, 2007, 2009

Intoxilyzer User's Group 2002, 2003, 2004, 2006, 2007

International Association for Chemical Testing May 2003, Apr 2005

PERMITS HELD:

Florida Department of Law Enforcement, Breath Test Operator

Florida Department of Law Enforcement, Agency Inspector

Montana Division of Forensic Science, Breath Test Specialist

Montana Division of Forensic Science, Senior Operator

Montana Division of Forensic Science, Technician

CERTIFICATIONS:

Florida Department of Law Enforcement, Department Inspector

Florida Department of Law Enforcement, Criminal Justice Standards and Training Instructor

CMI, Inc Intoxilyzer 5000 Instructor

CMI, Inc Maintenance and Repair, Intoxilyzer 5000

Guth Laboratories, Simulator Model 2100 & Model 34C Repair and Calibration

CMI, Inc Intoxilyzer 8000 Operation, Maintenance & Calibration

CMI, Inc Intoxilyzer 8000 Advanced Repair, Maintenance & Calibration

PROFESSIONAL ORGANIZATIONS, AFFILIATIONS AND MEMBERSHIPS:

International Association for Chemical Testing, Inc.

International Law Enforcement Educators and Trainers Association (former member)

Basic Law Enforcement Curricula Committee for Traffic Stops, DUI, Field Sobriety Testing and HGN Development

PROFESSIONAL TRAINING & EDUCATION PROVIDED:

Instructor for Florida County Court Judge Training

Adjunct Instructor: University of North Florida, Institute of Police Technology & Management

Adjunct Instructor: Tallahassee Community College, Florida State Public Safety Institute

EXPERT TESTIMONY PROVIDED:

FEDERAL COURT

Montana District Federal Magistrate Court

US Air Force Courts Martia

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