

ASCLD/LAB-International

STATEMENT OF QUALIFICATIONS

Name	Jane (Jill) Frances Booth	Date	January 28, 2011
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Laboratory	State of Alaska Scientific Crime Detection Laboratory
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Job Title	Forensic Scientist IV
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Indicate all disciplines in which you do casework:

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|---|--|
| <input type="checkbox"/> Controlled Substances | <input type="checkbox"/> Toxicology |
| <input type="checkbox"/> Firearms/Toolmarks | <input type="checkbox"/> Biology |
| <input type="checkbox"/> Trace Evidence | <input type="checkbox"/> Questioned Documents |
| <input type="checkbox"/> Latent Prints | <input type="checkbox"/> Crime Scene |
| <input type="checkbox"/> Digital Evidence | |

List all sub-disciplines in which you do casework:

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Education: List all higher academic institutions attended (list high school only if no college degree has been attained)

Institution	Dates Attended	Major	Degree Completed
Gonzaga University	Fall 1964 - Spring 1965	pre-Medical Technology	
University of Washington	Fall 1965 - Spring 1968	Medical Technology	Bachelor of Science

Other Training: List continuing education, workshops, in-service and other formal training received.

<p>QUALITY ASSURANCE International (ISO) Preparation Course (24 hours / ASCLD/LAB / 2008) Performing Effective Audits (32 hours / FBI / 2008) Legacy Auditor Training (24 hours / ASCLD/LAB / 2007)</p> <p>TOXICOLOGY Forensic Toxicology Review (16 hours / SOFT / 2005) FBI Symposium on Forensic Toxicology (24 hours / SOFT/TIAFT / 2004) The Effects of Drugs on Human Behavior & Performance (32 hours / Indiana University / 2003) Alcohol, Drugs, & Highway Safety (48 hours / Indiana University) Datamaster Breath Alcohol School (32 hours / National Patent Analytical Systems / 2000) Methamphetamine Workshop (8 hours / AAFS / 1998) Breath Alcohol Supervisor School (Audit) (40 hours / SCDL / 1994) Fluorescence Immunoassay (40 hours / Syva Corporation / 1983) Advanced Toxicology (40 hours / American Society of Clinical Pathologists / 1980)</p> <p>DRUG ANALYSIS Clandestine Laboratory Analysis & Synthesis (40 hours / California Criminalistics Institute / 2000) Clandestine Laboratory Re-Certification Course (5 hours / DEA/APD/ 2000) Clandestine Laboratory Workshop (24 hours / Alaska multi-jurisdictional task force/Florida National Guard/Criminal Justice Institute / 1998) Clandestine Laboratory Certification Course (40 hours / DEA/APD / 1998)</p>

Controlled Substances Symposium Workshop (24 hours / NWAFS / 1996)
 Forensic Chemist Seminar (40 hours / DEA / 1993)
 Ion Trap Mass Spectroscopy (40 hours / Perkin Elmer / 1989)

BIOLOGICAL SCREENING

Microscopy of Sexual Assault Evidence (8 hours / AAFS / 1998)

SUPERVISORY

DPS Civilian Leadership School (24 hours / Department of Public Safety / 2005)
 The Disciplinary Process (8 hours / State of Alaska / 2005)
 Change Management for Supervisors (8 hours / State of Alaska / 2004)
 Valuing Diversity (7.5 hours / State of Alaska / 2004)

MISCELLANEOUS

Forensic Digital Imaging (24 hours / George Reis-Imaging Forensics / 2003)
 Accident Prevention Program Development & Recordkeeping (4 hours / Alaska Department of Labor / 1995)
 Courtroom Testimony & Demeanor (4 hours / Valerie VanBroeklin- U.S. Attorneys' Office / 1995)
 Polaroid School of Law Enforcement Imaging (8 hours / Polaroid Corporation / 1995)
 Laboratory Uses of Radioisotopes (80 hours / University of Washington- OB/GYN / 1970)

Courtroom Experience: List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

Drug Analysis:	1992 - present	130 times
Blood Alcohol:	1985 - present	50 times
Toxicology:	2003- 2007	15 times
Biological Screening:	2000-2004	6 times
Case Management:	2008-2009	2 times

Professional Affiliations: List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

American Board of Criministics (ABC), diplomate, 2003-present
 Association of Forensic Quality Assurance Managers (AFQAM), 2006-present
 Society of Forensic Toxicologists (SOFT), 2004-2008
 Clandestine Laboratory Investigating Chemists (CLIC), 2000-2004
 American Society of Clinical Pathologists (ASCP), 1968-1974

Employment History: List all scientific or technical positions held, particularly those related to forensic science. List current position first. Be sure to indicate employer and give a brief summary of principal duties and tenure in each position.

Job Title	Forensic Scientist IV	Tenure	November 2002 - present
Employer	Alaska Scientific Crime Detection Laboratory		
Provide a brief description of principal duties:			
Currently supervising controlled substances, fire debris, and firearm/toolmarks sections. Past responsibilities have included QA Manager (2003-2008), Toxicology Supervisor (2002-2006), and Biological Screening Supervisor (2004-2010).			

Job Title	Criminalist I, II, III	Tenure	January 1992 - August 2002
Employer	Alaska Scientific Crime Detection Laboratory		
Provide a brief description of principal duties:			
Analysis of controlled substances, blood alcohol analysis, sexual assault screening (1999-2001), court testimony			

Job Title	Medical Technologist	Tenure	1974 - 1991
Employer	Alaska Regional Hospital (formerly Anchorage Community Hospital, Alaska Hospital & Medical Center, Humana Hospital)		
Provide a brief description of principal duties:			
Primarily chemistry and toxicology lab work: drug screening, autopsy toxicology, blood alcohol analysis. Occasional responsibilities in blood banking (immunohematology), serology, electrophoresis, blood gases, and cell identification.			

Job Title	Research Technologist	Tenure	1969-1974
Employer	University of Washington School of Medicine, University Hospital (Seattle)		
Provide a brief description of principal duties:			
OB-GYN Steroid Lab: clinical and research analyses involving pregnancy, fertility, complications of pregnancy, and hormonal studies. Testing involved gas chromatography, column chromatography, paper chromatography, radioisotopes, steroid analysis, and teaching responsibilities.			

Job Title	Clinical Technologist	Tenure	1968-1969
Employer	University of Washington School of Medicine, University Hospital (Seattle)		
Provide a brief description of principal duties:			
General hospital chemistry lab: enzyme chemistry, heavy metals, automated multiple analyzers, electrophoresis, blood gases, and teaching responsibilities.			

Other Qualifications: List below any scientific publication and/or presentation authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.
(Use additional sheets if necessary.)

PRESENTATIONS

- "Alaska's Scientific Crime Detection Laboratory", annual convention of Clinical Laboratory Scientists of Alaska, 2009
- "Toxicology Case Studies", annual convention of Medical Technologists of Alaska Association, 1990
- "Controlled Substances & Toxicology", UAA class (Introduction to Criminalistics), 2004, 2005, 2006.
- "Carboxyhemoglobin and Carbon Monoxide Poisoning", in-service to Humana Hospital staff, 1985
- "Science & Technology in the Courtroom", Alaska Bar Association panelist, 1999.
- Alcohol Physiology & Pharmacology", Breath Alcohol Supervisor School, 1999.
- "SART/SANE Certification Training", Kodiak and Fairbanks, 2000
- "Drug Facilitated Sexual Assault", Officer Training series-SCDL, 2001

RESEARCH

- Research, development, and protocol for setting up assays for poisonous volatiles (methanol, isopropanol, acetone, ethylene glycol) by GC/FID.
- Research, development, and protocol for drug confirmation and quantitation assays for opiate drugs, cocaine, and PCP by GC/MS, 1990.