



Alaska Scientific Crime Detection Laboratory Statement of Qualifications

Name	Debra Gillis	Date	06-13-19
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Job Title	Forensic Scientist III
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Indicate all disciplines in which you currently perform testing or calibration work according to the Scope of Accreditation:

<input type="checkbox"/>	Drug Chemistry	<input type="checkbox"/>	Toxicology - Testing
<input checked="" type="checkbox"/>	Biology	<input checked="" type="checkbox"/>	Firearms/Toolmarks
<input type="checkbox"/>	Latent Prints	<input type="checkbox"/>	Crime Scene
<input type="checkbox"/>	Breath Alcohol (non-accredited discipline)		

For each discipline checked in the table above, list all categories in which you perform work:

Firearm Identification, Toolmark Identification, Muzzle-to-Target Distance Determination, Physical Matching, Serial Number Restoration, and Body Fluid Identification

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

Institution	Dates Attended	Major	Degree Completed
University of AK-Anchorage	08-81 to 05-86	Chemistry	BS Chemistry w/Biochem Option
University of AK-Anchorage	08-81 to 05-86	Biology	BS Biological Sciences

Continuing Education: List formal coursework, conferences, workshops, in-service and other training received applicable to past and current forensic related positions.

Course Title	Source of Training	Date(s) of Training
USEPA Drinking Water Certification Officer Training	USEPA Laboratory in Cincinnati, OH – 5 days	1999
Photography, Digital Photography, and Video of Crime Scenes and Physical Evidence	AK State Crime Laboratory – Jim Wolfe – 8 hrs	2001
Managing Property and Evidence in Law Enforcement Agencies	International Association for Property and Evidence, Inc, APD Training Center, Anch, AK – 15 hours	2001
Crime Scene Diagramming	AK State Crime Laboratory – 4 hrs	2001
Sexual Assault Evidence	AK State Crime Laboratory, Kristin Denning – 8 hrs	2001
Trace Evidence Collection	AK State Crime Laboratory, Kristin Denning – 4 hrs	2002
In-house Sexual Assault training	AK State Crime Laboratory, Biological Screening Personnel - 6 months	2002
Bloodstain Pattern Analysis Workshop	Utah Bureau of Forensic Sciences at AK State Crime Laboratory - 5 days	2002
DNA Evidence	AK State Crime Laboratory, Kristin Denning – 4 hrs	2002
Forensic Digital Imaging, Imaging Forensics	Imaging Forensics by George Reis at AK State Crime Laboratory - 3 days	2003
In-house Blood Screening training	AK State Crime Laboratory, Biological Screening Personnel - 4 months	2003
Arson Evidence	Donald Cuthbert of State of Alaska Fire Marshal at AK State Crime Laboratory - 4 hrs	2003

"A Seminar on How to be an Effective Witness in the Courtroom"	Valerie Van Brocklin, Law Enforcement Trainer at AK State Crime Laboratory – 8 hrs	2003
National Firearm Examiner's Academy, Phase I	Bureau of Alcohol, Tobacco, Firearms, and Explosives in Laurel, MD – 4 months	2003
National Firearm Examiner's Academy, Phase II	Bureau of Alcohol, Tobacco, Firearms, and Explosives in Laurel, MD – 15 weeks	2003
National Firearm Examiner's Academy, Phase III	Bureau of Alcohol, Tobacco, Firearms, and Explosives in Laurel, MD – 4 months	2003
National Firearm Examiner's Academy, Phase IV	Bureau of Alcohol, Tobacco, Firearms, and Explosives in Laurel, MD – 2 weeks	2004
Trace Evidence Collection	AK State Crime Laboratory, Kristin Denning – 4 hrs	2002
NIBIN Image Acquisition Training	Forensic Technologies in Largo, FL – 5 days	2005
Armorer's courses	Kahr Arms, Hi-Point, Glock, Ruger, Remington	2005, 2006, 2009
AFTE Annual Training Seminars	Association of Firearm and Tool Mark Examiners	2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2019
Forensic Video Examinations on the dTect System	Dorothy Stout (Ocean Systems) in Laurel, MD – 32 hrs	2006
Silencer Design	AFTE Annual Training Workshops	2007
Advanced Bloodstain Pattern Analysis	Bevel, Gardner and Assoc by Tom Bevel at AK State Crime Laboratory – 5 days	2008
Barrel Manufacturing	AFTE Annual Training Workshops	2008
Discharged Cartridge Case Marks	AFTE Annual Training Workshops	2008
Expert Witness Testimony Techniques	Ron Smith & Associates, Inc in Anch, AK - 2days	2008
Gunpowder and Gunshot Residue School	FBI by John Webb in Spokane, WA – 4 days	2008
Testifying as an Expert	AFTE Annual Training Workshops	2010
Contemporary Issues in Firearm Identification	AFTE Annual Training Workshops	2010
Hair Comparison training	On-line West Virginia University course and In-house training at AK State Crime Laboratory, Biological Screening Personnel - ~100 hrs	2011
Advanced Armorer's Course Colt AR-15, M-16, M-4 rifles and carbines	Specialized Armament by Ken Elmore at APD Training Center – 8 hrs	2011
Magna Flux Serial Number Restoration	AFTE Annual Training Workshops	2011
Techniques in Double Casting	AFTE Annual Training Workshops	2014
Bloodstain Pattern Analysis I	Bevel, Gardner and Assoc by Ross Gardner and Tom Griffin, at AK State Crime Laboratory – 5 days	2014
Science in the Courtroom	Val Van Brocklin, AK State Crime Lab – 2 days	2017
ANAB Accreditation Preparation for Firearm Examiners	AFTE Annual Training Workshops	2019

Testimony: Complete the information below for testimony provided.

Discipline or Category of Testimony	Period of Time in Which Testimony Occurred	Approximate Number of Times Testified
Body Fluid Identification	2003 - present	31
Firearm/Toolmark Identification	2005 - present	30

Professional Affiliations: List 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.

Organization	Period of Membership	Offices or Positions Held/Dates
American Chemical Society	1985-1990	NA
Association of Firearm and Toolmark Examiners	2005-2008	Provisional Member
Association of Firearm and Toolmark Examiners	2005-present	Regular and Lifetime Member

Employment History: List all scientific or technical positions held, particularly those related to forensic science. List current position first. Add additional sections as necessary.

Job Title	Forensic Scientist III, Anchorage, AK	Tenure	Crim I (04-02 to 06-03), Crim II (06-03 to 06-05) Crim III (06-05 to present)
Employer	State of Alaska Scientific Crime Detection Laboratory		
Provide a brief description of principal duties:			
Firearm Identification, Toolmark Identification, Muzzle-to-Target Distance Determination, Physical Matching, Serial Number Restoration, and Biological Fluid Screening.			

Job Title	Laboratory Technician, Anchorage, AK	Tenure	July 2001 to April 2002
Employer	State of Alaska Scientific Crime Detection Laboratory		
Provide a brief description of principal duties:			
Evidence Custodian			

Job Title	Chemist III	Tenure	January 1999 to June 2001
Employer	State of Alaska Chemistry Laboratory, Juneau, AK		
Provide a brief description of principal duties:			
Drinking Water (DW) Certification Officer. Audited all in-state certified DW labs. Monitored certified DW labs personnel, equipment, methods, MDLs, proficiency tests (PT), and Quality Assurance Manuals (QAM). Ensured the continued certification of the SCL with the USEPA by scheduling PT samples, reviewing MDLs, and updating SOPs and the QAM. Provided technical assistance to general public, labs, and agencies about the State of Alaska Drinking Water Program.			

Job Title	Scientist IV	Tenure	November 1993 to December 1998
Employer	Columbia Analytical Services, Anchorage, AK		
Provide a brief description of principal duties:			
Supervise the inorganic department; including metals, wet chemistry, microbiology, and TCLPs. Responsible for workload distribution and tracking, reporting, reviewing data, training, quality control charting, SOPs, personnel reviews, sample dumping, and data analysis. Primary operator of the Graphite Furnace and Mercury by Cold Vapor.			

Job Title	Chemist	Tenure	June 1986 to April 1990; August 1991 to December 1992; April 1993 to November 1993
Employer	Commercial Testing and Engineering, Anchorage, AK		
Provide a brief description of principal duties:			
Intermediate supervisor of the inorganic department; including metals, wet chemistry, microbiology, oil/grease, and TCLPs. Perform distillations, digestions, colorimetric reactions, and run instrumentation (ICP, Graphite Furnace, and Flame AA).			

Other Qualifications: List below all personal certifications identifying the issuing organization and the dates; all scientific publications and/or presentations you have 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 qualifications.

Assist when needed, as a secondary, on crime scenes (2001 to ~2008).

Assisted Robert Shem with workshops in A Simplified Protocol for the Examination of Materials that Possess Gunshot Discharge Products, at three AFTE Seminars (2005 - 40 students, 2006 - 20 students, and 2009 - 40 students)

Assisted instructing in the following classes offered by the State Crime Detection Laboratory: Trace Evidence Collection (4 hr class); Sexual Assault Evidence (8 hr class); and Vehicle Processing (8 hr class).

Laboratory Instructor for Chemistry 055 at the University of AK, Anchorage for fall semester of 1992