

**ASCLD/LAB-International**

**STATEMENT OF QUALIFICATIONS**

<b>Name</b>	Debra L. Gillis	<b>Date</b>	April 7, 2011
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<b>Laboratory</b>	State of Alaska Scientific Crime Detection Laboratory
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<b>Job Title</b>	Forensic Scientist III
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**Indicate all disciplines in which you do casework:**

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

**List all sub-disciplines in which you do casework:**

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

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

<p><b>Firearm/Toolmark</b>                      AFTE Annual Training Seminars – 2010, 2009, 2008, 2007, 2006, 2005; AFTE courses - Silencer Design (2007), Barrel Manufacturing (2008), DCC Marks (2008), Testifying as an Expert (2010), Contemporary Issues in Firearms ID (2010); Armorer’s courses – Kahr Arms (2005), Hi-Point (2006), Glock (2006), Ruger (2009)</p> <p>08/04-08/08 Gunpowder and Gunshot Residue School, by John Webb (FBI), Spokane, WA (32 hours)                      12/05-09/05 NIBIN Acquisition Course by Forensic Technology at Largo, Florida (40 hours).                      02/23-03/05/04 National Firearm Examiner's Academy, Phase IV, by ATF, Laurel, MD (2 weeks)                      11/10-02/20/04 National Firearm Examiner's Academy, Phase III, by ATF, Anchorage, AK (4 months)                      07/28-11/07/03 National Firearm Examiner's Academy, Phase II, by ATF, Laurel, Maryland (15 weeks)                      03/01-07-27/03 National Firearm Examiner's Academy, Phase I, by ATF, Anchorage, AK (4 months)</p> <p><b>Trace Evidence</b>                      01/03-04-01/11 Hair Comparison training (screening) - on-line (WVU) and in-house (~100 hrs)                      01/14-18/08 Advanced Bloodstain Pattern Analysis, Tom Bevel, Anchorage, AK (40 hrs)                      02/03 - 06/03 In-house Blood Screening training (4 months)                      11/12/02 DNA Evidence, State of Alaska Scientific Crime Detection Laboratory (4 hrs)                      09/23-27/02 Bloodstain Pattern Analysis Workshop, Utah Bureau of Forensic Sciences, Anch, Alaska (40 hrs)</p>
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04/02 - 10/02	In-house Sexual Assault training (6 months)
01/29/02	Trace Evidence Collection, State of Alaska-Scientific Crime Detection Laboratory (4 hrs)
12/18/01	Sexual Assault Evidence, State of Alaska-Scientific Crime Detection Laboratory (8 hrs)
<b>Other</b>	
07/29-30/08	Courtroom Testimony Techniques, by Ron Smith, Anchorage, AK (16 hrs)
01/10-13/06	Forensic Video Examinations on the dTect System by Dorothy Stout of Ocean Systems in Laurel, Maryland (32 hrs)
04/28/03	“A Seminar on How to be an Effective Witness in the Courtroom,” by Valerie Van Brocklin, Law Enforcement Trainer, Anchorage, AK (8 hrs)
04/15/03	Arson Evidence by Donald Cuthbert of State of Alaska Fire Marshal, Anchorage, AK (4 hrs)
01/6-8/03	Forensic Digital Imaging, Imaging Forensics, George Reis, Anchorage, Alaska (24 hrs)
11/20/01	Crime Scene Diagramming, Anchorage, AK (4 hrs)
11/01-02/01	Managing Property and Evidence in Law Enforcement Agencies, International Association for Property and Evidence, Inc., Anchorage, Alaska (15 hours)
10/16/01	Photography, Digital Photography, and Video of Crime Scenes and Physical Evidence, Anchorage, AK (8 hrs)
06/15-19/99	USEPA Drinking Water Certification Officer Training, USEPA, Cincinnati, Ohio (40 hrs)

**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.

Biological Screening: 11 times. Firearm/Toolmark Section: 10 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.

Association of Firearm and Toolmark Examiners (AFTE) – Provisional Member 2005 to 2008, Regular Member 2009 to present.  
American Chemical Society – 1985-1990

**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.

<b>Job Title</b>	Forensic Scientist III	<b>Tenure</b>	Crim I (04-02 to 06-03), Crim II (06-03 to 06-05) Crim III (06-05 to present)
<b>Employer</b>	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.			

<b>Job Title</b>	Laboratory Technician	<b>Tenure</b>	July 2001 to April 2002
<b>Employer</b>	State of Alaska Scientific Crime Detection Laboratory		
Provide a brief description of principal duties:			
Evidence Custodian			

<b>Job Title</b>	Chemist III	<b>Tenure</b>	January 1999 to June 2001
<b>Employer</b>	State of Alaska Chemistry Laboratory		
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.

<b>Job Title</b>	Scientist IV	<b>Tenure</b>	November 1993 to December 1998
<b>Employer</b>	Columbia Analytical Services, Anchorage, AK		
<b>Provide a brief description of principal duties:</b>			
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.			

<b>Job Title</b>	Chemist	<b>Tenure</b>	June 1986 to April 1990; August 1991 to December 1992; April 1993 to November 1993
<b>Employer</b>	Commercial Testing and Engineering, Anchorage, AK		
<b>Provide a brief description of principal duties:</b>			
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 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.)

Assist when needed, as a secondary, on crime scenes (2001 to present).
Assisted Robert Shem with workshops in A Simplified Procedure 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 in the Forensic Chemistry 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.