



NAME:	Annalivia Harris	DATE:	1/20/2017
LABORATORY:	Houston Forensic Science Center		
JOB TITLE:	Trace Analyst		

Indicate all disciplines in which you do casework:

<input type="checkbox"/>	Controlled Substances	<input type="checkbox"/>	Forensic Biology/DNA
<input type="checkbox"/>	Crime Scene	<input type="checkbox"/>	Latent Prints
<input type="checkbox"/>	Digital Forensics	<input type="checkbox"/>	Questioned Documents
<input type="checkbox"/>	Firearms	<input type="checkbox"/>	Toxicology
<input type="checkbox"/>	Forensic Audio/Video	<input checked="" type="checkbox"/>	Trace Evidence

List all categories or sub-disciplines in which you do casework:

Fire Debris Analysis

Education:

List all higher education institutions attended (list high school if no college degree has been attained)

Institution	Dates Attended	Major	Type of Degree Earned
University of Hawaii at Monoa	1982	Chemistry	
American River College	1983 – 1984	Chemistry	
California State University San Luis Obispo	1984 – 1986	Chemistry	Bachelor of Science
University of Montana	1986 – 1989	Chemistry	Master Degree

Other Training:

List continuing education, workshops, in service, and other formal training received. Please include the course title, source, and dates of training.

Fibers and Textiles for Forensic Scientists, West Virginia University Continuing & Professional Education Program, Fall 2016
HPLC Methods, SWAFS, Fall 2017
Advanced Fire Debris Analysis, University of Central Florida Continuing Education, National Center for Forensic Science, Spring 2016
Bath Salts: New Synthetic Cathinones, Northwest Association of Forensic Scientists (NWAFS), Missoula, MT 2012
Analysis and Interpretation of Chemical Unknowns, AAFS, Washington DC, 2012
Oxford Instruments Inca Energy/Feature course, Pleasanton, CA 2012



Hooke College of Applied Sciences Modern Polarized Light Microscopy course, Chicago, IL, 2012

Basics of Management, State of Montana, Helena, MT, 2010

WARM: Writing Administrative Rules, State of Montana, Missoula, MT 2009

Analysis of Low Order Explosives, TWIGFEX, Orlando, FL, 2009

California Criminalistics Institute Forensic Lamp Examinations Course, Sacramento, CA 2008

ASCLD/LAB ISO 17025 training, Miami, FL, 2007

Forensic SEM Applications, SCANNING, Monterrey, CA, 2005

Gunshot Primer Residue Symposium, U.S. Dept. of Justice, Federal Bureau of Investigation (FBI), Quantico, VA, 2005

Practical Aspects of SEM and X-Ray Microanalysis, NWAFFS, Missoula, MT, 2004

State and Local Postblast Investigation, U.S. Dept. of the Treasury, Bureau of Alcohol, Tobacco and Firearms, Missoula, MT 2003

Clandestine Laboratory Workshop: Determining Production Capacity and a Phenyl-2-propanone Refresher, NWAFFS, Portland, OR 2003

Analysis of Black Powder and Black Powder Substitutes, NWAFFS, Spokane, WA 2002

Applied Spectroscopy (Chem 544), University of Montana, Missoula, MT 2001

Raman Spectroscopy Workshop, NWAFFS, Redmond, OR 2001

Courtroom Testimony Workshop, NWAFFS, Park City, UT 2001

Tips/Strategies for ASCLD/LAB Accreditation, NWAFFS, Park City, UT 2001

Technical Writing for Criminalists, NWAFFS, Sacramento, CA 2000

Introduction to Derivatization, NWAFFS, Sacramento, CA 2000

Syntheses and Analyses of Methamphetamine Manufactured from Iodine – Red Phosphorus and Lithium – Ammonia Reduction of Ephedrine and Pseudoephedrine, NWAFFS, Cheyenne, WY 1999

Biological Electron Microscopy/Electron Microscopy Lab (Biol 440/541), University of Montana, Missoula, MT 1997



Instrumental Analysis of Explosives, FBI, Quantico, VA, 1997

Microscopical Examination of Explosives, NWAFS, Spokane, WA 1996

Forensic Scanning Electron Microscopy, McCrone Research Institute, Chicago, IL, 1992

Forensic Chemist Seminar, U.S. Dept. of Justice, Drug Enforcement Administration, VA, 1991

FT-IR Operation Training Course, Nicolet Instrument Corporation, Madison, WI, 1991

Courtroom Experience:

List the disciplines/sub-disciplines in which you have testified as an expert witness and indicate over what time period and approximately how many times you have testified in each.

Discipline or Sub-Discipline	Time Period	Times Testified
Controlled Substances	1991 – 2014	Approximately 50
Gunshot Residue	1994 – 2014	Approximately 15
On/Off Filament Examinations	1995 – 2014	Approximately 3
Explosives	1995 – 2014	Approximately 2

Professional Affiliations:

List any professional organizations of which you are or have been a member. Indicate any office(s) or positions held and the dates of these activities.

Organization	Member Status & Position(s) Held	Dates of Membership
Northwest Association of Forensic Scientists (NWAFS)	Regular; President 2000 -2001; Vice President 1999 – 2000; Member-at-Large 1998 – 1999	1992 - Present
American Chemical Society	Regular	1985 - Present
Microscopy Society of America	Regular	2010 - Present

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 duties. Please list your dates of employment by month and year.



Job Title:	Trace Analyst	Dates of Employment:	10/28/15 - Present
Employer:	Houston Forensic Science Center		
Provide a brief description of duties below:			
Analyze trace evidence, including but not limited to ignitable liquids and chemical unknowns			

Job Title:	Microscopist	Dates of Employment:	July 2014 – Aug. 2015
Employer:	Hazen Research, Inc.		
Provide a brief description of duties below:			
Analyzed samples to identify mineral species using electron microprobe, powder x-ray diffraction, and optical microscopy			

Job Title:	Forensic Chemist	Dates of Employment:	Nov. 1991 – July 2014
Employer:	Montana Forensic Science Division		
Provide a brief description of duties below:			
Analyzed evidence for the presence of controlled substances, gunshot residue, and explosive, and performed on/off filament examinations. My duties involved the use of various types of scientific instrumentation including GC/MSD, FTIR, PLM, and SEM/EDX. I wrote reports documenting my findings, maintained the chain of custody of the evidence while it was in my possession, and provided testimony in courts of law.			

Job Title:		Dates of Employment:	
Employer:			
Provide a brief description of duties below:			

Job Title:		Dates of Employment:	
Employer:			
Provide a brief description of duties below:			

Other Qualifications:

List below any scientific papers authored or co-authored and/or scientific presentations given, research in which you have been involved, academic or teaching positions you have held, and any other information you consider relevant to your qualification as a forensic scientist.

<p>Fellow – American Board of Criminalistics (ABC) – Controlled Substances</p> <p>Research Papers:</p> <p>Harris, A., Klietz, B., “Primer Gunshot Residue Contamination”, NWAFS, Missoula, MT September 2012</p> <p>Harris, A., “Identification of Composite Gunshot Residue Primer Particles”, SCANNING, Monterey, California, April 2005</p>
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Harris, A., "Analysis of Primer Residue from CCI Blazer® Lead Free Ammunition by Scanning Electron Microscopy/Energy Dispersive X-Ray", *Journal of Forensic Sciences*, Volume 40, Number 1, January 1995, PP. 27-30

Hutchison, J. Jr, Harris, A., Rasmussen, S., Schlueter, S., "Concentration of Butriptyline in Biological Fluids Following a Fatal Overdose", *Journal of Analytical Toxicology*, July/August 1994, PP. 220-224