



Idaho State Police Forensic Services



BRITANY A. WYLIE

Forensic Scientist III

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Education:

2008 Bachelors Degree in Chemistry/Biochemistry with concentration in Forensic Science, Eastern Washington University

Certification:

April 2015 American Board of Criminalistics, Diplomate in Comprehensive Criminalistics

December 2022 Association of Firearm and Toolmark Examiners, Firearm Evidence Examination and Identification

Experience:

8/2021- present: Forensic Scientist III (Firearms Discipline Lead)
Idaho State Police Forensic Services – Coeur d'Alene Laboratory.
Duties: Firearms and Toolmark Analyst/Technical Leader, NIBIN Acquisition, NIBIN Acquisition Approved Trainer (NIBIN-NAT), ILIMS Administrator/Vendor Liaison, Urine/Blood Toxicology Analyst

2/2021- 8/2021: Forensic Services Lead worker/Supervisor
Idaho State Police Forensic Services – Coeur d'Alene Laboratory.
Duties: In addition to the duties of a Forensic Scientist 2: direct supervisor to three FS2 analysts, responsible for coordination of annual Employee Development plan and Annual evaluations.

2/2013- present: Forensic Scientist II
Idaho State Police Forensic Services – Coeur d'Alene Laboratory.
Duties: Urine/Blood Toxicology Analyst, Firearms and Toolmark Analyst, NIBIN Acquisition, NIBIN Acquisition Approved Trainer, ILIMS Administrator/Vendor Liaison

2/2011- 2/2013 Forensic Scientist I
Idaho State Police Forensic Services – Coeur d'Alene Laboratory.
Duties: Urine Toxicology Analyst

<https://isp.idaho.gov/forensics>

EQUAL OPPORTUNITY EMPLOYER

Revised 06/27/23

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6/2009 – 2/2011 Laboratory and Operations Supervisor
Global Drug Testing Labs
Coeur d'Alene, Idaho
Duties: Urine screening analysis for common drugs of abuse

Professional Organizations; Committees; Working Groups:

2010-2017: Associate Member – Northwest Association of Forensic Scientists (NWAFS)

April 2018- 2021: Provisional Member- Association of Firearms and Toolmark
Examiners (AFTE)

Sept. 2021- Current: Regular Member- Association of Firearms and Toolmark Examiners
(AFTE)

Testimony:

I have testified in Idaho district court as an expert witness in Idaho relating to analysis in
Firearms/Toolmarks analysis, Urine and Blood Toxicology.

Completed Casework Summaries (Past 5 years only):

Totals: 2019- Current:

Toxicology Analysis casework: Blood: 408 cases; Urine: 93 cases
Firearms/Toolmarks casework: 190 reports completed
Technical/Administrative Case Reviews: 1,620 reports
NIBIN entries: 512 entries

2023:

Toxicology Analysis casework: Urine: 11 cases
Firearms/Toolmarks casework: 41 reports completed
Technical/Administrative Case Reviews: 349 reports
NIBIN entries: 95 entries

2022:

Toxicology Analysis casework: Urine: 11 cases
Firearms/Toolmarks casework: 41 reports completed
Technical/Administrative Case Reviews: 349 reports
NIBIN entries: 95 entries

2021:

Toxicology Analysis casework: Blood: 72 cases; Urine: 19 cases
Firearms/Toolmarks casework: 59 reports completed
Technical/Administrative Case Reviews: 310 reports
NIBIN entries: 166 entries

2020:

Toxicology Analysis casework: Blood: 198 cases, Urine: 63 cases
Firearms/Toolmarks casework: 28 reports completed
Technical/Administrative Case Reviews: 230 reports

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NIBIN entries: *140 entries*

2019:

Toxicology Analysis casework: *Blood: 64 cases*

Firearms/Toolmarks casework: *37 reports completed*

Technical/Administrative Case Reviews: *273 reports*

NIBIN entries: *111 entries*

Continuing Education; Association Meetings; Conferences:

2023:

- Association of Firearm and Tool Mark Examiners (AFTE) Annual Technical Meeting, Austin, Texas
 - Workshop: Technical Leader Round-table
 - Presentations: NIBIN Users Group, Cadre Users' Group
 -
 - Multiple scientific presentations and information sessions

2022

- ISO 17025 Training, Seaglass Training, 32 hour Virtual course
- Cadre Forensic 3D VCM Tools and Technology webinar
- 2022 Midwest Firearms Training Seminar 8.5 hours
- 2022 Firearm and Toolmarks Policy and Practice 4 day Forum -14 total hours

2021

- NIBIN Acquisition Train the Trainer Course, ATF, WSP Lab Cheney, WA
 - Certified as a NIBIN Authorized Trainer (NAT).
- NIBIN NAT webinar
 - Refresher with topics covering Best Practices, Training Procedures and e-Learning Tools
- Association of Firearm and Tool Mark Examiners (AFTE) Annual Technical sessions Meeting, Virtual Attendance

2020

- Society of Forensic Toxicology (SOFT) Annual Meeting, Virtual Meeting
 - 8 hour Toxicology seminar- Cannabis
- Western Intermountain Laboratory Directors Firearms Virtual webinar
- The Center for Statistics and Applications in Forensic Evidence (CSAFE)-Firearms Workshop
 - 10 hour webinar on 3D technology in Firearms Examination
- Virtual presentation on ISPFS toxicology analysis to local Drug Recognition Experts training

2019

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- California Association of Toxicologists Fall 2019 Meeting, Ventura, California
 - 16 hour Toxicology seminar
- Bloodstain Pattern Analysis- Meridian, ID
 - 40-hour Basic Bloodstain Pattern recognition course

2019 cont.

- NIBIN Acquisition Training, ATF, WSP Lab Cheney, WA
 - 24-hour training course on sample acquisition and entries for the NIBIN/IBIS Systems.
- Machining for Firearms/Toolmark Examiners, Precision Forensic Testing Houston, TX
 - 16-hour training course on major machining techniques used in firearms and tool manufacturing.
- ISPFS In-house training on QToF Instrumentation and data analysis, training provided by Agilent (Instrument Manufacturer)

2018

- Tool Mark Identification, AFTE- Forensic Education & Resource Committee, Indianapolis, IN
 - Weeklong training course covering manufacturing methods and practical exercises for tool mark comparisons.
- ILIMS User Group, Porter Lee Corp, Schaumburg, IL
 - Workshop: Crystal Reports
 - Workshop: Template ini and troubleshooting
 - User Group training for LIMS Administration
- Society of Forensic Toxicology (SOFT) Annual Meeting, Minneapolis, MN
 - Workshop: Weaving Together the Toxicologist and the Drug Recognition Expert (DRE)
 - Workshop: Defending Your Testing Services Through Testimony
 - Multiple scientific presentations and information sessions

2017

- E102 Firearms and Toolmark Introduction I Course, California Criminalistics Institute (CCI), Rancho Cordova, CA
 - Weeklong course in ammunition history and modern manufacturing, history of firearms, overview of common examinations of firearms related evidence. Basic identification criteria and limitations were covered.
- Digital Photography Crime Scene Training Course, FBI hosted by ISPFS in Meridian. ID
 - Weeklong course on digital camera functionality and operation
 - Crime scene photography techniques and practical exercises
- ILIMS User Group, Porter Lee Corp, Schaumburg, IL
 - Workshop: Crystal Reports

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- Workshop: Template ini and troubleshooting
- User Group training for LIMS Administration

2017 cont.

- Association of Firearm and Tool Mark Examiners (AFTE) Annual Meeting, Denver, CO
 - Workshop: Double Casting
 - Workshop: Sub-Class and Sufficient Agreement
 - Workshop: Documentation Methods for Casework
 - Multiple scientific presentations and information sessions
- Idaho State Police Pocatello Lab Internal Audit- Toxicology Section
 - Internal Audit to assess Pocatello Lab compliance with ISO 17025 standards

2016

- Society of Forensic Toxicology (SOFT) Annual Meeting, Dallas, TX
 - Workshop: Opioids in DUID Investigations
 - Workshop: From the Sample Tube to the Mass Spectrometer
 - Multiple scientific presentations and information sessions
- Association of Firearm and Tool Mark Examiners (AFTE) Annual Meeting, New Orleans, Louisiana
 - Workshop: Glock Armorers Course
 - Workshop: Ring of Fire
 - Workshop: Sub-Class Characteristics
 - Workshop: Sig Sauer Classic Pistols Armorers Course
 - Workshop: Barrel Manufacturing Techniques
 - Workshop: Serial Number Restoration and Barcode Deciphering
 - Workshop: Hi-Point Familiarization/Armorers Course

2015

- SHOT Show, Las Vegas, Nevada
- Familiarization, Maintenance and Basic Troubleshooting of Agilent 1200/6400 Series LC/MS, ISPFS Lab Coeur d'Alene, Idaho
- HPLC 1200/1260 Maintenance and Troubleshooting, Redmond Washington
- California Association of Toxicologists, Irvine, CA
 - 16-hour toxicology training seminar

2014

- Supervisor Academy, Northwestern University/Idaho State Police POST, Meridian, Idaho
- Society of Forensic Toxicology (SOFT) Annual Meeting, Grand Rapids, Michigan
 - Workshop: Getting Excited about Stimulants

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- Workshop: LC for the Forensic Toxicologist: Answers to 101 Questions you were afraid to ask.
- Multiple scientific sessions

2014 cont.

- ASCLD/LAB Assessor Training, ASCLD/LAB and Idaho State Police, Meridian, Idaho
- Idaho State Police Pocatello Lab Internal Audit- Toxicology Section
 - Internal Audit to assess Pocatello Lab compliance with ISO 17025 standards

2013

- Sig Sauer Classic Pistols Police Armorer's Course, Sig Sauer Academy and Sharp Shooting, Spokane, Washington
- AR15 Armorer's Course, Specialized Armament and Spokane County Sherriff, Spokane, Washington

2012

- Court Room Presentation of Evidence, Idaho State Police Forensic Services, Meridian, Idaho
- Remington M/870 Police Armorer's Course, Remington and Kootenai County Sherriff, Coeur d'Alene, Idaho
- LC/MS/MS Instrument On-Site Application Training, Agilent Technologies, Coeur d'Alene, Idaho
- Robert F Borkenstein: The Effects of Drugs on Human Performance and Behavior Course, Presented by Indiana University, Philadelphia, PA

2011

- Ethics in Forensic Science, West Virginia University Extended Learning Program
- Handgun Familiarity Course, Center Target Sports, Post Falls, Idaho
- 2011 Spring Continuing Education for Forensic Professional Program, New Orleans, Louisiana
 - Perspectives in Expert Testimony
 - Basic Serial Number Restoration
 - The Recognition, Detection, and Significance of Gunshot Residues
- Advanced Roadside Impaired Driving Enforcement, Idaho State Police POST, Coeur d'Alene, Idaho
Course certificate not obtained attended for information presented only.

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Trainings Conducted:

- July 2021- trained two(2) NIBIN users for triaging and NIBIN Acquisitions
- November 2021- trained two(2) NIBIN users for triaging and NIBIN Acquisitions
- January 2022 - trained two(2) NIBIN users for triaging and NIBIN Acquisitions
- February 2022- trained one(1) NIBIN users for triaging and NIBIN Acquisitions

Validations Participation:

2019-2020: Minor Participant in the Validation for use of the LC-QToF instrumentation for analysis of blood samples. Multiple Analytical Methods were validated during this project using Cayman Chemical ToxBio, to include Multi-Drug Targeted Screening and Cannabinoids Screening. (ISPFS Analytical Methods 29 and 30).

2017: Continuation of Multi-Drug Confirmation Methods to incorporate additional compounds to confirmatory scope.

2016: Major Participant in the Validation for use of the LC/MS/MS instrumentation for analysis of Blood samples. Multiple Analytical Methods were validated during this project using Cayman Chemical ToxBio, to include Multi-Drug Targeted Screening, Cannabinoids Screening, Multi-Drug Confirmatory Methods and Quantitative confirmation of Cannabinoids. (ISPFS Analytical Methods 25, 26, 27 and 28).

Participation included LC/MS/MS method development, validation extractions, data evaluation, validation data summaries, preparation of supporting documentation and Validation summary reports.

2015: Evaluation of Current Benzodiazepine LC/MS/MS data (ISPFS AM 13, previously AM 6.1.1), and assistance in lowering the limit of reporting for the analytical method.

2015: Participation in the Validation for the use of the LC/MS/MS instrumentation for the detection of cannabinoid compounds in blood and urine samples (ISPFS AM 14, previously AM 6.1.2).

2012: Participant in the Validation for the Use of LC/MS/MS instrumentation for the detection of benzodiazepines in blood and urine samples (ISPFS AM 13, previously AM 6.1.1).