



# Idaho State Police Forensic Services



## **Melissa (Nikka) Bradley**

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Meridian, ID 83642-6202  
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### **Education:**

- 2010 University of Utah- Salt Lake City, UT  
Master of Science (MS) Chemistry
- 2007 Northern Arizona University- Flagstaff, AZ  
Bachelor of Science (BS) Chemistry- American Chemical Society Certified
- 2005 Yavapai College- Prescott, AZ  
Associates of Science (AS)

### **Experience:**

- 9/2016- Present Idaho State Police Forensic Services  
Alcohol and Controlled Substance Section  
Forensic Scientist II  
Duties: Controlled Substance analysis, Blood alcohol analysis,  
Breath instrument calibrations, Regional Breath Testing  
Coordinator (RBTC)
- 9/2014- 9/2016 Idaho State Police Forensic Services  
Alcohol and Controlled Substance Section  
Forensic Scientist I  
Duties: Blood alcohol analysis, breath instrument calibrations,  
Regional Breath Testing Coordinator (RBTC), marijuana analysis,  
and controlled substance analysis trainee
- 5/2014- 8/2014 Volt Employment Agency  
Temporary on-assignment  
Analytical Chemist
- 8/2010- 5/2014 ARUP Laboratories  
Biochemical Genetics Department  
Technologist II, Senior

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

**EQUAL OPPORTUNITY EMPLOYER**

Revised 3/2/19

**Melissa (Nikka) Bradley**

1/2008- 7/2010                      University of Utah  
Chemistry Department  
Graduate Research Associate

8/2007- 12/2007                    University of Utah  
Chemistry Department  
General Chemistry Teaching Assistant

7/2005- 7/2006                      Northern Arizona University  
Chemistry Department  
Undergraduate Researcher

**Certifications:**

2011    Board-certified American Society for Clinical Pathology in Chemistry C(ASCP)

**Professional Organizations; Committees; Working Groups:**

2017    The International Association for Chemical Testing (IACT)  
2009    American Chemical Society (ACS)

**Testimony:**

I have testified in the following counties in Idaho: Twin Falls, Ada, Canyon, Bannock, Elmore, Fremont, Boise

**Continuing Education; Association Meetings; Conferences:**

2018    Northwest Association of Forensic Science (NWAFS) General Session  
Latent Print Orientation and Search Clues (NWAFS)  
Customer Service Training

2017    Gas Chromatography Mass Spectrometry (GCMS) Maintenance, Troubleshooting, Data analysis  
Operation, Technical Aspects, Calibration & Basic Maintenance for the Guth Models 12V500 (Rev. A) & 2100 Simulators  
Back to Basics: Alcohol Analysis in the Forensic Laboratory (IACT)  
IACT Conference 2017 Plenary Sessions  
Transitioning to the 2017 ANAB-ASCLD/LAB Accreditation Requirements for Calibration Laboratories (IACT)  
Crucial Conversations

2016    Operator Trainer and Maintenance Technician Draeger Alcotest 9510  
Northwest Association of Forensic Science (NWAFS) General Session  
Hash Oil Extraction Systems (NWAFS)  
Organic Chemistry Refresher (NWAFS)  
Ethics and Bias in Forensic Science (NWAFS)  
Headspace and GC Maintenance and Troubleshooting Course  
Defending the Breath Test Result (Webinar)

## Melissa (Nikka) Bradley

- 2015 Lifeloc FC20 Factory Training  
Dräger Alcotest 9510 Training  
Oral Fluid Analysis in Impaired Driving Investigations (Webinar)  
Gas Chromatography Headspace (GCHS) Instrument Maintenance and Troubleshooting Class (MLS Technologies)  
Courtroom Presentation of Evidence  
Defending a Blood Test Result (Webinar)  
Idaho State Police Blood Alcohol Analysis Training  
Adobe Presenter Class  
The Myth of the DUI Defense: Rising BAC (Webinar)
- 2014 The Robert F. Borckenstein Course on Alcohol & Highway Safety: Testing, Research & Litigation (University of Indiana Bloomington, IN)  
Plenary Session 3: Intersection of Law and Science in Their Pursuits of Justice and Truth (forensicEd online)  
Ethics in Forensic Science (West Virginia University Extended Learning)
- 2009 237<sup>th</sup> Annual American Chemical Society (ACS) Conference  
Salt Lake City, UT  
Presenter (30 min)

### Validations Completed:

2012 Collected data on a newly acquired Agilent gas chromatography-mass spectrometry (GCMS) for the validation of quantitation of organic acid plasmas at ARUP Laboratories. The following study included data acquired regarding accuracy, precision, linearity, and limits of quantitation. Shared samples were compared with a previously validated instrument to ensure consistency of clinical significance.

### Teaching; Presentations:

- 2017 Draeger Alcotest 9510 co-presenter Weiser PD/Washington CSO  
2009 237<sup>th</sup> Annual American Chemical Society Conference  
2007 General Chemistry II Teaching Assistant

### Research; Publications:

Bradley, M M; Siperko, L M; Porter, M D "Colorimetric-solid phase extraction method for trace level determination of arsenite in water" *Talanta*, Vol. 86, Oct 2011: 64-70.