

CURRICULUM VITAE

STEVEN MERRILL, BS

Public Health Chemist II
Organic Chemistry and Alcohol Program
Vermont Department of Health Laboratory
195 Colchester Avenue
Burlington, VT 05401
Phone: 802.863.7622
Fax: 802.863.7632
Email: Steven.Merrill@ahs.state.vt.us

Education

- Bachelor of Science, Natural Science; Lyndon State College, May 2006
- Minor Chemistry and Geology; Lyndon State College, May 2006

Relevant Coursework

- 4 credit hours of General Chemistry I; 4 credit hours of General Chemistry II
- 4 credit hours of Organic Chemistry I; 4 credit hours of Organic Chemistry II
- 4 credit hours of Environmental Chemistry; 4 credit hours of Aqueous Geochemistry
- 3 credit hours of Psychopharmacology

Certifications, Licenses & Trainings

- Theory of Operation, Maintenance and Repair of the DataMaster DMT; National Patent Analytical Systems, Inc., June 2011
- The Robert F. Borkenstein Course on Alcohol & Highway Safety: Testing, Research & Litigation; Indiana University, May 2011
- DataMaster DMT Operator Course; Vermont Department of Health Lab., February 2011
- State of Vermont Board of Pharmacy Technician License; September 2009

Work History

Public Health Chemist II

01/2011 - Present

Vermont Department of Health

Burlington, VT

- Accession and store evidentiary blood samples, independent blood samples and urine samples while properly maintaining a chain of custody for each sample
- Analyze evidentiary blood samples for ethanol using a Gas Chromatograph via head space sampling
- Calculate, report, review and create affidavits for evidentiary blood results
- Prepare, analyze and review simulator solutions for the DataMaster DMT instruments
- Calibrate and certify DataMaster DMT instruments for evidentiary breath-alcohol testing
- Review and edit current SOPs in the Alcohol Program

Public Health Chemist I, TEMP.

03/2010 – 01/2011

Vermont Department of Health

Burlington, VT

- Analyze samples by using the following instruments: Liquid Scintillation Counter, Low Level Alpha/Beta Counting System, E-Perm System
- Analyze samples for the following analytes: radon in air, radon in water, gross alpha by coprecipitation and evaporation methods, gross beta by evaporation method, tritium in water
- Prepare laboratory reagents to be used in analytical testing
- Prepare samples for gamma spectrometry analysis
- Sample disposal, calculations, data entry and review for the Radiochemistry Program

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Pharmacy Laboratory Technician PENRO Specialty Compounding

**08/2008 - Present
Colchester, VT**

- Compound custom veterinary and human bio-identical hormone medications
- Use a variety of active and inactive chemicals/scheduled drugs to make custom prescriptions following detailed log sheets
- Follow procedures to make medications both in the anti-room and the clean-room
- Strong customer service both via telephone and pick-ups/walk-ins

Public Health Laboratory Technician III, TEMP. Vermont Department of Health

**10/2007 – 09/2008
Burlington, VT**

- Analyze drinking water samples for hardness by titration, alkalinity by titration, total dissolved solids and perform sample digestion for metal analysis
- Test for radon in the air by E-Perms
- Analyze samples for gross alpha by coprecipitation
- Maintain continuous quality control records, tests and instrument calibration
- Review and edit SOPs according to current EPA methods

Environmental Assistant, TEMP. Department of Environmental Conservation

**06/2007 – 10/2007
Waterbury, VT**

- Analyze environmental water samples for chlorophyll-a, dissolved oxygen by titration and turbidity
- Review and edit SOPs according to current EPA methods
- Sample preparation, disposal, calculations and glassware