

Kim Watson, RQAP-GLP/ *Quality Assurance Specialist / Consultant*



Ms. Watson has over 40 years of experience in all phases of environmental project and QA management, assessments, planning, sampling and analysis. She has experience in laboratory production, analytical methodologies, quality control and quality assurance in calibrations and analytical measurements. She has worked in regulatory environments such as GLP, ISO, RCRA and CERCLA. Her expertise is in training, quality assessment consulting, data and method validation, analytical project planning and coordination and GLP and ISO field and laboratory inspections.

Years of Experience / 40

Education

B.S., Environmental Engineering Technology, cum laude, 1981, Norwich University, Vermont

Environmental Applications of Gas Chromatographic Mass Spectrometry, 1995, Indiana University

Professional Certifications

Registered Quality Assurance Professional in Good Laboratory Practices, RQAP-GLP, April 2004 - 2023

Skills

Current Trainer: GLP Standards, & 8-Hr Refresher of the 40-Hour (29 CFR 1910.120) OSHA health and safety training for hazardous waste operations and emergency response, November, 1995-present.

Trained auditor in laboratory and field sampling and measurement activities.

Trainer in cannabis sampling, GLPs, environmental and agrochemical sample collection and analysis; cannabis, soil, water, and air.

Department of Justice, expert witness in environmental chemistry principals.

Honors and Awards

Engineering Technology Award, Norwich University, 1981

Professional and Community Activities; See last page

Employment History

Strategic Environmental Management, E. Montpelier, Vermont Quality Assurance Specialist

2/1/2021-Present

9/1997-10/2001

Review and validate CLP-type data packages generated in support of sampling analysis program at clients' industrial/commercial plant sites. Validation was conducted in accordance with EPA's National Functional Guidelines, regional guidelines, other agency procedures, method specific standard operating procedures, and professional judgment as appropriate.

Responsibilities include compilation and evaluation of site data from various on-site analytical programs. Experience in design and development of an on-site analytical laboratory.

Facilitate education seminars on quality assurance for laboratories, engineers, lawyers, and cannabis random and representative sampling.

Stone Environmental Inc., Montpelier, Vermont

Senior Management Team-Accounting and HR Supervisor

10/2016-2/2021

Quality Assurance Specialist, 2/2021-present

Quality Assurance Manager, 10/2001 – 2/2021

Health and Safety Officer, 2004-2/2021

Managers QAU Services, 2004-2/2021

As the Accounting and HR Supervisor, my responsibilities include supervising the day to day oversight and operations of the accounting and human resource team. Responsible for determining appropriate workloads with team members to ensure that they are completing their tasks and providing guidance on completing their workloads efficiently. Assist in regulatory updates in HR and quality control of ESOP documentation, payroll, and accounts payable.

Manages QAU projects: Manages QAU services for EPA related environmental and agrochemical field studies. Responsible for reviewing outgoing protocols/reports for GLP compliance. Assesses field activities for compliance to NELAC/NEFAP standards and ISO 17025 standards.

Responsible for developing and implementing quality systems for company processes both project and non-project related. Approves Site Specific and Generic Quality Assurance Project Plans (QAPPs).

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Administers the Corporate Health and Safety Management Program; acts as a resource for employees of the company and manage the Safety Committee. Reviews and approves project-specific site Health and Safety Plans for field investigations.

Severn Trent Laboratories (TestAmerica Burlington, Eurofins), Colchester, Vermont Quality Assurance Manager, 1997-2001

Responsible for the overall laboratory quality assurance. Responsible for the continuous development, documentation of QA procedures dealing with the day to day operation of the laboratory, and the implementation of the QA Program for inorganic and organic analyses of environmental samples.

Intertek Testing Services, Inchcape Testing Services, Aquatec Laboratory, South Burlington, Vermont Chemistry Project Director, GC/MS Data Review Group Leader, QA/QC Data Review Specialist, Extraction Lab Technician, 1983-1995

Responsible for a group of seven people working on the review of data, publication, and mass spectral interpretation. Analytical experience in the VOA HP5971A MSD GC/MS Systems.

Project Director for USEPA Special Analytical Service Solicitations Contracts, CLP government contracts, and other private client contracts.

LCIC (Love Canal) Habitability Study; reviewed final data deliverables and responsible for daily electronic upload of GC/MS analytical data to project bulletin board.

PCB Study, New Bedford, MA: Performed review and quality control of GC/MS analysis for the development of analytical procedures published in "Application of a Mixed-Method Analytical Scheme for Analysis of PCB in Water and Sediment Samples from a Polluted Estuary," Richard A. McGrath, William Steinhauer and Siegfried Stockinger (1987).

Trillium, Inc. Home Office, Montpelier, Vermont Quality Assessment Manager, 4/1995-6/1997

Reviewed and validated CLP-type data packages generated in support of sampling analysis program at clients' industrial/commercial plant sites. Validation was conducted in accordance with EPA's National Functional Guidelines, regional guidelines, other agency procedures, method specific standard operating procedures, and professional judgment as appropriate.

Responsibilities included compilation and evaluation of site data from various on-site analytical programs. Gained experience in design and development of an on-site analytical laboratory.

Upon request from USEPA Region I, provided extensive review and comments on Parts I and II of the Region I, EPA-New England Data Validation Functional Guidelines for Evaluation Environmental Analyses.

Facilitated education seminars on environmental chemistry for Engineers and Lawyers.

State of Vermont, Office of Solid Waste, Montpelier, Vermont Environmental Engineer Technician, 9/1981-10/1982

Responsible for the environmental engineering design of solid waste and waste disposal facilities and water quality monitoring at the solid waste facilities throughout the State of Vermont.

Related Project Experience

Data Validation Services, Various Sites, 082074, 13-152, HTRW, Ipswich Antennae Site, 12-106, Camp Kilmer 14-166, West Point 15-285

Data review and validation services. Manual data validation organic and inorganic analyses.

Data Validation Services, Various Sites, Private Clients: Data Validation Services, Phoenix Chemistry Services, Various Sites, 12-093 and 16-117

Data review and validation services. Manual data validation organic and inorganic analyses.

Data Usability Report Summaries (DUSR). Various clients and Sites, 14-020, 2016, 2017, 2018 and 2019

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Data review and validation services all organic and inorganic parameters for completion of the DUSR for NYS clients and sites. NPS-validation projects

FIU. Database system setup, Chemical Company, 12-162

Work for Florida International University to set up a Laboratory Information Management System to handle generation of electronic data deliverables.

Wastewater Inspections and reporting on Toxic Scan for discharge land application permits, 14-066; Cheese Companies, VT clients, 2017, 2018 and 2019

Audit wastewater systems and land application of the wastewater for compliance with IDP permits. Review TCLP environmental analyses for completeness and evaluate data sets through mass spectral interpretations to determine the identifications of tentatively identified compounds (TIC) that are not on the TCLP list. These determinate the presence / absence of these TICs.

Publications and Presentations

Watson, Kim 2021, What's the Deal with GLP Equipment Design, Maintenance and Calibration? Standatd Operating Procedures, NAICC 2021 Webinar Series.

Watson, Kim. 2020, Critical Phases and How to Pick Them (Field), National Alliance of Independent Crop Consultants, 2019 Annual Meeting.

Watson, Kim. 2019, To GLP or NOT to GLP That is the Question. National Alliance of Independent Crop Consultants, 2019 Annual Meeting and 258th ACS National Meeting and Exposition

Watson, Kim. 2018, Best Practices for Obtaining Samples of Known Quality. Contract Research, Good Laboratory Practices & Other Challenges For The Agrochemical Professional, 256nd ACS National Meeting & Exposition

NEMC 2018 ""The Future Landscape for Science." Field Sampling, Measurement & Sensor Technology

Watson, Kim. 2016, 2017 & 2018, ACS, "Cannabis Samplers Training Workshop: Representative and Random Sampling of Usable Marijuana and Cannabinoid Concentrates, Extracts and Products"— State of Oregon, Cannabis Laboratories, 8 Hr Initial Training and Refresher Training - webinar.

Watson, Kim. 2017, ACS, "Auditing Field Aerial Drift Studies and Field Volatility Studies Using Good Laboratory Practices (GLPs)"— AGRO ACS Meeting 2017.

Watson, Kim. 2017, ACS, "Representative and Random Cannabis Sampling, Sampler Quality Systems, and Demonstration of Competency in Sampler Protocols"— AGRO ACS Meeting 2017.

Watson, Kim. 2016, NAICC, "Things I wish I knew when I started in QA"—Lab/Field Perspective, Panel Discussion.

Watson, Kim. 2014, Presented – NEMC Trials and Tribulations of Being a Mobile Laboratory – Methodologies and Accreditations.

Watson, Kim. Gaynor, Ph.D., Deborah, 2013, Presented – NEMC, Legal Defensibility of Data. How to Choose a Laboratory that Will Meet Your Data Assessment and Testing Needs?

Watson, Kim. 2013. TNI/NELAP – Presented / Article TNI-Newsletter, Organizations: What Are the Benefits of Accreditation?

Watson, Kim. May 2013. OELA – Presented TNI NEFAP- Field Sampling & Measurement Organization Accreditation Program

Watson, Kim & SQA EPA GLP Specialty Group. February 2005. GLP Inspection Experiences from the Regulated Communities Perspective. 2005 SQA World Conference.

Watson, Kim. April, 2004. The New NELAC and ELAB Update. Presented to SQA Annual Meeting.

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Watson, Kim, 2004. Quality Assurance Training. Data Integrity Procedures and Ethics and Laboratory Quality Assurance. Full Day Workshop for ITLA (Independent Testing Laboratory Association), New England.

Watson, Kim. 2003. Manual Integration Basics, Techniques in Manual Integration. Presented to NY&PA AAEL August 2003

Watson, Kim. 2002. GOT ETHICS, Ethics Training, Fraud Prevention and Detection. Presented to NERCSQA November 2002.

Additional Education

Stone's Customize Leadership Training and Education, Panurgy, 4 Sessions, 2018.

Leadership Development and Communication Training, Co-Chair Market Segmentation Team, @1, November 2014-June 2015

Scientific Integrity in Federal Agencies Lessons from the Environmental Protection Agency, August 8, 2014

DOD Quality Systems Manual Training, January 30, 2014

GLP Training, Quality System Consultants, Inc. Patricia Royal, M.S.;D.A.B.T., QAP/GLP Registered, January 2002

Gearing Up for NELAP, National Laboratory Training Network, November 1998

Management Problems of the Technical Person in a Leadership Role, Fred Pryor Seminar, September 1997.

Supervisory Skills in Positive Discipline, October, 1997

Water Environment Federation, "Environmental Labs: Testing the Waters", Cincinnati, Ohio, August 13-16, 1995.

PACS Training Course in Mass Spectral Interpretation, May 4-6, 1994

Inchcape Managerial Skills Training Workshop I: April 12-13, 1993, Training Workshop II: July 7-8, 1994

Professional and Community Activities

TNI, The NELAC Institute, member 2001-present

NEFAP, National Environmental Field Activities Program Executive Committee, Retired Chair, Associate, 2009-present

NEMC, National Environmental Monitoring Conference Succession Chair, 2013-2016

TNI NGAB, Non-Governmental Accreditation Body Committee Member, 2014-present

FSMO, Field Sampling Measurement Organization Standard Training (AB Evaluator Training), February 14, 2011; Member, 2007-present

NEMC/TNI, Session Chair, 2013, 2014, 2015.

NAICC, National Alliance of Independent Crop Consultants – Ethics Committee; GLP QA Committee; Member, 2013-present

ACS, American Chemical Society, member 1995-present

ASQ, American Society for Quality, member 1995-present

SQA, Society of Quality Assurance, member 2001-present

Uniform Federal Policy for Quality Assurance Project Plans Course #06042, 2006

TNI FSMO Standard Training (AB Evaluator Training): February 14, 2011

East Montpelier Planning Commission: Member (Elected), 2010-Present; Secretary, 2006-present, Vice Chair, 2018-present

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East Montpelier Development Review Board: Member (Appointed), 2010-present

Norwich University Engineering Society: President and Co-Founder of Chi Beta Chapter of Tau Alpha Phi