Erik Justin Portillo

erik.justin.portillo@gmail.com | (503) 449-3699
3838 SE 16th Avenue, Portland, OR 97202

EDUCATION

University of Oregon   November 2020 – April 2021
Coding Bootcamp, Full Stack Web Development

Eastern Michigan University   September 2013 – May 2016
Bachelor of Science in Chemistry, Minor in Human Nutrition

Portland Community College   September 2010 – June 2012
Associate of Science earned June 2012

WORK EXPERIENCE

Analyst II – Quality Control Coordinator – Lab Technician   September 2016 – Current
Columbia Food Laboratory, Portland, OR

Analyst II - June 2017 - Current

- Performed various routine chromatography analysis on ISO accredited pesticides, mycotoxins, and glyphosates residue profiles on food, plant tissues, and soil. Also analyzed TNI regulated Potency in Cannabis and Pesticides in Cannabis, as well as auxiliary testing such as Terpenes in Cannabis and Potency in Kratom.
- Utilized and performed routine analysis and upkeep on instruments including LC-DAD, LC-MS/MS, GC-MS, and GC-FID.
- Utilized analyst software suites including Sciex's Analyst, Agilent's ChemStation, EnviroQuant, and MassHunter, and Thermo's Xcalibur.
- Reported results directly to a senior analyst and worked together in performing various dilutions and preparing custom confirmation acquisition methods.
- Prepared daily data and QC reports for reporting using Excel and proprietary LIMS software and tracked all QC results using established control charts.

Quality Control Coordinator – June 2018 - Current

- Coordinated with the quality assurance manager in performing routine calibrations for balances, thermometers, and pipettes, training lab technicians on new QC policies, as well as utilizing monthly checklists monitoring reagents, standards, and other controlled aspects of the department.
- Introductory employee training and onboarding regarding the department-specific quality assurance policies.
- Developed control charts for various tests using Excel, Excel VBA, Access, and Power Query; set up user-friendly dashboards for monitoring and presentation purposes, statistically derived control limits, and discovering new information about methods for method improvement purposes.
- Created an integrated data network for QC and workflow tools, including automated worklists, on-demand calculated limits for specific methods, batch related tools, lab-wide work alert systems, and auto-batching mechanisms all using Microsoft Office Suite interconnectivity available in Power Query and VBA. Played a major role in digitizing and automating the department's workflow and quality management.
- Collaborated with all departments for the development of new lab-wide SOPs and training documents in preparation for audits and new accredited methods.
- Resolved corrective and preventative actions with management including performing routine internal auditing, initiating out of specification reports, and monitoring ongoing corrective actions.
- Acted as deputy to the department manager in workflow and personnel management when supervisor was out of the office.
- Resolved any immediate questions about our methods and processes, guiding less experienced team members toward controlled documentation if available and providing general wisom regarding best practices and understanding of analytical chemistry and chromatography.

Erik Justin Portillo

erik.justin.portillo@gmail.com | (503) 449-3699
3838 SE 16th Avenue, Portland, OR 97202

Lab Technician – November 2016 – October 2017
- Followed lab SOPs in performing basic solvent extractions, QuECHhERS extractions, and prepared headspace vials for GC analysis for cannabis and cannabis products for TNI regulated testing.
- Prepared instrumentation QC including CCVs, Standard Curves, and ICVs.
- Responsible for the cleanliness of the lab, ordering supplies, and maintaining the sample-control room to ensure samples did not get misplaced.
- Coordinated with the senior analyst in preparing vials and loading batches for instrumentation and preparing mobile phase when needed.
- Handled solvent waste and other disposables per lab safety regulations.

Sample Receiving – September 2016 – November 2016
- Received client samples directly from clients or from mail, reviewing each client's chain of custody, and entering the samples into the LIMS software in preparation for testing.
- Coordinated with the sample prep team in ensuring samples were not lost and received the appropriate prep for the required tests.

LIMS & Software Development – September 2016 - Current
- Coordinated with a Germany-based development team working on the introduction and ongoing development of the parent-company's proprietary LIMS.
- Self-taught the intricacies of the in-development, German language LIMS.
- Negotiated direct read-only access to the LIMS database in developing external solutions for missing features with high demand, such as batching and worklist tools
- Self-taught basics of SQL and database management.
- Acted as trainer for this LIMS as new departments adopted the system.
- Coordinated with lab personnel in communicating and presenting software issues and bugs to the development team.
- Self-taught Excel's integrated VBA language to advance workflow efficiency utilizing excel as a platform.
- Entered University of Oregon's Full Stack Coding Bootcamp to migrate all MS-based tools to professional applications and platforms.

SOFTWARE AND HARDWARE EXPERIENCE

Proficient in the following:
- Moderate to Advanced Excel including experience in Excel VBA and Power Query
- Agilent ChemStations
- Agilent MassHunter
- Sciex Analyst & Multiquant
- Thermo Xcalibur
- Automation scripting software AutoHotKey and SikuliX
- Windows 95 and up, MacOS, and Linux based operating systems
- Agilent 1200 LC-DAD System
- Sciex 5500 LC/MS-MS System
- Thermo Scientific DSQ II Series Single Quadrupole GC/MS