

Steve Harvey
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GOAL

Seeking Chemist, Laboratory Technician, Quality Control Position

EXPERIENCE

Arctic Fox Environmental Laboratory, Prudhoe Bay, AK (2023)

Chemist

- *Performed testing of water and soil samples for metals, volatile organics, and other EPA required parameters
- *Operated ICP/MS and GC/MS instruments
- *Certified drinking water according to Alaska Dept. of Environmental Quality
- *Reported results to oil & gas clients and advised on testing protocols and methods

AFCO-Zep Company, Kingman, AZ (2021-2022)

Chemist

- *Performed quality control testing of production batches
- *Made adjustments to batches and formulas to meet product specifications
- *Released materials to packaging and final release using SAP
- *Operated lab equipment such as titrators, density meters, and pH meters

Elite Diagnostics-Monroe Regional Medical Center, Aberdeen, MS (2019-2020)

LCMS Operator

- *Performed drug screen toxicology confirmations on urine and oral swab patient samples
- *Operated and maintained Waters Acquity UPLC LC/MS/MS chromatography system
- *Performed initial method validation for drugs of abuse and prescribed medications
- *Setup preparation plates, injection plates, and aliquoted standards and samples for analysis
- *Ordered and maintained standards, consumables, and instrument supplies
- *Responsible for instrument calibration, maintenance, temperature logs, and reporting results
- *Ran toxicology methods for drugs of abuse with 11 analytes and prescribed medications with 97 analytes

Northern Star Resources, Delta Junction, AK (2016-2018)

Lab Analyst/Assayer

- *Tested water samples for cyanide toxicity before discharge to surface/river waterways using titrations and Varian Atomic Absorption
- *Analyzed Gold for purity
- *Ran multiple lab instruments and operated computer systems and equipment
- *Acted as lead analyst in supervisor's absence

Excel Staffing-GCC America, Albuquerque, NM (2016)

Quality Control Laboratory Technician

- *Operated XRF, XRD, and physical testing equipment
- *Analyzed process samples for mineral composition
- *Performed sampling of cement process samples, raw materials and other samples as needed
- *Provided analysis results to production and control room operators

Praxair, Kingman, AZ (2012-2015)

Quality Control Laboratory Technician III

- *Operated multiple Gas Chromatographs and moisture analyzers in support of industrial gas operations
- *Analyzed toxic gas products such as arsine and phosphine in a strictly monitored environment using Gas Chromatography
- *Certified product for customer shipment and reported results to plant operators and management
- *Maintained daily instrument calibration

Chemsolutions, Centennial, CO (2013)

Chemist

- *Performed onsite environmental toxicity testing of water samples for organic contaminants before going into the city water supply using GC/MS
- *Calibrated and operated mobile laboratory GC/MS chromatography system
- *Reported results to management and field personnel during the Parachute remediation project

SGS North America-Mineral Services, Cedar City, UT (2010-2012)

Branch Manager

- *Managed a minerals laboratory in support of mining operations
- *Accountable for sample preparation, analysis, quality control, safety, and reporting
- *Performed XRF elemental analysis of iron ore samples

Nuclear Filter Technology-Los Alamos National Lab, Los Alamos, NM (2009-2010)

Chemist

- *Performed testing of samples for volatile organics
- *Responsible for data review, operating GC/MS, and following operating procedures
- *Completed LANL required radiation safety training

Source One Staffing-NREL, Golden, CO (2006-2007)

Lab Assistant

- *Lab assistant for scientists conducting biofuels research
- *Prepared stock solutions and glassware for experiments using sterile technique
- *Sterilized and prepared equipment using autoclaves; prepared growth media/plates

Sartomer, Grand Junction, CO (2000-2005)

QC Chemist

- *Performed testing of chemical plant polymer samples using FTIR, LC/GPC, GC, titrations, and viscosity
- *Monitored toxic residual in polymer products used in FDA regulated applications using Agilent 1100 HPLC
- *Responsible for instrument maintenance, computer database, and writing/revising procedures
- *Participated in ISO 9002 audit and preparation; performed safety inspections in the plant
- *Assisted with the training of new lab technicians; interfaced with operators and plant personnel

EDUCATION

University of Houston-Clear Lake

- *Bachelor's degree Biology/Biochemistry-Chemistry minor
- *Studied instrumental methods of analysis/operated GC/MS
- *Attended training course for FTIR
- *Proficient with Microsoft Office
- *Completed HAZWOPER, MSHA, and CPR training

INSTRUMENT/EQUIPMENT EXPERIENCE

Chromatography

- *Agilent 1100 HPLC with RID and UV detectors
- *Waters Acquity I Class LC/MS/MS
- *Hewlett Packard 5890A Series II, 5890A, 5790A, with autosamplers and Chemstation/EZChrome software
- *HP 6890 GC/5973 MSD-Gas Chromatograph/Mass Spec
- *Varian 3400/3800 with Star Chromatography software
- *GC/FID, GC/ECD, GC/TCD, GC/HID, GC/OFID, and GC/ELCD/PID systems
- *Tekmar Precept II and Tekmar 3000 purge/trap concentrator

Spectroscopy

- *Bruker Vector 33 FTIR with OPUS software/Chemometrics
- *Panalytical Axios XRF/Siemens 3000 XRF
- *Varian AA
- *Dohrman Nitrogen Analyzer by Chemiluminescence
- *Dohrman Sulfur/Chloride Analyzer by Microcoulometry
- *Antek Nitrogen Analyzer
- *MDA Sulfur and Toxic Gas Analyzer
- *TOC Analyzer

Wet chemistry-other

- *Acid/base number, pH, chlorides, acidity, mercaptens, phosphorus, thiophene, carbonates, phenols, peroxides, aldehydes, bromine index, saponification value, lead, arsenic, oil content, iron, benzene, nitrates, fluorides, Brookfield viscosity, BTU, specific gravity, distillations, pour point, and color
- *Karl Fischer Water
- *Orion pH meter
- *Prepared samples for ICP/MS analysis using microwave digestion
- *Utilized variety of glassware and lab equipment
- *Maintained Statistical Process Control (SPC) Data
- *Compiled Material Safety Data Sheets (MSDS) for chemical inventory
- *Operated Laboratory Information Management Systems (LIMS)
- *Ordered Laboratory supplies and parts