1. Conducted routine sampling of drinking water and public water following standard operating procedures.
2. Prepared standards and quality control solutions using dilutions, normality, molarity and stoichiometry calculations.
3. Diagnosed and performed minor repairs on laboratory instrumentation and maintained lab and field equipment in safe, clean and efficient condition.
4. Adjusted water treatment levels to correct below-standard variances
5. Maintained public water systems using hand tools to repair and adjust equipment and machines.
6. Calibrated pH, DO and chlorine meters to support proper working order for daily inspections.
7. Built and executed formulas and generated charts in [Software] spreadsheet applications.
8. Demonstrated capability for wet chemistry techniques by meeting quality control requirements, laboratory SOP and client specifications.
9. Tested water samples and made adjustments to remove harmful bacteria and organism to guarantee water safety and quality of taste and smell.
10. Trained laboratory and operations personnel in public water system maintenance, analytical procedures and data reporting.
11. Adhered to EPA and OSHA regulations.
12. Directed and coordinated plant workers engaged in routine operations and maintenance activities.
13. Activated pumps, valves and processing equipment to move water through treatment processes and added chemicals as needed.
14. Operated and adjusted controls on equipment to purify and clarify water, process or dispose of sewage and generate power.
15. Drafted reports and maintained logs on meter readings, tests, chemical and equipment usage as required by [State].
16. Collected water samples to test alkalinity, hardness and residual levels.
17. Operated equipment such as front-end loaders, forklifts and slakers regularly.
18. Monitored SCADA system for problems and adjusted controls to maintain efficiency.
19. Inspected equipment or monitored operating conditions, meters and gauges to determine load requirements and detect malfunctions.
20. Disinfected water with chemicals such as ammonia and chlorine in exact concentrations.