'Annual Onsite Maintenance Visit'

The annual onsite, preventive maintenance visit includes labor and travel cost to perform the following services. The cost of the parts required to perform this service are not included. A separate parts allowance will need to be setup prior to the onsite visit to cover all analyzer parts used during the visit.

1. Inspect instrument electrical, plumbing and communication connections.
    a. Identify issues or problems observed.
    b. Repair issues internal to the analyzer.
2. Retrieve and evaluate the instrument internal data log, auto zero/clean log, and DI indicator values to identify operational problems or issues. Revise settings for flush intervals, sample intervals, zero/clean intervals, and recommended cleaning solution mixture if necessary.
3. Test the basic instrument functions and sequences to verify proper valve and pump operations and to assure adequate flow of sample, zeroing solution and cleaning solution.
4. Remove, inspect, clean, and reinstall the flow cell assembly.
5. Replace if applicable and necessary:
    c. Lithium battery
    d. Valve Diaphragm Replacement
    e. Sample Filter Rotation (Replacement of disposable filter Plastic Containers
    f. Sample and Reagent Tubing
    g. Inlet Strainer
    h. UV Fiber Optics
    i. UV Flash Lamp Assembly
    j. Peristaltic or Diaphragm Pump
    k. Reagent Injector Pumps
    l. Inlet Assembly
    m. Manifold Valve(s)
    n. Cleaner box diaphragm pump
    o. Cleaner box manifold
6. Check wavelength calibration and adjust if necessary.
7. Check the lamp light output and adjust the lamp intensity/position if necessary.
8. Perform a manual zero and record DI indicator values. Review customer indicator value records.
9. Update or replace the backup software storage that contains instrument setup and data files, log retrieval software, and slope/intercept adjustment software.
10. Test the instrument detection response to spiked samples and/or standards. Establish a data collection plan for calibration, adjustment, or slope/intercept changes by site personnel if an adjustment is found to be necessary based on COMPANY evaluation of test samples and customer records.
11. Training for operators and instrument technicians
12. Provide a detailed service visit report.