Scope of Work

Fluorescence Detector

Background

The FDA (Food and Drug Administration), Northeast Food and Feed Laboratory (NFFL), Chemistry laboratory analyzes a wide variety of regulatory samples across numerous program areas. Additionally, the laboratory often requires the development and verification of methodology to detect contaminates in a wide variety of regulated commodities. NFFL is seeking to bring the AOAC paralytic shellfish poisoning method online, which requires this a fluorescence detector. NFFL currently has an Agilent Infinity II HPLC System (1260 Bin Pump: S/N DEAEP00513), and the fluorescence detector must be compatible with this system.

Purpose

The fluorescence detector will be used to bring the AOAC/ISSC PSP method online.

Scope

NFFL requires services from an Original Equipment Manufacturer trained technician capable of providing new equipment and installation of this system.

The contractor shall provide the requirements described in this Statement of Work (SOW).

1. Minimum Performance Requirements

1. The purchase includes the instrument
2. Shall be compatible with current Agilent Infinity II HPLC system S/N. Will be installed on this HPLC system.
3. Shall have a multi wavelength up to 148Hz
4. Shall have an approximate Weight 15 kg
5. Shall have approximate dimensions: (height × width × depth) 140 x 400 x 435 mm
6. Shall have raman with a signal to noise at least greater than 3000
7. Shall have a Xenon Flash Lamp, normal mode 20 W, approximate lifetime ~ 4000 h
8. Shall have an excitation monochromator: Fixed Bandwidth at 20 nm
9. Shall have a monochromator: concave holographic grating
10. Shall have an emission monochromator: Range: settable to at least a 200 nm - 1200 nm range

Trade and Service Specifications

1. The instrument must be a newly manufactured unit, not used and refurbished or previously used for demonstration.
2. FOB Point destination to include inside delivery and clean-up of area after installation.
3. The entire system must be warranted for parts and labor for 12 months from the date of formal government acceptance. The vendor must also be capable of servicing the instrument through the covered warranty period. The system must include at least a one (1) year warranty and shall include at a minimum: coverage on all non-consumable items and parts supplied including base instrument, factory-

certified replacement parts, engineer labor and travel costs. Any equipment repair and maintenance work shall be performed by an OEM-trained engineer. This factory-trained engineer shall have (verified by the OEM) the following: 1) access to OEM factory telephone support; 2) access to the most current OEM factory training for both hardware and software components; and 3) access to all current OEM factory parts, not build-to-order parts. The OEM-trained service engineer shall not use salvaged parts from other instruments for performing maintenance and repairs. All parts used in PM and repairs must be guaranteed, factory-tested, OEM quality parts.

4. Instrument operators shall have access to a technical representative call center at no additional charge, for technical assistance and trouble-shooting, which is staffed by senior engineers to provide a high level of expertise for troubleshooting the instrument.
5. Any necessary Preventative maintenance (PM) or Repair Services shall be included during the warranty period. This visit shall be inclusive of all parts, labors, travel, consumables, and supplies which are necessary to complete the OEM's suggested PM protocol. Service engineers which perform this service shall trained by the OEM.
6. Sufficient familiarization training for 3-5 users per delivery onsite location will be provided at time of installation or shortly thereafter (within 30 days), such that operators may independently operate the instrument and with increased familiarity and proficiency. The training shall include manuals and any consumables to be used during training.
7. The Contractor shall provide installation qualification with an employee who can provide proof of installation qualification/Operation qualification (IQ/OQ)

Records and Reports

The Contractor shall, commensurate with the completion of each service call (inclusive of warranty service), provide the end-user of the equipment with a copy of a field service report/ticket identifying the equipment name, manufacturer, model number, and serial number of the equipment being serviced/repaired and detailing the reason for the service call, a detailed description of the work performed, the test instruments or other equipment used to affect the repair or otherwise perform the service, the name(s) and contact information of the technician who performed the repair/service, and for information purposes, the on-site hours expended and parts/components replaced. In addition, the Contractor shall provide monthly reports to the FDA PROJECT OFFICER and Contract Specialist, not later that the 5th work day following the end of each month, summarizing all maintenance and repair activities (including warranty work) for the previous month (during months that work is performed).

Deliverables

Table 1. Deliverables / Schedule

Fluorescence Detector	1	Not later than September 1, 2022

Place of Performance/Shipping Destinations

Food and Drug Administration,
Northeast Regional Laboratory
158-15 Liberty Avenue
Jamaica, NY 11433-1034

The delivery or services must be during regular business hours (Monday – Friday) during the times of 8:00 AM – 4:00 PM Eastern Time, excluding holidays.

Period of Performance

The Period of Performance begins the date of contract award execution

The anticipated period of performance is as follows:
September 1, 2022 – August 31, 2023