

**EVALUATION OF BID
PROPOSALS**

FOR: NEXION 350D INDUCTIVELY COUPLED PLASMA – MASS SPECTROMETRY (ICP-MS)

Bid File No. 3424
Bid Opening: 1/12/16

<u>BIDDERS</u>	<u>TOTAL NET BID AMOUNT</u>
1. Agilent Technologies, Inc. 2850 Centerville Road Wilmington, DE 19808	\$140,317.42
2. PerkinElmer Health Sciences, Inc. 710 Bridgeport Avenue Shelton, CT 06484-4794	\$182,710.29

Each bidder has agreed to allow the City sixty-four (64) days from date bids are opened to accept or reject their bid proposal. Purchasing requests that you complete the following sections and return this bid evaluation to the Purchasing Division at the latest by Monday, February 8, 2016, 5:00 P.M.

The Budget Allocation for this expenditure is \$ 195,600. The contract price is 28% below the Budget Allocation. If the overage is greater than 10% or only one bid was received, give explanation:

BACKGROUND OF PROJECT (To be completed by Evaluating Department/Division. Explain need for project/equipment):

The Wastewater Management Division (WMD) is requesting replacement of one (1) PerkinElmer Inductively Couple Plasma Mass Spectrophotometer (ICP-MS) for FY16. The WMD Laboratory is a State Certified Laboratory (ELAP) that performs testing of environmental samples to meet monitoring and reporting requirements of the Fresno-Clovis Regional Wastewater Reclamation Facility (RWRF) and the North Fresno Wastewater Treatment Facility (NFWTF). The laboratory utilizes multiple instruments to analyze wastewater constituents to meet reporting requirements and for process control.

The ICP-MS is the instrument of choice to determine low levels of heavy metals in environmental samples, specifically to the parts per billion (PPB) or parts per trillion (PPT) levels. Environmental regulations, specifically those related to water and wastewater require analytical instruments and procedures able to detect heavy metals at very low levels which can be done with the ICP-MS. The existing ICP-MS is 10 years old. It has had practically all its parts replaced, including the mass-flow controller for the nebulizer gas, and it is currently unable to adjust the argon gas flow to the nebulizer which is critical for reliable results. The City is requesting that the replacement ICP-MS uses the best available technology in collision cell that can achieve highest sensitivity and demonstrate the highest interference removal.

EVALUATION OF BID
PROPOSALS

Page 2

FOR: NEXION 350D INDUCTIVELY COUPLED PLASMA – MASS SPECTROMETRY (ICP-MS)

Bid File No. 3424
Bid Opening: 1/12/16

DEPARTMENT CONCLUSIONS AND RECOMMENDATION:

Award a contract in the amount of \$ _____
to _____
as the lowest responsive and responsible bidder.

Remarks:

Reject all bids. Reason:

The bid specifications requested that the instrument should use ammonia and a true quadrupole filtering device for maximum removal of interference. It came to our attention that when using collision mode, there are instruments in the market that are able to achieve very low detection limits with the ability to minimize/eliminate interference without using 100% ammonia as a reactive gas. Two bidders presented their products and the City would like to revise the bid specifications to ensure that the purchase of the replacement ICP-MS meets the minimum requirements of an instrument that can use collision cell that can achieve highest sensitivity and demonstrate the highest interference removal.

**EVALUATION OF BID
PROPOSALS**

FOR: NEXION 350D INDUCTIVELY COUPLED PLASMA – MASS SPECTROMETRY (ICP-MS)

Bid File No. 3424
Bid Opening: 1/12/16

Department Head Approval

Tommy Esposito
Title *Director, DP4*
Date *February 9, 2016*

- Approve Dept. Recommendation Approve Finance/Purchasing Recommendation
 Disapprove Disapprove
 See Attachment

FINANCE DEPARTMENT

CITY MANAGER

[Signature] *2/17/16* *[Signature]* *2/16/16*
Purchasing Manager Date City Manager or Designee Date

Michael Mind *2/17/16*
Finance Director Date