



## REQUEST FOR PROPOSAL # 21RP013

### GAS CHROMATOGRAPH MASS SPECTROMETER SYSTEM

#### ADDENDUM #1

DECEMBER 3, 2020

#### NOTICE TO ALL BIDDERS AND PLAN HOLDERS

The Solicitation is amended by the following clarifications/changes/additional information. If any provision in this Addendum conflicts with any existing provisions in the Solicitation, this Addendum will control. All other terms, conditions, and provisions of the Solicitation remain in effect as published.

#### BID SUBMITTAL DEADLINE

The submittal due date and time remains **2:00 P.M., LOCAL TIME, DECEMBER 9, 2020** and is **NOT** changed by this addendum.

#### 1. CHANGES/CLARIFICATIONS

Section 5 – Submittal Preparation Requirements – **DELETE** existing third paragraph on page 22 and **REPLACE** with the following:

*“The Offeror’s submittal should not exceed a **MAXIMUM of 100** pages in length (single sided 8½” X 11” paper) and **MUST** include a **MINIMUM** of the following items listed below. **NOTE:** Total page count excludes cover letter, section dividers, table of contents, pre-printed COS material (City’s Signature Page, Firm and Staff Qualification Summary Letter, and Disclosure Forms).”*

#### 2. CONTRACTOR QUESTIONS AND ANSWERS

The following are the Questions (Q#) and Answers (A#) the City received prior to the Pre-Bid Conference during the Question Submittal period.

Q1 “Is the City interested in the ability to provide He or Hydrogen or switch? Should we provide the hydrogen as an option?”

A1 *We are not interested in hydrogen as carrier gas so please quote only Helium option. As for the CI, this is optional for future installation.*

Q2 “Will City of Scottsdale accept the computer that is standardly supplied with the instrument?”

A2 *As specified in the RFP, Section 4: Computer, Instrument Control and Data Processing, the City will provide the computer.*

## **CONTRACTOR QUESTIONS AND ANSWERS – CONT'D**

Q3 “AEI Source Question:

“Method 525.2 requires Full Scan Detection; we would choose the (AEI) Advanced Electron Ionization source to meet the Formal Request for Proposal section 3.3. The AEI source is capable of meeting 70eV as required by Method 525.2 section 6.10.3

The mass spectrometer must be capable of electron ionization at a nominal electron energy of 70 eV to produce positive ions.

The AEI source optimal performance is 45eV. We would run your application at 45eV and there is no compromise to spectral quality or matching to the NIST library. Would this meet your interpretation of Method 525.2?”

A3 *Per EPA 525.2, 6.10.3: The mass spectrometer must be capable of electron ionization at a nominal electron energy of 70 eV to produce positive ions. The spectrometer must be capable of scanning at a minimum from 45-450 amu with a complete scan cycle time (including scan overhead) of 1.0 second or less.*

Q4 “Can you confirm the City’s interest in a GCMS with removeable vaper interlock feature?”

A4 *The City would be interested in all options available to be submitted with your offer.*

Q5 “SSL and PTV Question: We would choose to use Standard SSL inlet in Surge Pressure Splitless mode, to meet 525.2 QC and the detection requirements of the instrument performance specification in the Formal Request for Proposal section 3.3. The PTV in conjunction with the Polaris Q may have met these sec 3.3. We will include a PTV module to meet bid requirements?”

A5 *Please quote the injector system that will meet the QC requirements of the method plus the COS Water Quality Laboratory performance specification, Section 3.3 of the RFP.*

Q6 “The vendor shall provide a data report for EPA Method 525.2 on an environmental sample analyzed on the proposed System. Could you please clarify what you are looking for here?”

- 1) Each vendor is required to run a sample prior to bid submission to prove that they can meet the requirements - If so, when are we going to be able to get the sample?
- 2) Each vendor is required to run a sample after bid award to prove that they can meet the requirements
- 3) Each vendor is simply required to prove that their software can generate an EPA type report? If so, what is the purpose here? Without the user’s knowledge of the sample, this will not be particularly useful, apart from showing that their software can generate such a report.

A6. *The City desires to see a typical report for EPA Method 525.2 that includes surrogate recovery, target compounds and the reported amounts with spectra quality match; however, the City will review/evaluate all systems presented with your offer.*

Q7 “2.4 Autosampler: must be able to accommodate autosampler syringes in sizes from 5 to 250 µL. There is no mention here of minimum autosampler vial capacity. What is the unattended sampling capacity desired”?

A7 *The autosampler – minimum 50 samples, accommodating regular 2 mL autosampler vials.*

## **CONTRACTOR QUESTIONS AND ANSWERS – CONT'D**

- Q8 “3.2 The detector must be capable of and must have / meet the following specifications:
- Electron Impact Ionization (EI) with full scan (FS), selected ion monitoring (SIM) and FS/SIM simultaneous within sample injection.
  - High sensitivity EI or Advanced EI source with dual filament, programmable to 350°C
  - Optional chemical ionization source, with software switchable dual reagent gas with digital flow control: \* Ammonia, methane presets, with option for isobutane and carbon dioxide.
- Q8.1 Should the pricing for the chemical ionization source be included in the pricing page, or is it sufficient here that the system supports option chemical ionization for later upgrade?
- Q8.2 The wording was a bit vague here. So, just looking to find out whether you want CI capability at install or if you plan to add it later.
- A8 *Chemical Ionization – optional, for future install (as we may be analyzing 1,4-dioxane on the same system). The City would be interested in all options available to be submitted with your offer.*
- Q9 Adjustable emission current from 1 to 350 eV. Units of current are typically expressed in units of uA, not eV. Would you please clarify?”
- A9 *The units for emission current should be in uA, so the adjustable emission current requirement is 0-350 uA.*
- Q10 Regarding Proposal Copies, page 20 – will the City accept an organized proposal in a 3-ring binder?”
- A10 *Yes, offerors may submit a bound copy (or up to 4, one for each evaluator) for ease of organization/viewing).*

By signing and submitting a Bid or Proposal, the Bidder/Proposer is acknowledging that they will abide by all Addenda issued prior to the opening of the Bids/Proposals and agreeing that all pricing takes into account all such Addenda.

### **END OF ADDENDUM #1**

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