

REQUEST FOR QUOTATION

January 23, 2020 (Amended February 7, 2020)

PROJECT: Analysis of Non-Methane Organic Compounds

QUOTES DUE BY: 5:00 PM on Monday, March 2, 2020

OVERVIEW

The San Joaquin Valley Unified Air Pollution Control District (District) collects ambient air samples that can be analyzed for specific Non-Methane Organic Compounds (NMOC). The air samples are sent to laboratories that will analyze and upload to EPA's Air Quality System (AQS) using AIRS parameter codes. The District has participated in the EPA's Enhanced Photochemical Assessment Monitoring Station (PAMS) monitoring program (PAMS) program for a number of years and will continue to use EPA's list of PAMS Compounds (Attachment B) as the targeted species except for acetaldehyde, acetone, and formaldehyde. The District is requesting all analyses be performed in adherence to the 1998 USEPA PAMS Technical Assistance Document (TAD), USEPA method TO-15, or other methods as appropriate for PAMS analysis in accordance with USEPA's AQS database requirements.¹

The District has replaced the standard SUMMA canister equipment with Entech canisters. These Entech canisters are two liter (2L) stainless steel canisters four inches (4 in) in diameter, coated with an inert ceramic (Silonite™) to collect NMOC samples, and equipped with a "quick release true seal valve." The manufacturer notes that low-profile fittings are required to clean these canisters. All 200 canisters will need to be cleaned and certified prior to the start of the season.

The District is issuing this Request for Quotation (RFQ) in order to retain a qualified contractor who will analyze air samples collected in 2020. The sampling period is June through August 2020.

To be considered for this project, contractors must meet the minimum eligibility requirements and submit cost-effective proposals that satisfy this RFQ's quotation requirements. The District will pay on a per canister basis. Payments will be made after proper verification of completed submission of all samples to EPA's AQS database and District evaluation of EPA Quality Control Reports, confirming that the work was completely and satisfactorily carried out.

¹ Updated 2/7/2020

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Because District funding for the project may include federal funds:

- Contractor shall comply with all federal and state conflict of interest laws, statutes, and regulations, which apply to performance of this Agreement and shall be applicable to all parties and beneficiaries and any officer, agent, or employee of District under this Agreement.
- The contractor shall comply with all federal and state conflict of interest laws, statutes, and regulations, which shall be applicable to all parties and beneficiaries under this Agreement and any officer, agent, or employee of District.
- The contractor must not be presently debarred, suspended, proposed for debarment, declared ineligible, voluntarily excluded from participation or otherwise excluded from or ineligible for participation under federal assistance programs. Contractor must ensure that all subcontractors employed for conduct of this project also certify compliance with this provision of law to the contractor.
- A contractor or any individual identified in the proposal that appears in the Excluded Parties List System (EPLS) is not eligible for award of a contract. The EPLS is a central registry that contains information regarding entities debarred, suspended, proposed for debarment, excluded, or otherwise declared ineligible from receiving Federal contracts. Access to the EPLS is available at www.epls.gov.
- The contractor certifies by signing the signature page of the original copy of the submitted proposal and any amendment signature page(s) that the proposer is not presently debarred, suspended, proposed for debarment, declared ineligible, voluntarily excluded from participation, or otherwise excluded from or ineligible for participation under federal assistance programs.

The contractor will provide certification that commercial general liability insurance coverage (\$1,000,000 per occurrence) for bodily and personal injuries or for property damage as well as Workers Compensation Insurance as in accordance with the California Labor Code are obtained and are in full force.

The District reserves the right to reject any and all quotations, and to make no awards.

SUBMITTAL INSTRUCTIONS

A contractor who submits a quotation in response to this RFQ must adhere to the following instructions:

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1. The deadline for submitting quotations is 5:00 PM on Monday, March 2, 2020. Quotations received after this time and date will not be accepted.
2. Quotations are to be mailed to the following address:

San Joaquin Valley Unified Air Pollution Control District
Attn: Stephen Shaw
Senior Air Quality Specialist
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
3. The envelope should be marked with title “Quotation for Analysis of Non-Methane Organic Carbons, including Carbonyls.”
4. Include five (5) hard copies and one (1) electronic copy of the quotation.

MINIMUM ELIGIBILITY REQUIREMENTS

Contractors must meet the following minimum eligibility requirements:

1. Successful completion of PAMS analyses for a public agency within the last 3 years.²
2. Possess demonstrated ability to create and upload AQS data files within the last 3 years. Provide copies of appropriate AQS load reports.
3. Completion of Attachment A (Itemized Cost List).

QUOTATION REQUIREMENTS

At a minimum, submitted quotations are to individually address the above ‘Minimum Eligibility Requirements’ and number 2 (two) through 8 (eight) of the below ‘Quotation Requirements:’

1. Not exceed 20 pages in length (including cover letter and reference material) and pages must be numbered.
2. Describe previous experience in the documentation and analysis of PAMS canisters.²

²Updated 2/7/2020

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3. Provide evidence that your laboratory can sample from and clean two liter (2L) ceramic-coated (Silonite™) stainless steel canisters with “quick release true seal valves.”
4. Provide qualifications of contractor staff who will be assigned to this project, and describe the role of each assigned staff member to be used in the project.
5. Generally describe the process that the contractor will use in the analyses of the samples.
6. Describe previous experience with AQS, including uploading data into AQS, and including a report from AQS of data that was uploaded by your respondent from the last three (3) years.
7. Include a price quote on Attachment A (Itemized Cost List) for the analysis of an Audit Sample or Performance Evaluation that the District may request.
8. It is not anticipated that any repairs will be required this year. Please provide an hourly labor rate for repairs.

GENERAL PROJECT GUIDELINES

The following is a description of the general project guidelines, requirements, and responsibilities that both the District and contractor will hold during the life of the project:

1. At any time the District may require that the contractor successfully complete an analysis of an Audit Sample or Performance Evaluation in order for the District to evaluate the performance of the lab.
2. In 2020, there are approximately **520** samples sent to the contractor for analysis. Sampling will be conducted during the months of June, July and August of 2020.
3. The contractor shall perform NMOC analysis using the 1998 USEPA PAMS Technical Assistance Document (TAD), EPA method TO-15, or other methods as appropriate for PAMS analysis in accordance with EPA’s AQS database requirements, for the list of chemicals found in Attachment B (except for acetaldehyde, acetone, and formaldehyde).³
4. The District will supply the Entech two liter (2L) inert ceramic-coated (Silonite™) stainless steel canisters.
5. The District will supply the shipping containers. The contractor will supply the Chain of Custody Forms (COC). The District can provide a COC form at the request of the contractor.

³ Updated 2/7/2020

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6. Analyzed, cleaned and certified canisters shall be in the District's possession within 11 days of the contractor receiving them. All canisters are to be shipped via UPS ground shipping. If canister shipments need to be expedited, then the contractor is responsible for any additional cost. The contractor will contact and coordinate with the District with regards to shipping locations and addresses (Fresno and Bakersfield). The contractor is responsible for all record keeping regarding the shipping of canisters to the individual District locations, recording the number of canisters being sent to each location, and the shipment's date. The District is responsible for all shipping costs of canisters (including audit samples) sent to the District and/or returned to the contractor for this job. The contractor shall be responsible for the shipping cost of canisters that are returned to the District with unacceptable conditions, such as less than -20 PSI of vacuum, missing parts, and etc. The certification tag shall include a check list for these items.
7. The District may ask the contractor make repairs.
8. The contractor is responsible for all record keeping and shipping costs of other materials being sent to the District and/or the audit laboratory for this project. The District is responsible for recording keeping and shipping costs to return the above mentioned materials (other than canisters) to the contractor.
9. Payment schedule:
 - a. Since this is a short term contract, the District prefers invoicing when all the work is completed to the satisfaction of the District. Upon receiving the invoice, the District will compare what was uploaded to AQS with the documentation provided by the contractor and insure that all of the contract requirements are met. Once everything is verified, the contractor will send a single invoice to the District and payment will be made.
10. The contractor shall retain and archive a copy of all paper and electronic records of this project for a minimum of 3 (three) years. The archived records will include any documentation pertaining to the analysis and reduction of raw and processed data, including calibrations, samples and run sequences. In the case where there is a need of clarification or investigation of the reported data, the contractor will provide any and all necessary information as requested so that the entire analysis can be reconstructed.
11. The contractor will be available by phone to discuss issues related to this project on the same business day that the District places the call with the contractor. The contractor shall notify the District immediately upon the discovery of any irregularities during the course of the project.
12. It is understood by the Contractor that time is of the essence in the performance of this project.

13. Since this Agreement exceeds Ten Thousand Dollars (\$10,000), the contractor will be subject to examination and audit of the auditor general for a period of 3 (three) years after final payment under contract.

QUALITY CONTROL REQUIREMENTS

The following procedures will be employed to ensure the quality of the project and the resulting data:

1. The contractor is to provide their own certified Reference Gas Cylinder for calibration standard purposes. The gas cylinder must include the compounds appropriate for compounds listed in Attachment B. These gases must be traceable to a National Institute of Standards and Technology (NIST) standard.⁴
2. Samples shall be promptly analyzed to prevent degradation of the hydrocarbon species, and to facilitate timely return of the canisters to the District. Analyzed, cleaned and certified canisters shall be returned and be in the District's possession within 11 days of the contractor receiving them. All canisters are to be shipped via UPS ground shipping. If canister shipments need to be expedited, then the contractor is responsible for any additional cost.
3. The contractor will analyze contents of only the valid samples as identified in District 'Chain of Custody' (COC) forms. The contractor will not analyze contents of invalid samples. For invalid samples, the contractor will prepare, clean, and certify canisters for subsequent sampling. The contractor will appropriately document missing samples.
4. Upon completion of analysis, the contractor will evacuate, clean, and certify each canister for future sampling and analysis before returning it to the District. Preparation shall include cleaning the canister, vacuum verification of -30 PSI and leak testing. Canisters received with a vacuum level between -30 PSI and -20 PSI will be considered acceptable and ready for use. Canisters received with less than -19.9 PSI (truncated) may be returned to the contractor for cleaning and certifying if no leaks or other issues are found. If the canister has a leak the District will work with the contractor or the manufacture to repair the leak. In some instances the District will repair the canister. In addition, the contractor will clean all 200 canisters prior to the start of the sampling period. This is a onetime task since all of the canisters are new.
5. The contractor will analyze and include in the reports one (1) clean and certified canister per day as a part of the quality control certification process. Another report is to include the number of canisters passed and failed with regards to the total number of canisters that went through the certification process.

⁴ Updated 2/7/2020

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6. The contractor will provide written documentation indicating the methodology used for analytical instrument calibration, analysis and quality control/assurance. Copies of all related paperwork used to conduct data analysis such as chromatograms, instrument calibrations, etc., shall be supplied to the District in an electronic form (DVD, Flash Drive, Compact Disc, etc.)
7. At no additional cost, the contractor will analyze for audit purposes, any canister(s) sent to the contractor by a CARB, USEPA and/or EPA approved National Air Toxics Trend Stations (NATTS) Laboratory designated by the District. The contractor shall provide copies of these audit results to the District. The results shall include all pertinent information regarding calibration reports and standard certificates.

DATA REQUIREMENTS

The following is a list of requirements for the collection and reporting of the data involved in this project:

1. The contractor will only upload data to AQS for the compounds in Attachment B as 'Reported Data' except for acetaldehyde, acetone, and formaldehyde. Additional compounds that the District is interested in will be reported directly to the District and not uploaded to AQS. A summary report will need to be created for these compounds.
2. Laboratory equipment must be capable of detecting and measuring levels of VOCs as low as one (1) Parts Per Billion carbon (PPBc) but reporting all detection levels.
3. Reported data is to meet Level IV criteria according to current EPA guidelines.
4. Data is to be reported to the District in both Parts Per Billion carbon (PPBc) and Parts Per Billion volume (PPBv).
5. The data formatted and uploaded to the AQS database is to utilize PPBc.
6. All measured values are to be reported. Any data below the Practical Quantification Limit (PQL) will be reported and flagged with "LJ". All non-detectable data will be reported as zero and flagged with "ND". Other Qualifier Codes can be used if necessary.
7. The contractor will submit monthly e-mails summarizing the analyzed data during the course of the project.
8. The contractor's monthly data files and reports will provide the resulting data on a single CD, DVD, or flash drive :

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- a. The CD, DVD, or flash drive shall have a subdirectory dedicated to each site's files labeled with the site's name and AIRSCODE. Each site will have monthly subdirectories containing all of the relevant files for that month as described elsewhere in this RFQ.
 - b. EPA Quality Control Reports: 'Load Report', 'Statistical Evaluation and Critical Review Report' and the 'Raw Data Inventory Report' shall be also recorded on the same CD, DVD, or flash drive used above.
 - c. This CD, DVD, or flash drive will be sent to the District after all the data is uploaded into AQS.
9. All laboratory activities and completed data file uploaded reports (to include passage of EPA Quality Control Reports) are to be submitted to the District and AQS by **no later than November 30, 2020.**

EVALUATION OF RESPONSES TO THIS RFQ

Each response to this RFQ will be evaluated with particular emphasis on how well the respondent complies with the information requested in this RFQ, experience in PAMS analysis⁵, experience in uploading to EPA's AIRS system, and cost for services as shown on Attachment A. Not providing all of the information requested in this RFQ will lower the overall score and may be grounds to disqualify the response from further review. The District will calculate the cost of postage to and from your laboratory using UPS ground shipping. This postage cost will be included in the evaluation of your proposal.

INQUIRIES

Technical and administrative questions concerning this RFQ should be directed to Stephen Shaw, Senior Air Quality Specialist, San Joaquin Valley Unified Air Pollution Control District at steve.shaw@valleyair.org or (559) 230-6000. An editable copy of Attachment A (Itemized Cost List) is available on request.

⁵ Updated 2/7/2020

Attachment A
Itemized Cost List

Itemized Cost List for 2020 PAMS NMOC

Show costs on the following table.

Costs	Costs
Cost per analysis of each valid sample.	
Cost per canister for evacuation, cleaning, and certification.	
Cost of audit sample or performance evaluation.	
Cost per canister for file creation and uploading data into AQS.	
Cost of reporting one (1) missing or invalid sample (canisters not eligible for analysis).	

Attachment B

PAMS Compounds