

## AQRP Monthly Technical Report

<b>PROJECT TITLE</b>	Texarkana Intensive Campaign	<b>PROJECT #</b>	24-007
<b>PROJECT PARTICIPANTS</b>	University of Houston, Baylor University, Aerodyne Research	<b>DATE SUBMITTED</b>	05/9/2025
<b>REPORTING PERIOD</b>	<b>From:</b> 04/01/2025 <b>To:</b> 04/30/2025	<b>REPORT #</b>	9

A Financial Status Report (FSR) and Invoice will be submitted separately from each of the Project Participants reflecting charges for this Reporting Period. I understand that the FSR and Invoice are due to the AQRP by the 15<sup>th</sup> of the month following the reporting period shown above.

### Detailed Accomplishments by Task for reporting period

- The University of Houston (UH) data processing was finalized.
- Full budgets were set up by the UH Department of Research.
- Aerodyne completed GPS and wind vector time series plots for their smaller mobile lab (minAML).
- Aerodyne began processing and quality assuring the gas phase of the Chemical ionization mass spectrometer (Vocus CI-TOF) data for the entire campaign.

### Data Collected

Raw data that was collected during the intensive campaign will be processed into final data.

### Identify Any Problems or Issues Encountered and Proposed Solutions or Adjustments

No major problems.

### Goals and Anticipated Issues for the Succeeding Reporting Period

- Share data with the field team and hold discussions for analysis and reporting plans.
- Continue to process the gas phase Vocus CI-ToF data for the entire campaign.
- Begin to process, analyze, and quality assure the gas chromatograph (GC-Vocus).

### Detailed Analysis of the Progress of the Task Order to Date

None.

**Do you have any publications related to this project currently under development? If so, please provide a working title, and the journals you plan to submit to.**

Yes       No

**Do you have any publications related to this project currently under review by a journal? If so, what is the working title and the journal name? Have you sent a copy of the article to your AQRP Project Manager and your TCEQ Liaison?**

Yes       No

**Do you have any bibliographic publications (ie: publications that cite the project) related to this project that have been published? If so, please list the reference information. List all items for the lifetime of the project.**

Yes       No

**Do you have any presentations related to this project currently under development? If so, please provide working title, and the conference you plan to present it (this does not include presentations for the AQRP Workshop).**

Yes       No

**Do you have any presentations related to this project that have been published? If so, please list reference information. List all items for the lifetime of the project.**

Yes       No

**Have any personnel changes occurred that were not listed in the original proposal? If so, please include a detailed description of the personnel change(s) below.**

Yes       No

**Are any delays expected in the progress of the research? If so, please include a detailed description of the potential delay below.**

Yes       No

**Describe any possible concerns/issues (technical or non-technical) that AQRP should be made aware of.**

N/A

**Are you anticipating using all the available funds allocated to this project by the end date? If not, why and approximately what is the amount to be returned?**

Yes       No

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Submitted to AQRP by  
James Flynn