

AQRP Monthly Technical Report

PROJECT TITLE	Texarkana Intensive Campaign	PROJECT #	24-007
PROJECT PARTICIPANTS	University of Houston, Baylor University, Aerodyne Research	DATE SUBMITTED	06/10/2025
REPORTING PERIOD	From: 05/01/2025 To: 05/31/2025	REPORT #	10

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 15th of the month following the reporting period shown above.

Detailed Accomplishments by Task for reporting period

- Shared data with the field team, and discussions were held to plan analysis and reporting.
- Vocus CI-ToF data for the entire campaign has been processed, and time traces for all ions of interest have been developed. Quality assurance was performed to remove calibration, filter, or otherwise non-sample gas chromatograph (GC) data. GC Vocus data still needs to be completely processed, including quality assurance.
- Raw trace gas and meteorological data collected during the intensive campaign was quality assured/quality checked (QA\QC) by the University of Houston team.

Data Collected

- Final trace gas and meteorological data was delivered to the field team on May 28th, 2025, to begin analysis tasks.

Identify Any Problems or Issues Encountered and Proposed Solutions or Adjustments

No major problems.

Goals and Anticipated Issues for the Succeeding Reporting Period

- Collaborate with the full project team for data analysis.
- Identify case days for more detailed analysis.
- Begin writing the Draft Final report.

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

Submitted to AQRP by
James Flynn