

NTC Regional Air Monitoring Program

POA 582-22-30598-001 | FY24/FY25-06A | Final Report

I. SUMMARY

Under the *Direct Award Grant 582-22-30144* (DAG) and its amendments, the Texas Commission on Environmental Quality (TCEQ) authorized NTC to implement a regional air monitoring program in TCEQ Regions 3 and 4, as set forth by SB 527 (82R). On September 1, 2023, NTC commenced work on *Plan of Activities 582-22-30598-001-FY24/FY25-06A for TCEQ Project Number 582-22-30598-001*, operating and reporting data from the network's 21 air quality monitoring stations. Total cost to implement the POA was \$5,875,654.28. Annually, the network measures over 4,000,000 individual VOC concentrations. No validated samples exceeded either short-term or long-term associated levels of concern. After the conclusion of POA 582-22-30598-001-FY24/FY25-06A on August 31, 2025, NTC will continue implementation of the regional air monitoring program under POA 582-26-00136 FY26/FY27-07.

II. BACKGROUND

During the 82nd Session of the Texas Legislature (2011), the Legislature passed SB 527 to establish a regional air quality monitoring program in TCEQ Regions 3 and 4, a 49-county area encompassing the DFW Metroplex, Abilene, and Wichita Falls. The bill amended state law regarding the allocation Texas Emissions Reduction Plan (TERP) funds described in Sec. 386.051(b)(6) and Sec. 386.252(a)(5) of the Health and Safety Code to read as follows:

[...] (5) not more than \$7 million shall be allocated in 2012 and 2013 and not more than \$3 million shall be allocated in 2014 and in subsequent years to fund a regional air monitoring program in commission Regions 3 and 4 to be implemented under the commission's oversight, including direction regarding the type, number, location, and operation of, and data validation practices for, monitors funded by the program through a regional nonprofit entity located in North Texas having representation from counties, municipalities, higher education institutions, and private sector interests across the area [...]

Following passage of the law and investigation by the Texas Commission on Environmental Quality (TCEQ), the North Texas Commission (NTC) was selected as the only entity eligible to implement the program work according to the stipulations set forth in the law.

In 2012, NTC entered into a series of agreements with the TCEQ to fulfill the implementation of the Regional Air Monitoring Program, culminating with *Direct Award Grant 582-12-23420* (DAG). Executed on August 31, 2012, DAG (and its various amendments) authorize NTC to implement a regional air monitoring program in TCEQ Regions 3 and 4, as set forth by SB 527. DAG authorized the NTC to conduct four types of work:

- 1) Review and evaluate current monitoring network in TCEQ Regions 3 and 4
- 2) Deploy, operate, and report data from new air monitoring sites
- 3) Data evaluation and communication

4) Other activities related to the Regional Air Monitoring Program

As set forth by DAG, in August 2012 NTC initiated a RFP process to select a vendor to implement the Regional Air Monitoring Program. After evaluating the three submitted proposals, on September 24, 2012 NTC's Selection Committee found URS Corp.'s proposal to be the most qualified and most cost-effective, and URS was unanimously selected to be awarded the contract.¹

As required by DAG, before conducting any work related to Regional Air Monitoring Program, NTC creates a Plan of Activities (POA) which describes all aspects of the project, including: project manager and key personnel, timeline for implementation, budget, technical approach/method, models and software to be used, grant activities, schedule of progress reports, and miscellaneous information. Upon approval by TCEQ, NTC may then commence work on activities described within the POA.

Since commencement of DAG in 2012, NTC has conducted work under six POAs:

- **POA 582-12-23420-FY13-01**

Timeframe: October 26, 2012 – January 31, 2014

Major activities: Constructed and operated 17 air monitors.

Findings: No exceedances of either short-term or long-term AMCVs.

Total cost of implementation: \$3,489,444.94

- **POA 582-12-23420-FY14-02:**

Timeframe: February 1, 2014 – August 31, 2015

Major activities: Continued operation of 17 original monitors; took over operation of 4 existing monitors, bringing total number of monitors in NTC's network to 21.

Findings: No exceedances of either short-term or long-term AMCVs.

Total cost of implementation: \$4,175,667.92

- **POA 582-16-56277-03-FY16/FY17-03:**

Timeframe: September 1, 2015 – September 30, 2017

Major activities: Continued operation of 21 air monitors.

Findings: No exceedances of either short-term or long-term AMCVs.

Total cost of implementation: \$5,694,224.30

- **POA 582-18-80730-01-FY18/FY19-04:**

Timeframe: October 1, 2017 – August 31, 2019

Major activities: Continued operation of 21 air monitors.

Findings: No exceedances of either short-term or long-term AMCVs.

Total cost of implementation: \$4,853,711.99

- **POA 582-18-80730-01-FY20/FY21-05:**

¹ On October 20, 2014, URS Corp. merged with AECOM, and changed its official name to "AECOM." For the remainder of this document, we will refer to URS Corp. as "AECOM."

Timeframe: September 1, 2019 – August 31, 2021

Major activities: Continued operation of 21 air monitors.

Findings: No exceedances of either short-term or long-term AMCVs.

Total cost of implementation: \$5,996,259.11

- **POA 582-22-30598-001-FY22/FY23-06:**

Timeframe: September 1, 2021 – August 31, 2023

Major activities: Continued operation of 21 air monitors.

Findings: No exceedances of either short-term or long-term AMCVs.

Total cost of implementation: \$5,473,455.06

- **POA 582-22-30598-001-FY24/FY25-06A:**

Timeframe: September 1, 2023 – August 31, 2025

Major activities: Continued operation of 21 air monitors.

Findings: No exceedances of either short-term or long-term AMCVs.

Total cost of implementation: \$5,875,654.28.

For each POA, NTC has prepared a “Final Report” which summarizes all activities performed under the respective POA.

III. SUMMARY OF WORK

On April 28, 2023, TCEQ issued “Approval to Prepare Plan of Activities” (APPOA) for the Continued Implementation of SB527 Monitoring Program in FY24/FY25, with a maximum possible funding amount of \$6,000,000.00. Upon receipt of the APPOA, NTC commenced work preparing a Plan of Activities (POA) and submitted the POA for approval on May 22, 2023. TCEQ issued “Approval to Commence Grant Activities” on May 25, 2023. The initial period of authorized work under the POA was from September 1, 2023 through August 31, 2025, with a total budget of \$6,000,000.00.

On September 1, 2023, NTC commenced work on *Plan of Activities 582-22-30598-001-FY24/25-06A*. Under this POA, TCEQ authorized NTC to conduct four tasks:

- Task 1** Operate, report data, and maintain TCEQ approved air monitors throughout Regions 3 and 4
- Task 2** Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4
- Task 3** Respond to Monitoring Issues
- Task 4** Reporting/Availability for Questions

Monitor Locations

NTC maintained a network of 21 air monitoring stations located in TCEQ Regions 3 and 4.

Table III-1: List of Monitoring Stations

Site Name	Equipment			Date Active	Site ID	County	TCEQ Region
	AutoGC	VOC Canister	Met.				
<i>Abilene 1939 Industrial Blvd.</i>		X	X	12/18/2013	484411509	Taylor	3
<i>Arlington UT Campus</i>	X		X	9/20/2012	484391018	Tarrant	4
<i>Bowie Patterson Street</i>		X	X	10/01/2013	483371507	Montague	3
<i>Dallas Elm Fork</i>	X		X	11/18/2013	481131505	Dallas	4
<i>Decatur Thompson</i>	X		X	6/5/2013	484970088	Wise	4
<i>DISH Airfield</i>	X		X	5/8/2013	481211013	Wise	4
<i>Eagle Mountain Lake</i>	X			4/8/2013	484390075	Tarrant	4
<i>Everman Johnson Park</i>	X		X	5/8/2013	484391009	Tarrant	4
<i>Flower Mound Shiloh</i>	X		X	5/8/2013	481211007	Denton	4
<i>Ft. Worth Benbrook Lake</i>	X		X	10/1/2013	484391503	Tarrant	4
<i>Gainesville Doss St.</i>		X	X	10/1/2013	480971504	Cooke	4
<i>Godley FM 2331</i>		X	X	7/13/2013	482511501	Johnson	4
<i>Joe B Rushing Rd.</i>	X		X	4/1/2014	484391065	Tarrant	4
<i>Keller</i>		X		7/14/2013	484392003	Tarrant	4
<i>Kennedale Treepoint Dr.</i>	X		X	4/1/2014	484391062	Tarrant	4
<i>Lancaster Cedardale</i>	X		X	9/1/2013	481131500	Dallas	4
<i>Mansfield Flying L Ln.</i>	X		X	4/1/2014	482511063	Johnson	4
<i>Mineral Wells 23rd Street</i>		X	X	8/21/2013	483631502	Palo Pinto	4
<i>Rhome Seven Hills Rd.</i>	X		X	4/1/2014	484971064	Wise	4
<i>Weatherford Tin Top Road</i>		X	X	10/13/2013	483671506	Parker	4
<i>Wichita Falls MWSU</i>		X	X	12/19/2013	484851508	Wichita	3

Implementation of Work

[NOTE: Complete details of NTC's work on the POA FY24/FY25-06A is available in the Monthly Progress Reports, included in Exhibit B to this report.]

Following receipt of the Approval to Commence Grant Activities, NTC and its vendor AECOM continued work on the Regional Air Monitoring Program. Below is a summary of activities in each of the four tasks described above:

Task 1 – Operate, report data, and maintain TCEQ approved air monitors throughout Regions 3 and 4

Throughout the period of authorized work, NTC continued to successfully operate, report data, and maintain the Regional Air Monitor Program. Day-to-day activities included:

- *Monitoring equipment and procedures:* The Regional Air Monitoring Program utilizes two types of monitors; VOC canisters and automated gas chromatographs (“AutoGCs”). Canister stations measure 85 different types of VOCs and sample the air for one 24-hour period every six days. The samples are collected by a technician once every two weeks for off-site laboratory analysis. AutoGC units measure 49 different types of VOCs and take one 5-minute sample every hour, 7-days a week, 365 days a year. The samples are automatically analyzed onsite. Both types of monitors take standard meteorological measurements including wind speed, direction, and humidity, utilizing a 30-ft met tower. After analysis and verification, the data generated by the monitors is made publicly available on the TCEQ’s website. AECOM uses two primary vendors to support its monitoring activities; Orsat LLC manages all AutoGCs stations, and GD Air provides analysis for samples from canister sites.

During the period of authorized work between September 1, 2023 and August 31, 2025, TCEQ, NTC, and AECOM and subcontractors Orsat and GD Air, annually reviewed the QAPP for the program. No changes were required since Revision 5 of December 2021.

- *Oversight of contract management and execution:* As noted elsewhere in this report, NTC contracted with AECOM to undertake the operation and maintenance of the Regional Air Monitoring Program. Specific contract management and execution tasks included:
 - Conference calls with AECOM and its subcontractors every two weeks, as well as direct communication with key personnel from AECOM and its subcontractors on an as-needed basis.
 - Issuance of Work Orders, Notices to Proceed, and Amendments, including consideration for out-of-scope work (such as installation of new driveways), repairs to non-monitoring equipment (such as fences), and purchase of new replacement equipment (such as meteorological gear).
 - Site inspections of individual monitoring stations.
 - Review and approval of QAPP.
- Liaising with community stakeholders about project and its findings. Specific activities included:
 - Throughout the period of authorized work, NTC has provided information about the project and its findings with various groups to include the, NTC Finance & Audit Committee, NTC Executive Committee, NTC Board of Directors, and others.
- Managing billing, invoices, and other accounting needs. Specific activities included:

- In December 2023 and December 2024 NTC underwent annual financial audits, conducted by Weaver . Both reports found that the NTC complied in all material aspects with the types of compliance requirements described in the Uniform Grant Management Standards issued by the Governor’s Office of Budget and Planning.
- Updating equipment inventory logs.
- Facilitate communication between NTC, AECOM, and TCEQ. Specific activities included:
 - Every two weeks conference call with all parties to discuss program.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4

NTC decommissioned and relocated air monitors during the period of authorized work.

In January 2025, the City of Decatur informed us that the elevated storage tank located at 301 E Thompson Street, Decatur, TX 76234 — which housed the monitor station — had been decommissioned. They requested that we relocate the station to a new site at 190 E Thompson Street, Decatur, TX 76234. The relocation was completed in July 2025.

- Many of the initial site access agreements’ terms concluded during the POA’s period of authorized work. NTC and TCEQ renewed the following site access agreements:
 - Abilene 1939 Industrial Blvd – Auto Renewed on April 11, 2024, authorizing access until April 11, 2029.
 - Weatherford Tin Top Road.– Auto renewed on December 17, 2024, authorizing access until December 17, 2029.
 - Mansfield Flying L Ln.- Auto renewed on January 16, 2025, authorizing access until January 16, 2030
 - Dallas Elm Fork.-Renewed on February 1, 2025 authorizing access until February 1, 2026

Task 3 – Respond to Monitoring Issues

On infrequent occasion, certain critical issues relating to the monitoring network arise, such as high readings, extreme weather events, or unscheduled maintenance. All AutoGC monitors within the system are equipped with an alert system that notifies operators of “trigger” readings above certain thresholds via email. Results from VOC canisters are reviewed monthly.

- All of the monitors have undergone routine and preventative maintenance.

Task 4 – Reporting/Availability for Questions

Throughout POA FY24/FY25-06A, NTC has submitted monthly progress reports detailing all work conducted (available in full as “Exhibit B: Monthly Progress Reports”) and has been available for questions from TCEQ.

Table III-2: Timeline of Events for POA 582-22-30598-001-FY24/FY25-06A

Date	Description
April 28, 2023	TCEQ issues <i>Approval to Prepare Plan of Activities</i> to NTC
May 22, 2023	NTC submits POA FY24/FY25-06A for approval to TCEQ
May 25, 2023	TCEQ issues <i>Approval to Commence Grant Activities</i> to NTC for Project No. 582-22-30598-001 for POA FY24/FY25-06A
July 25, 2023	NTC issues <i>Work Authorization No. 5</i> to AECOM, requesting AECOM to prepare a Work Plan
Aug 18, 2023	AECOM submits <i>Plan of Activities – Implementation of SB527 Monitoring Program</i> to NTC for approval
Aug. 22, 2023	NTC issues <i>Notice to Proceed</i> to AECOM
Sept. 1, 2023	NTC commences work on POA FY24/FY25-06A for NTC on Project No. 582-22-30598-001
Jan. 4, 2024	NTC issues Addendum 1 <i>Notice to Proceed</i> to AECOM (<i>Increase Auto GC sites by 3%</i>)
Apr. 11, 2024	Lease renewal Abeline
June 4, 2024	NTC issues Addendum 2 <i>Notice to Proceed</i> to AECOM (<i>Replace 2 Auto GC system and replacement parts in the NTC Network</i>)
Dec. 17, 2024	Lease renewal Weatherford
Jan. 16, 2025	Lease renewal Mansfield
Feb. 24, 2025	New Lease of Dallas Elm Fork
May 13, 2025	NTC issues Addendum 3 <i>Notice to Proceed</i> to AECOM (<i>Site Relocation, site repair and replacement parts in the NTC Network</i>)
May 14, 2025	NTC issues Draft Final Report
July 30, 2025	Decatur site moved to new location
Aug 29, 2025	NTC issues Release of Claims for \$124,345.72 to be returned to TCEQ
Aug 29, 2025	NTC issues Final Report

POA FY24/FY25-06A Budget Evaluation

The maximum possible amount of funds available for implementation of *POA FY24/FY25-06A* was \$6,000,000.00. The actual expense for implementing *POA FY24/FY25-06A* through August 31, 2025 was \$5,875,654.28. The difference between the maximum possible amount of funds available and the actual expended for the project totaled \$124,345.72 which will be returned to TCEQ.

IV. KEY FINDINGS

AECOM has provided a “Summary of Results” report of the NTC Regional Air Monitoring Program for September 2023 through June 2025. In general, they find the network to be highly functioning, and capable of yielding high-quality data:

Throughout the NTC network (canister and AutoGC) the two sampling methods exhibited good correlation. Furthermore, compound concentrations across the network were generally homogenous. (AECOM, pp. ES-1)

Slight seasonal trends are apparent as the winter months have relatively higher concentrations, which is likely due to the more stable atmospheric conditions during winter months that minimize the transportation or dispersion of VOCs (AECOM, pp. ES-1).

Furthermore, they find “short-term and long-term compound concentrations across the network were well below the associated levels of concern” and conclude that “the measured concentrations are acceptable throughout the NTC network and not a threat to human health” (AECOM, pp. ES-1). Below are two summary tables of compound concentrations measured against short-term and long-term AMCVs for seven key compounds studied by the network:

Table IV-1: Summary of Compound Concentrations vs. Short-Term AMCVs

Compound	Highest AutoGC 1-hr Concentration (ppbV)	Highest Canister 24-hr Concentration (ppbV)¹	Short-term AMCV (ppbV)
<i>Ethane</i>	1711.9	141.4	--
<i>Propane</i>	770.6	78.3	--
<i>Pentane</i>	61.6	6.6	68,000
<i>Benzene</i>	6.7	4.8	180
<i>Toluene</i>	147.3	2.8	4,000
<i>Ethylbenzene</i>	4.8	16.4	20,000
<i>M&P-Xylene</i>	21.4	60.3	1,700

¹ *Short-term data but not directly comparable to the 1-hr AMCVs*

Table IV-2: Summary of Compound Concentrations vs. Long-Term AMCVs

Compound	Average Canister 24-hr Concentration (ppbV)	Long-term AMCV (ppbV)
<i>Ethane</i>	11.6	--
<i>Propane</i>	6.5	--
<i>Pentane</i>	0.8	8,100
<i>Benzene</i>	0.2	1.4
<i>Toluene</i>	0.2	1,100
<i>Ethylbenzene</i>	0.04*	440
<i>M&P-Xylene</i>	0.1	140

*Less than detection limit

Please see the full AECOM “Summary of Results” report for complete findings, including monthly summary reports for September 2023 through June 2025 (latest available validated data).

IV. CONCLUSION

As detailed above, the North Texas Commission successfully implemented all aspects of the Regional Air Monitoring Program, as specified in POA FY24/FY25-06A. We look forward to continuing implementation of the project under POA FY26/FY27-07.

EXHIBIT A:
SUMMARY OF AIR QUALITY DATA

North Texas Commission Ambient Air and Meteorological Monitoring Network

Summary of Results
September 2023 - June 2025

North Texas Commission

August 2025

Quality information

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Executive Summary

The North Texas Commission (NTC) Air Monitoring Network consists of twenty-one monitoring sites: eight canister sampling sites and thirteen automated gas chromatograph (AutoGC) sites. Meteorological parameters are measured at nineteen of these sites. This report follows the reports dated October 2023, December 2021, December 2019, October 2017, and August 2015.

The purpose of the network is to measure concentrations of volatile organic hydrocarbon compounds (VOCs) that may negatively affect local air quality. The Texas Emissions Reduction Plan (TERP) was created in 2001 with the goal of assuring that the air in Texas is safe to breathe and meets the federal Clean Air Act's standards. The NTC network helps progress towards this goal by establishing an air monitoring network that provides data about the quality of the air in the Texas Commission on Environmental Quality (TCEQ) Regions 3 and 4. Monitoring began in 2013.

Network monitoring includes both continuous monitoring using on-site instruments and periodic sample collection for analysis in an off-site analytical laboratory. The thirteen AutoGC monitors operate on a continuous 24-hour schedule to determine hourly ambient concentrations of 48 VOCs, including both aliphatic and aromatic petroleum hydrocarbons. Canister samples are collected every sixth day from midnight to midnight following the current United States Environmental Protection Agency (U.S. EPA) sampling schedule. Canister sampling provides a 24-hour average concentration for 84 target compounds. These target compounds include many of the same petroleum hydrocarbons as the AutoGC monitors but additionally include various chlorinated hydrocarbons and chlorofluorocarbons. Meteorological parameters measured include wind speed, wind direction, and ambient temperature.

Throughout the NTC network (canister and AutoGC), the two sampling methods exhibit good correlation. Furthermore, compound concentrations across the network are generally homogenous. Slight seasonal trends are apparent as the winter months have relatively higher concentrations, which is likely due to the more stable atmospheric conditions during winter months that can minimize dispersion of pollutants.

The TCEQ has designated air monitoring comparison values (AMCVs) for a range of VOCs. AMCVs are screening levels used for evaluating measured levels of common air toxics and are chemical-specific air concentrations set to protect human health and welfare. When compared to the TCEQ AMCVs, short-term and long-term concentrations across the network are well below the associated levels of concern. It can be concluded that the measured concentrations are acceptable throughout the NTC network and are not a threat to human health.

1. Background

The North Texas Commission (NTC) Air Monitoring Network consists of twenty-one monitoring sites: eight canister sampling sites and thirteen automated gas chromatography (AutoGC) sites. Meteorological parameters are measured at nineteen of these sites. The monitoring locations are shown in Figure 1-1 and listed in Table 1-1. The purpose of the network is to measure concentrations of volatile organic hydrocarbon compounds (VOCs) that may negatively affect local air quality.

Since 2011, Dallas/Fort Worth has been classified as a serious non-attainment area based on the National Ambient Air Quality Standard (NAAQS) for ozone. Ozone is a secondary pollutant formed by reactions of NO_x and Volatile Organic Compounds (VOCs) in the air. Due to these concerns along with increased population, transportation activities and energy exploration and production in the area, the NTC air monitoring program was established. The NTC network provides a rich database from which diurnal variations, concentration responses to wind speed and direction, and comparisons to other pollutant concentrations can be explored in TCEQ Regions 3 and 4. Monitoring began in 2013 and was essentially fully operational by the end of that year.

This report covers the period from September 1, 2023 to June 30, 2025. This report follows five previous summary reports submitted to NTC biennially dating back to August 2015.

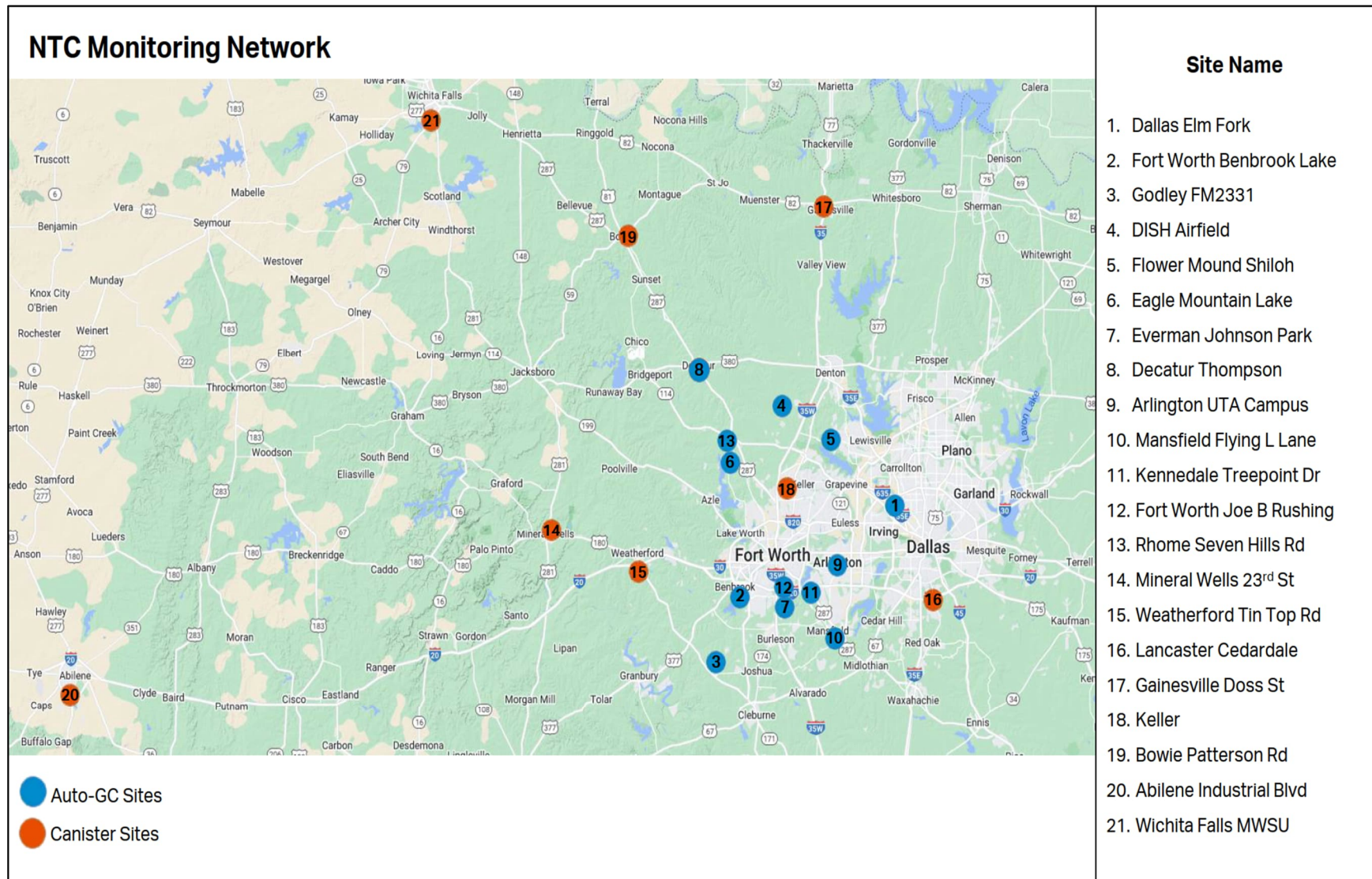


Figure 1-1. Map for the NTC Air Monitoring Network Sites

Table 1-1. Description of NTC Air Monitoring Network Sites

Site Name	Monitoring Equipment			Date Active
	AutoGC	Canister	Met.	
Abilene		X	X	12/18/2013
Benbrook Lake	X		X	10/01/2013
Bowie Patterson		X	X	10/31/2013
Dallas Elm Fork	X		X	11/18/2013
Decatur Thompson	X		X	06/05/2013
DISH Airfield	X		X	05/08/2013
Eagle Mountain Lake	X			04/08/2013
Everman Johnson Park	X		X	05/08/2013
Flower Mound Shiloh	X		X	05/08/2013
Gainesville Doss		X	X	10/01/2013
Godley	X		X	07/13/2013
Joe B. Rushing Road	X		X	04/01/2014
Keller		X		07/14/2013
Kennedale	X		X	04/01/2014
Lancaster Cedardale		X	X	09/01/2013
Mansfield Flying L. Road	X		X	04/01/2014
Mineral Wells		X	X	08/21/2013
Rhome Seven Hills Road	X		X	04/01/2014
UT-Arlington Campus	X		X	09/20/2012
Weatherford		X	X	10/13/2013
Wichita Falls		X	X	12/19/2013

2. Monitoring Approach

Monitoring includes both continuous monitoring using on-site instruments and periodic sample collection for analysis in an off-site analytical laboratory. The thirteen AutoGC monitors operate on a continuous 24-hour schedule to determine hourly ambient concentrations of 48 VOCs. A full list of the 48 target compounds is given in Appendix A, which includes both aliphatic and aromatic petroleum hydrocarbons. Canister samples are collected every sixth day from midnight to midnight following the current United States Environmental Protection Agency (U.S. EPA) sampling schedule¹. Canister sampling provides a 24-hour average concentration for the target compounds listed in Appendix B. The compounds analyzed for the canister samples include many of the same petroleum hydrocarbons as the AutoGC monitors and include various chlorinated hydrocarbons and chlorofluorocarbon. Meteorological data for wind speed, wind direction, and ambient temperature are collected at nineteen of the sites.

VOC analysis of ambient air using the AutoGC systems follows the procedures established in the U.S. EPA Technical Assistance Document for Sampling and Analysis of Ozone Precursors. During each clock hour, the AutoGC system collects ambient air continuously for 40 minutes onto a trap; a sample is considered representative and valid only if the sample collection time includes a minimum of 30 minutes during a single clock hour. This is followed by thermal desorption onto two chromatographic columns for determination of the target VOCs over a 48-minute analytical run. This results in 24 discrete analytical sets per day, two of which are QC samples (calibration verification standard and blank). Additional quality control (QC) samples (retention time standard, calibration verification duplicates, and second-source standards) are run on a weekly basis.

For the Auto GC systems, the method detection limit (MDL) objective is 0.1 ppbv for benzene, 0.3 ppbv for acetylene, ethane, and ethylene, and 0.2 ppbv for propane and all other target compounds. The lighter, more volatile fraction of the air sample is separated on a Porous Layer Open Tubular (PLOT) column. The heavier, less volatile fraction is separated onto a dimethyl polysiloxane (BP1) column. A flame ionization detector (FID) measures the absorbance of each target compound as it is eluted to generate a chromatogram for each column. Each chromatography column separates the components of the air sample based on the distribution equilibrium between the mobile and stationary phases. The separated VOCs are eluted from the column onto the detector, where a signal based on carbon-hydrogen bond response is produced that is proportional to the concentration of the separated compounds. Retention time for each eluted compound is the primary basis for the identification of each compound.

The Nutech 2600-4T Auto Canister Samplers are used to collect samples of ambient air in a 6-liter, evacuated stainless-steel canisters at a controlled flow rate over a 24-hour period. The VOC sampler must operate so that a measured, consistent amount of air sample is drawn into the sample canister over the 24-hour sampling period. Canister samples are considered valid if sample collection occurs for at least 18 hours of the 24-hour sampling period.

Canister samples are sent to GD Air Testing in Plano, TX for laboratory analysis by Gas Chromatography Mass Spectrometry (GC/MS) adhering to the guidance provided in EPA Method TO-15 (sub-atmospheric sampling). The TO-15 GC/MS analysis is run in full-scan mode and results are reported down to the Reporting Limit, which is approximately 1.5 times the lowest calibration standard, or roughly 0.5 ppbv for all target compounds, except ethane and ethylene which use a low calibration standard of 10 ppbv.

¹ <https://www.epa.gov/amtic/sampling-schedule-calendar>

Nineteen of the AutoGC and canister sampling sites include a 10-meter meteorological tower with wind speed, wind direction, and temperature sensors. Data are collected continuously and reported as 5-minute and hourly averages. A wind vane (direction) and an anemometer (speed) are mounted on a crossarm at a height of 10 meters. Ambient temperature is measured with a thermistor probe located in a fan-driven aspirator housing at a height of 2 meters.

3. Results

The NTC Network was originally completed in December 2013, with four additional AutoGC sites incorporated in April 2014. The data presented in this report covers the period from September 1, 2023 to June 30, 2025, unless otherwise noted. The results are summarized below, followed by discussions of spatial and temporal variability and other topics of interest.

3.1 Summary of Key Results

Table 3-1 shows the percent detection, minimum and maximum concentrations, and average concentrations of the compounds analyzed from the samples collected from all eight canister sites. Low molecular-weight compounds generally had the highest frequencies of detection and the highest maximum concentrations.

Table 3-1. Canister Sample Compound Percent Detection, Minimum and Maximum Concentrations, and Average Concentrations

Compound Name ¹	%Det ²	Minimum (ppbv)	Maximum (ppbv)	Average ³ (ppbv)
Propane	100	0.83	78.28	6.5
n-Butane	100	0.3	23.74	2.53
Dichlorodifluoromethane	100	0.24	1.04	0.52
Ethane	100	1.33	141.41	11.63
Ethylene	100	0.3	13.65	1.11
Acetylene	100	0.07	5.76	0.33
Chloromethane	99.9	ND	1.15	0.6
Isopentane	99.9	ND	6.05	1.25
Carbon Tetrachloride	99.9	ND	0.17	0.09
Trichlorofluoromethane	99.9	ND	0.5	0.24
Benzene	99.8	ND	4.78	0.21
Isobutane	99.6	ND	6.99	0.8
n-Pentane	99.4	ND	6.62	0.78
Toluene	99	ND	2.84	0.18
Propylene	96.4	ND	1.58	0.27
1-Butene	92.2	ND	2.47	0.32
Methylene Chloride	90.5	ND	0.52	0.12
3-Methylhexane	90.3	ND	0.67	0.17
Isohexane	86	ND	1.52	0.24
p-Xylene + m-Xylene	80.9	ND	60.32	0.14
3-Methylpentane	71.8	ND	1.05	0.15
Cyclopentane	68	ND	1.19	0.29
Ethylbenzene	67.1	ND	16.42	0.06
n-Hexane	66.6	ND	2.13	0.18
o-Xylene	62.4	ND	15.45	0.06
Methylcyclohexane	57.4	ND	0.64	0.07
n-Heptane	49.3	ND	0.76	0.08

Compound Name ¹	%Det ²	Minimum (ppbv)	Maximum (ppbv)	Average ³ (ppbv)
Isoprene	47.3	ND	1.62	0.22
Chloroform	45.3	ND	0.06	0.04
2,2,4-Trimethylpentane	42.3	ND	0.3	0.05
1,2,4-Trimethylbenzene	41.8	ND	0.32	0.04
Styrene	38.4	ND	0.24	0.04
Isoheptane	33.4	ND	1.02	0.15
Methylcyclopentane	32.7	ND	0.93	0.09
1,2-Dichloroethane	24.4	ND	0.07	0.04
c-2-Hexene	17.3	ND	0.93	0.08
m-Ethyltoluene	16.3	ND	0.12	0.05
n-Octane	14.5	ND	0.21	0.05
1,2,3-Trimethylbenzene	10.2	ND	0.2	0.05
o-Ethyltoluene	9.4	ND	0.16	0.05
Tetrachloroethylene	9.3	ND	0.22	0.05
p-Ethyltoluene	8.2	ND	0.25	0.05
n-Propylbenzene	6.9	ND	0.12	0.05
n-Nonane	5.9	ND	0.1	0.05
n-Decane	5.3	ND	0.09	0.05
t-2-Pentene	4.9	ND	0.33	0.05
2-Methyl-2-Butene	4.5	ND	0.62	0.05
2,4-Dimethylpentane	4.4	ND	0.15	0.05
Neohexane	4.3	ND	0.16	0.05
2-Chloropentane	3.8	ND	0.21	0.05
Cyclohexane	3.7	ND	0.66	0.06
Cumene	3.6	ND	0.1	0.05
3-Methylheptane	3.4	ND	0.11	0.05
1-Pentene	3.2	ND	0.14	0.05
2,3-Dimethylpentane	2.8	ND	0.2	0.05
2-Methylheptane	2.2	ND	0.16	0.05
n-Undecane	2.1	ND	0.09	0.05
2,3,4-Trimethylpentane	2	ND	0.08	0.05
t-2-Butene	1.9	ND	0.42	0.05
1,3,5-Trimethylbenzene	1.9	ND	0.26	0.05
1,3-Butadiene	1.7	ND	0.2	0.05
t-2-Hexene	1.5	ND	0.17	0.05
p-Diethylbenzene	1.3	ND	0.2	0.05
c-2-Butene	1.3	ND	0.49	0.05
c-2-Pentene	1.2	ND	0.16	0.05
2,3-Dimethylbutane	1.1	ND	0.66	0.05
m-Diethylbenzene	1.1	ND	0.18	0.05
Cyclopentene	1	ND	0.2	0.05

Compound Name ¹	%Det ²	Minimum (ppbv)	Maximum (ppbv)	Average ³ (ppbv)
Bromomethane	0.9	ND	0.04	0.05
Chlorobenzene	0.9	ND	0.06	0.05
1,1,2,2-Tetrachloroethane	0.9	ND	0.06	0.05
Trichloroethylene	0.6	ND	0.05	0.05
1,2-Dibromoethane	0.3	ND	0.05	0.05
2-Methyl-1-pentene & 1-Hexene	0.2	ND	0.15	0.05
1,1-Dichloroethane	0.2	ND	0.9	0.05
t-1,3-Dichloropropene	0.1	ND	0.05	0.05
c-1,3-Dichloropropene	0.1	ND	0.05	0.05
4-Methyl-1-Pentene	0.1	ND	0.07	0.05
1,2-Dichloropropane	0.1	ND	0.05	0.05
3-Methyl-1-Butene	0.1	ND	0.05	0.05
1,1-Dichloroethylene	0.1	ND	0.05	0.05
Vinyl Chloride	0.1	ND	0.07	0.05
1,1,2-Trichloroethane	0.1	ND	0.06	0.05
1,1,1-Trichloroethane	0.1	ND	0.05	0.05

ND = Not detected

NC = Not calculated

¹Sites included in statistics: Keller, Mineral Wells, Lancaster Cedardale, Gainesville Doss, Weatherford, Bowie Patterson, Abilene, and Wichita Falls.

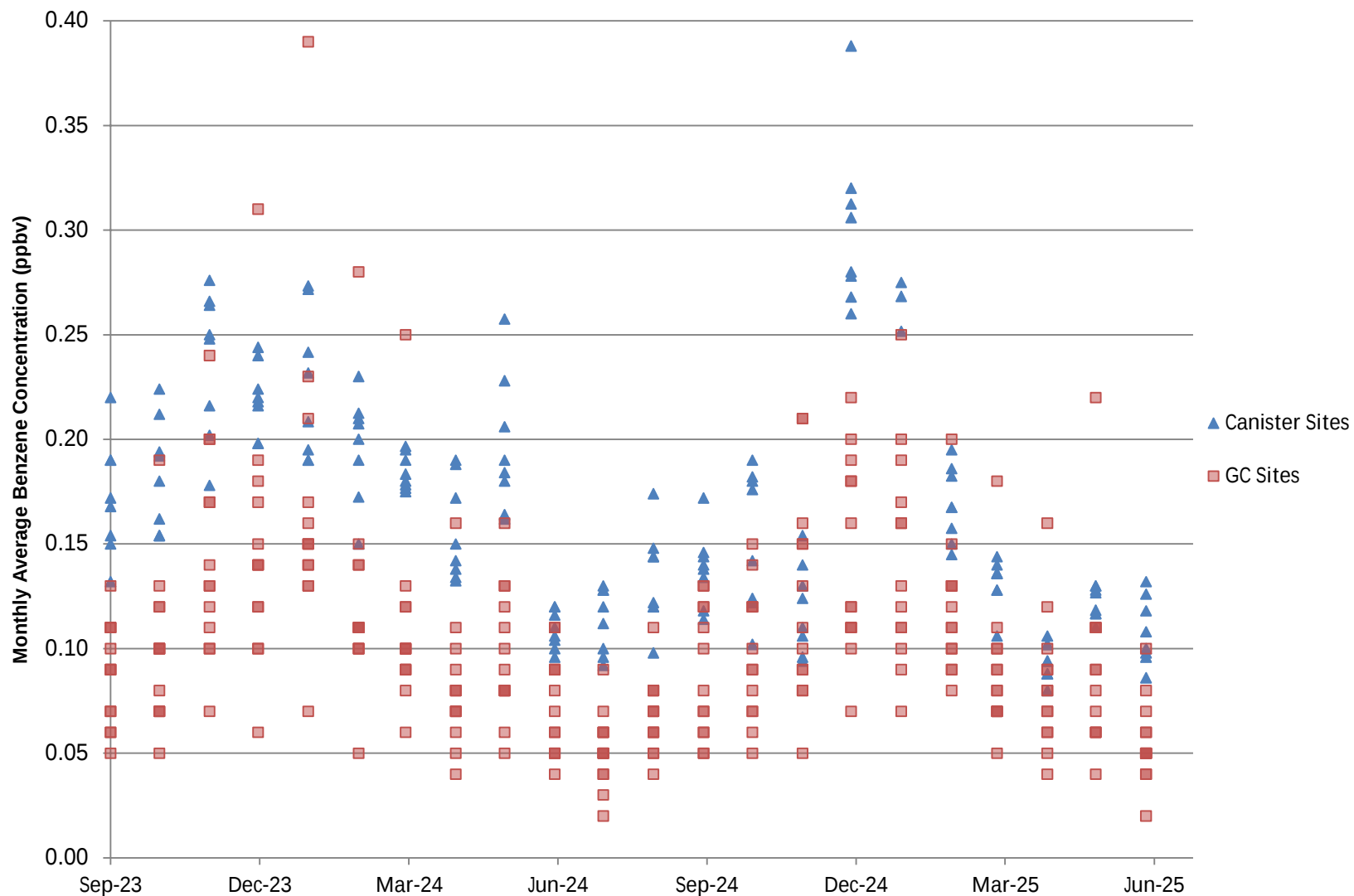
²895 valid samples out of a total of 897 collected samples, for a data capture of 99.8%.

³Averages calculated with 0 substituted for NDs.

Figure 3-1 shows the benzene concentration correlation between canister and AutoGC sites. A batch of January samples flagged by the laboratory for elevated blank recoveries were excluded from this chart to improve interpretability, as detailed in Section 3.2. Canister benzene concentrations trended marginally higher than AutoGC benzene concentrations over several months, but generally benzene concentrations correlated well between the two sampling methods. Average monthly benzene concentrations for all AutoGC and canister sites can be seen in the Monthly Summary Reports in Appendix C.

Meteorological wind roses show wind profiles, or the distributions, of resultant wind direction and wind speeds over a given period. Figure 3-2 shows a map of the NTC network overlain with representative wind roses for data from September 2023 through June 2025 for five of the sites: Abilene, Wichita Falls, Decatur Thompson, Godley, and UT-Arlington Campus. Throughout the network, winds were most commonly from the south.

Canister and GC Benzene Concentration Correlation



Note: Some quality-flagged January 2025 canister samples were excluded from this graph due to high blanks recoveries indicating positive data bias.

Figure 3-1. Canister and AutoGC Benzene Concentrations

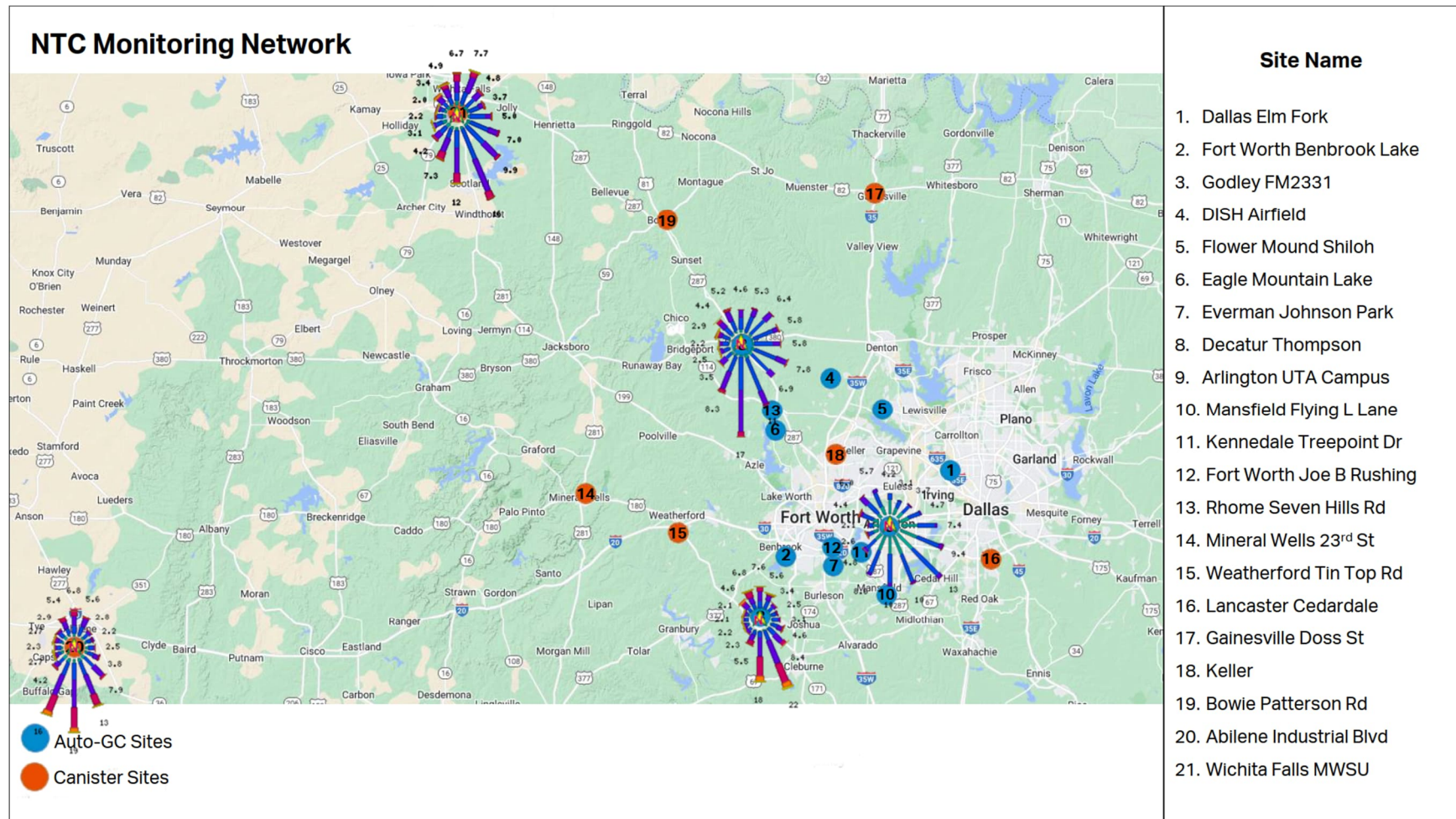


Figure 3-2. Map of NTC Network with September 2023 through June 2025

3.2 Spatial Variability

The NTC network spans a large area, and although a small degree of spatial variability is apparent in the measured concentrations, concentrations throughout the network are relatively homogenous overall. Figure 3-3 shows concentrations of benzene, toluene, ethylbenzene, and m&p-xylene versus time for all eight canister sites. Benzene concentrations are consistent throughout the network except for a short period in January 2025. Benzene data during this time were quality-flagged due to failing laboratory blanks indicating potentially positively biased data. Toluene concentrations correlate well across the network, though Mineral Wells tends to report higher toluene concentrations than the rest of the canister sites. Apart from two larger concentrations from a November 2024 sample taken at Keller, both ethylbenzene and m&p-xylene concentrations are comparable at all canister sites.



Figure 3-3. Benzene, Toluene, Ethylbenzene, and M&P-xylene Concentrations vs. Time for All Eight Canister Sites

3.3 Temporal Variability

Table 3-2 shows monthly meteorological data for UT-Arlington Campus from September 2023 to June 2025, a site that is generally representative of all the NTC sites. Figure 3-4 shows a breakdown of wind roses for UT-Arlington Campus by meteorological winter (December through February) and meteorological summer (June through August). There is not a large seasonal variation in wind direction; however, there is an apparent stronger southeasterly wind component in summer, while winds are more evenly distributed in winter.

Seasonal trends within the data were evaluated with a focus on the compounds that were frequently detected at relatively high concentrations (i.e., low molecular weight hydrocarbons such as ethane, propane, and pentane). Figure 3-5 shows propane concentrations as a function of time for four of the canister sites: Weatherford, Bowie Patterson, Abilene, and Wichita Falls. Higher concentrations of propane are generally seen during the winter months at all four sites. A time series of toluene concentrations can be seen in Figure 3-6 for canister sites Lancaster Cedardale, Mineral Wells, Keller, and Gainesville Doss, and higher concentrations are generally seen during the winter for this compound as well. This is believed to be a function of more stable atmospheric conditions during winter months such as temperature inversions or overcast skies. The stable meteorological conditions in the winter months minimize the transportation or dispersion of VOCs and result in higher VOC concentrations at ground level.

Additional insight into temporal variability can be gleaned from examining the highest detected concentrations of certain compounds throughout the network. Tables 3-3 through 3-6 show the ten highest hourly ethane, pentane, benzene, and toluene concentrations, respectively, measured across all thirteen AutoGC sites. Ethane and pentane are compounds of interest as they are potential indicators of oil and gas activity. Benzene and toluene are of interest due to their presence in gasoline and subsequent widespread existence in ambient air.

Relatively high ethane concentrations were measured across the network, with the highest hourly ethane concentration recorded at DISH Airfield. The greatest frequency of highest hourly pentane concentrations was observed at Decatur Thompson, which recorded four of the ten highest samples. The highest hourly benzene concentration was measured at Joe B. Rushing. Most of the ten highest hourly toluene concentrations were measured at DISH Airfield, although the maximum concentration was recorded at Decatur Thompson. This is a departure from the previous summary report, which showed all the ten highest toluene concentrations originating from Everman Johnson Park.

**Table 3-2. Monthly Meteorological Data from UT-Arlington Campus
(September 2023 through June 2025)**

Month	Wind Speed (mph)			Wind Gust (mph)	Temperature (°F)		
	Min	Max	Average	Max	Min	Max	Average
Sep-23	0.0	10.1	4.1	39.5	63.7	111.4	84.5
Oct-23	0.0	11.4	4.3	29.8	38	94.3	69.4
Nov-23	0.0	12.2	3.6	28.9	34	85.8	58.3
Dec-23	0.2	12.5	4.4	29.9	31.3	82.8	53.8
Jan-24	0.0	18.3	5.0	48.5	13.8	78.7	44.1
Feb-24	0.4	11.4	5.3	29.3	29.8	94.7	59.2
Mar-24	0.3	12.2	5.1	36.5	38.6	84.4	63.1
Apr-24	0.2	14.4	5.2	40.7	45.9	87.6	69.7
May-24	0.2	14.9	4.6	41.6	64.5	99.3	78.3
Jun-24	0.0	8.5	4.3	27.8	68.7	104.1	86.7
Jul-24	0.3	9.9	4.2	38.0	74.4	104.8	88.3
Aug-24	0.2	9.6	4.3	27.6	74.9	111.5	92.5
Sep-24	0.0	8.3	3.5	25.5	59.6	103.5	82.6
Oct-24	0.1	10.4	3.8	29.1	50.1	104.7	78.6
Nov-24	0.0	11.1	4.0	33.6	38.7	85.5	64.3
Dec-24	0.0	11.5	4.1	26	35.8	85.5	57.6
Jan-25	0.1	16.7	4.9	37.9	25.1	73.3	47.0
Feb-25	0.1	14.9	5.0	36.8	17.3	91.6	53.6
Mar-25	0.0	19.9	6.3	56.9	39.9	95.5	68.1
Apr-25	0.0	11.1	5.0	34.3	40.5	96.8	72.7
May-25	0.0	10.3	4.1	28.7	55.2	100.8	78.4
Jun-25	0.2	9.1	4.5	30.4	68.1	94.5	82.3

Min = minimum
Max = maximum
Mph = Miles per hour
°F = Degrees Fahrenheit

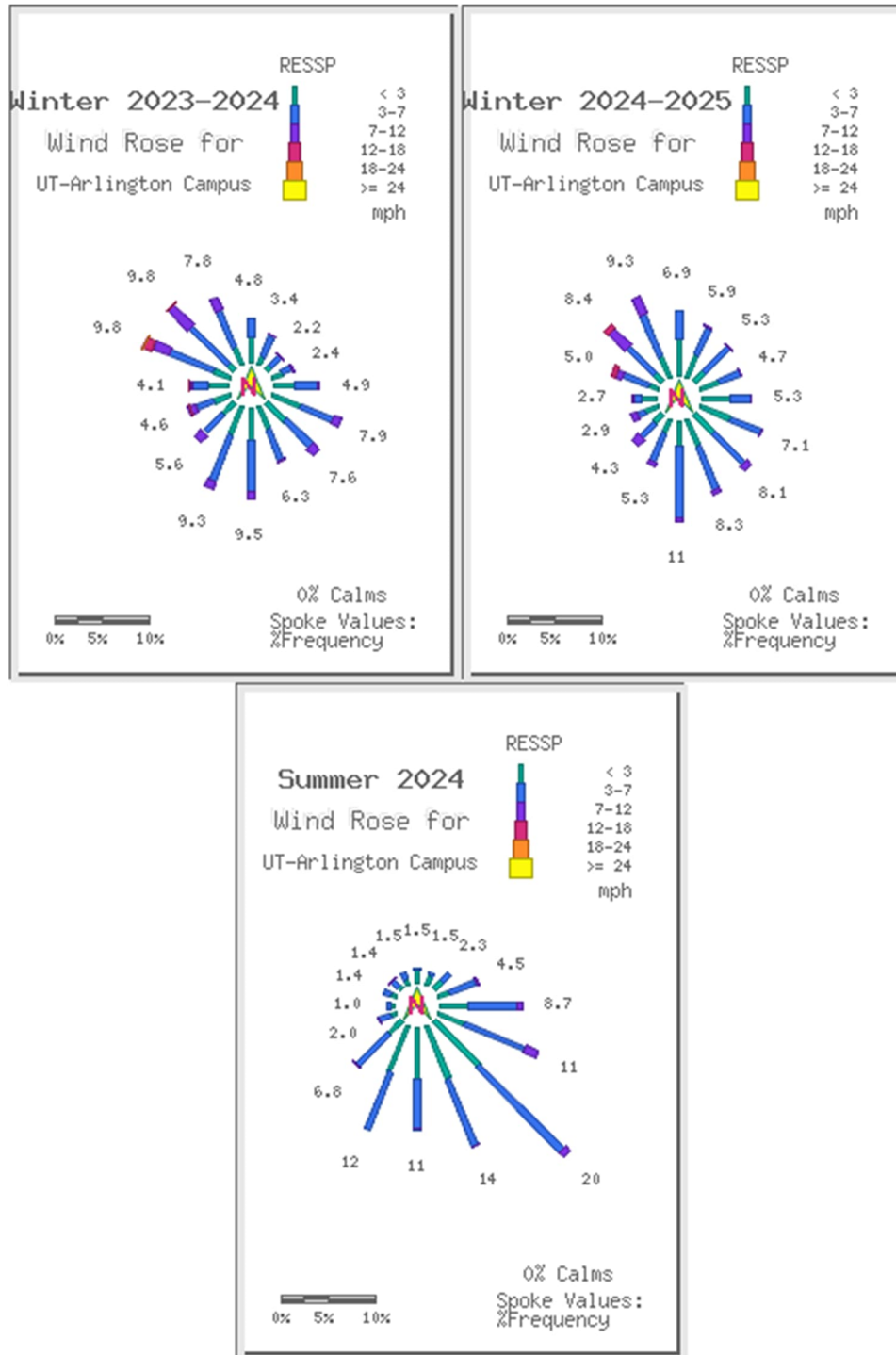


Figure 3-4. Wind Roses for UT-Arlington Campus for Meteorological Winter (top) and Meteorological Summer (bottom)

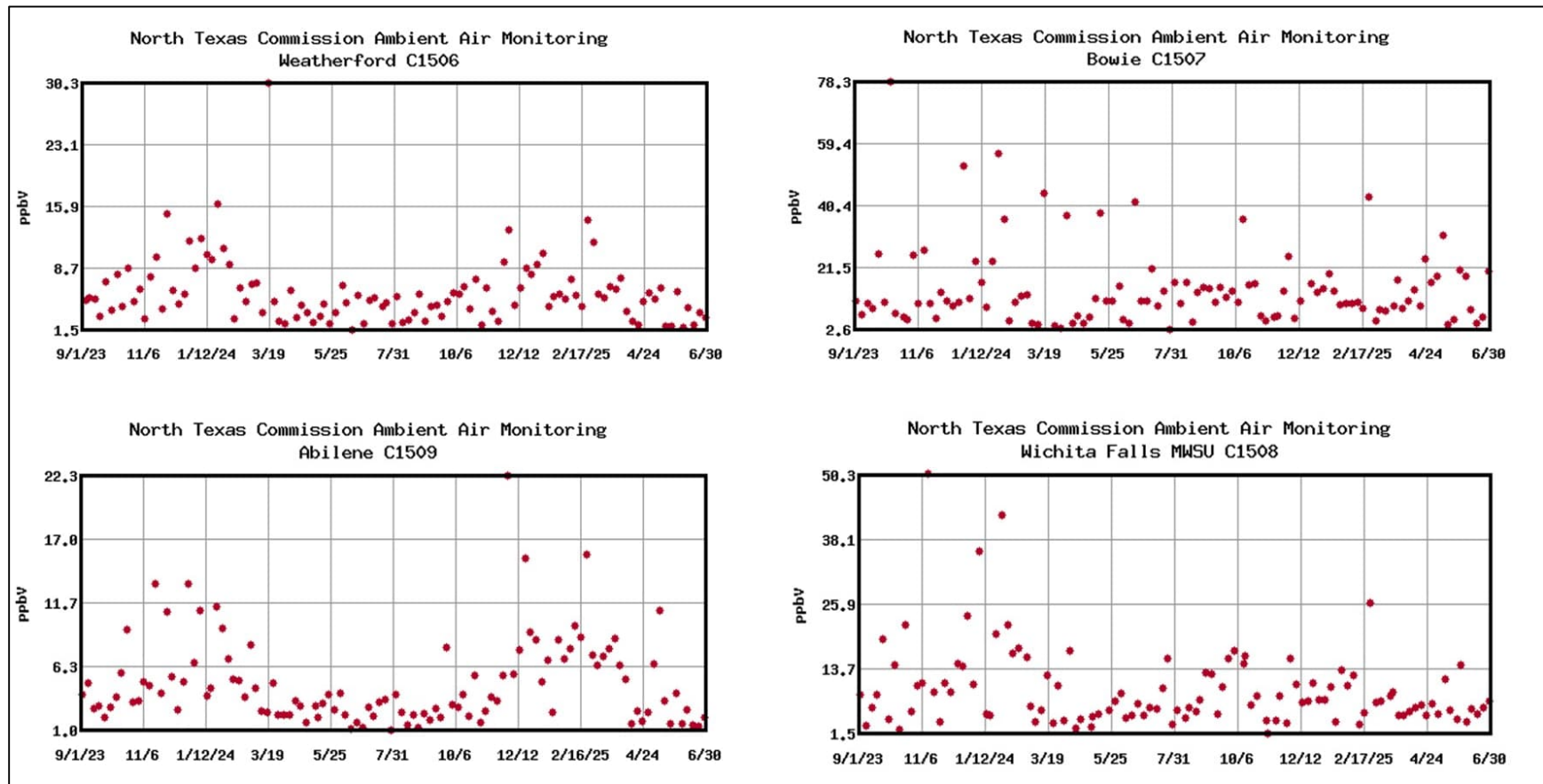


Figure 3-5. Propane Concentrations vs. Time for Weatherford, Bowie Patterson, Abilene, and Wichita Falls

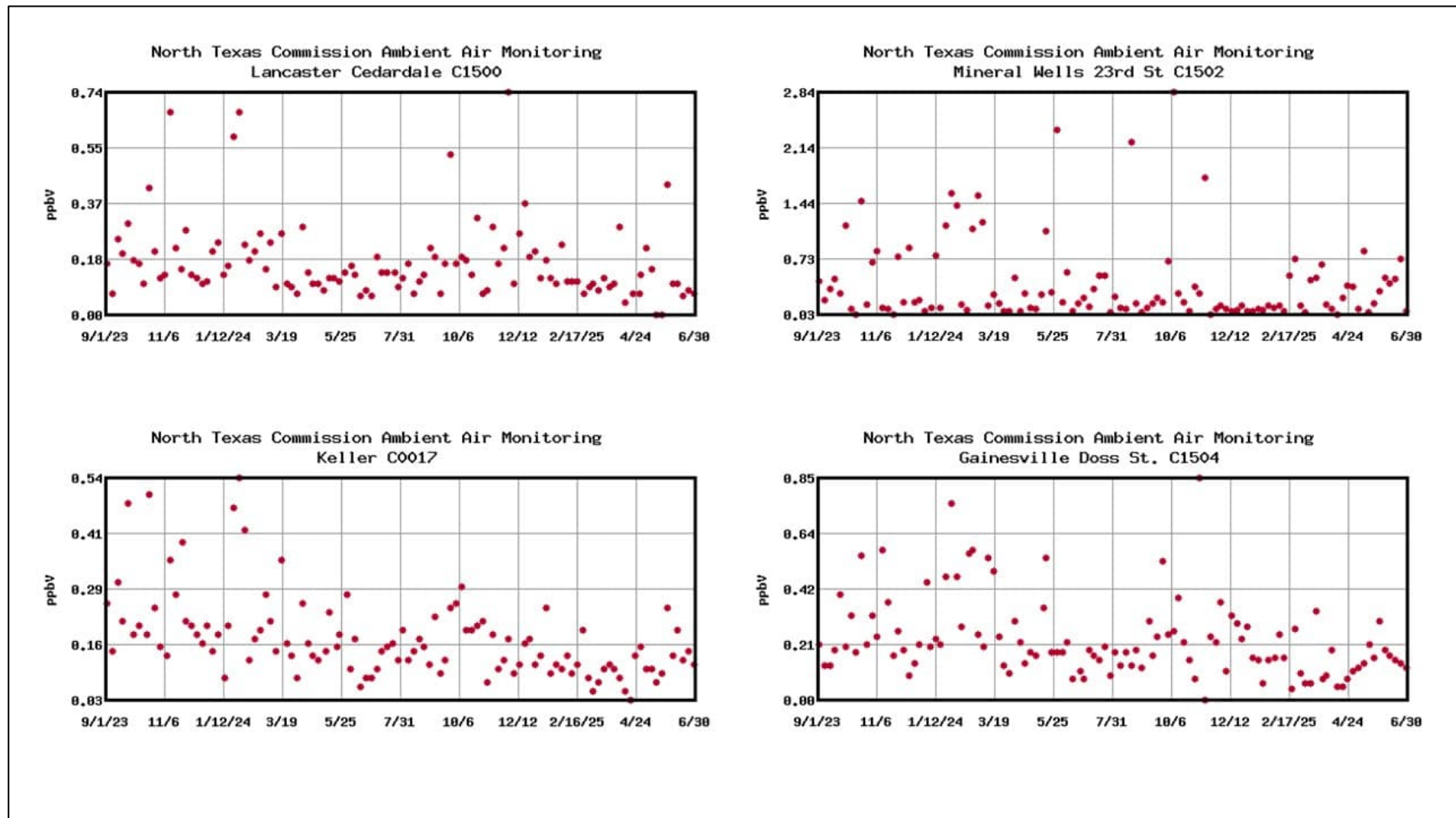


Figure 3-6. Toluene Concentrations vs. Time for Lancaster Cedardale, Mineral Wells, Keller, and Gainesville Doss

Table 3-3. Ten Highest Hourly Ethane Concentrations at GC Sites

Site	Date, Hour	Concentration (ppbv)
DISH Airfield C1013	7/2/2024 16:00	1711.9
DISH Airfield C1013	6/17/2024 12:00	1612.2
DISH Airfield C1013	8/28/2024 23:00	1393.3
Decatur Thompson C0088	6/15/2025 22:00	1364.7
Arlington UT Campus C1018	10/17/2023 7:00	1164.1
DISH Airfield C1013	5/21/2025 10:00	887.3
Arlington UT Campus C1018	12/5/2023 19:00	879.8
Godley, FM2331 C1501	11/21/2024 19:00	840.3
Arlington UT Campus C1018	12/18/2023 20:00	821.3
Arlington UT Campus C1018	12/19/2023 0:00	808.6

Table 3-4. Ten Highest Hourly Pentane Concentrations at GC Sites

Site	Date, Hour	Concentration (ppbv)
Decatur Thompson C0088	6/15/2025 22:00	61.6
Kennedale C1062	5/6/2025 23:00	41.2
Everman Johnson Park C1009	11/28/2023 6:00	38.3
Joe B. Rushing Road C1065	3/27/2024 5:00	28.2
Kennedale C1062	5/7/2025 0:00	26.5
Decatur Thompson C0088	3/6/2025 4:00	25.2
Decatur Thompson C0088	2/6/2024 8:00	24.4
Rhome Seven Hills Road C1064	11/23/2023 0:00	21.2
Godley, FM2331 C1501	5/8/2025 4:00	20.9
Decatur Thompson C0088	12/15/2024 0:00	20.2

Table 3-5. Ten Highest Hourly Benzene Concentrations at GC Sites

Site	Date, Hour	Concentration (ppbv)
Joe B. Rushing Road C1065	6/22/2024 20:00	6.7
Benbrook Lake C1503	8/31/2024 18:00	5.6
Dallas Elm Fork C1505	10/7/2023 23:00	5.6
Everman Johnson Park C1009	11/28/2023 6:00	5.2
Benbrook Lake C1503	8/31/2024 20:00	5.0
Dallas Elm Fork C1505	10/8/2023 0:00	5.0
Dallas Elm Fork C1505	11/14/2023 21:00	4.6
Benbrook Lake C1503	8/31/2024 19:00	4.5
Dallas Elm Fork C1505	11/28/2023 6:00	4.4
Dallas Elm Fork C1505	2/13/2024 4:00	4.4

Table 3-6. Ten Highest Hourly Toluene Concentrations at GC Sites

Site	Date, Hour	Concentration (ppbv)
Decatur Thompson C0088	10/30/2024 10:00	147.3
DISH Airfield C1013	5/17/2024 5:00	125.1
DISH Airfield C1013	5/17/2024 4:00	90.9
Decatur Thompson C0088	12/18/2024 14:00	76.6
Decatur Thompson C0088	10/30/2024 11:00	69.2
DISH Airfield C1013	5/16/2024 1:00	48.7
DISH Airfield C1013	5/16/2024 7:00	45.2
DISH Airfield C1013	8/28/2024 4:00	42.7
DISH Airfield C1013	5/9/2024 12:00	37.5
DISH Airfield C1013	6/25/2024 0:00	35.6

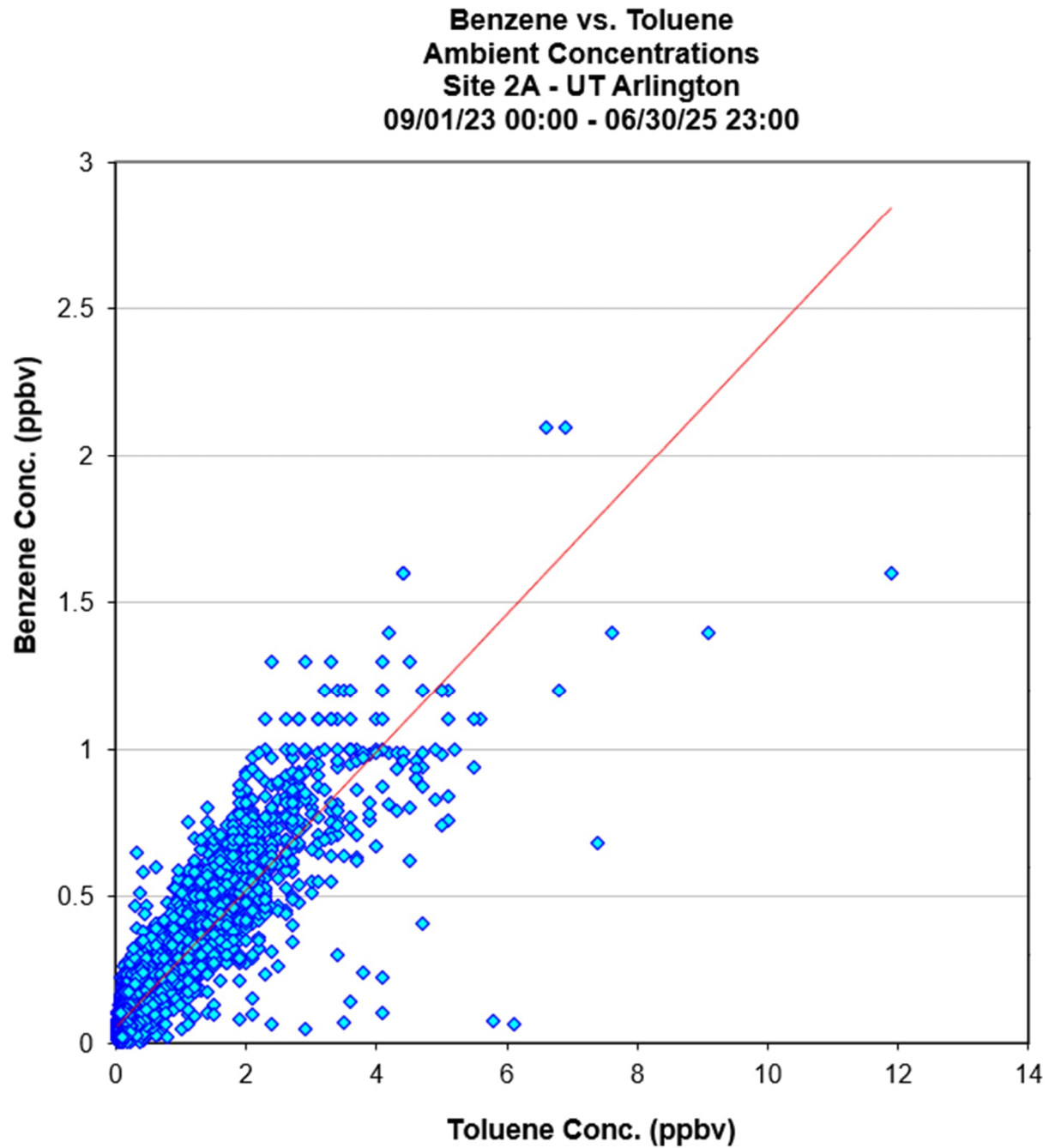
3.4 Additional Data Evaluation

In addition to the spatial and temporal variability discussed above, other certain topics of interest were identified during the data evaluation. Benzene is of interest in VOC networks because of its ubiquity in ambient air and its potential adverse health effects. Benzene to toluene ratios can be used to help identify sources of benzene. While the highest benzene results during the study period came from several sites and were distributed across the study period, DISH had 7 of the ten highest toluene results, four of which occurred over two specific days (May 16 and 17 of 2024). Even though only four of the highest toluene results occurred at DISH in these two days, toluene was elevated over the 48-hour period.

Figure 3-7 shows the benzene to toluene concentrations for UT-Arlington Campus for September 2023 to June 2025. UT-Arlington Campus is generally representative of all the GC sites, and from the graph it is evident that the benzene to toluene ratio at UT-Arlington Campus is approximately 5:1. This ratio is within the expected range if gasoline and other petroleum fuels are the primary source of the benzene and toluene. As shown in Figure 3-8, the benzene to toluene ratio at DISH for the May 16 and 17 period of unusually high toluene does not show the same ratio.

Using the hourly AutoGC data coupled with meteorological data from the site, pollution roses were created for toluene at DISH for the entire month of May 2024 (Figure 3-9), as well as for the two higher concentration days in May 2024 (Figure 3-10). While the winds were predominantly north-northwesterly throughout the month of May, as shown in the wind rose in Figure 3-9, wind direction on the high toluene days was primarily northwesterly, reporting between 310 to 325 degrees. When the toluene pollution rose is overlain on a map of the site and surrounding areas as shown in Figure 3-11, potential sources of the high toluene concentrations may be even more closely pinpointed.

Throughout the NTC network, canister and AutoGC concentrations correlated well with slight seasonal trends. Nonetheless, AutoGCs have the additional benefit of time resolution. AutoGC measurements are taken every hour, whereas canister samples are only collected every six days and thus result in a smaller sample size. Furthermore, the canister data are a 24-hour average and cannot be used to determine if the concentration varied within that 24-hour sampling period. The time resolution of the AutoGCs allows for the creation of pollution roses which can potentially help identify the source of short-term events.



**Figure 3-7. Benzene vs. Toluene Comparisons (ppbv) at UT-Arlington Campus for
September 2023 – June 2025**

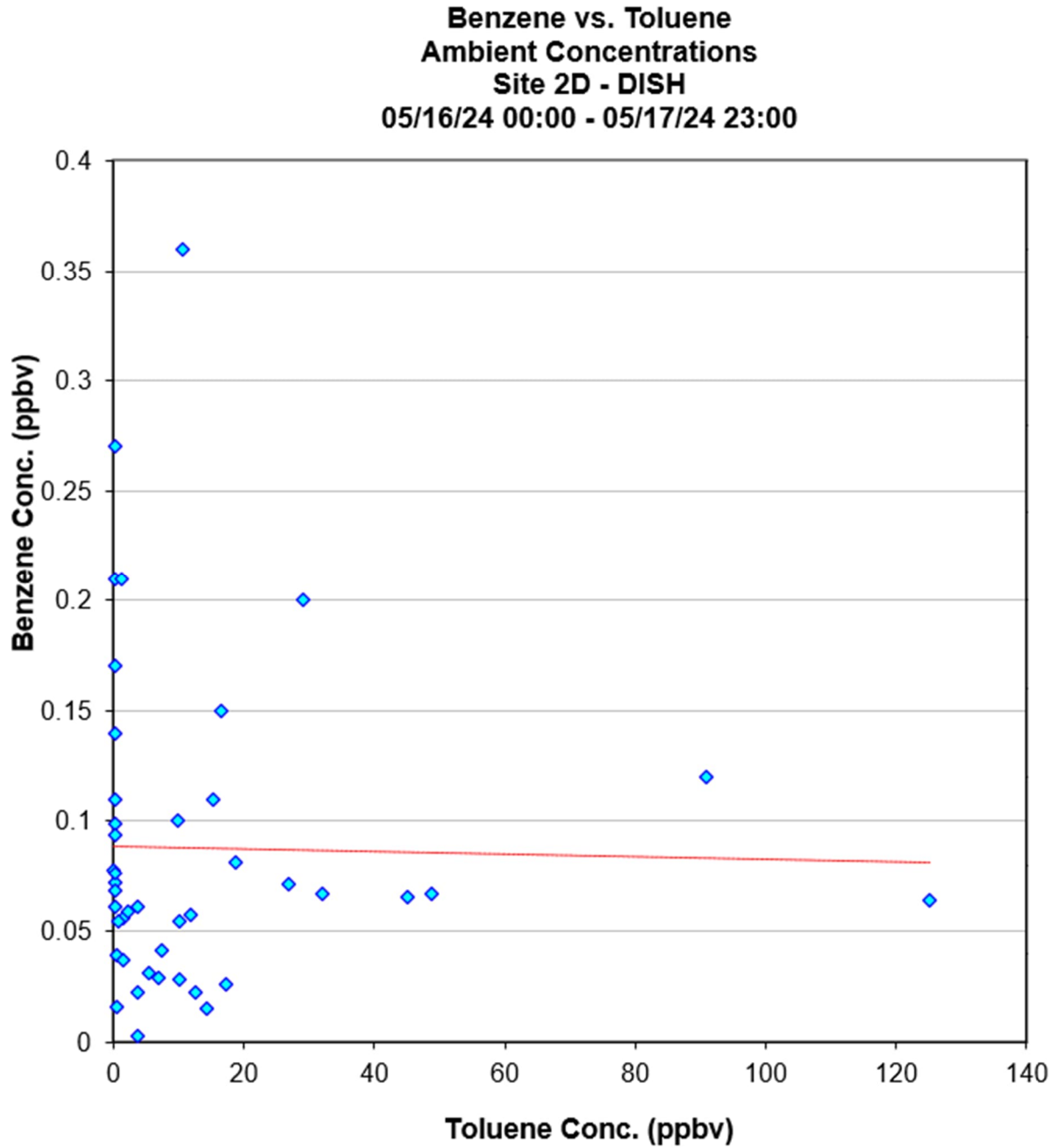


Figure 3-8. Benzene vs. Toluene Comparisons (ppbv) at DISH Airfield for May 16-17, 2024

Hourly Average Toluene Concentration Summary Statistics By Wind Direction
05/01/2024 00:00 through 05/31/2024 22:00
Site 2D - DISH

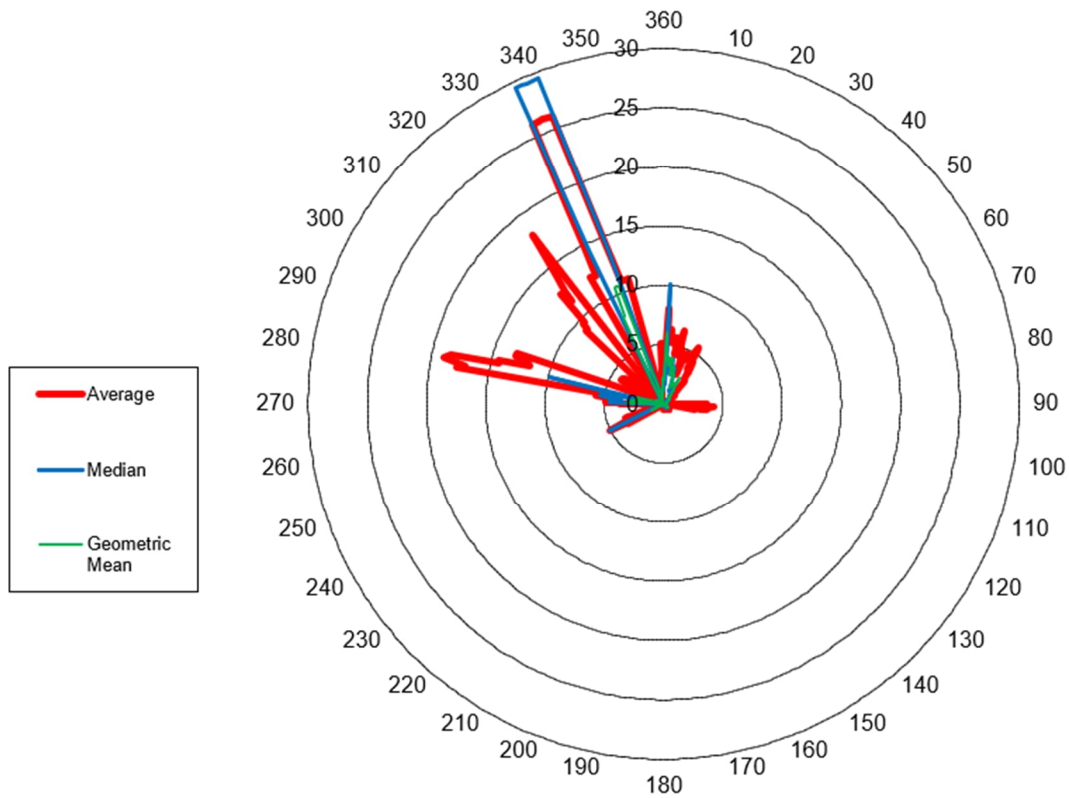


Figure 3-9. Pollution Roses for Toluene Concentrations (ppbv) at DISH Airfield May 2024

Hourly Average Toluene Concentration Summary Statistics By Wind Direction
05/16/2024 00:00 through 05/17/2024 23:00
Site 2D - DISH

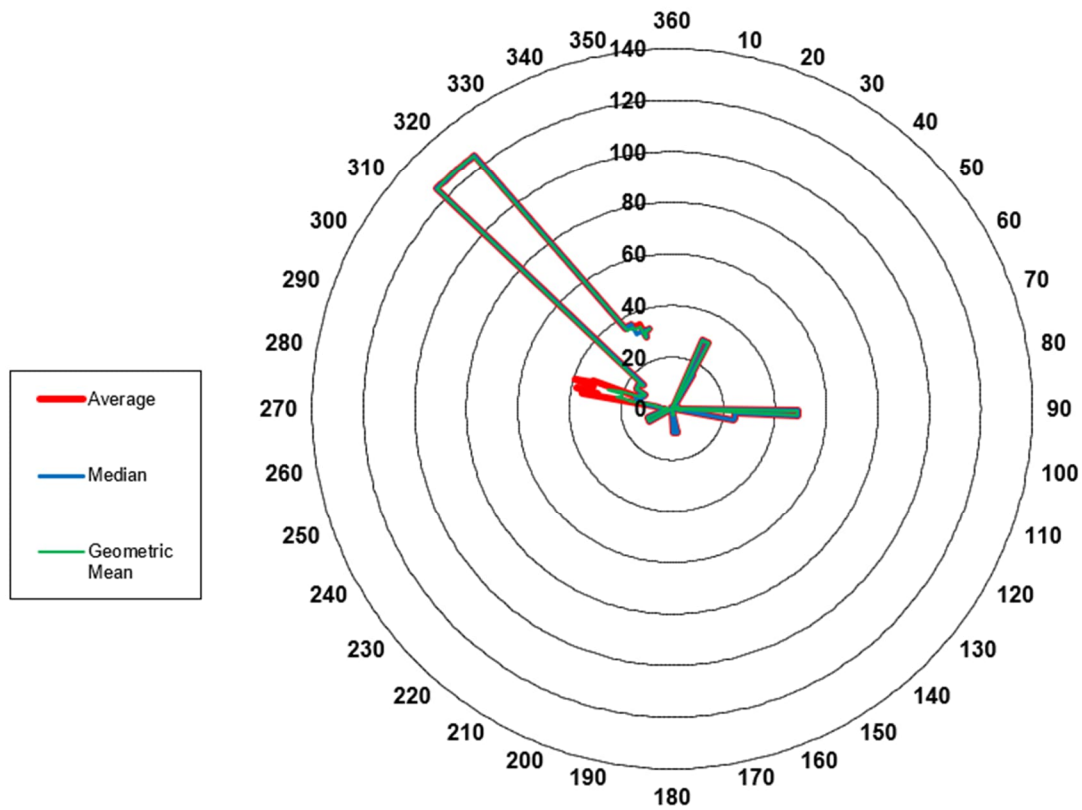


Figure 3-10. Pollution Roses for Toluene Concentrations (ppbv) at DISH Airfield
May 16-17, 2024

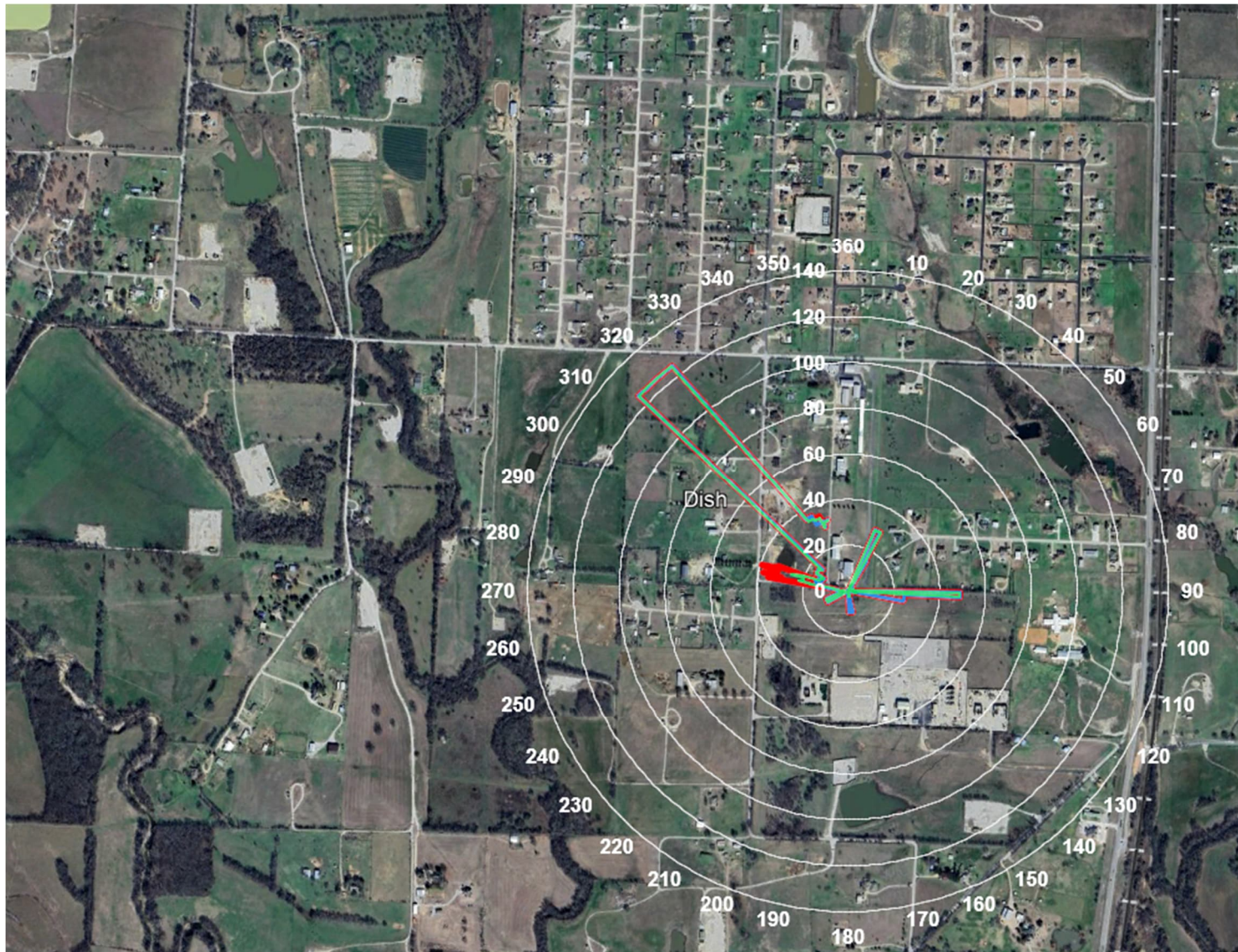


Figure 3-11. DISH Airfield Toluene Pollution Rose (ppbv) for May 16-17, 2024, Overlain on Map of Site Area

4. Air Quality Impacts

TCEQ's air monitoring comparison values (AMCVs) are screening levels used for evaluating measured levels of common air toxics. They are not air quality standards but are chemical-specific air concentrations set to protect human health and welfare and are used for air toxics assessments. The short-term AMCV is based on acute exposure health and welfare data and is intended to be compared to measured concentrations for time periods up to one hour. The long-term AMCV is based on chronic health and welfare data and is used to evaluate annual-averaged monitored concentrations or annual concentrations averaged over multiple years.

The short- and long-term AMCVs for pentane, benzene, toluene, ethylbenzene, and m&p-xylene can be seen in Tables 4-1 and 4-2. There are no short-term or long-term AMCVs for ethane or propane. All max hourly AutoGC concentrations and max 24-hour canister concentrations for these compounds measured at the NTC network are well below the associated short-term AMCVs. Similarly, the average concentrations of pentane, benzene, toluene, ethylbenzene, and m&p-xylene measured at the canister sites as shown in Table 4-2 are well below the long-term AMCVs. Thus, it can be concluded that measured compound concentrations are acceptable and not a threat to human health.

**Table 4-1. Summary of Compound Concentrations vs. Short-Term AMCVs
(September 2023 through June 2025)**

Compound	Highest AutoGC 1-hr Concentration (ppbv)	Highest Canister 24-hr Concentration (ppbv) ¹	Short-Term AMCV (ppbv)	Exceedance (Yes/No)
Ethane	1711.9	141.4	--	N/A
Propane	770.6	78.3	--	N/A
Pentane	61.6	6.6	68,000	No
Benzene	6.7	4.8	180	No
Toluene	147.3	2.8	4,000	No
Ethylbenzene	4.8	16.4	20,000	No
M&P-xylene	21.4	60.3	1,700	No

N/A = Not Applicable

¹Short-term data but not directly comparable to the 1-hr AMCVs

**Table 4-2. Summary of Compound Concentrations vs. Long-Term AMCVs¹
(September 2023 through June 2025)**

Compound	Average Canister 24-hr Concentration (ppbv) ²	Long-Term AMCV (ppbv)	Exceedance (Yes/No)
Ethane	11.6	--	N/A
Propane	6.5	--	N/A
Pentane	0.8	8,100	No
Benzene	0.2	1.4	No
Toluene	0.2	1,100	No
Ethylbenzene	0.04*	440	No
M&P-xylene	0.1	140	No

N/A = Not Applicable

*Less than detection limit

¹Sites included in statistics: Keller, Mineral Wells, Lancaster Cedardale, Gainesville Doss, Weatherford, Bowie Patterson, Abilene, and Wichita Falls.

²Averages calculated with zero substituted for NDs.

5. Quality Assurance

Various quality assurance or quality control (QA/QC) checks are conducted to help demonstrate that the monitoring data collected are of sufficient quality. The AutoGC systems have automated quality control checks that are used both as feedback for field staff to identify problems or changes in system performance and as indicators of data quality for data validators. These include:

- Multipoint calibration;
- Calibration verification standard;
- Laboratory calibration standard;
- Method blank analyses;
- Duplicate CVS analyses; and
- Retention time standard analyses.

Verification of AutoGC system calibration is checked daily using a Calibration Verification Standard (CVS). A second-source Laboratory Calibration Standard (LCS) is analyzed weekly to verify the reliability of the daily CVS. Precision checks are also conducted weekly to ensure data quality. A summary of the AutoGC quality control checks can be seen in Table 5-1. Field operators review QC checks daily and take corrective actions as necessary to maintain system control, optimize performance, and minimize data loss. Monitoring data that do not meet certain QA/QC criteria (e.g., calibration check criteria, precision check criteria, etc.) are invalidated as necessary.

For canister sampling QC, canister sampling rates, durations, and pressures are continuously measured to ensure a valid sample, and chain-of-custody documentation is maintained to further ensure sample integrity. Duplicate (collocated) samples are collected at or above a 10% frequency across the NTC network. These duplicate sample results provide a measure of precision for the canister data. Furthermore, the laboratory that analyzes the canister samples follows the quality control specifications defined in EPA Organic Compendium Method TO-15. Quality control for these analyses includes the following procedures:

- Five-point initial calibration;
- Continuing calibration verification;
- Laboratory blank analyses;
- Blank spike/blank spike duplicate;
- Surrogate spikes; and
- Duplicate sample analyses.

Table 5-1. AutoGC QA/QC Checks

QA/QC Checks	Purpose	Minimum Frequency	Objective
Retention Time Check	Confirm retention time windows	Weekly	100% of compounds are identified correctly in the RTS
Calibration Check (Calibration Verification Standard)	Assess instrument drift and verify instrument calibration	Daily	1) Propane and benzene percent recoveries are within 75-125% and all other compounds are within 55-145% 2) Data must be bracketed by valid calibration checks
Blank Check	Assess system contribution/bias	Daily	1) All target compounds <2 ppbc 2) TNMOC <20 ppbc 3) Data must be bracketed by valid blanks
Precision Check	Assess analytical precision	Weekly	Propane and benzene relative percent difference (RPD) <20% in two consecutive calibration checks
Accuracy Check /2nd Source Standard (Laboratory Calibration Standard)	Assess calibration accuracy	Weekly	Propane and benzene percent recoveries within 70-130%
Method Detection Limit Check	Verify instrument level of detection	Annually	All target compounds <0.4 ppbc

Meteorological data collected as a part of this monitoring program are reviewed each workday to identify any issues with instrument performance in a timely manner. On site, operators inspect the equipment periodically for signs of deterioration or damage. Inspections include visually observing that the wind speed cups are intact and turning, the wind direction vane is intact, the temperature sensor's aspirator motor is on, and the cables appear to be in good shape.

Furthermore, semi-annual field audits of the NTC network are conducted by AECOM's Ambient Air Monitoring (AAM) Quality Assurance team. The audits evaluate overall system effectiveness for both the AutoGC and canister sampling systems and independently test the measurement equipment to ensure that it is functioning properly. Full audit reports prepared by the AECOM AAM Quality Assurance team and submitted under separate cover can be viewed in Appendix D.

Appendix A - AutoGC Target VOC Compounds

Number	AQS Parameter Code	Compound/Parameter	CAS
1	43202	ethane	74-84-0
2	43203	ethylene	74-85-1
3	43204	propane	74-98-6
4	43205	propylene	115-07-1
5	43214	isobutane	75-28-5
6	43212	n-butane	106-97-8
7	43206	acetylene	74-86-2
8	43216	trans-2-butene	624-64-6
9	43280	1-butene	106-98-9
10	43217	cis-2-butene	590-18-1
11	43242	cyclopentane	287-92-3
12	43221	isopentane	78-78-4
13	43220	n-pentane	109-66-0
14	43218	1,3-butadiene	106-99-0
15	43226	trans-2-pentene	624-64-6
16#	43228	2-methyl-2-butene	513-35-9
17	43224	1-pentene	109-67-1
18	43227	cis-2-pentene	627-20-3
19	43244	2,2-dimethylbutane	75-83-2
20*	43285	2-methylpentane	107-83-5
21	43243	isoprene	78-79-5
22	43231	n-hexane	110-54-3
23	43262	methylcyclopentane	96-37-7
24	43247	2,4-dimethylpentane	108-08-7
25	45201	benzene	71-43-2
26	43248	cyclohexane	110-82-7
27	43263	2-methylhexane	591-76-4
28	43291	2,3-dimethylpentane	565-59-3
29	43249	3-methylhexane	589-34-4
30	43250	2,2,4-trimethylpentane	540-84-1
31	43232	n-heptane	142-82-5
32	43261	methylcyclohexane	108-87-2
33	43252	2,3,4-trimethylpentane	565-75-3
34	45202	toluene	108-88-3
35	43960	2-methylheptane	592-27-8
36	43253	3-methylheptane	589-81-1
37	43233	n-octane	111-65-9
38	45203	ethylbenzene	100-41-4
39	45109	m&p-xylene	1330-20-7
40	45220	styrene	100-42-5

41	45204	o-xylene	95-47-6
42	43235	n-nonane	111-84-2
43	45210	isopropylbenzene (cumene)	98-82-8
44	45209	n-propylbenzene	103-65-1
45	45207	1,3,5-trimethylbenzene	108-67-8
46	45208	1,2,4-trimethylbenzene	95-63-6
47	43238	n-decane	124-18-5
48	45225	1,2,3-trimethylbenzene	526-73-8
49#	43954	n-undecane	1120-21-4
50**	43000	PAMHC	NA
51**	43102	TNMOC	NA

Compound not reported by TCEQ AutoGC's

* This compound is a calibrant not reported in ambient air data; however it is reported to TCEQ LEADS for QC purposes.

** Sum totals, not a chemical compound.

Appendix B - Canister Target Compounds

Number	AIRS Code	Parameter Name	CAS	LOD (ppbv)	LOQ (ppbv)	SQL (ppbv)
1	43814	1,1,1-trichloroethane*	71-55-6	0.1	0.5	0.8
2	43818	1,1,2,2-tetrachloroethane*	79-34-5	0.1	0.5	0.8
3	43820	1,1,2-trichloroethane*	79-00-5	0.1	0.5	0.8
4	43813	1,1-dichloroethane*	75-34-3	0.1	0.5	0.8
5	43826	1,1-dichloroethylene*	75-35-4	0.1	0.5	0.8
6	45225	1,2,3-trimethylbenzene*	526-73-8	0.1	0.5	0.8
7	45208	1,2,4-trimethylbenzene*	95-63-6	0.1	0.5	0.8
8	43843	1,2-dibromoethane*	106-93-4	0.1	0.5	0.8
9	43815	1,2-dichloroethane*	107-06-2	0.1	0.5	0.8
10	43829	1,2-dichloropropane*	78-87-5	0.1	0.5	0.8
11	45207	1,3,5-trimethylbenzene*	108-67-8	0.1	0.5	0.8
12	43218	1,3-butadiene*	106-99-0	0.1	0.5	0.8
13	43280	1-butene*	106-98-9	0.1	0.5	0.8
14	43224	1-pentene*	109-67-1	0.1	0.5	0.8
15	43250	2,2,4-trimethylpentane (isooctane)*	540-84-1	0.1	0.5	0.8
16	43244	2,2-dimethylbutane*	75-83-2	0.1	0.5	0.8
17	43252	2,3,4-trimethylpentane*	565-75-3	0.1	0.5	0.8
18	43284	2,3-dimethylbutane*	79-29-8	0.1	0.5	0.8
19	43291	2,3-dimethylpentane*	565-59-3	0.1	0.5	0.8
20	43247	2,4-dimethylpentane*	108-08-7	0.1	0.5	0.8
21	43331	2-chloropentane	625-29-6	0.1	0.5	0.8
22	43173	2-methyl-1-pentene + 1-hexene	763-29-1 and 592-41-6	0.2	0.5	0.8
23	43228	2-methyl-2-butene*	513-35-9	0.1	0.5	0.8
24	43960	2-methylheptane*	592-27-8	0.1	0.5	0.8
25	43263	2-methylhexane*	591-76-4	0.1	0.5	0.8
26	43285	2-methylpentane*	107-83-5	0.3	0.5	0.8
27	43282	3-methyl-1-butene*	563-45-1	0.1	0.5	0.8
28	43253	3-methylheptane*	589-81-1	0.1	0.5	0.8
29	43249	3-methylhexane*	589-34-4	0.1	0.5	0.8
30	43230	3-methylpentane*	96-14-0	0.1	0.5	0.8
31	43234	4-methyl-1-pentene*	691-37-2	0.2	0.5	0.8
32	43206	acetylene*	74-86-2	0.1	0.5	0.8
33	45201	benzene*	71-43-2	0.1	0.5	0.8
34	43819	bromomethane*	74-83-9	0.1	0.5	0.8
35	43831	c-1,3-dichloropropylene*	10061-01-5	0.1	0.5	0.8
36	43217	c-2-butene*	590-18-1	0.1	0.5	0.8
37	43290	c-2-hexene*	7688-21-3	0.1	0.5	0.8
38	43227	c-2-pentene*	627-20-3	0.1	0.5	0.8
39	43804	carbon tetrachloride*	56-23-5	0.1	0.5	0.8
40	45801	chlorobenzene*	108-90-7	0.1	0.5	0.8
41	43803	chloroform*	67-66-3	0.1	0.5	0.8
42	43248	cyclohexane*	110-82-7	0.1	0.5	0.8
43	43242	cyclopentane*	287-92-3	0.1	0.5	0.8
44	43283	cyclopentene*	142-29-0	0.1	0.5	0.8
45	43823	dichlorodifluoromethane*	75-71-8	0.1	0.5	0.8
46	43202	ethane*	74-84-0	0.3	10	15
47	45203	ethylbenzene*	100-41-4	0.1	0.5	0.8
48	43203	ethylene (ethene)	74-85-1	0.1	10	15
49	43214	isobutane*	75-28-5	0.1	0.5	0.8

50	43221	isopentane*	78-78-4	0.1	0.5	0.8
51	43243	isoprene (2-methyl-1,3-butadiene)*	78-79-5	0.1	0.5	0.8
52	45210	isopropylbenzene (cumene)*	98-82-8	0.1	0.5	0.8
53	45218	m-diethylbenzene*	141-93-5	0.1	0.5	0.8
54	43801	methyl chloride*	74-87-3	0.1	0.5	0.8
55	43261	Methylcyclohexane*	108-87-2	0.1	0.5	0.8
56	43262	methylcyclopentane*	96-37-7	0.1	0.5	0.8
57	43802	methylene chloride (dichloromethane)*	75-09-2	0.1	0.5	0.8
58	45212	m-ethyltoluene (3-ethyltoluene)*	620-14-4	0.1	0.5	0.8
59	43212	n-butane*	106-97-8	0.1	0.5	0.8
60	43238	n-decane*	124-18-5	0.1	0.5	0.8
61	43232	n-heptane*	142-82-5	0.1	0.5	0.8
62	43231	n-hexane*	110-54-3	0.1	0.5	0.8
63	43235	n-nonane*	111-84-2	0.1	0.5	0.8
64	43233	n-octane*	111-65-9	0.1	0.5	0.8
65	43220	n-pentane*	109-66-0	0.1	0.5	0.8
66	45209	n-propylbenzene*	103-65-1	0.1	0.5	0.8
67	43954	n-undecane*	1120-21-4	0.1	0.5	0.8
68	45211	o-ethyltoluene (2-ethyltoluene)*	611-14-3	0.1	0.5	0.8
69	45204	o-xylene*	95-47-6	0.1	0.5	0.8
70	45219	p-diethylbenzene*	105-05-5	0.1	0.5	0.8
71	45213	p-ethyltoluene (4-ethyltoluene)*	622-96-8	0.1	0.5	0.8
72	43204	propane*	74-98-6	0.1	0.5	0.8
73	43205	propylene (propene)	115-07-1	0.1	0.5	0.8
74	45109	p-xylene, m-xylene*	106-42-3 and 108-38-3	0.2	0.5	0.8
75	45220	styrene*	100-42-5	0.1	0.5	0.8
76	43830	t-1,3-dichloropropylene*	10061-02-6	0.1	0.5	0.8
77	43216	t-2-butene*	624-64-6	0.1	0.5	0.8
78	43289	t-2-hexene*	4050-45-7	0.1	0.5	0.8
79	43226	t-2-pentene*	646-04-8	0.1	0.5	0.8
80	43817	tetrachloroethylene (perchloroethylene)*	127-18-4	0.1	0.5	0.8
81	45202	toluene*	108-88-3	0.1	0.5	0.8
82	43824	trichloroethylene*	79-01-6	0.1	0.5	0.8
83	43811	trichlorofluoromethane*	75-69-4	0.1	0.5	0.8
84	43860	vinyl chloride*	75-01-4	0.1	0.5	0.8

*TCEQ NELAP Accredited Compound

Appendix C - Monthly Summary Reports

Summary of Auto GC Data through September 2023

Site Name	Start Date	Last QA Audit	To Date					September				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	05/24/2023	96	99	0.13 ppbv	0.81 ppbc	No	98	100	0.11 ppbv	0.67 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	05/22/2023	96	96 ²	0.09 ppbv	0.55 ppbc	No	91	90 ²	0.07 ppbv	0.42 ppbc	No
Dish Airfield (2D)	5/8/2013	05/22/2023	96	98	0.11 ppbv	0.66 ppbc	No	98	51 ³	0.10 ppbv	0.62 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	05/24/2023	97	99	0.09 ppbv	0.55 ppbc	No	97	99	0.09 ppbv	0.53 ppbc	No
Everman Johnson Park (2J)	5/8/2013	05/23/2023	96	99	0.09 ppbv	0.53 ppbc	No	98	99	0.09 ppbv	0.54 ppbc	No
Decatur Thompson (2T)	6/5/2013	05/22/2023	97	99	0.09 ppbv	0.57 ppbc	No	94	100	0.07 ppbv	0.45 ppbc	No
Godley FM 2331 (2G)	7/13/2013	05/23/2023	95	99	0.07 ppbv	0.41 ppbc	No	98	100	0.06 ppbv	0.37 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	05/23/2023	95	99	0.07 ppbv	0.42 ppbc	No	94	99	0.05 ppbv	0.30 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	05/24/2023	96	99	0.16 ppbv	0.94 ppbc	No	93	100	0.13 ppbv	0.79 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	05/23/2023	95	99	0.12 ppbv	0.73 ppbc	No	91	92	0.11 ppbv	0.64 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	05/23/2023	96	98	0.10 ppbv	0.57 ppbc	No	100	100	0.09 ppbv	0.51 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	05/22/2023	95	99	0.10 ppbv	0.59 ppbc	No	100	100	0.06 ppbv	0.38 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	05/24/2023	95	99	0.09 ppbv	0.55 ppbc	No	98	100	0.11 ppbv	0.67 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture at Dish Airfield was below 90% due to a hardware malfunction

Summary of Canister Data through September 2023

Site Name	Start Date	Last QA Audit	To Date					September				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	05/23/2023	622	614	97 ²	0.20 ppbv	99	5	5	100 ²	0.19 ppbv	100
Mineral Wells 23rd St.	8/21/2013	05/23/2023	616	612	99	0.19 ppbv	99	5	5	100	0.15 ppbv	100
Lancaster Cedardale	9/1/2013	06/12/2023	614	610	99	0.21 ppbv	99	5	5	100	0.22 ppbv	100
Gainesville Doss	10/1/2013	05/22/2023	607	599	98	0.22 ppbv	99	5	5	100	0.17 ppbv	100
Weatherford Tin Top Road	10/13/2013	05/23/2023	535	530	99	0.19 ppbv	99	5	5	100	0.15 ppbv	100
Bowie Patterson St.	10/31/2013	05/23/2023	607	597	99	0.20 ppbv	99	5	5	100	0.19 ppbv	100
Abilene N. 3rd St.	12/18/2013	05/22/2023	554	551	99	0.20 ppbv	99	5	5	100	0.13 ppbv	100
Wichita Falls MWSU	12/19/2013	05/22/2023	596	586	99	0.18 ppbv	99	5	5	100	0.17 ppbv	100

General Comments:

- To Date refers to start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air monitoring comparison values (AMCVs) are defined by the TCEQ as chemical-specific air concentrations set to protect human health and welfare
- To Date Value > AMCV refers to if any target compound concentration found greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through October 2023

Site Name	Start Date	Last QA Audit	To Date					October				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	05/24/2023	96	99	0.13 ppbv	0.81 ppbc	No	100	100	0.12 ppbv	0.74 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	10/31/2023	96	96 ²	0.09 ppbv	0.55 ppbc	No	93	96 ²	0.08 ppbv	0.49 ppbc	No
Dish Airfield (2D)	5/8/2013	05/22/2023	96	98	0.11 ppbv	0.66 ppbc	No	98	84 ³	0.10 ppbv	0.62 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	10/30/2023	97	99	0.09 ppbv	0.55 ppbc	No	100	100	0.10 ppbv	0.60 ppbc	No
Everman Johnson Park (2J)	5/8/2013	05/23/2023	96	99	0.09 ppbv	0.53 ppbc	No	100	100	0.10 ppbv	0.62 ppbc	No
Decatur Thompson (2T)	6/5/2013	05/22/2023	97	99	0.09 ppbv	0.57 ppbc	No	97	100	0.07 ppbv	0.44 ppbc	No
Godley FM 2331 (2G)	7/13/2013	05/23/2023	95	99	0.07 ppbv	0.41 ppbc	No	100	100	0.07 ppbv	0.41 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	05/23/2023	95	99	0.07 ppbv	0.42 ppbc	No	95	100	0.05 ppbv	0.29 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	05/24/2023	96	99	0.16 ppbv	0.94 ppbc	No	93	100	0.19 ppbv	1.13 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	05/23/2023	95	99	0.12 ppbv	0.73 ppbc	No	100	97	0.13 ppbv	0.76 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	10/30/2023	97	98	0.10 ppbv	0.57 ppbc	No	99	100	0.10 ppbv	0.58 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	05/22/2023	95	99	0.10 ppbv	0.59 ppbc	No	100	100	0.07 ppbv	0.43 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	05/24/2023	95	99	0.09 ppbv	0.55 ppbc	No	100	100	0.12 ppbv	0.71 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ; Eagle Mountain Lake October 2023 data were not yet validated at the time of report creation

³ Met data capture at Dish Airfield was below 90% due to a hardware malfunction

Summary of Canister Data through October 2023

Site Name	Start Date	Last QA Audit	To Date					October				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	10/31/2023	627	619	97 ²	0.20 ppbv	99	5	5	100 ²	0.21 ppbv	100
Mineral Wells 23rd St.	8/21/2013	10/31/2023	621	617	99	0.19 ppbv	99	5	5	100	0.16 ppbv	100
Lancaster Cedardale	9/1/2013	06/12/2023	619	615	99	0.21 ppbv	99	5	5	100	0.19 ppbv	100
Gainesville Doss	10/1/2013	05/22/2023	612	604	98	0.22 ppbv	99	5	5	100	0.22 ppbv	100
Weatherford Tin Top Road	10/13/2013	10/31/2023	540	535	99	0.19 ppbv	99	5	5	100	0.15 ppbv	100
Bowie Patterson St.	10/31/2013	10/31/2023	612	602	99	0.20 ppbv	99	5	5	100	0.18 ppbv	100
Abilene N. 3rd St.	12/18/2013	05/22/2023	559	556	99	0.20 ppbv	99	5	5	100	0.15 ppbv	100
Wichita Falls MWSU	12/19/2013	05/22/2023	601	591	99	0.18 ppbv	99	5	5	92	0.19 ppbv	100

General Comments:

- To Date refers to start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air monitoring comparison values (AMCVs) are defined by the TCEQ as chemical-specific air concentrations set to protect human health and welfare
- To Date Value > AMCV refers to if any target compound concentration found greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ; Keller October 2023 data were not yet validated at the time of report creation

Summary of Auto GC Data through November 2023

Site Name	Start Date	Last QA Audit	To Date					November				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/29/2023	96	99	0.13 ppbv	0.81 ppbc	No	99	100	0.20 ppbv	1.21 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	10/31/2023	96	96 ²	0.09 ppbv	0.55 ppbc	No	100	97 ²	0.12 ppbv	0.71 ppbc	No
Dish Airfield (2D)	5/8/2013	11/27/2023	96	98	0.11 ppbv	0.66 ppbc	No	100	100	0.13 ppbv	0.77 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	10/30/2023	97	99	0.09 ppbv	0.55 ppbc	No	100	100	0.13 ppbv	0.79 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/28/2023	96	99	0.09 ppbv	0.53 ppbc	No	100	99	0.17 ppbv	1.04 ppbc	No
Decatur Thompson (2T)	6/5/2013	11/01/2023	97	99	0.09 ppbv	0.57 ppbc	No	95	100	0.10 ppbv	0.61 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/28/2023	95	99	0.07 ppbv	0.41 ppbc	No	99	100	0.11 ppbv	0.65 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/27/2023	95	99	0.07 ppbv	0.42 ppbc	No	100	100	0.07 ppbv	0.44 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/29/2023	96	99	0.16 ppbv	0.95 ppbc	No	96	100	0.24 ppbv	1.45 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/29/2023	95	99	0.12 ppbv	0.73 ppbc	No	87	100	0.17 ppbv	1.05 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	10/30/2023	97	98	0.10 ppbv	0.58 ppbc	No	100	100	0.14 ppbv	0.84 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/27/2023	95	99	0.10 ppbv	0.59 ppbc	No	100	100	0.10 ppbv	0.62 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/28/2023	95	99	0.09 ppbv	0.56 ppbc	No	100	100	0.20 ppbv	1.20 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ; Eagle Mountain Lake November 2023 data were not yet validated at the time of report creation

Summary of Canister Data through November 2023

Site Name	Start Date	Last QA Audit	To Date					November				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	10/31/2023	632	624	97 ²	0.20 ppbv	99	5	5	100 ²	0.28 ppbv	100
Mineral Wells 23rd St.	8/21/2013	10/31/2023	626	622	99	0.19 ppbv	99	5	5	100	0.20 ppbv	100
Lancaster Cedardale	9/1/2013	11/30/2023	624	620	99	0.21 ppbv	99	5	5	100	0.27 ppbv	100
Gainesville Doss	10/1/2013	11/01/2023	617	609	98	0.22 ppbv	99	5	5	100	0.25 ppbv	100
Weatherford Tin Top Road	10/13/2013	10/31/2023	545	540	99	0.19 ppbv	99	5	5	100	0.22 ppbv	100
Bowie Patterson St.	10/31/2013	10/31/2023	617	607	99	0.20 ppbv	99	5	5	100	0.26 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/30/2023	564	561	99	0.20 ppbv	99	5	5	100	0.18 ppbv	100
Wichita Falls MWSU	12/19/2013	11/01/2023	606	596	99	0.18 ppbv	99	5	5	99	0.25 ppbv	100

General Comments:

- To Date refers to start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air monitoring comparison values (AMCVs) are defined by the TCEQ as chemical-specific air concentrations set to protect human health and welfare
- To Date Value > AMCV refers to if any target compound concentration found greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ; Keller November 2023 data were not yet validated at the time of report creation

Summary of Auto GC Data through December 2023

Site Name	Start Date	Last QA Audit	To Date					December				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/29/2023	96	99	0.14 ppbv	0.81 ppbc	No	100	100	0.19 ppbv	1.15 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	10/31/2023	96	96 ²	0.09 ppbv	0.56 ppbc	No	100	95 ²	0.12 ppbv	0.72 ppbc	No
Dish Airfield (2D)	5/8/2013	11/27/2023	96	98	0.11 ppbv	0.66 ppbc	No	86	100	0.14 ppbv	0.84 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	10/30/2023	97	99	0.09 ppbv	0.55 ppbc	No	100	100	0.14 ppbv	0.81 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/28/2023	96	99	0.09 ppbv	0.53 ppbc	No	99	100	0.15 ppbv	0.89 ppbc	No
Decatur Thompson (2T)	6/5/2013	11/01/2023	97	99	0.09 ppbv	0.57 ppbc	No	100	100	0.10 ppbv	0.61 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/28/2023	95	99	0.07 ppbv	0.42 ppbc	No	97	100	0.12 ppbv	0.71 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/27/2023	95	99	0.07 ppbv	0.42 ppbc	No	98	100	0.06 ppbv	0.37 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/29/2023	96	99	0.16 ppbv	0.96 ppbc	No	89	99	0.31 ppbv	1.84 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/29/2023	95	99	0.12 ppbv	0.74 ppbc	No	96	100	0.18 ppbv	1.09 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	10/30/2023	97	98	0.10 ppbv	0.58 ppbc	No	100	100	0.14 ppbv	0.85 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/27/2023	95	99	0.10 ppbv	0.59 ppbc	No	100	100	0.10 ppbv	0.62 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/28/2023	95	99	0.09 ppbv	0.56 ppbc	No	93	100	0.17 ppbv	1.01 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Canister Data through December 2023

Site Name	Start Date	Last QA Audit	To Date					December				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	10/31/2023	637	629	97 ²	0.20 ppbv	99	5	5	100	0.24 ppbv	100
Mineral Wells 23rd St.	8/21/2013	10/31/2023	631	627	99	0.19 ppbv	99	5	5	100	0.22 ppbv	100
Lancaster Cedardale	9/1/2013	11/30/2023	629	625	99	0.21 ppbv	99	5	5	70 ³	0.22 ppbv	100
Gainesville Doss	10/1/2013	11/01/2023	622	614	98	0.22 ppbv	99	5	5	100	0.24 ppbv	100
Weatherford Tin Top Road	10/13/2013	10/31/2023	550	545	99	0.19 ppbv	99	5	5	100	0.22 ppbv	100
Bowie Patterson St.	10/31/2013	10/31/2023	622	612	99	0.20 ppbv	99	5	5	100	0.22 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/30/2023	569	566	99	0.20 ppbv	99	5	5	100	0.20 ppbv	100
Wichita Falls MWSU	12/19/2013	11/01/2023	611	601	99	0.18 ppbv	99	5	5	100	0.20 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture at Lancaster Cedardale was below 90% due to a hardware malfunction

Summary of Auto GC Data through January 2024

Site Name	Start Date	Last QA Audit	To Date					January				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/29/2023	96	99	0.14 ppbv	0.82 ppbc	No	100	100	0.23 ppbv	1.41 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	10/31/2023	96	96 ²	0.09 ppbv	0.56 ppbc	No	100	88 ²	0.15 ppbv	0.89 ppbc	No
Dish Airfield (2D)	5/8/2013	11/27/2023	96	98	0.11 ppbv	0.67 ppbc	No	100	100	0.15 ppbv	0.92 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	10/30/2023	97	99	0.09 ppbv	0.55 ppbc	No	95	100	0.14 ppbv	0.85 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/28/2023	96	99	0.09 ppbv	0.54 ppbc	No	100	100	0.15 ppbv	0.91 ppbc	No
Decatur Thompson (2T)	6/5/2013	11/01/2023	97	99	0.09 ppbv	0.57 ppbc	No	93	100	0.13 ppbv	0.77 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/28/2023	95	99	0.07 ppbv	0.42 ppbc	No	100	100	0.14 ppbv	0.84 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/27/2023	95	99	0.07 ppbv	0.42 ppbc	No	83	88 ³	0.07 ppbv	0.42 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/29/2023	96	99	0.16 ppbv	0.97 ppbc	No	95	100	0.39 ppbv	2.34 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/29/2023	95	99	0.12 ppbv	0.74 ppbc	No	94	100	0.21 ppbv	1.24 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	10/30/2023	97	98	0.10 ppbv	0.58 ppbc	No	100	100	0.16 ppbv	0.98 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/27/2023	95	99	0.10 ppbv	0.59 ppbc	No	99	100	0.13 ppbv	0.76 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/28/2023	95	99	0.10 ppbv	0.57 ppbc	No	100	100	0.17 ppbv	1.03 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture at Fort Worth Benbrook Lake was below 90% due to a hardware malfunction

Summary of Canister Data through January 2024

Site Name	Start Date	Last QA Audit	To Date					January				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	10/31/2023	643	635	97 ²	0.20 ppbv	99	6	6	99	0.24 ppbv	100
Mineral Wells 23rd St.	8/21/2013	10/31/2023	637	633	99	0.19 ppbv	99	6	6	100	0.19 ppbv	100
Lancaster Cedardale	9/1/2013	11/30/2023	635	631	98	0.21 ppbv	99	6	6	81 ³	0.27 ppbv	100
Gainesville Doss	10/1/2013	11/01/2023	628	620	98	0.22 ppbv	99	6	6	100	0.27 ppbv	100
Weatherford Tin Top Road	10/13/2013	10/31/2023	556	551	99	0.19 ppbv	99	6	6	100	0.20 ppbv	100
Bowie Patterson St.	10/31/2013	10/31/2023	628	618	99	0.20 ppbv	99	6	6	100	0.23 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/30/2023	575	572	99	0.20 ppbv	99	6	6	100	0.19 ppbv	100
Wichita Falls MWSU	12/19/2013	11/01/2023	617	607	99	0.18 ppbv	99	6	6	100	0.21 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture at Lancaster Cedardale was below 90% due to a hardware malfunction

Summary of Auto GC Data through February 2024

Site Name	Start Date	Last QA Audit	To Date					February				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/29/2023	96	99	0.14 ppbv	0.82 ppbc	No	100	100	0.15 ppbv	0.88 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	10/31/2023	96	96 ²	0.09 ppbv	0.56 ppbc	No	100	97	0.11 ppbv	0.64 ppbc	No
Dish Airfield (2D)	5/8/2013	11/27/2023	96	98	0.11 ppbv	0.66 ppbc	No	100	100	0.11 ppbv	0.63 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	10/30/2023	97	99	0.09 ppbv	0.56 ppbc	No	99	100	0.11 ppbv	0.66 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/28/2023	96	99	0.09 ppbv	0.54 ppbc	No	99	100	0.11 ppbv	0.67 ppbc	No
Decatur Thompson (2T)	6/5/2013	11/01/2023	97	99	0.09 ppbv	0.57 ppbc	No	100	100	0.10 ppbv	0.62 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/28/2023	95	99	0.07 ppbv	0.42 ppbc	No	100	100	0.10 ppbv	0.61 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/27/2023	95	99	0.07 ppbv	0.42 ppbc	No	98	100	0.05 ppbv	0.33 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/29/2023	96	99	0.16 ppbv	0.97 ppbc	No	94	100	0.28 ppbv	1.70 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/29/2023	95	99	0.12 ppbv	0.74 ppbc	No	100	100	0.14 ppbv	0.86 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	10/30/2023	97	98	0.10 ppbv	0.58 ppbc	No	91 ³	100	0.11 ppbv	0.66 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/27/2023	95	99	0.10 ppbv	0.59 ppbc	No	100	100	0.10 ppbv	0.57 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/28/2023	95	99	0.10 ppbv	0.57 ppbc	No	100	100	0.14 ppbv	0.83 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ PM conducted this month

Summary of Canister Data through February 2024

Site Name	Start Date	Last QA Audit	To Date					February				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	10/31/2023	647	639	97 ²	0.20 ppbv	99	4	4	100	0.21 ppbv	100
Mineral Wells 23rd St.	8/21/2013	10/31/2023	641	637	99	0.19 ppbv	99	4	4	99	0.19 ppbv	100
Lancaster Cedardale	9/1/2013	11/30/2023	639	635	98	0.21 ppbv	99	4	4	100	0.20 ppbv	100
Gainesville Doss	10/1/2013	11/01/2023	632	624	98	0.22 ppbv	99	4	4	100	0.23 ppbv	100
Weatherford Tin Top Road	10/13/2013	10/31/2023	560	555	99	0.19 ppbv	99	4	4	100	0.15 ppbv	100
Bowie Patterson St.	10/31/2013	10/31/2023	632	622	99	0.20 ppbv	99	4	4	100	0.21 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/30/2023	579	576	99	0.20 ppbv	99	4	4	100	0.17 ppbv	100
Wichita Falls MWSU	12/19/2013	11/01/2023	621	611	99	0.19 ppbv	99	4	4	100	0.21 ppbv	100

General Comments:

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- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through March 2024

Site Name	Start Date	Last QA Audit	To Date					March				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/29/2023	96	100	0.14 ppbv	0.82 ppbc	No	98	100	0.12 ppbv	0.70 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	10/31/2023	96	96 ²	0.09 ppbv	0.56 ppbc	No	84 ³	81 ²	0.09 ppbv	0.51 ppbc	No
Dish Airfield (2D)	5/8/2013	11/27/2023	96	98	0.11 ppbv	0.66 ppbc	No	86	100	0.09 ppbv	0.52 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	10/30/2023	97	99	0.09 ppbv	0.56 ppbc	No	99	100	0.10 ppbv	0.60 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/28/2023	96	100	0.09 ppbv	0.54 ppbc	No	98	100	0.10 ppbv	0.62 ppbc	No
Decatur Thompson (2T)	6/5/2013	11/01/2023	97	99	0.09 ppbv	0.57 ppbc	No	99	100	0.10 ppbv	0.61 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/28/2023	95	99	0.07 ppbv	0.42 ppbc	No	94	98	0.09 ppbv	0.52 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/27/2023	95	99	0.07 ppbv	0.42 ppbc	No	89	99	0.06 ppbv	0.36 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/29/2023	96	100	0.16 ppbv	0.98 ppbc	No	98	100	0.25 ppbv	1.49 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/29/2023	95	99	0.12 ppbv	0.74 ppbc	No	95	100	0.12 ppbv	0.73 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	10/30/2023	97	98	0.10 ppbv	0.58 ppbc	No	98	100	0.10 ppbv	0.62 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/27/2023	95	99	0.10 ppbv	0.59 ppbc	No	97	100	0.08 ppbv	0.47 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/28/2023	95	99	0.10 ppbv	0.57 ppbc	No	96	100	0.13 ppbv	0.77 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ PM conducted this month

Summary of Canister Data through March 2024

Site Name	Start Date	Last QA Audit	To Date					March				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	10/31/2023	653	645	97 ²	0.20 ppbv	99	6	6	100	0.20 ppbv	100
Mineral Wells 23rd St.	8/21/2013	10/31/2023	647	643	99	0.19 ppbv	99	6	6	85 ³	0.18 ppbv	100
Lancaster Cedardale	9/1/2013	11/30/2023	645	641	98	0.21 ppbv	99	6	6	100	0.18 ppbv	100
Gainesville Doss	10/1/2013	11/01/2023	638	630	98	0.22 ppbv	99	6	6	100	0.20 ppbv	100
Weatherford Tin Top Road	10/13/2013	10/31/2023	566	561	99	0.19 ppbv	99	6	6	100	0.18 ppbv	100
Bowie Patterson St.	10/31/2013	10/31/2023	638	628	99	0.20 ppbv	99	6	6	100	0.19 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/30/2023	585	582	99	0.20 ppbv	99	6	6	100	0.18 ppbv	100
Wichita Falls MWSU	12/19/2013	11/01/2023	627	617	99	0.18 ppbv	99	6	6	100	0.18 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture at Mineral Wells was below 90% due to a hardware malfunction

Summary of Auto GC Data through April 2024

Site Name	Start Date	Last QA Audit	To Date					April				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/29/2023	96	100	0.14 ppbv	0.82 ppbc	No	100	100	0.10 ppbv	0.61 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	10/31/2023	96	96 ²	0.09 ppbv	0.56 ppbc	No	83	100 ²	0.08 ppbv	0.46 ppbc	No
Dish Airfield (2D)	5/8/2013	11/27/2023	96	98	0.11 ppbv	0.66 ppbc	No	90 ³	100	0.07 ppbv	0.43 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	10/30/2023	97	99	0.09 ppbv	0.55 ppbc	No	91 ³	100	0.05 ppbv	0.32 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/28/2023	96	100	0.09 ppbv	0.54 ppbc	No	100	100	0.08 ppbv	0.48 ppbc	No
Decatur Thompson (2T)	6/5/2013	11/01/2023	97	99	0.09 ppbv	0.57 ppbc	No	98	100	0.07 ppbv	0.42 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/28/2023	95	99	0.07 ppbv	0.42 ppbc	No	92	100	0.07 ppbv	0.40 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/27/2023	95	99	0.07 ppbv	0.42 ppbc	No	100	100	0.04 ppbv	0.22 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/29/2023	96	100	0.16 ppbv	0.98 ppbc	No	91	100	0.16 ppbv	0.94 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/29/2023	95	99	0.12 ppbv	0.74 ppbc	No	99	100	0.09 ppbv	0.55 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	10/30/2023	97	98	0.10 ppbv	0.58 ppbc	No	99	100	0.08 ppbv	0.47 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/27/2023	95	99	0.10 ppbv	0.59 ppbc	No	100	100	0.06 ppbv	0.35 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/28/2023	95	99	0.10 ppbv	0.57 ppbc	No	89	100	0.11 ppbv	0.63 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ PM conducted this month

Summary of Canister Data through April 2024

Site Name	Start Date	Last QA Audit	To Date					April				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	10/31/2023	658	650	97 ²	0.20 ppbv	99	5	5	100	0.17 ppbv	100
Mineral Wells 23rd St.	8/21/2013	10/31/2023	652	648	99	0.19 ppbv	99	5	5	99	0.13 ppbv	100
Lancaster Cedardale	9/1/2013	11/30/2023	650	646	98	0.21 ppbv	99	5	5	100	0.15 ppbv	100
Gainesville Doss	10/1/2013	11/01/2023	643	635	98	0.22 ppbv	99	5	5	100	0.19 ppbv	100
Weatherford Tin Top Road	10/13/2013	10/31/2023	571	566	99	0.19 ppbv	99	5	5	100	0.14 ppbv	100
Bowie Patterson St.	10/31/2013	10/31/2023	643	633	99	0.20 ppbv	99	5	5	100	0.19 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/30/2023	590	587	99	0.20 ppbv	99	5	5	100	0.14 ppbv	100
Wichita Falls MWSU	12/19/2013	11/01/2023	632	622	99	0.18 ppbv	99	5	5	100	0.14 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through May 2024

Site Name	Start Date	Last QA Audit	To Date					May				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/29/2023	96	99	0.14 ppbv	0.82 ppbc	No	93 ³	100	0.13 ppbv	0.76 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	10/31/2023	96	96 ²	0.09 ppbv	0.56 ppbc	No	95	100 ²	0.09 ppbv	0.53 ppbc	No
Dish Airfield (2D)	5/8/2013	11/27/2023	96	98	0.11 ppbv	0.66 ppbc	No	96	100	0.08 ppbv	0.50 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	10/30/2023	97	99	0.09 ppbv	0.55 ppbc	No	97	100	0.06 ppbv	0.38 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/28/2023	96	99	0.09 ppbv	0.54 ppbc	No	100	100	0.11 ppbv	0.63 ppbc	No
Decatur Thompson (2T)	6/5/2013	11/01/2023	97	99	0.09 ppbv	0.57 ppbc	No	100	100	0.08 ppbv	0.48 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/28/2023	95	99	0.07 ppbv	0.42 ppbc	No	70 ³	100	0.08 ppbv	0.46 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/27/2023	95	99	0.07 ppbv	0.42 ppbc	No	89 ³	100	0.05 ppbv	0.30 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/29/2023	96	99	0.16 ppbv	0.98 ppbc	No	100	100	0.16 ppbv	0.94 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/29/2023	95	99	0.12 ppbv	0.74 ppbc	No	92	99	0.12 ppbv	0.71 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	10/30/2023	97	98	0.10 ppbv	0.58 ppbc	No	97	99	0.10 ppbv	0.61 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/27/2023	95	99	0.10 ppbv	0.59 ppbc	No	95	100	0.08 ppbv	0.45 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/28/2023	95	99	0.10 ppbv	0.57 ppbc	No	99	100	0.13 ppbv	0.79 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ PM conducted this month

Summary of Canister Data through May 2024

Site Name	Start Date	Last QA Audit	To Date					May				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	10/31/2023	663	655	97 ²	0.20 ppbv	99	5	5	100	0.24 ppbv	100
Mineral Wells 23rd St.	8/21/2013	10/31/2023	657	653	99	0.19 ppbv	99	5	5	100	0.18 ppbv	100
Lancaster Cedardale	9/1/2013	11/30/2023	655	651	98	0.21 ppbv	99	5	5	100	0.19 ppbv	100
Gainesville Doss	10/1/2013	11/01/2023	648	640	98	0.22 ppbv	99	5	5	100	0.23 ppbv	100
Weatherford Tin Top Road	10/13/2013	10/31/2023	576	571	99	0.19 ppbv	99	5	5	100	0.16 ppbv	100
Bowie Patterson St.	10/31/2013	10/31/2023	648	638	99	0.20 ppbv	99	5	5	100	0.21 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/30/2023	595	592	99	0.20 ppbv	99	5	5	91	0.16 ppbv	100
Wichita Falls MWSU	12/19/2013	11/01/2023	637	626	99	0.18 ppbv	99	5	4	100	0.19 ppbv	100

General Comments:

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- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through June 2024

Site Name	Start Date	Last QA Audit	To Date					June				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	6/20/2024	96	100	0.14 ppbv	0.81 ppbc	No	98	100	0.09 ppbv	0.54 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	6/03/2024	96	96 ²	0.09 ppbv	0.56 ppbc	No	100	100 ²	0.06 ppbv	0.36 ppbc	No
Dish Airfield (2D)	5/8/2013	6/03/2024	96	98	0.11 ppbv	0.66 ppbc	No	99	100	0.07 ppbv	0.43 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	6/20/2024	97	99	0.09 ppbv	0.55 ppbc	No	93	100	0.04 ppbv	0.23 ppbc	No
Everman Johnson Park (2J)	5/8/2013	6/21/2024	96	100	0.09 ppbv	0.54 ppbc	No	88 ³	100	0.08 ppbv	0.45 ppbc	No
Decatur Thompson (2T)	6/5/2013	6/20/2024	97	99	0.09 ppbv	0.57 ppbc	No	87 ³	100	0.05 ppbv	0.33 ppbc	No
Godley FM 2331 (2G)	7/13/2013	6/04/2024	95	99	0.07 ppbv	0.42 ppbc	No	100	100	0.06 ppbv	0.37 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	6/04/2024	95	99	0.07 ppbv	0.42 ppbc	No	96	100	0.05 ppbv	0.29 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	6/21/2024	96	100	0.16 ppbv	0.97 ppbc	No	95	99	0.11 ppbv	0.66 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	6/04/2024	95	99	0.12 ppbv	0.74 ppbc	No	83 ³	100	0.09 ppbv	0.54 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	6/05/2024	96	98	0.10 ppbv	0.58 ppbc	No	72 ⁴	99	0.09 ppbv	0.55 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	6/20/2024	95	99	0.10 ppbv	0.59 ppbc	No	93	99	0.05 ppbv	0.33 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	6/04/2024	95	99	0.10 ppbv	0.57 ppbc	No	84 ³	100	0.11 ppbv	0.64 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ PM conducted this month

⁴ Auto-GC data capture below 80% at Mansfield Flying L Lane due to a machine malfunction

Summary of Canister Data through June 2024

Site Name	Start Date	Last QA Audit	To Date					June				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	6/03/2024	668	660	97 ²	0.20 ppbv	99	5	5	100 ²	0.11 ppbv	100
Mineral Wells 23rd St.	8/21/2013	6/04/2024	662	658	99	0.19 ppbv	99	5	5	100	0.11 ppbv	100
Lancaster Cedardale	9/1/2013	6/04/2024	660	656	98	0.21 ppbv	99	5	5	100	0.12 ppbv	100
Gainesville Doss	10/1/2013	6/03/2024	653	645	98	0.22 ppbv	99	5	5	100	0.12 ppbv	100
Weatherford Tin Top Road	10/13/2013	6/04/2024	581	576	99	0.19 ppbv	99	5	5	78 ³	0.10 ppbv	100
Bowie Patterson St.	10/31/2013	6/03/2024	653	643	99	0.20 ppbv	99	5	5	93	0.11 ppbv	100
Abilene N. 3rd St.	12/18/2013	6/03/2024	600	597	99	0.20 ppbv	99	5	5	100	0.10 ppbv	100
Wichita Falls MWSU	12/19/2013	6/03/2024	642	631	99	0.18 ppbv	99	5	5	100	0.10 ppbv	100

General Comments:

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- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture at Weatherford Tin Top Road was below 90% due to a hardware malfunction

Summary of Auto GC Data through July 2024

Site Name	Start Date	Last QA Audit	To Date					July				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	6/20/2024	96	99	0.13 ppbv	0.81 ppbc	No	100	100	0.06 ppbv	0.38 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	6/03/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	100	100 ²	0.04 ppbv	0.24 ppbc	No
Dish Airfield (2D)	5/8/2013	6/03/2024	96	98	0.11 ppbv	0.66 ppbc	No	90	100	0.05 ppbv	0.27 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	6/20/2024	97	99	0.09 ppbv	0.55 ppbc	No	100	100	0.02 ppbv	0.15 ppbc	No
Everman Johnson Park (2J)	5/8/2013	6/21/2024	96	99	0.09 ppbv	0.54 ppbc	No	99	100	0.06 ppbv	0.38 ppbc	No
Decatur Thompson (2T)	6/5/2013	6/20/2024	97	99	0.09 ppbv	0.56 ppbc	No	99	100	0.04 ppbv	0.25 ppbc	No
Godley FM 2331 (2G)	7/13/2013	6/04/2024	95	99	0.07 ppbv	0.42 ppbc	No	100	100	0.05 ppbv	0.28 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	6/04/2024	95	99	0.07 ppbv	0.41 ppbc	No	100	100	0.03 ppbv	0.15 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	6/21/2024	96	99	0.16 ppbv	0.97 ppbc	No	100	100	0.09 ppbv	0.52 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	6/04/2024	95	99	0.12 ppbv	0.74 ppbc	No	90	100	0.07 ppbv	0.44 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	6/05/2024	96	98	0.10 ppbv	0.58 ppbc	No	100	100	0.05 ppbv	0.32 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	6/20/2024	95	99	0.10 ppbv	0.59 ppbc	No	86 ³	100	0.05 ppbv	0.27 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	6/04/2024	95	99	0.10 ppbv	0.57 ppbc	No	100	100	0.06 ppbv	0.36 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ PM conducted this month

Summary of Canister Data through July 2024

Site Name	Start Date	Last QA Audit	To Date					July				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	6/03/2024	673	665	98 ²	0.20 ppbv	99	5	5	100 ²	0.13 ppbv	100
Mineral Wells 23rd St.	8/21/2013	6/04/2024	667	663	99	0.19 ppbv	99	5	5	100	0.10 ppbv	100
Lancaster Cedardale	9/1/2013	6/04/2024	665	661	98	0.21 ppbv	99	5	5	100	0.12 ppbv	100
Gainesville Doss	10/1/2013	6/03/2024	658	650	98	0.22 ppbv	99	5	5	100	0.13 ppbv	100
Weatherford Tin Top Road	10/13/2013	6/04/2024	586	581	99	0.19 ppbv	99	5	5	73 ³	0.11 ppbv	100
Bowie Patterson St.	10/31/2013	6/03/2024	658	648	99	0.20 ppbv	99	5	5	100	0.10 ppbv	100
Abilene N. 3rd St.	12/18/2013	6/03/2024	605	602	99	0.20 ppbv	99	5	5	100	0.09 ppbv	100
Wichita Falls MWSU	12/19/2013	6/03/2024	647	636	99	0.18 ppbv	99	5	5	100	0.13 ppbv	100

General Comments:

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- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture at Weatherford Tin Top Road was below 90% due to a hardware malfunction

Summary of Auto GC Data through August 2024

Site Name	Start Date	Last QA Audit	To Date					August				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	6/20/2024	96	99	0.13 ppbv	0.81 ppbc	No	93	100	0.08 ppbv	0.49 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	6/03/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	100	100 ²	0.07 ppbv	0.39 ppbc	No
Dish Airfield (2D)	5/8/2013	6/03/2024	96	98	0.11 ppbv	0.65 ppbc	No	98	100	0.06 ppbv	0.34 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	6/20/2024	97	99	0.09 ppbv	0.55 ppbc	No	100	100	0.04 ppbv	0.24 ppbc	No
Everman Johnson Park (2J)	5/8/2013	6/21/2024	96	99	0.09 ppbv	0.54 ppbc	No	99	100	0.07 ppbv	0.41 ppbc	No
Decatur Thompson (2T)	6/5/2013	6/20/2024	97	99	0.09 ppbv	0.56 ppbc	No	100	100	0.05 ppbv	0.31 ppbc	No
Godley FM 2331 (2G)	7/13/2013	6/04/2024	95	99	0.07 ppbv	0.42 ppbc	No	98	100	0.05 ppbv	0.32 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	6/04/2024	95	99	0.07 ppbv	0.41 ppbc	No	98	100	0.06 ppbv	0.35 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	6/21/2024	96	99	0.16 ppbv	0.97 ppbc	No	98	100	0.11 ppbv	0.67 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	6/04/2024	95	99	0.12 ppbv	0.74 ppbc	No	96	100	0.08 ppbv	0.49 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	6/05/2024	96	98	0.10 ppbv	0.58 ppbc	No	100	100	0.07 ppbv	0.41 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	6/20/2024	95	99	0.10 ppbv	0.58 ppbc	No	99	100	0.06 ppbv	0.37 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	6/04/2024	95	99	0.10 ppbv	0.57 ppbc	No	97	100	0.08 ppbv	0.46 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Canister Data through August 2024

Site Name	Start Date	Last QA Audit	To Date					August				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	6/03/2024	678	670	98 ²	0.20 ppbv	99	5	5	100 ²	0.17 ppbv	100
Mineral Wells 23rd St.	8/21/2013	6/04/2024	672	668	99	0.19 ppbv	99	5	5	100	0.12 ppbv	100
Lancaster Cedardale	9/1/2013	6/04/2024	670	666	98	0.21 ppbv	99	5	5	100	0.14 ppbv	100
Gainesville Doss	10/1/2013	6/03/2024	663	655	98	0.22 ppbv	99	5	5	100	0.14 ppbv	100
Weatherford Tin Top Road	10/13/2013	6/04/2024	591	586	99	0.19 ppbv	99	5	5	100	0.12 ppbv	100
Bowie Patterson St.	10/31/2013	6/03/2024	663	653	99	0.20 ppbv	99	5	5	100	0.15 ppbv	100
Abilene N. 3rd St.	12/18/2013	6/03/2024	610	607	99	0.20 ppbv	99	5	5	100	0.10 ppbv	100
Wichita Falls MWSU	12/19/2013	6/03/2024	652	641	99	0.18 ppbv	99	5	5	100	0.12 ppbv	100

General Comments:

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- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through September 2024

Site Name	Start Date	Last QA Audit	To Date					September				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	6/20/2024	96	99	0.13 ppbv	0.81 ppbc	No	99	100	0.13 ppbv	0.78 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	6/03/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	100	99 ²	0.08 ppbv	0.50 ppbc	No
Dish Airfield (2D)	5/8/2013	6/03/2024	96	98	0.11 ppbv	0.65 ppbc	No	100	100	0.06 ppbv	0.38 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	6/20/2024	97	99	0.09 ppbv	0.54 ppbc	No	99	100	0.05 ppbv	0.28 ppbc	No
Everman Johnson Park (2J)	5/8/2013	6/21/2024	96	99	0.09 ppbv	0.54 ppbc	No	99	100	0.11 ppbv	0.65 ppbc	No
Decatur Thompson (2T)	6/5/2013	6/20/2024	97	99	0.09 ppbv	0.56 ppbc	No	100	100	0.06 ppbv	0.34 ppbc	No
Godley FM 2331 (2G)	7/13/2013	6/04/2024	95	99	0.07 ppbv	0.42 ppbc	No	100	100	0.07 ppbv	0.44 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	6/04/2024	95	99	0.07 ppbv	0.41 ppbc	No	100	100	0.05 ppbv	0.30 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	6/21/2024	96	99	0.16 ppbv	0.97 ppbc	No	97	99	0.12 ppbv	0.72 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	6/04/2024	95	99	0.12 ppbv	0.74 ppbc	No	95	96	0.13 ppbv	0.76 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	6/05/2024	96	98	0.10 ppbv	0.58 ppbc	No	100	100	0.10 ppbv	0.58 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	6/20/2024	95	99	0.10 ppbv	0.58 ppbc	No	100	92	0.07 ppbv	0.39 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	6/04/2024	95	99	0.10 ppbv	0.57 ppbc	No	100	100	0.12 ppbv	0.75 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Canister Data through September 2024

Site Name	Start Date	Last QA Audit	To Date					September				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	6/03/2024	683	675	98 ²	0.20 ppbv	99	5	5	100 ²	0.14 ppbv	100
Mineral Wells 23rd St.	8/21/2013	6/04/2024	677	673	99	0.19 ppbv	99	5	5	100	0.12 ppbv	100
Lancaster Cedardale	9/1/2013	6/04/2024	675	671	98	0.21 ppbv	99	5	5	100	0.17 ppbv	100
Gainesville Doss	10/1/2013	6/03/2024	668	660	98	0.22 ppbv	99	5	5	100	0.15 ppbv	100
Weatherford Tin Top Road	10/13/2013	6/04/2024	596	591	99	0.19 ppbv	99	5	5	100	0.13 ppbv	100
Bowie Patterson St.	10/31/2013	6/03/2024	668	658	99	0.20 ppbv	99	5	5	100	0.14 ppbv	100
Abilene N. 3rd St.	12/18/2013	6/03/2024	615	612	99	0.20 ppbv	99	5	5	100	0.11 ppbv	100
Wichita Falls MWSU	12/19/2013	6/03/2024	657	646	99	0.18 ppbv	99	5	5	100	0.14 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through October 2024

Site Name	Start Date	Last QA Audit	To Date					October				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	6/20/2024	96	99	0.13 ppbv	0.81 ppbc	No	100	100	0.14 ppbv	0.82 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	6/03/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	93	100 ²	0.09 ppbv	0.53 ppbc	No
Dish Airfield (2D)	5/8/2013	6/03/2024	96	98	0.11 ppbv	0.65 ppbc	No	95	100	0.09 ppbv	0.56 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	6/20/2024	97	99	0.09 ppbv	0.54 ppbc	No	100	100	0.06 ppbv	0.36 ppbc	No
Everman Johnson Park (2J)	5/8/2013	6/21/2024	96	99	0.09 ppbv	0.54 ppbc	No	92	100	0.12 ppbv	0.70 ppbc	No
Decatur Thompson (2T)	6/5/2013	6/20/2024	97	99	0.09 ppbv	0.56 ppbc	No	97	100	0.07 ppbv	0.41 ppbc	No
Godley FM 2331 (2G)	7/13/2013	6/04/2024	95	99	0.07 ppbv	0.42 ppbc	No	96	100	0.07 ppbv	0.42 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	6/04/2024	95	99	0.07 ppbv	0.41 ppbc	No	100	100	0.05 ppbv	0.29 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	6/21/2024	96	99	0.16 ppbv	0.97 ppbc	No	100	100	0.15 ppbv	0.93 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	6/04/2024	95	99	0.12 ppbv	0.74 ppbc	No	93	100	0.12 ppbv	0.71 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	6/05/2024	96	98	0.10 ppbv	0.58 ppbc	No	99	100	0.10 ppbv	0.59 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	6/20/2024	95	99	0.10 ppbv	0.58 ppbc	No	93	99	0.08 ppbv	0.46 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	6/04/2024	95	99	0.10 ppbv	0.57 ppbc	No	97	100	0.12 ppbv	0.72 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Canister Data through October 2024

Site Name	Start Date	Last QA Audit	To Date					October				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	6/03/2024	688	680	98 ²	0.20 ppbv	99	5	5	100 ²	0.19 ppbv	100
Mineral Wells 23rd St.	8/21/2013	6/04/2024	682	678	99	0.19 ppbv	99	5	5	97	0.12 ppbv	100
Lancaster Cedardale	9/1/2013	6/04/2024	680	676	98	0.21 ppbv	99	5	5	100	0.18 ppbv	100
Gainesville Doss	10/1/2013	6/03/2024	673	665	98	0.22 ppbv	99	5	5	100	0.18 ppbv	100
Weatherford Tin Top Road	10/13/2013	6/04/2024	601	596	99	0.19 ppbv	99	5	5	100	0.12 ppbv	100
Bowie Patterson St.	10/31/2013	6/03/2024	673	663	99	0.20 ppbv	99	5	5	100	0.18 ppbv	100
Abilene N. 3rd St.	12/18/2013	6/03/2024	620	617	99	0.19 ppbv	99	5	5	100	0.10 ppbv	100
Wichita Falls MWSU	12/19/2013	6/03/2024	662	651	99	0.18 ppbv	99	5	5	100	0.14 ppbv	100

General Comments:

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- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through November 2024

Site Name	Start Date	Last QA Audit	To Date					November				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/12/2024	96	99	0.13 ppbv	0.81 ppbc	No	99	100	0.21 ppbv	1.26 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	11/13/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	99	99 ²	0.10 ppbv	0.58 ppbc	No
Dish Airfield (2D)	5/8/2013	11/11/2024	96	98	0.11 ppbv	0.65 ppbc	No	98	100	0.11 ppbv	0.63 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	11/11/2024	97	99	0.09 ppbv	0.54 ppbc	No	91	100	0.08 ppbv	0.47 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/12/2024	96	99	0.09 ppbv	0.54 ppbc	No	99	93	0.15 ppbv	0.90 ppbc	No
Decatur Thompson (2T)	6/5/2013	12/01/2024	97	99	0.09 ppbv	0.56 ppbc	No	90	100	0.08 ppbv	0.50 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/19/2024	95	99	0.07 ppbv	0.42 ppbc	No	99	100	0.09 ppbv	0.57 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/12/2024	95	99	0.07 ppbv	0.41 ppbc	No	99	99	0.05 ppbv	0.30 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/12/2024	96	99	0.16 ppbv	0.97 ppbc	No	96	96	0.21 ppbv	1.29 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/11/2024	95	99	0.12 ppbv	0.74 ppbc	No	97	100	0.15 ppbv	0.93 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	11/18/2024	97	98	0.10 ppbv	0.58 ppbc	No	99	100	0.13 ppbv	0.78 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/19/2024	95	99	0.10 ppbv	0.58 ppbc	No	97	99	0.09 ppbv	0.55 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/13/2024	95	99	0.10 ppbv	0.58 ppbc	No	98	100	0.16 ppbv	0.94 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Canister Data through November 2024

Site Name	Start Date	Last QA Audit	To Date					November				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	11/19/2024	693	685	98 ²	0.20 ppbv	99	5	5	100 ²	0.12 ppbv	100
Mineral Wells 23rd St.	8/21/2013	11/19/2024	687	683	99	0.19 ppbv	99	5	5	100	0.09 ppbv	100
Lancaster Cedardale	9/1/2013	11/13/2024	685	681	98	0.21 ppbv	99	5	5	99	0.14 ppbv	100
Gainesville Doss	10/1/2013	11/20/2024	678	670	98	0.22 ppbv	99	5	5	100	0.15 ppbv	100
Weatherford Tin Top Road	10/13/2013	11/19/2024	606	601	99	0.19 ppbv	99	5	5	100	0.10 ppbv	100
Bowie Patterson St.	10/31/2013	11/18/2024	678	668	99	0.20 ppbv	99	5	5	100	0.13 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/20/2024	625	622	99	0.19 ppbv	99	5	5	100	0.11 ppbv	100
Wichita Falls MWSU	12/19/2013	11/18/2024	667	656	99	0.18 ppbv	99	5	5	100	0.11 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through December 2024

Site Name	Start Date	Last QA Audit	To Date					December				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/12/2024	96	99	0.14 ppbv	0.81 ppbc	No	100	98	0.20 ppbv	1.23 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	11/13/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	100	100 ²	0.12 ppbv	0.69 ppbc	No
Dish Airfield (2D)	5/8/2013	11/11/2024	96	98	0.11 ppbv	0.65 ppbc	No	82	100	0.11 ppbv	0.69 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	11/11/2024	97	99	0.09 ppbv	0.54 ppbc	No	100	100	0.11 ppbv	0.66 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/12/2024	96	99	0.09 ppbv	0.54 ppbc	No	96	100	0.18 ppbv	1.09 ppbc	No
Decatur Thompson (2T)	6/5/2013	12/01/2024	97	99	0.09 ppbv	0.56 ppbc	No	100	100	0.10 ppbv	0.60 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/19/2024	95	99	0.07 ppbv	0.42 ppbc	No	94	100	0.12 ppbv	0.70 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/12/2024	95	99	0.07 ppbv	0.41 ppbc	No	100	100	0.07 ppbv	0.45 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/12/2024	96	99	0.16 ppbv	0.97 ppbc	No	86 ³	100	0.22 ppbv	1.32 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/11/2024	95	99	0.12 ppbv	0.74 ppbc	No	100	100	0.19 ppbv	1.15 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	11/18/2024	97	98	0.10 ppbv	0.58 ppbc	No	100	100	0.16 ppbv	0.95 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/19/2024	95	99	0.10 ppbv	0.58 ppbc	No	100	100	0.11 ppbv	0.64 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/13/2024	95	99	0.10 ppbv	0.58 ppbc	No	99	100	0.18 ppbv	1.09 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ PM conducted this month

Summary of Canister Data through December 2024

Site Name	Start Date	Last QA Audit	To Date					December				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	11/19/2024	698	690	98 ²	0.20 ppbv	99	5	5	100 ²	0.28 ppbv	100
Mineral Wells 23rd St.	8/21/2013	11/19/2024	692	688	99	0.19 ppbv	99	5	5	100	0.32 ppbv	100
Lancaster Cedardale	9/1/2013	11/13/2024	690	686	99	0.21 ppbv	99	5	5	100	0.39 ppbv	100
Gainesville Doss	10/1/2013	11/20/2024	683	675	98	0.22 ppbv	99	5	5	100	0.31 ppbv	100
Weatherford Tin Top Road	10/13/2013	11/19/2024	611	606	99	0.19 ppbv	99	5	5	100	0.28 ppbv	100
Bowie Patterson St.	10/31/2013	11/18/2024	683	672	99	0.20 ppbv	99	5	4	100	0.31 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/20/2024	630	627	99	0.19 ppbv	99	5	5	100	0.26 ppbv	100
Wichita Falls MWSU	12/19/2013	11/18/2024	672	661	99	0.18 ppbv	99	5	5	100	0.27 ppbv	100

General Comments:

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- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through January 2025

Site Name	Start Date	Last QA Audit	To Date					January				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/12/2024	96	99	0.14 ppbv	0.82 ppbc	No	99	100	0.20 ppbv	1.20 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	11/13/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	95	98 ²	0.12 ppbv	0.69 ppbc	No
Dish Airfield (2D)	5/8/2013	11/11/2024	96	98	0.11 ppbv	0.65 ppbc	No	99	100	0.10 ppbv	0.60 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	11/11/2024	97	99	0.09 ppbv	0.54 ppbc	No	99	100	0.11 ppbv	0.69 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/12/2024	96	99	0.09 ppbv	0.55 ppbc	No	99	100	0.17 ppbv	1.01 ppbc	No
Decatur Thompson (2T)	6/5/2013	12/01/2024	97	99	0.09 ppbv	0.56 ppbc	No	99	100	0.09 ppbv	0.53 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/19/2024	95	99	0.07 ppbv	0.43 ppbc	No	91	93	0.13 ppbv	0.79 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/12/2024	95	99	0.07 ppbv	0.41 ppbc	No	95	100	0.07 ppbv	0.39 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/12/2024	96	99	0.16 ppbv	0.97 ppbc	No	98	100	0.25 ppbv	1.49 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/11/2024	95	99	0.12 ppbv	0.74 ppbc	No	89	100	0.19 ppbv	1.14 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	11/18/2024	97	98	0.10 ppbv	0.59 ppbc	No	99	96	0.16 ppbv	0.95 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/19/2024	95	99	0.10 ppbv	0.58 ppbc	No	95	100	0.11 ppbv	0.66 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/13/2024	95	99	0.10 ppbv	0.58 ppbc	No	99	100	0.16 ppbv	0.93 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Canister Data through January 2025

Site Name	Start Date	Last QA Audit	To Date					January				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	11/19/2024	704	696	98 ²	0.21 ppbv	99	6	6	98 ²	1.35 ppbv ³	100
Mineral Wells 23rd St.	8/21/2013	11/19/2024	698	694	99	0.20 ppbv	99	6	6	100	1.54 ppbv ³	100
Lancaster Cedardale	9/1/2013	11/13/2024	696	692	99	0.22 ppbv	99	6	6	99	1.73 ppbv ³	100
Gainesville Doss	10/1/2013	11/20/2024	689	681	98	0.22 ppbv	99	6	6	100	0.98 ppbv ³	100
Weatherford Tin Top Road	10/13/2013	11/19/2024	617	612	99	0.19 ppbv	99	6	6	100	0.25 ppbv	100
Bowie Patterson St.	10/31/2013	11/18/2024	689	678	99	0.21 ppbv	99	6	6	100	1.68 ppbv ³	100
Abilene N. 3rd St.	12/18/2013	11/20/2024	636	633	99	0.20 ppbv	99	6	6	100	0.27 ppbv	100
Wichita Falls MWSU	12/19/2013	11/18/2024	678	667	99	0.18 ppbv	99	6	6	100	0.28 ppbv	100

General Comments:

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- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Benzene flagged in the majority of canister samples due to elevated concentrations in laboratory blanks

Summary of Auto GC Data through February 2025

Site Name	Start Date	Last QA Audit	To Date					February				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/12/2024	96	99	0.14 ppbv	0.82 ppbc	No	98	100	0.15 ppbv	0.89 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	11/13/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	100	95 ²	0.10 ppbv	0.60 ppbc	No
Dish Airfield (2D)	5/8/2013	11/11/2024	96	98	0.11 ppbv	0.65 ppbc	No	100	100	0.09 ppbv	0.51 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	11/11/2024	97	99	0.09 ppbv	0.54 ppbc	No	85	89 ³	0.11 ppbv	0.66 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/12/2024	96	99	0.09 ppbv	0.55 ppbc	No	99	100	0.12 ppbv	0.73 ppbc	No
Decatur Thompson (2T)	6/5/2013	12/01/2024	97	99	0.09 ppbv	0.56 ppbc	No	86	100	0.09 ppbv	0.56 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/19/2024	95	99	0.07 ppbv	0.43 ppbc	No	97	100	0.11 ppbv	0.65 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/12/2024	95	99	0.07 ppbv	0.41 ppbc	No	91	100	0.08 ppbv	0.48 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/12/2024	96	99	0.16 ppbv	0.98 ppbc	No	100	100	0.20 ppbv	1.20 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/11/2024	95	99	0.12 ppbv	0.74 ppbc	No	100	100	0.13 ppbv	0.79 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	11/18/2024	97	98	0.10 ppbv	0.59 ppbc	No	91	98	0.13 ppbv	0.80 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/19/2024	95	99	0.10 ppbv	0.58 ppbc	No	100	100	0.10 ppbv	0.59 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/13/2024	95	99	0.10 ppbv	0.58 ppbc	No	100	100	0.13 ppbv	0.78 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture below 90% due to a disconnection of power to the site

Summary of Canister Data through February 2025

Site Name	Start Date	Last QA Audit	To Date					February				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	11/19/2024	708	700	98 ²	0.21 ppbv	99	4	4	88 ^{2,3}	0.20 ppbv	100
Mineral Wells 23rd St.	8/21/2013	11/19/2024	702	698	99	0.20 ppbv	99	4	4	100	0.15 ppbv	100
Lancaster Cedardale	9/1/2013	11/13/2024	700	696	99	0.22 ppbv	99	4	4	100	0.16 ppbv	100
Gainesville Doss	10/1/2013	11/20/2024	693	685	98	0.22 ppbv	99	4	4	100	0.19 ppbv	100
Weatherford Tin Top Road	10/13/2013	11/19/2024	621	616	99	0.19 ppbv	99	4	4	100	0.15 ppbv	100
Bowie Patterson St.	10/31/2013	11/18/2024	693	682	99	0.21 ppbv	99	4	4	100	0.17 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/20/2024	640	637	99	0.20 ppbv	99	4	4	100	0.18 ppbv	100
Wichita Falls MWSU	12/19/2013	11/18/2024	682	671	99	0.18 ppbv	99	4	4	100	0.17 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture below 90%

Summary of Auto GC Data through March 2025

Site Name	Start Date	Last QA Audit	To Date					March				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/12/2024	96	99	0.14 ppbv	0.82 ppbc	No	94	100	0.10 ppbv	0.63 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	11/13/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	100	74 ^{2,3}	0.07 ppbv	0.43 ppbc	No
Dish Airfield (2D)	5/8/2013	11/11/2024	96	98	0.11 ppbv	0.65 ppbc	No	100	100	0.07 ppbv	0.41 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	11/11/2024	97	99	0.09 ppbv	0.54 ppbc	No	98	100	0.08 ppbv	0.46 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/12/2024	96	99	0.09 ppbv	0.55 ppbc	No	99	100	0.09 ppbv	0.56 ppbc	No
Decatur Thompson (2T)	6/5/2013	12/01/2024	97	99	0.09 ppbv	0.56 ppbc	No	100	100	0.07 ppbv	0.42 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/19/2024	95	99	0.07 ppbv	0.43 ppbc	No	97	100	0.08 ppbv	0.48 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/12/2024	95	99	0.07 ppbv	0.41 ppbc	No	100	100	0.05 ppbv	0.31 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/12/2024	96	99	0.16 ppbv	0.98 ppbc	No	98	100	0.18 ppbv	1.07 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/11/2024	95	99	0.12 ppbv	0.74 ppbc	No	100	100	0.10 ppbv	0.61 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	11/18/2024	97	98	0.10 ppbv	0.59 ppbc	No	94	85 ³	0.09 ppbv	0.56 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/19/2024	95	99	0.10 ppbv	0.58 ppbc	No	95	100	0.07 ppbv	0.40 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/13/2024	95	99	0.10 ppbv	0.59 ppbc	No	86	99	0.11 ppbv	0.68 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture below 90% due to hardware malfunctions

Summary of Canister Data through March 2025

Site Name	Start Date	Last QA Audit	To Date					March				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	11/19/2024	713	705	98 ²	0.21 ppbv	99	5	5	100 ²	0.14 ppbv	100
Mineral Wells 23rd St.	8/21/2013	11/19/2024	707	703	99	0.20 ppbv	99	5	5	97	0.14 ppbv	100
Lancaster Cedardale	9/1/2013	11/13/2024	705	701	98	0.22 ppbv	99	5	5	96	0.14 ppbv	100
Gainesville Doss	10/1/2013	11/20/2024	698	690	98	0.22 ppbv	99	5	5	100	0.14 ppbv	100
Weatherford Tin Top Road	10/13/2013	11/19/2024	626	621	99	0.19 ppbv	99	5	5	100	0.13 ppbv	100
Bowie Patterson St.	10/31/2013	11/18/2024	698	687	99	0.21 ppbv	99	5	5	100	0.11 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/20/2024	645	642	99	0.19 ppbv	99	5	5	100	0.13 ppbv	100
Wichita Falls MWSU	12/19/2013	11/18/2024	687	676	99	0.18 ppbv	99	5	5	79 ³	0.14 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ Met data capture below 90% due to power supply and hardware malfunctions

Summary of Auto GC Data through April 2025

Site Name	Start Date	Last QA Audit	To Date					April				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	11/12/2024	96	99	0.14 ppbv	0.81 ppbc	No	100	100	0.10 ppbv	0.60 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	11/13/2024	96	96 ²	0.09 ppbv	0.55 ppbc	No	99	99 ²	0.06 ppbv	0.38 ppbc	No
Dish Airfield (2D)	5/8/2013	11/11/2024	96	98	0.11 ppbv	0.65 ppbc	No	100	100	0.07 ppbv	0.41 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	11/11/2024	97	99	0.09 ppbv	0.54 ppbc	No	87 ³	100	0.12 ppbv	0.70 ppbc	No
Everman Johnson Park (2J)	5/8/2013	11/12/2024	96	99	0.09 ppbv	0.55 ppbc	No	99	100	0.08 ppbv	0.48 ppbc	No
Decatur Thompson (2T)	6/5/2013	12/01/2024	97	99	0.09 ppbv	0.56 ppbc	No	100	100	0.06 ppbv	0.35 ppbc	No
Godley FM 2331 (2G)	7/13/2013	11/19/2024	95	99	0.07 ppbv	0.43 ppbc	No	88 ³	100	0.07 ppbv	0.41 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	11/12/2024	95	99	0.07 ppbv	0.41 ppbc	No	100	100	0.04 ppbv	0.26 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	11/12/2024	96	99	0.16 ppbv	0.98 ppbc	No	100	100	0.16 ppbv	0.98 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	11/11/2024	95	99	0.12 ppbv	0.74 ppbc	No	86	100	0.09 ppbv	0.53 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	11/18/2024	97	98	0.10 ppbv	0.59 ppbc	No	99	99	0.08 ppbv	0.48 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	11/19/2024	95	99	0.10 ppbv	0.58 ppbc	No	100	100	0.05 ppbv	0.32 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	11/13/2024	95	99	0.10 ppbv	0.59 ppbc	No	95	100	0.09 ppbv	0.55 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

³ PM conducted this month

Summary of Canister Data through April 2025

Site Name	Start Date	Last QA Audit	To Date					April				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	11/19/2024	718	710	98 ²	0.20 ppbv	99	5	5	100 ²	0.09 ppbv	100
Mineral Wells 23rd St.	8/21/2013	11/19/2024	712	708	99	0.20 ppbv	99	5	5	100	0.09 ppbv	100
Lancaster Cedardale	9/1/2013	11/13/2024	710	706	98	0.22 ppbv	99	5	5	98	0.11 ppbv	100
Gainesville Doss	10/1/2013	11/20/2024	703	695	98	0.22 ppbv	99	5	5	100	0.09 ppbv	100
Weatherford Tin Top Road	10/13/2013	11/19/2024	631	626	99	0.19 ppbv	99	5	5	100	0.08 ppbv	100
Bowie Patterson St.	10/31/2013	11/18/2024	703	692	99	0.21 ppbv	99	5	5	100	0.10 ppbv	100
Abilene N. 3rd St.	12/18/2013	11/20/2024	650	647	99	0.19 ppbv	99	5	5	100	0.10 ppbv	100
Wichita Falls MWSU	12/19/2013	11/18/2024	692	681	99	0.18 ppbv	99	5	5	100	0.09 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ

Summary of Auto GC Data through May 2025

Site Name	Start Date	Last QA Audit	To Date					May				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	05/14/2025	96	99	0.14 ppbv	0.81 ppbc	No	100	99	0.11 ppbv	0.66 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	05/13/2025	96	96 ²	0.09 ppbv	0.55 ppbc	No	96	100 ²	0.07 ppbv	0.39 ppbc	No
Dish Airfield (2D)	5/8/2013	05/12/2025	96	98	0.11 ppbv	0.64 ppbc	No	99	99	0.06 ppbv	0.38 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	05/13/2025	97	99	0.09 ppbv	0.55 ppbc	No	90	100	0.11 ppbv	0.65 ppbc	No
Everman Johnson Park (2J)	5/8/2013	05/15/2025	96	99	0.09 ppbv	0.55 ppbc	No	91	82 ³	0.09 ppbv	0.52 ppbc	No
Decatur Thompson (2T)	6/5/2013	05/12/2025	97	99	0.09 ppbv	0.55 ppbc	No	97	91	0.06 ppbv	0.38 ppbc	No
Godley FM 2331 (2G)	7/13/2013	05/15/2025	95	99	0.07 ppbv	0.43 ppbc	No	98	100	0.08 ppbv	0.47 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	05/14/2025	95	99	0.07 ppbv	0.41 ppbc	No	99	99	0.04 ppbv	0.25 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	05/13/2025	96	99	0.16 ppbv	0.98 ppbc	No	99	100	0.22 ppbv	1.31 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	05/14/2025	95	99	0.12 ppbv	0.74 ppbc	No	98	100	0.11 ppbv	0.68 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	05/15/2025	97	98	0.10 ppbv	0.59 ppbc	No	100	97	0.09 ppbv	0.54 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	05/13/2025	95	99	0.10 ppbv	0.58 ppbc	No	99	100	0.06 ppbv	0.33 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	05/14/2025	95	99	0.10 ppbv	0.59 ppbc	No	97	100	0.11 ppbv	0.65 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ, not validated at time of report creation

³ Met data capture at Everman Johnson Park (2J) <90% due to a sensor malfunction

Summary of Canister Data through May 2025

Site Name	Start Date	Last QA Audit	To Date					May				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	05/14/2025	724	716	98 ²	0.20 ppbv	99	6	6	100 ²	0.13 ppbv	100
Mineral Wells 23rd St.	8/21/2013	05/14/2025	718	714	98	0.20 ppbv	99	6	6	72 ³	0.12 ppbv	100
Lancaster Cedardale	9/1/2013	05/14/2025	716	712	99	0.22 ppbv	99	6	6	100	0.13 ppbv	88.3
Gainesville Doss	10/1/2013	05/14/2025	709	701	98	0.22 ppbv	99	6	6	100	0.12 ppbv	100
Weatherford Tin Top Road	10/13/2013	05/14/2025	637	632	99	0.19 ppbv	99	6	6	100	0.12 ppbv	100
Bowie Patterson St.	10/31/2013	05/13/2025	709	698	99	0.21 ppbv	99	6	6	100	0.13 ppbv	100
Abilene N. 3rd St.	12/18/2013	05/13/2025	656	653	99	0.19 ppbv	99	6	6	100	0.13 ppbv	100
Wichita Falls MWSU	12/19/2013	05/13/2025	698	687	99	0.18 ppbv	99	6	6	100	0.11 ppbv	88.3

General Comments:

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- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ, not validated at time of report creation

³ Met data capture at Mineral Wells 23rd St <90% due to sensor malfunction

Summary of Auto GC Data through June 2025

Site Name	Start Date	Last QA Audit	To Date					June				
			Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)	Auto GC Data Capture (%)	Met Data Capture (%) ¹	Average Benzene Concentration		Any Value > AMCV (Y/N)
Arlington UT Campus (2A)	9/20/2012	05/14/2025	96	99	0.13 ppbv	0.81 ppbc	No	99	100	0.05 ppbv	0.33 ppbc	No
Eagle Mountain Lake (2E)	4/8/2013	05/13/2025	96	96 ²	0.09 ppbv	0.55 ppbc	No	92	100 ²	0.05 ppbv	0.29 ppbc	No
Dish Airfield (2D)	5/8/2013	05/12/2025	96	98	0.11 ppbv	0.64 ppbc	No	91	100	0.06 ppbv	0.33 ppbc	No
Flower Mound Shiloh (2F)	5/8/2013	05/13/2025	97	99	0.09 ppbv	0.54 ppbc	No	100	100	0.08 ppbv	0.46 ppbc	No
Everman Johnson Park (2J)	5/8/2013	05/15/2025	96	99	0.09 ppbv	0.55 ppbc	No	76 ⁴	63 ³	0.07 ppbv	0.43 ppbc	No
Decatur Thompson (2T)	6/5/2013	05/12/2025	97	99	0.09 ppbv	0.55 ppbc	No	100	42 ³	0.05 ppbv	0.31 ppbc	No
Godley FM 2331 (2G)	7/13/2013	05/15/2025	95	99	0.07 ppbv	0.43 ppbc	No	100	100	0.04 ppbv	0.24 ppbc	No
Fort Worth Benbrook Lake (2B)	10/1/2013	05/14/2025	95	99	0.07 ppbv	0.41 ppbc	No	80 ⁴	100	0.02 ppbv	0.14 ppbc	No
Dallas Elm Fork (2C)	11/18/2013	05/13/2025	96	99	0.16 ppbv	0.98 ppbc	No	97	100	0.10 ppbv	0.62 ppbc	No
Kennedale Treepoint Drive (62)	4/1/2014	05/14/2025	95	99	0.12 ppbv	0.74 ppbc	No	100	100	0.05 ppbv	0.33 ppbc	No
Mansfield Flying L Lane (63)	4/1/2014	05/15/2025	97	98	0.10 ppbv	0.58 ppbc	No	98	99	0.05 ppbv	0.33 ppbc	No
Rhome Seven Hills Road (64)	4/1/2014	05/13/2025	95	99	0.10 ppbv	0.57 ppbc	No	100	100	0.04 ppbv	0.21 ppbc	No
Fort Worth Joe B. Rushing Road (65)	4/1/2014	05/14/2025	95	99	0.10 ppbv	0.58 ppbc	No	97	96	0.06 ppbv	0.34 ppbc	No

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ, not validated at time of report creation

³ Met data capture at Everman Johnson Park (2J) and Decatur Thompson (2T) <90% due to a sensor malfunction

⁴ PM conducted

Summary of Canister Data through June 2025

Site Name	Start Date	Last QA Audit	To Date					June				
			# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)	# EPA Samples Scheduled	# Valid Samples	Met Data Capture (%) ¹	Average Measured Benzene Concentration	Benzene Detection Frequency (%)
Keller	7/14/2013	05/14/2025	729	721	98 ²	0.20 ppbv	99	5	5	100 ²	0.12 ppbv	100
Mineral Wells 23rd St.	8/21/2013	05/14/2025	723	719	98	0.20 ppbv	99	5	5	68 ³	0.10 ppbv	100
Lancaster Cedardale	9/1/2013	05/14/2025	721	717	99	0.22 ppbv	99	5	5	100	0.10 ppbv	100
Gainesville Doss	10/1/2013	05/14/2025	714	706	98	0.22 ppbv	99	5	5	100	0.13 ppbv	100
Weatherford Tin Top Road	10/13/2013	05/14/2025	642	637	99	0.19 ppbv	99	5	5	100	0.09 ppbv	100
Bowie Patterson St.	10/31/2013	05/13/2025	714	703	99	0.21 ppbv	99	5	5	100	0.13 ppbv	100
Abilene N. 3rd St.	12/18/2013	05/13/2025	661	658	99	0.19 ppbv	99	5	5	100	0.10 ppbv	100
Wichita Falls MWSU	12/19/2013	05/13/2025	703	692	99	0.18 ppbv	99	5	5	100	0.11 ppbv	100

General Comments:

- “To Date” refers to monitoring start date through current month
- Benzene reported as compound of most interest from a health perspective
- Air Monitoring Comparison Values (AMCVs) are defined by the TCEQ as chemical-specific air concentration screening levels set to protect human health and welfare
- “Any Value > AMCV” refers to whether any target compound concentration is greater than AMCV

¹ Statistics for wind speed and wind direction data

² Met data validated by TCEQ, not validated at time of report creation

³ Met data capture at Mineral Wells 23rd St <90% due to sensor malfunction

Appendix D - Audit Reports

QUALITY ASSURANCE AUDIT REPORT

North Texas Commission Ambient Air and Meteorological Monitoring

Prepared for:

North Texas Commission

8445 Freeport Parkway

Irving, TX 75063

Prepared by:

AECOM

13640 Briarwick Drive (78729)

P.O. Box 201088

Austin, TX 78720-1088

Conducted:

October and November 2023

EXECUTIVE SUMMARY

On October 30th through November 1st and November 27th through 30th, an audit team from the AECOM ambient air group in Austin, Texas conducted performance and technical system audits of the North Texas Commission (NTC) ambient air monitoring network. The audits provide an independent assessment of the monitoring program.

The monitoring program at NTC consists of continuous gas chromatographs (GC), volatile organic compound (VOC) canister collection systems, and meteorological sensors including wind speed, wind direction, and temperature.

The performance and technical systems audit results indicate acceptable responses for measurement systems with the exceptions summarized below.

The sample cane inlet funnel at Wichita Falls was found to have sediment inside the walls of the funnel. It was recommended that the funnel be cleaned.

The wind speed sensor at Wichita Falls was outside of audit guidance (<0.4 g/cm) for starting threshold (0.4 g/cm clockwise).

Out of the 48 compounds being analyzed, ten compounds (ethylene, propylene acetylene, isoprene, styrene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, n-Decane, 1,2,3-trimethylbenzene, and n-undecane) were found to be outside of the audit objective of 70% - 130% recovery at several sites. In addition, the Benbrook and Rushing sites had the following GC compound recoveries outside of the audit specification:

Locations	Compounds
Benbrook	Ethylbenzene M&P-Xylene Isopropylbenzene N-Propylbenzene
Rushing	Cis-2-Pentene

These network GC audit results are comparable historically to other AECOM auto-GC audits. The GC audit results are contained in table ES-1. Technical systems audit results demonstrate satisfactory operational procedures for collecting valid data.

A performance evaluation (PE) sample is prepared by the AECOM QA group on a quarterly basis and submitted to the VOC laboratory for analysis. This performance evaluation sample contained known (spiked) concentrations of the target VOCs. A review of the sample recoveries for the spiked target VOCs shows that one out of the forty-four compounds were not within the range of expected values (70-130%).

- 1-Hexene (Not Detected)

AECOM QA staff shared the performance evaluation results with the VOC laboratory, and no other corrective action was taken. We will continue to evaluate these compounds in our PE samples and work with the lab to resolve this discrepancy. The laboratory's most recent performance evaluation canister results for the third quarter of 2023 are contained below in Table ES-2.

Table ES-2. Audit Standard Results for all Network GCs

			Benbrook		Decatur		Dish		Eagle Mountain Lake	
Compound Name	CAS Number	Audit Conc (ppbc)	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.39	38.5	74.9%	41.0	79.8%	46.1	89.7%	44.3	86.2%
Ethylene	74-85-1	17.29	8.6	49.6%	11.6	67.0%	15.6	90.4%	10.6	61.2%
Propane	74-98-6	12.73	10.0	78.3%	10.1	79.0%	11.9	93.2%	10.5	82.6%
Propylene	115-07-1	13.09	9.1	69.6%	9.7	74.3%	10.3	79.1%	9.6	73.7%
Iso-Butane	75-28-5	17.13	16.3	94.9%	15.5	90.5%	17.6	102.9%	16.5	96.2%
N-Butane	106-97-8	17.29	17.1	98.7%	15.9	91.8%	18.2	105.5%	17.1	98.7%
Acetylene	74-86-2	8.73	5.0	57.2%	5.8	66.9%	7.0	79.9%	6.2	71.2%
Trans-2-Butene	624-64-6	17.13	16.0	93.6%	15.9	92.9%	17.7	103.4%	16.3	95.3%
1-Butene	106-98-9	17.29	16.7	96.7%	15.6	90.5%	17.8	102.9%	16.1	93.2%
Cis-2-Butene	590-18-1	17.45	16.7	95.8%	16.5	94.3%	18.7	107.2%	17.1	97.8%
Cyclopentane	287-92-3	21.41	20.1	93.8%	19.6	91.4%	22.0	102.9%	20.6	96.3%
Iso-Pentane	78-78-4	22.22	20.8	93.7%	20.3	91.4%	22.6	101.5%	21.3	95.7%
N-Pentane	109-66-0	21.62	20.9	96.6%	20.4	94.6%	22.7	105.0%	21.4	99.0%
1,3-Butadiene	106-99-0	16.65	15.9	95.6%	15.1	90.9%	16.7	100.2%	16.2	97.1%
Trans-2-Pentene	646-04-8	22.22	20.6	92.8%	19.7	88.8%	21.6	97.4%	20.7	93.1%
1-Pentene	109-67-1	21.82	19.1	87.5%	18.6	85.3%	19.9	91.4%	19.0	87.1%
Cis-2-Pentene	627-20-3	21.01	16.0	76.2%	16.4	78.2%	17.8	84.5%	17.6	83.7%
2,2-Dimethylbutane	75-83-2	25.94	24.2	93.3%	22.2	85.4%	24.7	95.3%	24.5	94.5%
2-Methylpentane	107-83-5	25.70	23.1	90.0%	22.6	88.0%	25.3	98.6%	24.3	94.4%
Isoprene	78-79-5	21.82	13.0	59.7%	15.1	69.4%	16.3	74.6%	15.4	70.5%
n-Hexane	110-54-3	25.94	25.0	96.3%	21.2	81.6%	23.7	91.2%	27.6	106.2%
Methylcyclopentane	108-87-2	25.94	20.2	77.8%	19.0	73.3%	20.5	79.2%	19.8	76.4%
2,4-Dimethylpentane	108-08-7	30.83	27.2	88.4%	27.4	88.8%	29.4	95.5%	31.1	100.8%
Benzene	71-43-2	25.70	19.6	76.1%	20.9	81.3%	22.1	85.9%	23.3	90.6%
Cyclohexane	110-82-7	25.94	23.5	90.5%	22.7	87.4%	23.4	90.2%	25.7	98.9%
2-Methylhexane	591-76-4	29.98	21.1	70.3%	21.5	71.6%	22.3	74.3%	22.1	73.8%
2,3-Dimethylpentane	565-59-3	29.98	28.6	95.4%	28.9	96.3%	28.1	93.8%	32.9	109.7%
3-Methylhexane	589-34-4	30.26	25.6	84.6%	26.2	86.6%	25.0	82.5%	29.0	95.7%
2,2,4-Trimethylpentane	540-84-1	34.59	28.0	80.8%	28.9	83.7%	29.3	84.7%	32.0	92.4%
n-Heptane	142-82-5	30.26	24.0	79.4%	25.2	83.4%	25.9	85.7%	28.1	92.7%
Methylcyclohexane	108-87-2	29.98	24.1	80.4%	24.7	82.3%	26.9	89.8%	27.0	89.9%
2,3,4-Trimethylpentane	565-75-3	34.26	27.5	80.1%	28.6	83.5%	30.2	88.2%	31.2	91.0%
Toluene	108-88-3	29.98	23.1	77.0%	24.1	80.5%	26.1	87.0%	27.6	92.1%
2-Methylheptane	592-27-8	34.26	26.71	78.0%	27.3	79.8%	29.4	85.7%	31.4	91.8%
3-Methylheptane	589-81-1	34.91	27.01	77.4%	27.9	79.8%	29.4	84.2%	31.2	89.5%
n-Octane	111-65-9	34.59	25.80	74.6%	28.0	81.0%	28.7	83.1%	31.1	90.0%
Ethylbenzene	100-41-4	34.26	23.62	68.9%	25.4	74.2%	26.9	78.6%	26.9	78.6%
M&P-Xylene	108-38-3	67.88	46.98	69.2%	48.7	71.8%	54.0	79.6%	52.6	77.5%
Styrene	100-42-5	32.32	18.91	58.5%	20.2	62.5%	23.8	73.5%	23.9	73.9%
O-Xylene	95-47-6	33.62	24.93	74.2%	26.0	77.2%	27.9	83.1%	28.4	84.4%
N-Nonane	111-84-2	37.82	27.18	71.9%	29.3	77.5%	31.8	84.0%	34.3	90.7%
Isopropylbenzene	98-82-8	37.45	24.78	66.1%	27.0	72.1%	29.6	79.0%	28.8	76.8%
n-Propylbenzene	103-65-1	36.36	23.37	64.3%	26.1	71.7%	28.0	77.0%	28.6	78.6%
1,3,5-Trimethylbenzene	108-67-8	38.18	24.07	63.0%	25.0	65.6%	27.7	72.5%	29.6	77.6%
1,2,4-Trimethylbenzene	95-63-6	38.18	24.57	64.3%	24.9	65.1%	29.3	76.8%	30.8	80.6%
n-Decane	124-18-5	42.83	24.57	57.4%	27.4	63.9%	31.3	73.2%	34.4	80.4%
1,2,3-Trimethylbenzene	526-73-8	38.55	20.45	53.1%	20.8	54.1%	25.4	65.8%	25.8	66.8%
n-Undecane	1120-21-4	46.22	22.77	49.3%	22.7	49.0%	28.2	61.0%	33.4	72.3%

^a Compound order based on elution time.

Table ES-1. (Continued) Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Elm Fork		Everman		Flower Mound		Godley	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.39	46.1	89.7%	47.6	92.7%	41.3	80.4%	49.8	96.9%
Ethylene	74-85-1	17.29	11.7	67.6%	15.3	88.7%	13.8	79.7%	15.8	91.1%
Propane	74-98-6	12.73	11.7	92.1%	11.6	91.2%	10.6	83.0%	11.9	93.9%
Propylene	115-07-1	13.09	10.5	79.9%	10.8	82.1%	10.1	76.8%	10.3	78.9%
Iso-Butane	75-28-5	17.13	17.3	100.9%	17.4	101.8%	15.8	92.0%	17.1	99.7%
N-Butane	106-97-8	17.29	17.6	101.8%	17.6	101.9%	16.2	93.8%	17.7	102.6%
Acetylene	74-86-2	8.73	6.1	70.4%	7.8	88.8%	6.7	76.5%	7.7	87.7%
Trans-2-Butene	624-64-6	17.13	17.5	102.1%	17.0	99.3%	15.7	91.9%	17.0	99.0%
1-Butene	106-98-9	17.29	17.2	99.2%	16.9	97.6%	15.5	89.4%	16.9	98.0%
Cis-2-Butene	590-18-1	17.45	17.9	102.8%	17.9	102.3%	16.5	94.4%	17.5	100.3%
Cyclopentane	287-92-3	21.41	21.7	101.3%	21.2	99.2%	19.7	92.2%	21.3	99.5%
Iso-Pentane	78-78-4	22.22	22.1	99.6%	21.9	98.6%	20.0	89.9%	22.2	99.7%
N-Pentane	109-66-0	21.62	22.6	104.6%	21.8	100.8%	20.2	93.2%	22.2	102.7%
1,3-Butadiene	106-99-0	16.65	16.9	101.6%	16.4	98.3%	15.0	90.3%	16.6	99.7%
Trans-2-Pentene	646-04-8	22.22	21.8	98.1%	21.2	95.3%	19.9	89.4%	21.7	97.6%
1-Pentene	109-67-1	21.82	21.1	96.7%	19.8	90.6%	17.5	80.4%	21.7	99.2%
Cis-2-Pentene	627-20-3	21.01	18.3	87.2%	18.2	86.4%	16.5	78.5%	19.4	92.3%
2,2-Dimethylbutane	75-83-2	25.94	24.8	95.8%	24.8	95.8%	22.5	86.7%	25.6	98.7%
2-Methylpentane	107-83-5	25.70	25.0	97.4%	24.7	96.1%	23.2	90.3%	25.5	99.2%
Isoprene	78-79-5	21.82	15.6	71.4%	16.8	76.9%	15.6	71.6%	17.1	78.4%
n-Hexane	110-54-3	25.94	22.7	87.5%	25.0	96.5%	22.8	87.9%	24.5	94.5%
Methylcyclopentane	108-87-2	25.94	21.2	81.6%	24.7	95.3%	22.1	85.1%	23.2	89.4%
2,4-Dimethylpentane	108-08-7	30.83	29.2	94.6%	32.3	104.9%	27.4	88.8%	31.6	102.5%
Benzene	71-43-2	25.70	22.1	86.0%	23.9	93.1%	21.2	82.6%	22.5	87.4%
Cyclohexane	110-82-7	25.94	24.7	95.3%	27.3	105.1%	23.0	88.5%	24.9	95.8%
2-Methylhexane	591-76-4	29.98	21.2	70.8%	27.4	91.3%	24.7	82.5%	24.8	82.8%
2,3-Dimethylpentane	565-59-3	29.98	33.1	110.3%	32.7	109.0%	27.0	90.2%	31.1	103.6%
3-Methylhexane	589-34-4	30.26	28.4	93.9%	30.3	100.2%	26.1	86.1%	28.6	94.6%
2,2,4-Trimethylpentane	540-84-1	34.59	31.2	90.1%	33.4	96.6%	29.7	85.9%	32.6	94.4%
n-Heptane	142-82-5	30.26	27.1	89.6%	29.8	98.5%	26.0	85.8%	28.6	94.4%
Methylcyclohexane	108-87-2	29.98	30.9	103.1%	29.5	98.5%	25.9	86.4%	28.7	95.7%
2,3,4-Trimethylpentane	565-75-3	34.26	25.2	73.7%	33.5	97.9%	29.1	84.8%	33.4	97.5%
Toluene	108-88-3	29.98	28.8	95.9%	29.1	97.2%	23.9	79.7%	27.6	91.9%
2-Methylheptane	592-27-8	34.26	29.6	86.5%	32.6	95.1%	28.8	84.1%	32.1	93.6%
3-Methylheptane	589-81-1	34.91	29.6	84.9%	33.1	94.7%	29.2	83.6%	32.5	93.2%
n-Octane	111-65-9	34.59	29.9	86.4%	33.7	97.6%	28.6	82.7%	33.5	96.8%
Ethylbenzene	100-41-4	34.26	27.8	81.2%	30.1	87.9%	27.1	79.1%	29.2	85.4%
M&P-Xylene	108-38-3	67.88	53.7	79.1%	58.9	86.8%	51.6	76.1%	57.0	84.0%
Styrene	100-42-5	32.32	19.7	61.0%	25.2	77.8%	22.8	70.6%	24.1	74.6%
O-Xylene	95-47-6	33.62	30.4	90.3%	32.1	95.4%	26.8	79.6%	30.8	91.5%
N-Nonane	111-84-2	37.82	32.3	85.5%	37.1	98.2%	29.7	78.6%	35.5	93.7%
Isopropylbenzene	98-82-8	37.45	29.9	79.7%	33.7	90.0%	28.2	75.4%	32.7	87.2%
n-Propylbenzene	103-65-1	36.36	27.6	75.8%	32.1	88.3%	27.0	74.2%	31.5	86.6%
1,3,5-Trimethylbenzene	108-67-8	38.18	28.2	73.9%	34.7	90.9%	26.6	69.6%	32.6	85.4%
1,2,4-Trimethylbenzene	95-63-6	38.18	26.5	69.5%	33.2	86.9%	26.3	68.9%	32.0	83.8%
n-Decane	124-18-5	42.83	29.7	69.4%	35.2	82.1%	26.3	61.5%	35.0	81.7%
1,2,3-Trimethylbenzene	526-73-8	38.55	23.5	60.9%	28.8	74.8%	23.8	61.8%	27.8	72.1%
n-Undecane	1120-21-4	46.22	25.2	54.5%	31.4	68.0%	24.8	53.7%	33.2	71.9%

^a Compound order based on elution time.

Table ES-1. (Continued) Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Kennedale		Mansfield		Rhyme		Rushing		UTA	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.39	51.6	100.4%	42.2	82.1%	49.1	95.5%	43.6	84.9%	49.9	97.2%
Ethylene	74-85-1	17.29	13.8	79.9%	13.4	77.6%	13.2	76.6%	13.7	79.0%	10.9	62.8%
Propane	74-98-6	12.73	12.5	98.1%	11.0	86.5%	11.2	87.9%	10.6	82.9%	12.4	97.6%
Propylene	115-07-1	13.09	11.8	89.9%	9.5	72.6%	8.9	68.1%	9.1	69.3%	10.1	77.4%
Iso-Butane	75-28-5	17.13	17.4	101.8%	16.3	94.9%	16.3	95.1%	15.9	92.6%	18.2	106.0%
N-Butane	106-97-8	17.29	18.2	105.3%	16.2	93.6%	17.1	98.7%	16.5	95.2%	18.9	109.5%
Acetylene	74-86-2	8.73	7.7	88.0%	6.3	72.5%	7.3	83.1%	6.0	69.2%	7.3	83.3%
Trans-2-Butene	624-64-6	17.13	17.1	100.0%	15.9	92.8%	17.2	100.3%	16.1	93.9%	18.4	107.7%
1-Butene	106-98-9	17.29	17.1	98.7%	15.8	91.3%	16.7	96.3%	15.5	89.8%	18.0	104.3%
Cis-2-Butene	590-18-1	17.45	17.7	101.2%	16.7	95.5%	17.7	101.6%	16.4	93.8%	19.0	109.0%
Cyclopentane	287-92-3	21.41	21.5	100.6%	20.0	93.2%	21.2	99.1%	20.1	94.0%	22.9	107.0%
Iso-Pentane	78-78-4	22.22	21.5	96.9%	20.9	94.0%	22.2	99.9%	20.6	92.7%	23.7	106.5%
N-Pentane	109-66-0	21.62	22.3	103.0%	20.9	96.9%	22.1	102.3%	20.5	94.9%	23.6	109.2%
1,3-Butadiene	106-99-0	16.65	17.9	107.5%	16.0	96.1%	16.0	96.1%	13.9	83.3%	17.6	105.5%
Trans-2-Pentene	646-04-8	22.22	21.4	96.1%	20.5	92.2%	20.9	94.0%	19.0	85.6%	22.6	101.9%
1-Pentene	109-67-1	21.82	20.3	92.8%	20.1	92.3%	20.4	93.5%	17.4	79.7%	21.3	97.7%
Cis-2-Pentene	627-20-3	21.01	18.5	88.1%	18.1	86.0%	17.9	85.0%	14.1	67.2%	19.5	92.8%
2,2-Dimethylbutane	75-83-2	25.94	26.0	100.4%	24.7	95.2%	25.8	99.6%	23.4	90.1%	27.5	105.9%
2-Methylpentane	107-83-5	25.70	25.5	99.1%	24.1	93.9%	24.7	96.1%	23.2	90.2%	26.4	102.5%
Isoprene	78-79-5	21.82	15.1	69.4%	15.7	72.1%	16.8	77.0%	13.9	63.6%	17.7	81.0%
n-Hexane	110-54-3	25.94	25.7	99.0%	23.0	88.8%	28.1	108.5%	22.4	86.4%	26.0	100.1%
Methylcyclopentane	108-87-2	25.94	24.4	94.2%	22.7	87.5%	20.8	80.0%	21.4	82.4%	25.3	97.4%
2,4-Dimethylpentane	108-08-7	30.83	30.8	99.9%	28.5	92.4%	34.4	111.7%	28.2	91.6%	32.6	105.7%
Benzene	71-43-2	25.70	24.7	96.2%	22.2	86.3%	25.6	99.7%	22.4	87.1%	26.3	102.2%
Cyclohexane	110-82-7	25.94	27.6	106.4%	23.3	89.8%	26.6	102.5%	23.9	92.0%	27.9	107.5%
2-Methylhexane	591-76-4	29.98	28.2	94.0%	25.4	84.7%	24.4	81.5%	22.5	75.1%	27.8	92.9%
2,3-Dimethylpentane	565-59-3	29.98	33.3	111.1%	28.1	93.8%	34.9	116.3%	28.8	95.9%	32.9	109.8%
3-Methylhexane	589-34-4	30.26	31.7	104.7%	27.2	89.8%	31.0	102.6%	26.4	87.2%	30.9	102.2%
2,2,4-Trimethylpentane	540-84-1	34.59	33.5	96.9%	30.5	88.1%	33.9	97.9%	30.0	86.7%	34.6	100.2%
n-Heptane	142-82-5	30.26	30.3	100.1%	26.8	88.4%	29.5	97.6%	25.6	84.6%	30.1	99.5%
Methylcyclohexane	108-87-2	29.98	30.4	101.5%	26.7	88.9%	28.9	96.3%	26.1	87.1%	30.0	100.2%
2,3,4-Trimethylpentane	565-75-3	34.26	34.6	100.9%	30.4	88.8%	33.9	98.9%	29.2	85.2%	35.3	102.9%
Toluene	108-88-3	29.98	29.0	96.9%	25.0	83.3%	29.7	99.1%	26.0	86.6%	33.9	113.0%
2-Methylheptane	592-27-8	34.26	33.7	98.4%	29.3	85.7%	33.2	96.8%	28.7	83.6%	34.3	100.0%
3-Methylheptane	589-81-1	34.91	34.2	98.1%	29.8	85.3%	33.7	96.5%	29.2	83.6%	34.2	98.0%
n-Octane	111-65-9	34.59	34.7	100.3%	29.1	84.1%	34.2	98.9%	29.7	85.8%	34.2	98.9%
Ethylbenzene	100-41-4	34.26	31.4	91.6%	27.7	80.9%	29.5	86.0%	25.6	74.9%	30.8	89.9%
M&P-Xylene	108-38-3	67.88	62.0	91.4%	53.5	78.8%	59.6	87.8%	51.2	75.4%	60.2	88.7%
Styrene	100-42-5	32.32	26.4	81.6%	23.3	72.1%	27.0	83.6%	21.7	67.2%	26.0	80.4%
O-Xylene	95-47-6	33.62	33.0	98.1%	28.4	84.6%	31.3	93.0%	28.2	83.9%	31.5	93.8%
N-Nonane	111-84-2	37.82	37.9	100.1%	32.2	85.2%	37.1	98.2%	31.7	83.8%	37.3	98.6%
Isopropylbenzene	98-82-8	37.45	34.4	92.0%	28.0	74.7%	32.4	86.4%	30.2	80.5%	33.6	89.7%
n-Propylbenzene	103-65-1	36.36	32.8	90.2%	28.0	76.9%	31.7	87.2%	29.1	80.0%	32.5	89.3%
1,3,5-Trimethylbenzene	108-67-8	38.18	33.2	87.0%	29.4	77.0%	32.6	85.4%	31.7	83.1%	32.5	85.0%
1,2,4-Trimethylbenzene	95-63-6	38.18	33.1	86.6%	29.5	77.2%	34.8	91.2%	32.7	85.6%	32.8	86.0%
n-Decane	124-18-5	42.83	37.1	86.6%	29.7	69.3%	36.8	85.9%	32.0	74.8%	37.3	87.1%
1,2,3-Trimethylbenzene	526-73-8	38.55	29.2	75.7%	26.4	68.5%	29.0	75.4%	27.4	71.2%	27.3	70.9%
n-Undecane	1120-21-4	46.22	32.0	69.3%	29.0	62.7%	35.3	76.4%	32.3	69.9%	31.8	68.7%

			Kennedale		Mansfield		Rhome		Rushing		UTA	
Compound Name	CAS Number	Audit Conc (ppbc)	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.80	50.7	97.9%	38.7	74.8%	47.7	92.0%	46.8	90.3%	48.3	93.2%
Ethylene	74-85-1	17.37	11.5	66.3%	10.0	57.7%	15.5	89.0%	11.7	67.3%	14.7	84.9%
Propane	74-98-6	12.36	12.5	101.5%	10.0	81.2%	10.9	88.2%	11.2	90.9%	11.4	92.2%
Propylene	115-07-1	13.09	10.7	81.5%	9.5	72.4%	9.8	74.6%	9.6	73.2%	10.9	83.3%
Iso-Butane	75-28-5	16.97	17.9	105.7%	16.8	98.8%	16.2	95.7%	18.3	108.1%	16.7	98.4%
N-Butane	106-97-8	17.13	18.5	108.1%	17.3	101.0%	16.6	96.9%	19.1	111.8%	17.2	100.2%
Acetylene	74-86-2	8.73	8.2	94.1%	6.3	71.7%	7.5	85.4%	6.1	69.5%	7.5	86.2%
Trans-2-Butene	624-64-6	16.65	17.2	103.2%	16.6	99.6%	16.9	101.4%	18.4	110.7%	16.5	99.3%
1-Butene	106-98-9	16.65	18.2	109.1%	16.2	97.5%	16.4	98.5%	18.2	109.5%	16.6	99.8%
Cis-2-Butene	590-18-1	17.62	18.2	103.1%	17.0	96.5%	17.3	98.2%	18.8	106.8%	17.2	97.4%
Cyclopentane	287-92-3	21.21	22.3	105.1%	20.6	97.1%	20.7	97.7%	23.2	109.1%	20.9	98.7%
Iso-Pentane	78-78-4	21.62	23.0	106.3%	21.1	97.7%	21.8	100.9%	23.6	109.4%	21.6	99.9%
N-Pentane	109-66-0	21.62	22.9	106.0%	21.1	97.5%	21.7	100.4%	23.4	108.1%	21.5	99.5%
1,3-Butadiene	106-99-0	16.65	17.2	103.5%	16.0	96.2%	16.2	97.2%	17.3	103.7%	16.6	99.7%
Trans-2-Pentene	646-04-8	21.82	21.1	96.8%	20.6	94.5%	20.9	95.9%	21.6	99.0%	21.2	97.2%
1-Pentene	109-67-1	21.82	23.2	106.2%	20.3	92.9%	20.9	95.6%	21.0	96.1%	21.2	97.2%
Cis-2-Pentene	627-20-3	19.80	16.8	85.0%	18.3	92.3%	18.7	94.3%	14.9	75.2%	19.0	96.1%
2,2-Dimethylbutane	75-83-2	25.45	26.6	104.4%	24.4	96.0%	24.9	97.7%	26.2	102.9%	25.0	98.3%
2-Methylpentane	107-83-5	24.97	25.6	102.6%	24.2	97.0%	24.3	97.3%	25.8	103.1%	24.3	97.3%
Isoprene	78-79-5	21.01	17.0	81.1%	17.1	81.5%	18.4	87.7%	16.7	79.7%	18.2	86.5%
n-Hexane	110-54-3	26.18	24.9	95.2%	20.5	78.2%	26.2	99.9%	27.0	103.0%	25.7	98.0%
Methylcyclopentane	108-87-2	25.70	24.3	94.7%	20.3	79.0%	20.0	78.0%	24.4	95.0%	25.1	97.7%
2,4-Dimethylpentane	108-08-7	30.83	28.4	92.0%	24.6	79.9%	32.1	104.3%	29.0	94.2%	32.4	105.0%
Benzene	71-43-2	25.94	24.3	93.5%	20.3	78.3%	23.7	91.2%	24.3	93.8%	23.9	92.2%
Cyclohexane	110-82-7	26.18	25.8	98.7%	21.1	80.7%	25.2	96.1%	25.7	98.0%	26.5	101.1%
2-Methylhexane	591-76-4	30.55	27.8	91.0%	21.9	71.8%	24.3	79.4%	25.0	81.8%	27.6	90.2%
2,3-Dimethylpentane	565-59-3	29.70	29.7	99.9%	23.8	80.3%	32.3	108.6%	29.3	98.8%	31.3	105.2%
3-Methylhexane	589-34-4	30.55	29.1	95.3%	23.8	77.8%	29.3	96.0%	27.6	90.3%	30.2	98.9%
2,2,4-Trimethylpentane	540-84-1	35.23	32.7	92.9%	26.8	76.1%	32.1	91.2%	31.4	89.2%	34.0	96.5%
n-Heptane	142-82-5	30.55	29.3	95.9%	23.3	76.1%	28.3	92.5%	27.7	90.8%	30.2	98.9%
Methylcyclohexane	108-87-2	30.26	29.2	96.4%	23.8	78.5%	27.5	90.8%	28.2	93.1%	29.7	98.2%
2,3,4-Trimethylpentane	565-75-3	33.94	33.1	97.4%	27.0	79.6%	32.1	94.7%	31.1	91.6%	34.7	102.2%
Toluene	108-88-3	30.26	28.9	95.6%	22.3	73.6%	28.5	94.1%	26.7	88.4%	29.1	96.3%
2-Methylheptane	592-27-8	34.26	32.6	95.2%	25.6	74.6%	31.9	93.2%	30.0	87.5%	33.7	98.3%
3-Methylheptane	589-81-1	34.59	33.1	95.6%	26.0	75.1%	32.3	93.3%	29.8	86.2%	34.0	98.4%
n-Octane	111-65-9	34.26	33.7	98.5%	25.7	75.1%	32.2	93.9%	30.6	89.3%	34.6	100.9%
Ethylbenzene	100-41-4	34.26	30.6	89.4%	24.2	70.5%	29.1	84.8%	28.4	82.9%	31.9	93.1%
M&P-Xylene	108-38-3	67.88	60.0	88.4%	45.2	66.6%	57.2	84.3%	55.2	81.3%	62.6	92.3%
Styrene	100-42-5	32.00	26.4	82.5%	18.9	59.1%	26.4	82.4%	24.5	76.5%	27.1	84.7%
O-Xylene	95-47-6	33.62	31.3	93.2%	23.4	69.6%	30.4	90.5%	29.2	87.0%	33.0	98.0%
N-Nonane	111-84-2	37.09	36.2	97.6%	26.0	70.0%	36.2	97.5%	33.4	90.2%	39.2	105.8%
Isopropylbenzene	98-82-8	36.36	32.4	89.1%	25.0	68.9%	31.9	87.7%	31.3	86.0%	35.9	98.6%
n-Propylbenzene	103-65-1	34.91	32.0	91.6%	23.7	68.0%	31.5	90.1%	29.8	85.2%	34.7	99.4%
1,3,5-Trimethylbenzene	108-67-8	37.82	30.0	79.2%	22.8	60.3%	32.0	84.7%	29.1	77.0%	37.0	97.8%
1,2,4-Trimethylbenzene	95-63-6	38.55	31.8	82.5%	23.0	59.7%	34.4	89.3%	31.7	82.3%	35.4	91.9%
n-Decane	124-18-5	42.83	34.3	80.1%	23.8	55.6%	35.8	83.5%	32.6	76.2%	38.0	88.8%
1,2,3-Trimethylbenzene	526-73-8	39.64	27.5	69.5%	20.6	51.9%	28.5	72.0%	27.2	68.6%	31.9	80.4%
n-Undecane	1120-21-4	46.22	30.8	66.7%	23.8	51.6%	34.1	73.9%	31.2	67.4%	33.0	71.4%

^a Compound order based on elution time.

Table ES-2. Results of Performance Standard for Off-Site Analytical Lab

Compound Name	CAS Number	Input Concentration	Lab Results	Percent Recovery
1,1,1-Trichloroethane	71-55-6	3.6	3.6	99.7%
1,1,2,2-Tetrachloroethane	79-34-5	3.5	2.8	81.1%
1,1,2-Trichloroethane	79-00-5	3.6	3.2	88.9%
1,1-Dichloroethane	75-34-3	3.5	3.3	92.9%
1,1-Dichloroethene	75-35-4	3.5	3.2	90.9%
1,2,4-Trimethylbenzene	95-63-6	3.3	2.2	66.7%
1,2-Dibromoethane	106-93-4	3.5	3.0	86.9%
1,2-Dichloroethane	107-06-2	3.6	3.4	93.9%
1,2-Dichloropropane	78-87-5	3.6	3.1	85.0%
1,3,5-Trimethylbenzene	108-67-8	3.4	2.7	77.9%
1,3-Butadiene	106-99-0	7.0	6.7	95.0%
1-Butene	106-98-9	3.5	2.9	82.6%
1-Hexene	592-41-6	3.2	ND ^a	ND ^a
1-Pentene	109-67-1	3.4	3.2	93.2%
2,2,4-Trimethylpentane	540-84-1	3.5	3.5	100.9%
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	3.3	2.3	70.9%
Benzene	71-43-2	3.6	3.5	96.7%
Bromomethane	74-83-9	3.4	3.0	89.1%
c-1,3-Dichloropropene	10061-01-5	3.2	3.2	100.0%
Carbon tetrachloride	56-23-5	3.5	3.5	99.4%
Chlorobenzene	108-90-7	3.5	3.2	91.1%
Chloroform	67-66-3	3.5	3.5	98.9%
Chloromethane (Methyl Chloride)	74-87-3	3.6	3.4	94.2%
Cyclohexane	110-82-7	3.5	3.1	89.7%
Dichlorodifluoromethane (Freon-12)	75-71-8	3.5	3.2	90.9%
Ethane	74-84-0	21.2	19.8	93.4%
Ethene	74-85-1	7.0	7.9	112.3%
Ethylbenzene	100-41-4	3.5	3.0	85.7%
Methylene Chloride (Dichloromethane)	75-09-2	3.5	3.1	89.1%
m-Xylene & p-Xylene	106-42-3+108-38-3	6.9	6.3	91.2%
n-Butane	106-97-8	3.5	3.3	93.7%
n-Heptane	142-82-5	3.4	3.2	93.8%
n-Hexane	110-54-3	10.5	9.8	93.0%
n-Pentane	109-66-0	3.4	3.2	94.4%
o-Xylene	95-47-6	3.5	3.2	90.0%
Propane	74-98-6	3.4	3.7	109.4%
Propylene	115-07-1	6.9	6.2	89.3%
Styrene	100-42-5	3.4	2.7	80.0%
t-1,3-Dichloropropene	10061-02-6	3.3	3.2	96.7%
Tetrachloroethene	127-18-4	3.6	3.2	88.3%
Toluene	108-88-3	3.6	3.0	83.6%
Trichloroethene	79-01-6	3.4	3.7	108.2%
Trichlorofluoromethane (Freon-11)	75-69-4	3.6	3.5	98.1%
Vinyl Chloride	75-01-4	3.6	3.1	86.4%

^aCompounds labeled ND were not detected by the laboratory.

QUALITY ASSURANCE AUDIT REPORT

North Texas Commission Ambient Air and Meteorological Monitoring

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EXECUTIVE SUMMARY

On June 3rd through 5th and June 20th through 21st, an audit team from the AECOM ambient air group in Austin, Texas conducted performance and technical system audits of the North Texas Commission (NTC) ambient air monitoring network. The audits provide an independent assessment of the monitoring program.

The monitoring program at NTC consists of continuous gas chromatographs (GC), volatile organic compound (VOC) canister collection systems, and meteorological sensors including wind speed, wind direction, and temperature.

The performance and technical systems audit results indicate acceptable responses for measurement systems with the exceptions summarized below.

The wind direction sensor at Dish was outside of audit specification ($<2.0^{\circ}$ error) for alignment (5.6° error) with a maximum total error of 7.1° . Wind direction sensor was re-aligned to 0.5° error with a maximum total error of 2.0° .

The wind direction sensor at Rhome was outside of audit specification ($<2.0^{\circ}$ error) for alignment (8.5° error) and outside of audit specification ($<3.0^{\circ}$ error) for linearity (-4.6° error) with a maximum total error of 12.6° . Wind direction sensor was replaced on June 12th and was outside of audit specification for alignment (-6.2° error) with a maximum total error of -7.3 degrees. On June 20th, the wind direction sensor was re-aligned to -0.1° error and had a linearity of 1.6° with a new maximum total error of 1.6° .

The wind direction sensor at Mansfield was outside of audit specification ($<2.0^{\circ}$ error) for alignment (-4.9° error) with a maximum total error of -5.6° . Wind direction sensor was re-aligned to -0.2° error with a maximum total error of -0.9° .

Out of the 48 compounds being analyzed, six compounds (ethylene, acetylene, isoprene, styrene, 1,2,3-trimethylbenzene, and n-undecane) were found to be outside of the audit objective of 70% - 130% recovery at several sites. In addition, the Kennedale and Decatur sites had the following GC compound recoveries outside of the audit specification:

Locations	Compounds
Kennedale	Cis-2-Pentene
Decatur	2-Methylhexane 1,2,4-Trimethylbenzene n-Decane

These network GC audit results are comparable historically to other AECOM auto-GC audits. The GC audit results are contained in table ES-1. Technical systems audit results demonstrate satisfactory operational procedures for collecting valid data.

A performance evaluation (PE) sample is prepared by the AECOM QA group on a quarterly basis and submitted to the VOC laboratory for analysis. This performance evaluation sample contained known (spiked) concentrations of the target VOCs. A review of the sample recoveries for the spiked target VOCs shows that only three out of the forty-four compounds were not within the range of expected values (70-130%).

- 1,2,4-Trimethylbenzene (60.3%)
- 1-Hexene (Not Detected)
- 4-Ethyltoluene (66.6%)

AECOM QA staff shared the performance evaluation results with the VOC laboratory, and no other corrective action was taken. We will continue to evaluate the compounds in our PE samples and work with the lab to resolve this discrepancy. GD Air's most recent performance evaluation canister results for the second quarter of 2024 are contained below in Table ES-2.

Table ES-1. Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Benbrook		Decatur		Dish		Eagle Mountain Lake	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.39	47.1	91.7%	43.0	83.6%	43.7	85.1%	47.1	91.7%
Ethylene	74-85-1	17.29	8.9	51.6%	13.4	77.7%	14.3	82.8%	15.8	91.4%
Propane	74-98-6	12.73	11.2	87.9%	10.6	83.1%	10.7	83.7%	11.6	91.1%
Propylene	115-07-1	13.09	11.3	86.0%	10.6	80.8%	10.3	78.5%	11.0	83.9%
Iso-Butane	75-28-5	17.13	17.7	103.4%	16.1	94.2%	16.6	97.0%	18.4	107.5%
N-Butane	106-97-8	17.29	18.4	106.2%	16.8	97.2%	17.2	99.4%	18.9	109.2%
Acetylene	74-86-2	8.73	2.0	23.0%	5.8	66.4%	5.9	68.0%	7.2	82.1%
Trans-2-Butene	624-64-6	17.13	17.7	103.3%	16.7	97.5%	17.3	101.1%	18.6	108.5%
1-Butene	106-98-9	17.29	17.8	102.9%	16.8	97.4%	17.4	100.5%	18.6	107.6%
Cis-2-Butene	590-18-1	17.45	18.6	106.4%	17.5	100.0%	18.2	104.5%	19.2	110.2%
Cyclopentane	287-92-3	21.41	22.2	103.7%	20.8	97.1%	21.3	99.6%	23.0	107.6%
Iso-Pentane	78-78-4	22.22	22.8	102.4%	21.4	96.3%	22.2	99.9%	23.7	106.6%
N-Pentane	109-66-0	21.62	22.7	105.2%	21.5	99.6%	22.2	102.7%	23.9	110.4%
1,3-Butadiene	106-99-0	16.65	17.6	105.5%	16.4	98.6%	17.1	102.7%	18.5	111.0%
Trans-2-Pentene	646-04-8	22.22	22.8	102.7%	21.4	96.4%	21.7	97.6%	24.0	108.2%
1-Pentene	109-67-1	21.82	22.6	103.7%	24.4	111.9%	20.6	94.5%	23.5	107.7%
Cis-2-Pentene	627-20-3	21.01	20.6	98.1%	19.1	91.1%	17.7	84.4%	21.3	101.5%
2,2-Dimethylbutane	75-83-2	25.94	26.7	102.8%	24.7	95.3%	21.2	81.6%	27.6	106.6%
2-Methylpentane	107-83-5	25.70	26.0	101.0%	23.8	92.7%	20.1	78.1%	26.4	102.7%
Isoprene	78-79-5	21.82	20.7	94.8%	18.4	84.5%	15.5	71.1%	20.0	91.5%
n-Hexane	110-54-3	25.94	26.8	103.1%	22.4	86.2%	22.9	88.1%	29.6	114.0%
Methylcyclopentane	108-87-2	25.94	23.0	88.5%	18.4	71.1%	19.9	76.8%	21.3	82.2%
2,4-Dimethylpentane	108-08-7	30.83	30.4	98.7%	25.7	83.3%	29.4	95.5%	32.2	104.5%
Benzene	71-43-2	25.70	21.9	85.3%	18.1	70.3%	21.0	81.8%	23.5	91.4%
Cyclohexane	110-82-7	25.94	24.6	94.9%	20.7	79.9%	22.0	84.8%	26.0	100.4%
2-Methylhexane	591-76-4	29.98	23.5	78.3%	20.0	66.8%	21.3	71.1%	23.8	79.4%
2,3-Dimethylpentane	565-59-3	29.98	28.7	95.8%	25.8	86.2%	27.5	91.6%	32.7	109.0%
3-Methylhexane	589-34-4	30.26	26.6	87.9%	23.6	77.9%	24.8	81.9%	29.6	97.9%
2,2,4-Trimethylpentane	540-84-1	34.59	30.4	88.0%	26.8	77.5%	28.7	83.0%	32.1	92.9%
n-Heptane	142-82-5	30.26	26.8	88.5%	23.4	77.3%	25.1	83.1%	28.1	92.8%
Methylcyclohexane	108-87-2	29.98	27.3	91.0%	23.9	79.9%	25.8	86.1%	28.2	94.1%
2,3,4-Trimethylpentane	565-75-3	34.26	30.2	88.0%	27.2	79.2%	29.8	87.1%	32.0	93.4%
Toluene	108-88-3	29.98	26.8	89.5%	24.0	80.1%	24.8	82.6%	27.6	92.1%
2-Methylheptane	592-27-8	34.26	29.10	84.9%	26.7	77.8%	28.6	83.5%	30.9	90.3%
3-Methylheptane	589-81-1	34.91	29.27	83.8%	27.1	77.5%	29.1	83.5%	31.6	90.6%
n-Octane	111-65-9	34.59	28.43	82.2%	26.4	76.4%	29.5	85.4%	31.8	92.0%
Ethylbenzene	100-41-4	34.26	27.43	80.1%	24.5	71.5%	27.7	80.8%	29.5	86.1%
M&P-Xylene	108-38-3	67.88	52.78	77.8%	47.6	70.1%	53.7	79.1%	56.9	83.8%
Styrene	100-42-5	32.32	22.36	69.2%	20.5	63.3%	23.3	72.1%	24.6	76.1%
O-Xylene	95-47-6	33.62	28.70	85.4%	25.4	75.7%	28.4	84.6%	29.9	89.1%
N-Nonane	111-84-2	37.82	32.44	85.8%	29.5	78.0%	31.7	83.7%	33.7	89.1%
Isopropylbenzene	98-82-8	37.45	30.36	81.1%	27.4	73.2%	30.7	82.0%	33.1	88.3%
n-Propylbenzene	103-65-1	36.36	29.23	80.4%	26.1	71.8%	28.9	79.5%	31.6	86.8%
1,3,5-Trimethylbenzene	108-67-8	38.18	31.79	83.3%	27.1	70.9%	29.0	76.0%	32.8	85.8%
1,2,4-Trimethylbenzene	95-63-6	38.18	30.54	80.0%	26.7	69.9%	29.9	78.2%	33.3	87.2%
n-Decane	124-18-5	42.83	31.53	73.6%	28.5	66.5%	31.7	74.0%	36.0	84.0%
1,2,3-Trimethylbenzene	526-73-8	38.55	27.34	70.9%	23.2	60.1%	26.0	67.4%	28.4	73.6%
n-Undecane	1120-21-4	46.22	30.81	66.7%	24.5	52.9%	26.6	57.5%	26.9	58.2%

^a Compound order based on elution time.

Table ES-1. (Continued) Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Elm Fork		Everman		Flower Mound		Godley	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.39	47.4	92.2%	48.3	94.1%	43.6	84.8%	52.0	101.1%
Ethylene	74-85-1	17.29	11.1	64.2%	17.0	98.5%	14.7	84.8%	17.5	101.5%
Propane	74-98-6	12.73	12.8	100.7%	12.1	94.8%	11.1	86.9%	12.4	97.4%
Propylene	115-07-1	13.09	11.9	91.1%	12.2	93.1%	10.8	82.6%	12.0	91.8%
Iso-Butane	75-28-5	17.13	19.3	112.9%	18.9	110.2%	15.8	92.4%	17.9	104.2%
N-Butane	106-97-8	17.29	19.7	113.7%	19.4	112.4%	16.5	95.6%	18.5	107.2%
Acetylene	74-86-2	8.73	8.0	91.7%	7.7	88.2%	6.7	76.8%	7.5	86.4%
Trans-2-Butene	624-64-6	17.13	19.6	114.5%	19.1	111.7%	16.3	95.1%	18.0	105.3%
1-Butene	106-98-9	17.29	19.4	112.2%	18.8	108.6%	16.1	93.0%	17.9	103.3%
Cis-2-Butene	590-18-1	17.45	20.0	114.8%	19.7	113.1%	17.0	97.4%	18.8	107.8%
Cyclopentane	287-92-3	21.41	24.0	111.8%	23.4	109.4%	20.3	94.8%	22.3	104.2%
Iso-Pentane	78-78-4	22.22	24.7	111.3%	24.0	108.1%	20.8	93.5%	23.3	105.0%
N-Pentane	109-66-0	21.62	24.8	114.5%	23.8	110.0%	21.1	97.6%	23.3	107.8%
1,3-Butadiene	106-99-0	16.65	18.7	112.3%	18.3	110.2%	16.2	97.1%	17.5	105.2%
Trans-2-Pentene	646-04-8	22.22	24.3	109.3%	23.7	106.9%	20.8	93.6%	23.2	104.5%
1-Pentene	109-67-1	21.82	23.8	109.3%	23.7	108.7%	19.9	91.2%	23.2	106.5%
Cis-2-Pentene	627-20-3	21.01	21.0	99.8%	21.3	101.5%	17.5	83.3%	20.8	98.8%
2,2-Dimethylbutane	75-83-2	25.94	28.9	111.4%	27.4	105.5%	25.0	96.2%	27.3	105.2%
2-Methylpentane	107-83-5	25.70	28.6	111.3%	26.7	104.0%	23.1	89.9%	26.7	103.8%
Isoprene	78-79-5	21.82	18.8	86.1%	20.6	94.6%	15.2	69.5%	20.4	93.6%
n-Hexane	110-54-3	25.94	23.7	91.4%	25.0	96.4%	25.0	96.2%	25.1	96.6%
Methylcyclopentane	108-87-2	25.94	20.6	79.3%	25.5	98.3%	19.9	76.8%	23.7	91.2%
2,4-Dimethylpentane	108-08-7	30.83	32.3	104.7%	32.0	103.7%	28.6	92.7%	34.2	111.1%
Benzene	71-43-2	25.70	22.7	88.5%	25.2	98.1%	19.5	75.9%	25.6	99.6%
Cyclohexane	110-82-7	25.94	25.2	97.3%	27.8	107.2%	22.2	85.4%	27.2	104.8%
2-Methylhexane	591-76-4	29.98	23.4	77.9%	27.6	92.2%	21.7	72.2%	27.0	90.1%
2,3-Dimethylpentane	565-59-3	29.98	32.8	109.3%	32.2	107.5%	28.5	95.2%	33.7	112.6%
3-Methylhexane	589-34-4	30.26	29.2	96.5%	30.3	100.0%	25.6	84.5%	31.3	103.3%
2,2,4-Trimethylpentane	540-84-1	34.59	31.5	91.1%	32.9	95.1%	29.8	86.2%	34.5	99.6%
n-Heptane	142-82-5	30.26	27.4	90.5%	29.4	97.2%	25.6	84.6%	30.2	99.8%
Methylcyclohexane	108-87-2	29.98	28.0	93.3%	29.6	98.7%	26.2	87.3%	30.2	100.8%
2,3,4-Trimethylpentane	565-75-3	34.26	31.6	92.3%	33.2	97.0%	29.8	87.0%	35.5	103.7%
Toluene	108-88-3	29.98	26.4	88.2%	28.6	95.5%	25.2	84.1%	30.0	100.2%
2-Methylheptane	592-27-8	34.26	30.2	88.2%	32.2	94.1%	28.9	84.5%	34.5	100.8%
3-Methylheptane	589-81-1	34.91	29.9	85.5%	32.7	93.7%	29.7	85.0%	34.9	99.9%
n-Octane	111-65-9	34.59	31.0	89.5%	33.1	95.7%	29.0	83.9%	35.7	103.4%
Ethylbenzene	100-41-4	34.26	29.1	84.8%	30.5	89.1%	27.7	80.8%	33.0	96.2%
M&P-Xylene	108-38-3	67.88	56.0	82.5%	59.1	87.0%	53.8	79.3%	64.7	95.3%
Styrene	100-42-5	32.32	22.9	70.7%	25.4	78.7%	22.4	69.3%	28.7	88.9%
O-Xylene	95-47-6	33.62	30.9	91.9%	31.6	93.9%	28.8	85.5%	34.4	102.3%
N-Nonane	111-84-2	37.82	33.9	89.6%	35.6	94.1%	31.7	83.8%	38.7	102.3%
Isopropylbenzene	98-82-8	37.45	30.5	81.5%	34.6	92.3%	30.5	81.5%	37.9	101.3%
n-Propylbenzene	103-65-1	36.36	29.2	80.3%	32.5	89.4%	28.7	79.0%	36.6	100.5%
1,3,5-Trimethylbenzene	108-67-8	38.18	29.6	77.5%	33.5	87.8%	29.4	77.0%	38.9	101.9%
1,2,4-Trimethylbenzene	95-63-6	38.18	29.3	76.7%	32.2	84.4%	29.4	76.9%	38.8	101.5%
n-Decane	124-18-5	42.83	31.3	73.1%	35.1	81.9%	30.6	71.3%	40.0	93.3%
1,2,3-Trimethylbenzene	526-73-8	38.55	25.3	65.7%	28.9	74.9%	26.0	67.4%	34.5	89.5%
n-Undecane	1120-21-4	46.22	29.2	63.2%	27.8	60.2%	25.9	56.1%	36.4	78.8%

^a Compound order based on elution time.

Table ES-1. (Continued) Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Kennedale		Mansfield		Rhome		Rushing		UTA	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.39	51.3	99.9%	45.0	87.5%	52.0	101.2%	49.8	96.9%	56.2	109.4%
Ethylene	74-85-1	17.29	17.5	101.0%	14.4	83.5%	17.5	101.0%	12.1	69.8%	17.5	101.4%
Propane	74-98-6	12.73	13.2	103.9%	11.4	89.2%	12.1	94.8%	12.2	95.8%	13.5	106.1%
Propylene	115-07-1	13.09	11.1	84.8%	10.0	76.5%	12.3	93.8%	10.4	79.4%	11.4	87.3%
Iso-Butane	75-28-5	17.13	18.5	108.1%	17.3	100.9%	17.6	102.8%	18.2	106.5%	20.1	117.1%
N-Butane	106-97-8	17.29	19.1	110.6%	18.5	106.8%	18.3	106.1%	18.8	109.0%	20.7	120.0%
Acetylene	74-86-2	8.73	8.9	101.7%	6.6	75.3%	8.1	92.6%	7.0	80.5%	8.4	96.8%
Trans-2-Butene	624-64-6	17.13	17.4	101.6%	17.7	103.2%	17.9	104.6%	18.6	108.5%	20.0	116.7%
1-Butene	106-98-9	17.29	18.0	104.2%	17.3	100.1%	17.9	103.7%	18.0	104.3%	19.7	114.2%
Cis-2-Butene	590-18-1	17.45	17.4	99.8%	18.5	106.1%	18.6	106.5%	19.0	109.1%	20.6	118.2%
Cyclopentane	287-92-3	21.41	23.1	108.0%	22.1	103.1%	22.3	103.9%	22.9	106.8%	25.3	118.1%
Iso-Pentane	78-78-4	22.22	23.3	104.7%	22.4	100.8%	23.0	103.5%	23.6	106.2%	26.1	117.7%
N-Pentane	109-66-0	21.62	23.6	109.2%	22.7	104.9%	23.3	107.7%	23.6	109.1%	25.8	119.5%
1,3-Butadiene	106-99-0	16.65	15.1	90.7%	17.0	102.1%	16.5	99.3%	17.9	107.3%	19.6	117.7%
Trans-2-Pentene	646-04-8	22.22	19.9	89.8%	20.9	94.0%	22.4	100.7%	23.4	105.4%	25.5	114.7%
1-Pentene	109-67-1	21.82	18.2	83.3%	19.5	89.2%	21.8	100.0%	23.6	108.0%	25.8	118.1%
Cis-2-Pentene	627-20-3	21.01	12.9	61.3%	17.7	84.3%	17.9	85.2%	20.9	99.7%	22.7	108.2%
2,2-Dimethylbutane	75-83-2	25.94	27.5	105.9%	22.3	86.0%	27.2	104.9%	27.3	105.3%	30.5	117.7%
2-Methylpentane	107-83-5	25.70	26.6	103.6%	23.0	89.5%	26.5	103.0%	25.4	98.7%	29.5	114.7%
Isoprene	78-79-5	21.82	15.1	69.1%	16.0	73.3%	18.7	85.9%	18.9	86.5%	20.6	94.3%
n-Hexane	110-54-3	25.94	26.0	100.1%	23.7	91.4%	25.3	97.3%	24.6	94.7%	27.5	105.9%
Methylcyclopentane	108-87-2	25.94	25.2	97.0%	22.0	84.9%	21.9	84.5%	23.8	91.7%	24.9	96.2%
2,4-Dimethylpentane	108-08-7	30.83	32.1	104.0%	30.1	97.6%	34.4	111.7%	30.1	97.7%	33.3	108.0%
Benzene	71-43-2	25.70	23.7	92.4%	22.6	87.9%	23.2	90.3%	22.1	86.0%	26.7	103.8%
Cyclohexane	110-82-7	25.94	26.7	102.8%	23.6	91.0%	25.2	97.3%	25.0	96.4%	28.9	111.6%
2-Methylhexane	591-76-4	29.98	28.2	94.1%	24.1	80.4%	25.1	83.6%	26.3	87.6%	26.6	88.8%
2,3-Dimethylpentane	565-59-3	29.98	31.5	105.1%	28.9	96.6%	33.0	110.0%	29.9	99.7%	35.9	119.6%
3-Methylhexane	589-34-4	30.26	30.3	100.2%	27.1	89.5%	29.2	96.6%	28.5	94.3%	32.3	106.6%
2,2,4-Trimethylpentane	540-84-1	34.59	34.5	99.8%	30.8	89.0%	34.2	98.8%	32.8	94.7%	35.9	103.7%
n-Heptane	142-82-5	30.26	31.0	102.5%	27.2	90.0%	30.5	100.9%	29.1	96.3%	31.1	102.6%
Methylcyclohexane	108-87-2	29.98	30.6	102.2%	27.3	90.9%	30.1	100.4%	28.5	95.2%	31.1	103.8%
2,3,4-Trimethylpentane	565-75-3	34.26	35.4	103.3%	30.8	89.9%	34.5	100.6%	32.7	95.4%	34.9	102.0%
Toluene	108-88-3	29.98	31.2	104.1%	27.0	90.0%	29.5	98.5%	28.9	96.4%	29.8	99.4%
2-Methylheptane	592-27-8	34.26	35.7	104.2%	29.9	87.2%	33.7	98.4%	31.9	93.1%	33.9	98.9%
3-Methylheptane	589-81-1	34.91	35.2	100.9%	30.5	87.2%	34.4	98.6%	32.3	92.4%	34.7	99.4%
n-Octane	111-65-9	34.59	34.3	99.1%	29.9	86.4%	35.0	101.3%	32.9	95.1%	34.2	99.0%
Ethylbenzene	100-41-4	34.26	30.4	88.7%	27.9	81.3%	32.0	93.3%	29.8	87.0%	30.4	88.9%
M&P-Xylene	108-38-3	67.88	59.8	88.1%	53.1	78.2%	63.1	93.0%	58.0	85.4%	59.3	87.3%
Styrene	100-42-5	32.32	25.6	79.1%	22.9	70.8%	27.9	86.2%	26.0	80.4%	26.3	81.3%
O-Xylene	95-47-6	33.62	32.1	95.5%	32.4	96.5%	33.9	100.8%	30.6	91.0%	31.8	94.5%
N-Nonane	111-84-2	37.82	37.2	98.3%	32.4	85.6%	38.7	102.4%	35.7	94.4%	37.4	98.9%
Isopropylbenzene	98-82-8	37.45	33.3	88.8%	29.5	78.9%	36.7	97.9%	31.9	85.1%	33.4	89.1%
n-Propylbenzene	103-65-1	36.36	31.6	87.0%	29.3	80.7%	35.0	96.3%	31.3	86.1%	32.0	88.1%
1,3,5-Trimethylbenzene	108-67-8	38.18	27.7	72.5%	29.0	75.8%	36.4	95.3%	30.7	80.4%	31.1	81.5%
1,2,4-Trimethylbenzene	95-63-6	38.18	33.0	86.4%	29.7	77.8%	38.2	99.9%	32.7	85.7%	33.9	88.8%
n-Decane	124-18-5	42.83	35.6	83.1%	31.7	74.0%	38.8	90.7%	34.3	80.0%	35.1	81.9%
1,2,3-Trimethylbenzene	526-73-8	38.55	27.0	70.0%	24.9	64.5%	31.5	81.7%	27.3	70.7%	28.5	73.9%
n-Undecane	1120-21-4	46.22	30.0	64.8%	31.3	67.7%	30.4	65.8%	31.2	67.5%	36.6	79.1%

^a Compound order based on elution time.

Table ES-2. Results of Performance Standard for Off-Site Analytical Lab

Compound Name	CAS Number	Input Concentration	Lab Results	Percent Recovery
1,1,1-Trichloroethane	71-55-6	3.5	3.6	104.1%
1,1,2,2-Tetrachloroethane	79-34-5	3.5	2.9	82.1%
1,1,2-Trichloroethane	79-00-5	3.5	3.5	98.9%
1,1-Dichloroethane	75-34-3	3.4	3.2	93.8%
1,1-Dichloroethene	75-35-4	3.5	3.4	97.4%
1,2,4-Trimethylbenzene	95-63-6	3.4	2.1	60.3%
1,2-Dibromoethane	106-93-4	3.5	3.4	96.2%
1,2-Dichloroethane	107-06-2	3.4	3.4	100.2%
1,2-Dichloropropane	78-87-5	3.5	3.2	93.2%
1,3,5-Trimethylbenzene	108-67-8	3.5	2.5	71.5%
1,3-Butadiene	106-99-0	7.0	7.2	102.7%
1-Butene	106-98-9	3.5	3.3	93.4%
1-Hexene	592-41-6	3.2	ND	ND
1-Pentene	109-67-1	3.5	3.5	99.9%
2,2,4-Trimethylpentane	540-84-1	3.5	3.5	100.3%
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	3.5	2.3	66.6%
Benzene	71-43-2	3.5	3.4	98.4%
Bromomethane	74-83-9	3.4	3.4	98.5%
c-1,3-Dichloropropene	10061-01-5	3.4	3.1	90.6%
Carbon tetrachloride	56-23-5	3.5	3.6	101.7%
Chlorobenzene	108-90-7	3.5	3.1	86.3%
Chloroform	67-66-3	3.4	3.5	101.4%
Chloromethane (Methyl Chloride)	74-87-3	3.5	3.3	94.0%
Cyclohexane	110-82-7	3.5	3.1	88.6%
Dichlorodifluoromethane (Freon-12)	75-71-8	3.5	3.2	90.9%
Ethane	74-84-0	20.9	19.5	93.2%
Ethene	74-85-1	6.8	6.8	99.2%
Ethylbenzene	100-41-4	3.6	2.9	82.4%
Methylene Chloride (Dichloromethane)	75-09-2	3.5	3.2	92.9%
m-Xylene & p-Xylene	106-42-3+108-38-3	7.0	6.0	85.9%
n-Butane	106-97-8	3.5	3.1	89.4%
n-Heptane	142-82-5	3.5	3.2	92.0%
n-Hexane	110-54-3	10.5	9.6	91.2%
n-Pentane	109-66-0	3.5	3.2	92.9%
o-Xylene	95-47-6	3.5	2.9	82.4%
Propane	74-98-6	3.3	3.2	94.8%
Propylene	115-07-1	7.0	6.1	86.6%
Styrene	100-42-5	3.5	2.6	73.6%
t-1,3-Dichloropropene	10061-02-6	3.4	3.4	100.7%
Tetrachloroethene	127-18-4	3.4	3.1	88.8%
Toluene	108-88-3	3.5	3.0	85.5%
Trichloroethene	79-01-6	3.4	3.5	100.5%
Trichlorofluoromethane (Freon-11)	75-69-4	3.6	3.6	98.9%
Vinyl Chloride	75-01-4	3.4	3.2	92.6%

QUALITY ASSURANCE AUDIT REPORT

North Texas Commission Ambient Air and Meteorological Monitoring

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EXECUTIVE SUMMARY

On November 11th through 13th and November 18th through 20th, an audit team from the AECOM ambient air group in Austin, Texas conducted performance and technical system audits of the North Texas Commission (NTC) ambient air monitoring network. The audits provide an independent assessment of the monitoring program.

The monitoring program at NTC consists of continuous gas chromatographs (GC), volatile organic compound (VOC) canister collection systems, and meteorological sensors including wind speed, wind direction, and temperature.

The performance and technical systems audit results indicate acceptable responses for measurement systems with the exceptions summarized below.

The aspirator fan at Kennedale was non-operational at the time of the audit. The fan was replaced on November 13th.

The bearings on the wind speed sensor at Dish were outside of audit specifications (<0.3 g/cm) for starting threshold (0.3 g-cm CW, 0.4 g-cm CCW). The bearings were replaced on November 16th.

The bearings on the wind speed sensor at Benbrook were outside of audit specifications (<0.3 g/cm) for starting threshold (0.3 g-cm CW, 0.4 g-cm CCW). The bearings were replaced on November 14th.

The wind direction sensor at Dish was outside of audit specifications ($<2.0^\circ$ error) for alignment (5.6° error) with a maximum total error of 7.1° . Wind direction sensor was re-aligned to 0.5° error with a maximum total error of 2.0° .

The wind direction sensor at Rushing was outside of audit specification ($<2.0^\circ$ error) for alignment (2.3° error) with a maximum total error of -2.6° . Wind direction sensor was re-aligned to -11.8° error with a maximum total error of -2.4° .

The wind direction sensor at Mineral Wells was outside of audit specification ($<2.0^\circ$ error) for alignment (27.7° error) with a maximum total error of 28.8° . Wind direction sensor was re-aligned to 0.0° error with a maximum total error of 1.1° .

The shelter at Wichita Falls has a leak at the top of the shelter which may cause dirt and water damage if not quickly addressed.

The logbook entries at Wichita Falls does not portray the VOC schedule accurately. A cannister listed on the logbook was not found at the shelter. The operator addressed this concern by adding a clarifying logbook entry.

There are trees and tall vegetation within 20 meters of the shelter at Mineral Wells, Decatur, Lancaster, Weatherford, Keller and Rhome. This can negatively impact the accuracy of the data collected by the sensors and gas chromatograph due to air flow obstruction and skewing local measurements.

The sample cane at Weatherford and Gainesville is dirty and requires cleaning to ensure accurate data.

Logbook entries for all site requires departure time.

Out of the 48 compounds being analyzed, six compounds (Ethylene, Acetylene, Styrene, n-Decane, 1,2,3-Trimethylbenzene, and n-Undecane) were found to be outside of the audit objective of 70% - 130% recovery at several sites. In addition, the Elm Fork, Decatur and Rhome sites had the following GC compound recoveries outside of the audit specification:

Locations	Compounds
Elm Fork	Ethane
Decatur	2-Methylhexane
Rhome	M&P-Xylene

These network GC audit results are comparable historically to other AECOM auto-GC audits. The GC audit results are contained in table ES-1. Technical systems audit results demonstrate satisfactory operational procedures for collecting valid data.

A performance evaluation (PE) sample is prepared by the AECOM QA group on a quarterly basis and submitted to the VOC laboratory for analysis. This performance evaluation sample contained known (spiked) concentrations of the target VOCs. A review of the sample recoveries for the spiked target VOCs shows that only four out of the forty-four compounds were not within the range of expected values (70-130%).

- 1,2,4-Trimethylbenzene (51.3%)
- 1,3,5-Trimethylbenzene (65.8%)
- 1-Hexene (Not Detected)
- 4-Ethyltoluene (65.1%)

AECOM QA staff shared the performance evaluation results with the VOC laboratory, and no other corrective action was taken. We will continue to evaluate the compounds in our PE samples and work with the lab to resolve this discrepancy. GD Air's most recent performance evaluation canister results for the third quarter of 2024 are contained below in Table ES-2.

Table ES-1. Audit Standard Results for all Network GCs

			Benbrook		Decatur		Dish		Eagle Mountain Lake	
Compound Name	CAS Number	Audit Conc (ppbc)	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.80	39.9	77.0%	42.3	81.6%	47.4	91.5%	48.6	93.7%
Ethylene	74-85-1	17.29	7.0	40.3%	13.7	79.0%	15.0	86.9%	16.1	93.4%
Propane	74-98-6	12.85	11.2	87.2%	11.1	86.3%	12.2	94.9%	11.9	92.9%
Propylene	115-07-1	12.97	9.9	76.0%	10.8	83.5%	11.9	91.9%	11.4	87.9%
Iso-Butane	75-28-5	17.13	16.7	97.6%	17.7	103.3%	18.5	107.8%	17.6	103.0%
N-Butane	106-97-8	17.62	17.9	101.5%	18.4	104.5%	19.5	110.6%	19.0	107.8%
Acetylene	74-86-2	8.65	4.7	54.5%	5.0	57.9%	5.6	65.3%	7.3	84.5%
Trans-2-Butene	624-64-6	17.29	16.8	96.9%	18.1	104.6%	19.1	110.7%	18.3	105.8%
1-Butene	106-98-9	17.62	16.7	94.6%	18.0	102.3%	18.8	106.9%	18.0	102.2%
Cis-2-Butene	590-18-1	17.29	17.6	101.9%	18.9	109.0%	20.0	115.7%	19.1	110.6%
Cyclopentane	287-92-3	21.82	21.1	96.8%	22.2	101.7%	23.6	108.1%	23.0	105.4%
Iso-Pentane	78-78-4	22.22	21.8	98.1%	22.9	103.3%	24.2	108.8%	23.6	106.4%
N-Pentane	109-66-0	22.22	21.8	98.1%	23.1	103.9%	24.3	109.4%	23.8	106.9%
1,3-Butadiene	106-99-0	16.97	16.5	97.0%	17.2	101.4%	17.8	104.7%	17.8	105.0%
Trans-2-Pentene	646-04-8	22.02	21.3	96.6%	22.3	101.1%	22.0	99.9%	23.5	106.5%
1-Pentene	109-67-1	22.22	19.5	87.8%	20.0	90.2%	18.6	83.5%	20.9	94.1%
Cis-2-Pentene	627-20-3	21.01	17.6	84.0%	18.4	87.5%	16.2	76.9%	19.6	93.1%
2,2-Dimethylbutane	75-83-2	26.18	24.8	94.7%	25.6	97.7%	23.6	90.2%	27.1	103.7%
2-Methylpentane	107-83-5	26.42	24.2	91.6%	25.7	97.3%	29.0	109.8%	26.4	100.1%
Isoprene	78-79-5	21.62	20.8	96.4%	15.9	73.7%	17.1	78.9%	17.4	80.7%
n-Hexane	110-54-3	25.94	24.2	93.3%	20.5	79.1%	23.8	91.9%	30.1	115.9%
Methylcyclopentane	108-87-2	26.18	20.8	79.6%	18.5	70.5%	20.4	78.1%	21.1	80.6%
2,4-Dimethylpentane	108-08-7	30.55	28.2	92.4%	27.7	90.8%	29.3	96.0%	31.8	104.0%
Benzene	71-43-2	25.70	20.6	80.2%	20.2	78.8%	21.6	83.9%	24.0	93.2%
Cyclohexane	110-82-7	25.94	25.2	97.0%	22.5	86.7%	23.5	90.7%	26.5	102.2%
2-Methylhexane	591-76-4	29.41	22.0	74.8%	20.5	69.6%	22.1	75.2%	24.0	81.5%
2,3-Dimethylpentane	565-59-3	29.70	30.5	102.8%	27.9	93.9%	29.3	98.6%	33.4	112.3%
3-Methylhexane	589-34-4	29.98	27.3	90.9%	25.2	84.2%	25.8	85.9%	30.4	101.3%
2,2,4-Trimethylpentane	540-84-1	34.26	30.3	88.6%	27.4	79.9%	30.8	89.8%	33.6	98.0%
n-Heptane	142-82-5	29.70	24.7	83.3%	23.7	79.7%	25.4	85.6%	28.9	97.2%
Methylcyclohexane	108-87-2	29.41	26.1	88.8%	23.9	81.3%	26.6	90.3%	28.1	95.4%
2,3,4-Trimethylpentane	565-75-3	33.94	29.1	85.8%	26.7	78.8%	30.9	90.9%	32.1	94.5%
Toluene	108-88-3	29.70	23.7	79.7%	24.4	82.2%	25.3	85.3%	28.9	97.5%
2-Methylheptane	592-27-8	33.94	27.01	79.6%	26.3	77.6%	29.4	86.5%	31.8	93.6%
3-Methylheptane	589-81-1	34.26	27.82	81.2%	26.6	77.5%	29.9	87.4%	32.3	94.2%
n-Octane	111-65-9	33.62	28.42	84.6%	26.9	79.9%	29.7	88.3%	32.1	95.6%
Ethylbenzene	100-41-4	33.29	25.45	76.5%	25.3	75.9%	27.9	83.9%	29.2	87.7%
M&P-Xylene	108-38-3	66.59	48.32	72.6%	51.4	77.2%	54.1	81.3%	56.7	85.1%
Styrene	100-42-5	32.00	19.72	61.6%	19.7	61.4%	22.9	71.5%	24.2	75.7%
O-Xylene	95-47-6	33.62	27.46	81.7%	26.0	77.5%	29.2	86.8%	30.8	91.7%
N-Nonane	111-84-2	36.73	30.18	82.2%	29.3	79.7%	32.8	89.4%	35.0	95.2%
Isopropylbenzene	98-82-8	36.73	27.44	74.7%	27.2	74.0%	31.4	85.4%	32.9	89.6%
n-Propylbenzene	103-65-1	35.27	25.65	72.7%	25.3	71.8%	29.0	82.3%	31.3	88.8%
1,3,5-Trimethylbenzene	108-67-8	36.73	26.52	72.2%	27.9	75.9%	29.6	80.5%	33.2	90.5%
1,2,4-Trimethylbenzene	95-63-6	36.00	27.56	76.6%	25.7	71.4%	29.6	82.1%	31.8	88.3%
n-Decane	124-18-5	40.40	27.50	68.1%	27.5	68.1%	31.9	78.9%	34.1	84.3%
1,2,3-Trimethylbenzene	526-73-8	34.91	22.83	65.4%	22.1	63.3%	26.2	75.0%	27.6	79.1%
n-Undecane	1120-21-4	41.33	25.76	62.3%	24.0	58.1%	27.2	65.7%	27.3	65.9%

^a Compound order based on elution time.

Table ES-1. (Continued) Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Elm Fork		Everman		Flower Mound		Godley	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.80	34.8	67.2%	51.0	98.5%	39.8	76.9%	50.2	96.9%
Ethylene	74-85-1	17.29	9.4	54.6%	17.8	103.1%	13.4	77.4%	16.2	93.9%
Propane	74-98-6	12.85	13.1	101.7%	12.7	98.7%	11.2	87.5%	12.4	96.4%
Propylene	115-07-1	12.97	11.4	88.2%	12.4	95.9%	10.0	77.1%	10.5	80.8%
Iso-Butane	75-28-5	17.13	19.1	111.2%	18.5	107.9%	15.9	92.7%	17.5	102.1%
N-Butane	106-97-8	17.62	19.8	112.7%	19.4	109.9%	16.7	95.0%	18.3	104.1%
Acetylene	74-86-2	8.65	8.7	100.9%	8.4	96.7%	7.3	84.9%	8.5	98.7%
Trans-2-Butene	624-64-6	17.29	19.5	112.7%	18.4	106.6%	16.4	94.6%	17.6	101.5%
1-Butene	106-98-9	17.62	19.0	108.1%	18.4	104.6%	15.9	90.4%	17.6	100.0%
Cis-2-Butene	590-18-1	17.29	20.1	116.4%	19.2	111.2%	16.9	97.9%	18.4	106.2%
Cyclopentane	287-92-3	21.82	24.0	110.1%	23.0	105.3%	20.5	93.9%	20.1	92.0%
Iso-Pentane	78-78-4	22.22	24.7	111.2%	23.7	106.6%	20.8	93.8%	23.2	104.6%
N-Pentane	109-66-0	22.22	24.4	109.7%	23.5	105.6%	21.3	95.9%	23.2	104.6%
1,3-Butadiene	106-99-0	16.97	18.7	110.1%	18.0	106.2%	15.2	89.4%	17.4	102.7%
Trans-2-Pentene	646-04-8	22.02	24.1	109.4%	23.2	105.6%	20.2	91.7%	22.4	101.8%
1-Pentene	109-67-1	22.22	23.9	107.4%	22.6	101.8%	18.6	83.8%	22.4	100.9%
Cis-2-Pentene	627-20-3	21.01	20.0	95.1%	20.0	95.1%	15.5	73.9%	19.8	94.4%
2,2-Dimethylbutane	75-83-2	26.18	28.4	108.5%	26.4	100.9%	23.5	89.9%	26.6	101.6%
2-Methylpentane	107-83-5	26.42	28.0	106.0%	25.8	97.5%	23.5	88.9%	26.2	99.1%
Isoprene	78-79-5	21.62	18.6	86.3%	18.8	87.2%	24.4	113.0%	18.1	83.6%
n-Hexane	110-54-3	25.94	26.2	100.9%	25.6	98.6%	24.4	94.2%	24.6	94.7%
Methylcyclopentane	108-87-2	26.18	26.9	102.6%	25.3	96.6%	19.9	76.0%	22.8	87.0%
2,4-Dimethylpentane	108-08-7	30.55	30.5	99.9%	32.5	106.4%	29.2	95.4%	32.9	107.8%
Benzene	71-43-2	25.70	23.9	92.8%	23.7	92.4%	20.1	78.0%	24.6	95.8%
Cyclohexane	110-82-7	25.94	26.5	102.3%	26.4	101.8%	22.5	86.7%	27.1	104.6%
2-Methylhexane	591-76-4	29.41	28.6	97.4%	26.3	89.4%	22.0	74.8%	26.0	88.4%
2,3-Dimethylpentane	565-59-3	29.70	31.0	104.3%	31.9	107.5%	28.5	95.9%	33.6	113.1%
3-Methylhexane	589-34-4	29.98	30.1	100.5%	29.8	99.4%	25.7	85.8%	31.0	103.5%
2,2,4-Trimethylpentane	540-84-1	34.26	35.0	102.3%	34.8	101.7%	30.3	88.5%	34.5	100.7%
n-Heptane	142-82-5	29.70	29.8	100.2%	29.6	99.7%	25.8	86.8%	29.7	99.9%
Methylcyclohexane	108-87-2	29.41	30.5	103.5%	30.3	103.0%	26.0	88.6%	29.5	100.3%
2,3,4-Trimethylpentane	565-75-3	33.94	33.7	99.2%	34.6	101.9%	29.5	86.9%	34.3	101.0%
Toluene	108-88-3	29.70	27.6	92.9%	28.9	97.5%	25.2	84.9%	28.9	97.2%
2-Methylheptane	592-27-8	33.94	33.2	97.7%	33.3	98.1%	28.4	83.6%	33.0	97.3%
3-Methylheptane	589-81-1	34.26	32.8	95.8%	33.9	98.8%	28.8	84.1%	33.7	98.3%
n-Octane	111-65-9	33.62	33.6	100.0%	34.1	101.4%	28.6	85.1%	34.6	103.0%
Ethylbenzene	100-41-4	33.29	31.3	93.9%	31.3	93.9%	26.4	79.1%	29.5	88.6%
M&P-Xylene	108-38-3	66.59	61.1	91.8%	61.3	92.1%	50.2	75.3%	57.6	86.5%
Styrene	100-42-5	32.00	27.5	85.8%	26.1	81.5%	22.0	68.6%	26.6	83.2%
O-Xylene	95-47-6	33.62	32.2	95.6%	33.0	98.2%	26.9	80.0%	31.8	94.5%
N-Nonane	111-84-2	36.73	36.1	98.2%	37.6	102.5%	30.9	84.1%	36.5	99.4%
Isopropylbenzene	98-82-8	36.73	34.4	93.8%	36.0	98.0%	28.6	77.7%	32.2	87.8%
n-Propylbenzene	103-65-1	35.27	32.6	92.5%	33.9	96.2%	26.8	75.9%	31.4	89.0%
1,3,5-Trimethylbenzene	108-67-8	36.73	33.3	90.5%	36.6	99.7%	25.7	70.1%	32.2	87.6%
1,2,4-Trimethylbenzene	95-63-6	36.00	34.2	95.1%	34.8	96.8%	26.6	73.9%	35.3	98.0%
n-Decane	124-18-5	40.40	37.7	93.3%	37.2	92.1%	29.3	72.4%	34.1	84.4%
1,2,3-Trimethylbenzene	526-73-8	34.91	32.5	93.1%	31.5	90.3%	22.5	64.5%	27.6	79.1%
n-Undecane	1120-21-4	41.33	37.4	90.5%	30.3	73.2%	25.4	61.5%	33.5	80.9%

^a Compound order based on elution time.

Table ES-1. (Continued) Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Kennedale		Mansfield		Rhome		Rushing		UTA	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.80	50.4	97.3%	41.8	80.7%	51.5	99.4%	43.9	84.8%	54.2	104.6%
Ethylene	74-85-1	17.29	17.2	99.2%	13.5	78.2%	16.9	97.6%	13.3	77.2%	14.3	82.6%
Propane	74-98-6	12.85	12.5	97.5%	11.6	90.1%	12.2	94.6%	11.5	89.8%	13.8	107.1%
Propylene	115-07-1	12.97	12.1	93.4%	9.8	75.8%	11.0	85.0%	9.7	74.7%	10.7	82.8%
Iso-Butane	75-28-5	17.13	16.1	94.2%	18.0	105.3%	16.8	97.9%	17.6	102.7%	19.8	115.5%
N-Butane	106-97-8	17.62	16.3	92.8%	18.9	107.1%	17.5	99.6%	18.5	104.8%	20.9	118.6%
Acetylene	74-86-2	8.65	8.3	96.6%	6.5	74.6%	7.7	89.3%	6.1	71.0%	7.9	91.8%
Trans-2-Butene	624-64-6	17.29	15.8	91.4%	17.9	103.5%	17.1	99.1%	17.8	102.9%	20.2	117.1%
1-Butene	106-98-9	17.62	16.7	94.8%	17.6	99.8%	16.9	96.0%	17.6	99.9%	19.9	112.8%
Cis-2-Butene	590-18-1	17.29	19.8	114.8%	18.6	107.7%	17.7	102.1%	18.6	107.8%	20.9	120.9%
Cyclopentane	287-92-3	21.82	19.8	91.0%	22.7	104.1%	21.3	97.8%	22.4	102.7%	25.9	118.5%
Iso-Pentane	78-78-4	22.22	21.0	94.8%	23.3	104.7%	22.4	100.6%	23.5	106.0%	26.3	118.5%
N-Pentane	109-66-0	22.22	21.1	95.3%	23.5	105.5%	22.3	100.5%	23.4	105.4%	26.0	116.9%
1,3-Butadiene	106-99-0	16.97	15.8	93.1%	17.5	103.0%	16.8	98.9%	17.7	104.2%	19.8	116.7%
Trans-2-Pentene	646-04-8	22.02	20.6	93.5%	22.5	102.0%	21.6	98.0%	23.0	104.3%	25.5	115.8%
1-Pentene	109-67-1	22.22	20.6	92.8%	22.4	101.0%	21.4	96.1%	23.2	104.2%	25.5	114.8%
Cis-2-Pentene	627-20-3	21.01	18.2	86.6%	18.8	89.3%	18.5	87.9%	20.2	96.0%	22.0	104.8%
2,2-Dimethylbutane	75-83-2	26.18	24.5	93.5%	27.1	103.7%	25.1	95.7%	27.1	103.7%	30.6	116.7%
2-Methylpentane	107-83-5	26.42	23.9	90.6%	26.2	99.2%	24.2	91.7%	25.4	96.1%	29.2	110.6%
Isoprene	78-79-5	21.62	17.3	79.9%	16.4	76.0%	16.8	77.7%	16.8	77.6%	18.6	86.2%
n-Hexane	110-54-3	25.94	24.9	96.0%	24.3	93.6%	27.6	106.4%	22.4	86.2%	28.9	111.5%
Methylcyclopentane	108-87-2	26.18	22.9	87.4%	23.1	88.2%	21.9	83.7%	20.2	77.2%	26.7	102.2%
2,4-Dimethylpentane	108-08-7	30.55	32.8	107.4%	28.5	93.4%	32.2	105.5%	30.4	99.6%	34.6	113.3%
Benzene	71-43-2	25.70	24.9	97.1%	23.6	91.8%	21.7	84.3%	22.9	89.2%	27.6	107.3%
Cyclohexane	110-82-7	25.94	26.4	101.9%	24.8	95.5%	24.2	93.2%	24.8	95.5%	30.2	116.6%
2-Methylhexane	591-76-4	29.41	27.0	91.8%	25.4	86.4%	25.1	85.2%	23.1	78.6%	28.6	97.1%
2,3-Dimethylpentane	565-59-3	29.70	32.8	110.6%	29.2	98.2%	31.3	105.3%	30.5	102.8%	36.3	122.3%
3-Methylhexane	589-34-4	29.98	31.9	106.4%	28.0	93.3%	28.7	95.8%	27.8	92.7%	33.5	111.7%
2,2,4-Trimethylpentane	540-84-1	34.26	34.8	101.5%	31.1	90.7%	34.0	99.2%	30.6	89.3%	37.5	109.5%
n-Heptane	142-82-5	29.70	30.3	102.0%	27.0	90.9%	29.6	99.6%	26.5	89.1%	32.5	109.4%
Methylcyclohexane	108-87-2	29.41	29.7	101.2%	26.8	91.1%	28.8	97.8%	26.4	89.6%	32.6	110.8%
2,3,4-Trimethylpentane	565-75-3	33.94	34.3	101.0%	30.5	89.8%	33.8	99.6%	29.8	87.7%	36.4	107.3%
Toluene	108-88-3	29.70	29.6	99.7%	26.6	89.6%	28.6	96.4%	27.6	92.8%	31.0	104.5%
2-Methylheptane	592-27-8	33.94	34.1	100.5%	29.5	87.0%	33.4	98.3%	29.8	87.9%	35.2	103.8%
3-Methylheptane	589-81-1	34.26	34.6	101.1%	30.1	88.0%	34.0	99.1%	30.2	88.2%	36.1	105.5%
n-Octane	111-65-9	33.62	35.3	105.2%	29.9	89.1%	34.9	103.8%	29.7	88.4%	36.0	107.1%
Ethylbenzene	100-41-4	33.29	32.0	96.0%	26.7	80.3%	31.1	93.3%	27.8	83.6%	31.6	95.0%
M&P-Xylene	108-38-3	66.59	63.1	94.8%	51.0	76.7%	38.8	58.3%	54.4	81.8%	61.7	92.7%
Styrene	100-42-5	32.00	28.5	89.2%	24.0	74.9%	26.3	82.3%	25.1	78.4%	28.5	89.0%
O-Xylene	95-47-6	33.62	33.1	98.6%	26.7	79.5%	32.6	96.9%	29.6	88.1%	33.1	98.4%
N-Nonane	111-84-2	36.73	38.2	104.0%	31.8	86.5%	38.1	103.8%	33.7	91.8%	39.4	107.4%
Isopropylbenzene	98-82-8	36.73	34.8	94.7%	27.8	75.6%	35.1	95.7%	30.5	83.0%	34.7	94.4%
n-Propylbenzene	103-65-1	35.27	34.1	96.8%	27.3	77.5%	33.3	94.4%	29.3	83.2%	33.3	94.3%
1,3,5-Trimethylbenzene	108-67-8	36.73	34.7	94.6%	28.0	76.1%	33.2	90.4%	31.1	84.6%	33.4	90.9%
1,2,4-Trimethylbenzene	95-63-6	36.00	36.2	100.6%	30.5	84.8%	35.1	97.4%	33.0	91.8%	36.4	101.2%
n-Decane	124-18-5	40.40	39.2	97.0%	33.2	82.2%	37.9	93.9%	32.7	80.9%	36.8	91.1%
1,2,3-Trimethylbenzene	526-73-8	34.91	31.2	89.3%	26.7	76.5%	29.4	84.2%	26.7	76.6%	30.4	87.2%
n-Undecane	1120-21-4	41.33	37.8	91.5%	36.7	88.9%	29.5	71.5%	32.1	77.6%	40.1	97.1%

^a Compound order based on elution time.

Table ES-2. Results of Performance Standard for Off-Site Analytical Lab

Compound Name	CAS Number	Input Concentration	Lab Results	Percent Recovery
1,1,1-Trichloroethane	71-55-6	3.5	3.4	98.7%
1,1,1,2-Tetrachloroethane	79-34-5	3.5	2.9	82.1%
1,1,2-Trichloroethane	79-00-5	3.5	3.4	97.4%
1,1-Dichloroethane	75-34-3	3.4	3.5	102.2%
1,1-Dichloroethene	75-35-4	3.5	3.5	98.6%
1,2,4-Trimethylbenzene	95-63-6	3.4	1.8	51.3%
1,2-Dibromoethane	106-93-4	3.5	3.3	93.1%
1,2-Dichloroethane	107-06-2	3.4	3.3	95.5%
1,2-Dichloropropane	78-87-5	3.5	3.2	91.7%
1,3,5-Trimethylbenzene	108-67-8	3.5	2.3	65.8%
1,3-Butadiene	106-99-0	7.0	7.7	109.9%
1-Butene	106-98-9	3.5	3.3	93.1%
1-Hexene	592-41-6	3.2	ND	ND
1-Pentene	109-67-1	3.5	3.4	95.7%
2,2,4-Trimethylpentane	540-84-1	3.5	3.7	106.3%
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	3.5	2.3	65.1%
Benzene	71-43-2	3.5	3.3	94.6%
Bromomethane	74-83-9	3.4	3.3	98.2%
c-1,3-Dichloropropene	10061-01-5	3.4	3.1	92.4%
Carbon tetrachloride	56-23-5	3.5	3.4	98.3%
Chlorobenzene	108-90-7	3.5	3.0	85.8%
Chloroform	67-66-3	3.4	3.3	97.0%
Chloromethane (Methyl Chloride)	74-87-3	3.5	3.2	91.2%
Cyclohexane	110-82-7	3.5	3.1	87.4%
Dichlorodifluoromethane (Freon-12)	75-71-8	3.5	3.3	93.8%
Ethane	74-84-0	20.9	20.1	96.0%
Ethene	74-85-1	6.8	7.2	105.4%
Ethylbenzene	100-41-4	3.6	2.7	75.1%
Ethylene Chloride (Dichloromethane)	75-09-2	3.5	3.4	98.7%
m-Xylene & p-Xylene	106-42-3+108-38-3	7.0	6.0	85.3%
n-Butane	106-97-8	3.5	3.3	95.8%
n-Heptane	142-82-5	3.5	3.4	96.6%
n-Hexane	110-54-3	10.5	10.5	99.9%
n-Pentane	109-66-0	3.5	3.4	96.6%
o-Xylene	95-47-6	3.5	2.9	82.4%
Propane	74-98-6	3.3	3.5	105.9%
Propylene	115-07-1	7.0	6.6	93.3%
Styrene	100-42-5	3.5	2.5	70.5%
t-1,3-Dichloropropene	10061-02-6	3.4	3.6	106.9%
Tetrachloroethene	127-18-4	3.4	2.9	85.6%
Toluene	108-88-3	3.5	2.9	82.4%
Trichloroethene	79-01-6	3.4	3.4	100.2%
Trichlorofluoromethane (Freon-11)	75-69-4	3.5	3.1	88.6%
Vinyl Chloride	75-01-4	3.4	3.3	94.7%

QUALITY ASSURANCE AUDIT REPORT

North Texas Commission Ambient Air and Meteorological Monitoring

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EXECUTIVE SUMMARY

On May 12th- May 15th, an audit team from the AECOM ambient air group in Austin, Texas conducted performance and technical system audits of the North Texas Commission (NTC) ambient air monitoring network. The audits provide an independent assessment of the monitoring program.

The monitoring program at NTC consists of continuous gas chromatographs (GC), volatile organic compound (VOC) canister collection systems, and meteorological sensors including wind speed, wind direction, and temperature.

The performance audit results indicate acceptable responses for measurement systems with the exceptions summarized below.

The wind direction sensor at Wichita Falls was outside of audit specification for linearity ($\pm 3^\circ$) with a maximum linearity error of 3.9° . However, the maximum total error is still within audit guidance ($\pm 5.0^\circ$) with a maximum total error of 4.8° . It is recommended that the sensor be replaced.

The wind direction sensor at Bowie was outside of audit specification for linearity ($\pm 3^\circ$) with a maximum linearity error of 3.6° . However, the maximum total error is still within audit guidance ($\pm 5.0^\circ$) with a maximum total error of 4.2° . It is recommended that the bearings in the wind sensor be replaced.

The wind direction sensor's sleeve at Mineral Wells was down upon arrival and was unable to be moved back to its original position. The readings were volatile and inaccurate, which may have been a result from water damage during the most recent storm. The sensor was replaced after the initial audit and passed the re-audit for all criteria.

The wind direction sensor at Gainesville was outside of audit guidance for alignment ($\pm 2.0^\circ$) with an alignment error of 3.1° . However, the maximum total error is still within guidance ($\pm 5.0^\circ$) with a max total error of 4.5° . The sensor was realigned with a new alignment error of -0.8° and a new max total error of -3.2° .

The wind direction sensor at Decatur was outside of audit criteria for starting threshold (<6.3 g-cm) with a torque test value of 7 g-cm. It is recommended that the bearings in the wind direction sensor be replaced.

The wind speed sensor at Decatur was outside of audit criteria for starting threshold (<0.4 g-cm) with a torque test value of 0.6 g-cm CCW and 0.7 g-cm CW. It is recommended that the bearings in the wind speed sensor be replaced.

The wind speed sensor at Dish was outside of audit criteria for starting threshold (<0.4 g-cm) with a torque test value of 0.6 g-cm CCW and 0.8 g-cm CW. It is recommended that the bearings in the wind speed sensor be replaced.

The wind direction sensor at UTA was outside of audit criteria for alignment ($\pm 2.0^\circ$) and maximum total error ($\pm 5.0^\circ$) with an alignment error of 2.6° and a maximum total error of 5.1° . The sensor was realigned with a new alignment error of 0.8° and a new max total error of 3.3° .

The wind speed sensor at UTA was outside of audit criteria for starting threshold (<0.4 g-cm) with a torque test value of 0.5 g-cm CCW and 0.5 g-cm CW. It is recommended that the bearings in the wind speed sensor be replaced.

The aspirator fan at UTA has limited flow and is running at a slower rate than normal. It is recommended that the fan gets replaced at the earliest convenience.

The datalogger's clock at Rushing is off by 5 minutes and 16 seconds from the actual time. It is recommended that the clock be readjusted to ensure accurate data.

The wind speed sensor at Benbrook was outside of audit criteria for starting threshold (<0.4 g-cm) with a torque test value of 0.9 g-cm CCW and 0.9 g-cm CW. It is recommended that the bearing in the wind speed sensor be replaced.

The wind direction at Everman was outside of audit criteria for alignment ($\pm 2.0^\circ$) and maximum total error ($\pm 5.0^\circ$) with an alignment error of 4.1° and a maximum total error of 6.4° . The sensor was realigned with a new alignment error of 0.6° and a new max total error of 2.9° .

The wind speed sensor at Godley was outside of audit criteria for starting threshold (<0.4 g/cm) with a torque test value of 0.5 g-cm CCW and 0.5 g-cm CW. It is recommended that the bearings in the wind speed sensor be replaced.

Out of the 48 compounds being analyzed, six compounds (Ethylene, Acetylene, Isoprene, Styrene, 1,2,3- Trimethylbenzene, and n-Undecane) were found to be outside of the audit objective of 70% - 130% recovery at several sites. In addition, UTA and Mansfield sites had the following GC compound recoveries outside of the audit specification:

Locations	Compounds
Mansfield	1, 3, 5-Trimethylbenzene N-Decane
UTA	Ethane Propylene 2,3-Dimethylpentane

These network GC audit results are comparable historically to other AECOM auto-GC audits. The GC audit results are contained in table ES-1. Technical systems audit results demonstrate satisfactory operational procedures for collecting valid data.

A performance evaluation (PE) sample is prepared by the AECOM QA group on a quarterly basis and submitted to the VOC laboratory for analysis. This performance evaluation sample contained known (spiked) concentrations of the target VOCs. A review of the sample recoveries for the spiked target VOCs shows that twelve out of the forty-four compounds were not within the range of expected values (70-130%).

- 1,1,2,2-Tetrachloroethane (56.5%)
- 1,2,4-Trimethylbenzene (40.4%)
- 1,3,5-Trimethylbenzene (52.2%)
- 2-Methyl-1-Pentene & 1-Hexene (ND)
- 4-Ethyltoluene (p-Ethyltoluene) (44.4%)
- Chlorobenzene (68.1%)
- Ethene (62.6%)
- Ethylbenzene (63.2%)
- o-Xylene (65.2%)
- Styrene (57.4%)
- Tetrachloroethene (64.9%)
- Toluene (66.6%)

AECOM QA staff shared the performance evaluation results with the VOC laboratory, and no other corrective action was taken. We will continue to evaluate these compounds in our PE samples and work with the lab to resolve this discrepancy. GD Air's most recent performance evaluation canister results for the first quarter of 2025 are contained below in Table ES-2.

Table ES-1. Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Benbrook		Decatur		Dish		Eagle Mountain Lake	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.80	41.9	80.9%	42.7	82.4%	44.3	85.4%	45.4	87.6%
Ethylene	74-85-1	17.20	8.4	49.1%	14.3	83.1%	14.7	85.3%	15.3	88.7%
Propane	74-98-6	12.90	10.4	80.8%	11.7	90.5%	10.9	84.7%	11.5	89.4%
Propylene	115-07-1	12.90	9.7	74.9%	10.0	77.8%	10.0	77.3%	10.2	78.9%
Iso-Butane	75-28-5	17.20	16.3	95.0%	19.0	110.3%	16.9	98.1%	17.0	99.0%
N-Butane	106-97-8	17.60	17.0	96.7%	19.4	110.3%	17.5	99.2%	17.9	101.9%
Acetylene	74-86-2	8.60	4.3	50.3%	6.4	74.4%	5.8	68.0%	6.1	71.1%
Trans-2-Butene	624-64-6	17.20	16.5	95.9%	18.9	110.1%	16.9	98.0%	17.7	103.0%
1-Butene	106-98-9	17.60	16.3	92.4%	18.8	106.8%	16.9	96.0%	17.3	98.5%
Cis-2-Butene	590-18-1	17.20	17.3	100.5%	19.9	115.8%	17.8	103.7%	18.3	106.4%
Cyclopentane	287-92-3	22.00	20.6	93.5%	23.5	106.7%	21.1	96.1%	22.4	102.0%
Iso-Pentane	78-78-4	22.00	20.9	95.1%	23.8	108.3%	21.2	96.2%	22.6	102.6%
N-Pentane	109-66-0	22.00	21.0	95.3%	24.3	110.3%	21.7	98.5%	22.7	103.1%
1,3-Butadiene	106-99-0	16.80	15.6	93.1%	17.7	105.4%	14.8	88.0%	16.3	97.3%
Trans-2-Pentene	646-04-8	21.50	20.6	95.9%	23.7	110.4%	19.9	92.7%	22.5	104.4%
1-Pentene	109-67-1	22.00	19.1	86.9%	21.6	98.0%	17.1	77.8%	20.3	92.3%
Cis-2-Pentene	627-20-3	21.50	16.7	77.5%	19.8	92.2%	15.5	72.3%	17.8	82.7%
2,2-Dimethylbutane	75-83-2	26.40	24.4	92.5%	27.9	105.6%	23.3	88.4%	26.5	100.3%
2-Methylpentane	107-83-5	26.40	23.5	89.1%	27.4	103.6%	23.6	89.5%	25.4	96.3%
Isoprene	78-79-5	21.50	14.4	67.2%	17.6	81.8%	14.7	68.6%	15.6	72.6%
n-Hexane	110-54-3	25.80	23.9	92.6%	24.0	92.9%	21.8	84.5%	23.0	89.3%
Methylcyclopentane	108-87-2	26.40	20.8	78.8%	21.3	80.7%	20.3	76.8%	20.9	79.0%
2,4-Dimethylpentane	108-08-7	30.80	28.2	91.5%	31.8	103.2%	29.6	96.0%	31.9	103.7%
Benzene	71-43-2	25.80	20.8	80.8%	23.1	89.5%	21.3	82.6%	23.0	89.2%
Cyclohexane	110-82-7	25.80	25.3	98.3%	24.5	94.9%	24.3	94.3%	25.6	99.3%
2-Methylhexane	591-76-4	29.40	22.4	76.0%	22.6	76.9%	22.1	75.1%	22.7	77.1%
2,3-Dimethylpentane	565-59-3	29.40	30.8	104.8%	30.4	103.3%	30.0	102.2%	32.4	110.1%
3-Methylhexane	589-34-4	30.10	27.9	92.8%	22.6	75.1%	26.6	88.5%	29.2	97.0%
2,2,4-Trimethylpentane	540-84-1	34.40	30.0	87.2%	30.8	89.7%	29.9	87.0%	30.7	89.3%
n-Heptane	142-82-5	29.40	25.4	86.2%	27.1	92.3%	25.8	87.8%	26.4	89.9%
Methylcyclohexane	108-87-2	29.40	26.1	88.8%	27.7	94.1%	26.5	90.1%	27.3	92.7%
2,3,4-Trimethylpentane	565-75-3	33.60	29.8	88.6%	30.8	91.7%	39.1	116.2%	32.2	95.7%
Toluene	108-88-3	29.40	25.4	86.3%	28.8	97.8%	24.8	84.2%	28.3	96.1%
2-Methylheptane	592-27-8	33.60	29.06	86.5%	30.3	90.3%	28.7	85.5%	31.1	92.5%
3-Methylheptane	589-81-1	34.40	29.19	84.8%	30.7	89.2%	29.3	85.2%	31.5	91.5%
n-Octane	111-65-9	33.60	28.35	84.4%	31.1	92.6%	29.6	88.0%	31.2	92.9%
Ethylbenzene	100-41-4	33.60	26.04	77.5%	28.4	84.4%	26.9	80.1%	27.7	82.4%
M&P-Xylene	108-38-3	132.80	99.22	74.7%	107.0	80.6%	107.1	80.7%	106.1	79.9%
Styrene	100-42-5	32.00	19.15	59.8%	22.2	69.5%	21.8	68.2%	22.0	68.7%
O-Xylene	95-47-6	33.60	26.12	77.7%	29.4	87.4%	28.4	84.6%	28.8	85.6%
N-Nonane	111-84-2	36.90	29.64	80.3%	33.9	91.8%	32.5	88.0%	33.1	89.7%
Isopropylbenzene	98-82-8	36.90	28.49	77.2%	29.3	79.4%	29.5	79.9%	29.8	80.8%
n-Propylbenzene	103-65-1	35.10	26.43	75.3%	27.6	78.7%	27.8	79.3%	28.9	82.5%
1,3,5-Trimethylbenzene	108-67-8	36.90	27.70	75.1%	28.9	78.3%	26.5	71.7%	29.0	78.6%
1,2,4-Trimethylbenzene	95-63-6	36.00	28.27	78.5%	27.2	75.5%	28.7	79.7%	28.8	80.1%
n-Decane	124-18-5	40.00	30.19	75.5%	30.2	75.5%	33.1	82.8%	32.9	82.2%
1,2,3-Trimethylbenzene	526-73-8	35.10	23.04	65.6%	22.0	62.7%	23.8	67.9%	24.2	68.9%
n-Undecane	1120-21-4	41.80	23.14	55.4%	25.7	61.4%	27.0	64.6%	26.4	63.1%

^a Compound order based on elution time.

Table ES-1. (Continued) Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Elm Fork		Everman		Flower Mound		Godley	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.80	54.3	104.8%	50.1	96.7%	44.1	85.1%	51.8	100.0%
Ethylene	74-85-1	17.20	18.9	109.9%	16.5	95.8%	14.0	81.6%	16.5	95.8%
Propane	74-98-6	12.90	13.7	106.1%	12.5	96.8%	11.0	85.0%	12.3	95.5%
Propylene	115-07-1	12.90	12.8	99.4%	11.1	86.2%	10.5	81.4%	10.8	83.5%
Iso-Butane	75-28-5	17.20	20.6	119.9%	19.7	114.5%	15.7	91.0%	17.6	102.5%
N-Butane	106-97-8	17.60	21.2	120.2%	20.5	116.4%	16.0	91.1%	18.4	104.5%
Acetylene	74-86-2	8.60	8.7	101.5%	7.4	85.9%	6.1	70.8%	7.1	82.5%
Trans-2-Butene	624-64-6	17.20	20.5	118.9%	19.8	114.9%	15.5	90.3%	17.4	101.2%
1-Butene	106-98-9	17.60	20.1	114.3%	19.6	111.4%	15.4	87.3%	17.3	98.3%
Cis-2-Butene	590-18-1	17.20	21.2	123.1%	20.4	118.5%	16.1	93.8%	17.9	104.1%
Cyclopentane	287-92-3	22.00	25.5	115.7%	24.4	110.8%	19.7	89.8%	22.1	100.3%
Iso-Pentane	78-78-4	22.00	25.9	117.6%	24.9	113.4%	20.0	90.9%	22.9	104.3%
N-Pentane	109-66-0	22.00	25.9	117.7%	24.7	112.5%	19.3	87.6%	23.0	104.4%
1,3-Butadiene	106-99-0	16.80	19.7	117.5%	19.0	113.3%	14.4	85.6%	17.4	103.5%
Trans-2-Pentene	646-04-8	21.50	25.6	119.2%	24.4	113.4%	20.1	93.6%	22.4	104.2%
1-Pentene	109-67-1	22.00	25.2	114.4%	23.7	107.7%	18.7	85.0%	22.2	100.7%
Cis-2-Pentene	627-20-3	21.50	22.8	106.1%	21.1	98.1%	17.8	82.6%	19.6	91.3%
2,2-Dimethylbutane	75-83-2	26.40	29.9	113.4%	28.2	106.9%	23.7	89.6%	26.4	99.9%
2-Methylpentane	107-83-5	26.40	28.9	109.5%	27.2	103.0%	22.7	85.9%	26.1	98.8%
Isoprene	78-79-5	21.50	21.4	99.7%	19.7	91.4%	16.6	77.0%	18.1	84.1%
n-Hexane	110-54-3	25.80	27.6	107.1%	27.8	107.9%	25.0	96.8%	27.2	105.5%
Methylcyclopentane	108-87-2	26.40	27.4	103.8%	27.8	105.5%	22.4	85.0%	24.8	94.0%
2,4-Dimethylpentane	108-08-7	30.80	31.9	103.5%	34.3	111.5%	28.5	92.6%	33.8	109.6%
Benzene	71-43-2	25.80	25.6	99.4%	26.0	100.9%	22.8	88.4%	25.7	99.8%
Cyclohexane	110-82-7	25.80	27.9	108.0%	29.3	113.5%	23.5	91.2%	27.9	108.1%
2-Methylhexane	591-76-4	29.40	29.2	99.3%	28.4	96.5%	24.6	83.7%	26.8	91.2%
2,3-Dimethylpentane	565-59-3	29.40	32.1	109.3%	33.6	114.4%	28.7	97.6%	34.1	116.0%
3-Methylhexane	589-34-4	30.10	31.5	104.6%	31.5	104.7%	27.1	90.2%	32.8	109.0%
2,2,4-Trimethylpentane	540-84-1	34.40	35.4	102.8%	36.1	104.9%	30.7	89.4%	34.6	100.5%
n-Heptane	142-82-5	29.40	30.4	103.4%	31.6	107.7%	27.0	91.9%	30.8	104.8%
Methylcyclohexane	108-87-2	29.40	31.7	107.9%	32.6	110.8%	26.9	91.4%	30.1	102.2%
2,3,4-Trimethylpentane	565-75-3	33.60	35.2	104.9%	36.0	107.2%	30.6	91.0%	35.2	104.9%
Toluene	108-88-3	29.40	27.9	95.0%	30.5	103.7%	25.5	86.8%	28.7	97.8%
2-Methylheptane	592-27-8	33.60	34.6	102.9%	34.6	103.1%	29.7	88.5%	33.9	100.8%
3-Methylheptane	589-81-1	34.40	35.1	102.1%	35.3	102.6%	30.4	88.3%	34.5	100.4%
n-Octane	111-65-9	33.60	34.9	103.9%	35.6	105.9%	30.0	89.4%	34.9	103.8%
Ethylbenzene	100-41-4	33.60	32.3	96.3%	31.8	94.7%	28.2	83.9%	30.8	91.8%
M&P-Xylene	108-38-3	132.80	127.8	96.2%	123.9	93.3%	107.5	81.0%	120.4	90.7%
Styrene	100-42-5	32.00	28.4	88.6%	26.3	82.1%	23.2	72.6%	27.2	84.9%
O-Xylene	95-47-6	33.60	34.0	101.3%	34.3	102.2%	28.4	84.7%	32.5	96.6%
N-Nonane	111-84-2	36.90	38.1	103.2%	39.3	106.6%	31.9	86.5%	37.3	101.2%
Isopropylbenzene	98-82-8	36.90	35.9	97.2%	35.7	96.7%	30.5	82.8%	34.5	93.5%
n-Propylbenzene	103-65-1	35.10	34.4	98.1%	33.8	96.3%	28.5	81.2%	33.1	94.3%
1,3,5-Trimethylbenzene	108-67-8	36.90	35.6	96.5%	35.5	96.1%	26.4	71.5%	33.7	91.4%
1,2,4-Trimethylbenzene	95-63-6	36.00	37.8	104.9%	36.6	101.7%	27.2	75.4%	34.7	96.4%
n-Decane	124-18-5	40.00	38.8	97.1%	40.0	100.0%	30.7	76.7%	36.6	91.5%
1,2,3-Trimethylbenzene	526-73-8	35.10	33.3	94.8%	29.5	84.0%	24.3	69.2%	28.4	80.9%
n-Undecane	1120-21-4	41.80	39.2	93.8%	32.3	77.3%	24.5	58.7%	28.5	68.1%

^a Compound order based on elution time.

Table ES-1. (Continued) Audit Standard Results for all Network GCs

Compound Name	CAS Number	Audit Conc (ppbc)	Kennedale		Mansfield		Rhome		Rushing		UTA	
			Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery	Post Processed ppbc	Percent Recovery
Ethane	74-84-0	51.80	50.4	97.3%	42.4	81.9%	50.4	97.2%	48.8	94.2%	36.2	69.9%
Ethylene	74-85-1	17.20	16.1	93.5%	11.3	65.9%	15.8	92.0%	15.8	91.6%	7.9	45.8%
Propane	74-98-6	12.90	12.0	93.3%	10.9	84.1%	11.9	92.2%	11.6	89.6%	13.2	102.6%
Propylene	115-07-1	12.90	11.2	87.0%	9.8	75.7%	10.1	78.5%	11.2	87.0%	8.8	68.5%
Iso-Butane	75-28-5	17.20	15.3	89.2%	18.2	105.9%	16.8	97.4%	17.5	101.9%	20.7	120.2%
N-Butane	106-97-8	17.60	16.1	91.5%	18.8	106.6%	17.4	98.8%	18.4	104.5%	21.9	124.7%
Acetylene	74-86-2	8.60	7.3	84.6%	5.7	66.1%	7.5	87.1%	6.6	76.6%	6.7	77.6%
Trans-2-Butene	624-64-6	17.20	15.6	91.0%	18.0	104.6%	16.8	98.0%	17.5	101.8%	20.8	120.8%
1-Butene	106-98-9	17.60	15.5	88.3%	17.7	100.8%	16.7	94.8%	17.2	98.0%	20.0	113.9%
Cis-2-Butene	590-18-1	17.20	16.3	94.7%	18.7	108.7%	17.7	103.0%	18.3	106.3%	21.2	123.1%
Cyclopentane	287-92-3	22.00	19.3	87.6%	22.7	103.2%	21.1	96.0%	22.0	99.8%	26.5	120.4%
Iso-Pentane	78-78-4	22.00	20.2	91.6%	23.2	105.4%	22.1	100.6%	23.1	105.2%	27.8	126.2%
N-Pentane	109-66-0	22.00	20.4	92.7%	23.5	106.7%	22.1	100.5%	23.1	105.1%	27.6	125.3%
1,3-Butadiene	106-99-0	16.80	15.2	90.6%	17.7	105.3%	16.6	98.8%	17.5	104.3%	20.0	119.0%
Trans-2-Pentene	646-04-8	21.50	20.0	92.8%	23.0	106.8%	21.3	99.0%	22.4	104.1%	26.0	121.0%
1-Pentene	109-67-1	22.00	20.5	93.0%	22.7	103.0%	22.1	100.4%	24.1	109.5%	26.9	122.3%
Cis-2-Pentene	627-20-3	21.50	17.1	79.4%	20.5	95.3%	17.3	80.5%	17.8	83.0%	21.4	99.4%
2,2-Dimethylbutane	75-83-2	26.40	23.9	90.6%	26.9	101.8%	25.3	95.7%	26.9	102.0%	32.8	124.3%
2-Methylpentane	107-83-5	26.40	23.3	88.1%	25.7	97.4%	24.6	93.0%	25.9	98.2%	31.1	117.9%
Isoprene	78-79-5	21.50	16.3	75.9%	19.3	90.0%	16.6	77.1%	15.8	73.3%	20.0	93.1%
n-Hexane	110-54-3	25.80	26.6	103.2%	23.2	90.0%	18.3	71.0%	22.5	87.3%	29.4	114.1%
Methylcyclopentane	108-87-2	26.40	23.4	88.5%	22.3	84.5%	21.7	82.2%	20.7	78.3%	26.1	98.7%
2,4-Dimethylpentane	108-08-7	30.80	33.9	109.9%	28.2	91.5%	32.6	106.0%	32.2	104.6%	37.9	123.1%
Benzene	71-43-2	25.80	25.9	100.4%	23.0	89.1%	24.1	93.3%	21.6	83.7%	28.1	109.0%
Cyclohexane	110-82-7	25.80	27.9	108.1%	24.4	94.4%	26.4	102.2%	23.9	92.7%	30.6	118.4%
2-Methylhexane	591-76-4	29.40	28.1	95.5%	24.6	83.7%	25.2	85.8%	22.6	76.9%	28.5	97.0%
2,3-Dimethylpentane	565-59-3	29.40	34.9	118.8%	28.4	96.5%	33.7	114.6%	30.6	104.0%	38.8	131.9%
3-Methylhexane	589-34-4	30.10	33.5	111.5%	27.3	90.5%	30.8	102.5%	27.7	92.0%	35.0	116.4%
2,2,4-Trimethylpentane	540-84-1	34.40	36.1	105.0%	29.3	85.2%	34.6	100.5%	31.7	92.2%	38.2	110.9%
n-Heptane	142-82-5	29.40	31.8	108.2%	26.1	88.7%	29.9	101.6%	28.0	95.2%	32.9	112.0%
Methylcyclohexane	108-87-2	29.40	31.2	106.1%	26.1	88.6%	28.4	96.6%	27.7	94.3%	33.2	112.8%
2,3,4-Trimethylpentane	565-75-3	33.60	36.2	107.8%	29.1	86.5%	33.3	99.2%	32.6	96.9%	37.5	111.6%
Toluene	108-88-3	29.40	31.3	106.5%	25.1	85.5%	29.0	98.8%	32.6	110.8%	31.7	107.9%
2-Methylheptane	592-27-8	33.60	36.0	107.1%	27.7	82.5%	33.5	99.7%	31.3	93.3%	36.1	107.4%
3-Methylheptane	589-81-1	34.40	36.6	106.5%	28.3	82.1%	33.8	98.3%	31.3	91.1%	37.3	108.4%
n-Octane	111-65-9	33.60	36.9	110.0%	28.1	83.5%	34.0	101.1%	32.4	96.3%	37.6	112.0%
Ethylbenzene	100-41-4	33.60	33.8	100.7%	26.1	77.7%	29.9	88.9%	29.9	89.0%	31.3	93.3%
M&P-Xylene	108-38-3	132.80	134.2	101.0%	98.2	74.0%	117.9	88.8%	117.8	88.7%	123.5	93.0%
Styrene	100-42-5	32.00	29.1	91.0%	21.3	66.7%	24.0	75.2%	26.5	82.7%	28.3	88.5%
O-Xylene	95-47-6	33.60	35.3	105.2%	25.8	76.9%	31.9	94.9%	31.5	93.8%	32.6	97.0%
N-Nonane	111-84-2	36.90	41.1	111.3%	29.4	79.6%	37.6	102.0%	36.5	98.9%	39.3	106.6%
Isopropylbenzene	98-82-8	36.90	37.2	100.9%	26.9	72.8%	33.3	90.2%	33.8	91.6%	33.3	90.2%
n-Propylbenzene	103-65-1	35.10	36.3	103.5%	25.7	73.1%	32.4	92.2%	32.5	92.5%	32.7	93.0%
1,3,5-Trimethylbenzene	108-67-8	36.90	36.6	99.3%	24.3	65.9%	31.7	86.0%	34.2	92.6%	32.2	87.2%
1,2,4-Trimethylbenzene	95-63-6	36.00	37.8	105.0%	25.2	70.0%	34.5	95.9%	35.2	97.8%	37.5	104.3%
n-Decane	124-18-5	40.00	42.5	106.2%	27.2	68.0%	38.2	95.6%	34.3	85.9%	40.4	100.9%
1,2,3-Trimethylbenzene	526-73-8	35.10	31.9	90.8%	20.5	58.5%	26.6	75.8%	29.4	83.8%	30.2	86.0%
n-Undecane	1120-21-4	41.80	36.7	87.9%	22.3	53.5%	30.7	73.5%	29.3	70.1%	42.9	102.6%

^a Compound order based on elution time.

Table ES-2. Results of Performance Standard for Off-Site Analytical Lab

Compound Name	CAS Number	Input Concentration	Lab Results	Percent Recovery
1,1,1-Trichloroethane	71-55-6	3.4	3.5	100.5%
1,1,2,2-Tetrachloroethane	79-34-5	3.4	1.9	56.5%
1,1,2-Trichloroethane	79-00-5	3.4	2.6	75.4%
1,1-Dichloroethane	75-34-3	3.4	3.0	88.3%
1,1-Dichloroethene	75-35-4	3.5	3.6	101.6%
1,2,4-Trimethylbenzene	95-63-6	3.4	1.4	40.4%
1,2-Dibromoethane	106-93-4	3.4	2.6	76.9%
1,2-Dichloroethane	107-06-2	3.5	3.4	96.6%
1,2-Dichloropropane	78-87-5	3.4	2.4	70.7%
1,3,5-Trimethylbenzene	108-67-8	3.3	1.7	52.2%
1,3-Butadiene	106-99-0	7.0	8.8	126.1%
1-Butene	106-98-9	3.5	4.2	121.2%
1-Hexene	592-41-6	3.2	0.0	0.0%
1-Pentene	109-67-1	3.5	3.5	100.4%
2,2,4-Trimethylpentane	540-84-1	3.5	3.4	97.7%
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	3.3	1.5	44.4%
Benzene	71-43-2	3.5	4.0	112.9%
Bromomethane	74-83-9	3.3	3.9	117.6%
c-1,3-Dichloropropene	10061-01-5	3.5	2.5	73.0%
Carbon tetrachloride	56-23-5	3.4	3.5	102.8%
Chlorobenzene	108-90-7	3.5	2.4	68.1%
Chloroform	67-66-3	3.5	3.4	96.6%
Chloromethane (Methyl Chloride)	74-87-3	3.4	3.0	87.6%
Cyclohexane	110-82-7	3.4	2.8	81.8%
Dichlorodifluoromethane (Freon-12)	75-71-8	3.3	3.7	112.3%
Ethane	74-84-0	21.1	19.2	91.3%
Ethene	74-85-1	7.0	4.4	62.6%
Ethylbenzene	100-41-4	3.5	2.2	63.2%
Ethylene Chloride (Dichloromethane)	75-09-2	3.4	3.0	90.3%
m-Xylene & p-Xylene	106-42-3+108-38-3	6.7	4.7	70.4%
n-Butane	106-97-8	3.4	4.2	121.2%
n-Heptane	142-82-5	3.5	2.8	81.6%
n-Hexane	110-54-3	10.4	10.5	101.3%
n-Pentane	109-66-0	3.4	3.7	107.2%
o-Xylene	95-47-6	3.4	2.2	65.2%
Propane	74-98-6	3.5	3.5	99.6%
Propylene	115-07-1	6.8	6.4	94.4%
Styrene	100-42-5	3.4	2.0	57.4%
t-1,3-Dichloropropene	10061-02-6	3.0	3.0	98.6%
Tetrachloroethene	127-18-4	3.5	2.3	64.9%
Toluene	108-88-3	3.5	2.3	66.6%
Trichloroethene	79-01-6	3.4	3.1	90.9%
Trichlorofluoromethane (Freon-11)	75-69-4	3.5	3.5	101.5%
Vinyl Chloride	75-01-4	3.4	3.5	100.8%

EXHIBIT B:
MONTHLY PROGRESS REPORTS

PROGRESS REPORT, #1

September 2023

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on September 7, 2023, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the September 2023 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of September.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for April, May, June and July.
- NTC has created a progress report for the month of August.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #2

October 2023

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on October 11, 2023, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the October 2023 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of October.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Report for August.
- NTC has created a progress report for the month of September

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #3

November 2023

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on November 8, 2023, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the November 2023 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of November.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has created a progress report for the month of October

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #4

December 2023

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on December 5, 2023, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the December 2023 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of December.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the 2023 Q4 Assurance Audit Report Executive Summary.
- NTC has created a progress report for the month of November.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #5

January 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on January 9, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- NTC has issued an addendum to its Notice to Proceed with AECOM, authorizing AECOM to increase Auto GC sites by 3% in addition to the work described in the aforementioned “Notice to Proceed”
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the January 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of January.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has created a progress report for the month of December.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #6

February 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on February 8, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the February 2024 invoice from AECOM.
 - ⊖ In December 2023, NTC underwent its annual financial audit. The final report to the board of directors did not identify “any deficiencies in internal control,” “material weaknesses,” or “instances of noncompliance” with *Government Auditing Standards*.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of February.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for September and October.
- NTC has created a progress report for the month of January.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #7

March 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on March 6, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the March 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of March.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has created a progress report for the month of February.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #8

April 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on April 10, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the April 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of April.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has created a progress report for the month of March.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #9

May 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on May 13, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the May 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of May.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for November
- NTC has created a progress report for the month of April.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #10

June 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on June 5, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
NTC has issued an addendum to its Notice to Proceed with AECOM, authorizing AECOM to purchase 2 Auto GCs Systems and Spare Parts to replace 2 TBD sites.
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the June 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of June.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has created a progress report for the month of May.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #11

July 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on July 12, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the July 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of July.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for December and January.
- NTC has reviewed the Q2 2024 Audit Report Executive Summary
- NTC has created a progress report for the month of June.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #12

August 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on August 9, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the August 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of August.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Report for February.
- NTC has created a progress report for the month of July.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #13

September 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on September 9, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the September 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of September.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for March and April.
- NTC has created a progress report for the month of August.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #14

October 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on October 10, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the October 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of October.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has created a progress report for the month of September.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #15

November 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on November 5, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the November 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of November.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Report for May
- NTC has created a progress report for the month of October.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #16

December 2024

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on December 11, 2024, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the December 2024 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of December.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has created a progress report for the month of November.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #17

January 2025

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on January 13, 2025, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the January 2025 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- Had a call with Decatur on moving the site to another location timeline to be completed 120 days

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for June , July and August
- NTC has created a progress report for the month of December.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #18

February 2025

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on February 14, 2025, 2025, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the February 2025 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of February.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has created a progress report for the month of January.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #19

March 2025

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on March 5, 2025, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the March 2025 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of March.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for the months of September and October
- NTC has created a progress report for the month of February.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #20

April 2025

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on April 12, 2025, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - NTC has reviewed and approved the April 2025 invoice
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of April.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.

- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Report for the months of November and December
- NTC has created a progress report for the month of March.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #21

May 2025

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on May 7, 2025, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors

throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
 - ⊖ NTC has issued an addendum 3 to its Notice to Proceed with AECOM, authorizing AECOM to relocate Decatur site, site repair and replacement parts
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the May 2025 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of May.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Report for the month January
- NTC has created a progress report for the month of April.
- NTC has prepared and submitted a Draft Final Report detailing the background, summary of work, and key findings from implementing the Regional Air Monitoring Program under POA6A.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #22

June 2025

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on June 10, 2025, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the June 2025 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of June.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Q2 2025 Quality Assurance Audit Report
- NTC has created a progress report for the month of May.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #23

July 2025

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on July 10, 2025, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the July 2025 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- At the request of the City of Decatur, the site originally located at 301 E Thompson Street has been relocated to 190 E Thompson Street.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for the months of February and March
- NTC has created a progress report for the month of June.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.

PROGRESS REPORT, #24

August 2025

Project Title: Continued Implementation of SB527 Monitoring Program in FY24/FY25

Project No.: 582-22-30598-001

POA No.: FY24/FY25-06A

Summary of recent activity: Since submitting the previous progress report on August 5, 2025, the North Texas Commission has performed the following activities:

Task 1 – Operate, report data, and maintain TCEQ approved monitors throughout Regions 3 and 4: NTC and its vendor AECOM have continued to operate, report data, and maintain the 21 air monitors that compose the NTC Regional Air Monitoring Program. Work on this task has included:

- *Oversight of contract management and execution*
- *Liaising with community stakeholders about project and its findings*
 - NTC staff has represented the air monitoring project and its findings to community stakeholders.
- *Managing billing, invoices, and other accounting needs*
 - ⊖ NTC has reviewed and approved the August 2025 invoice from AECOM.
- *Facilitate communication between NTC, AECOM, and TCEQ*
 - NTC staff was in communication with AECOM and TCEQ via email and telephone.

Task 2 – Decommission or relocate TCEQ approved air monitors throughout Regions 3 and 4:

- NTC did not conduct any activities related to this task in the month of August.

Task 3 – Respond to Monitoring Issues:

- Various monitors have undergone routine maintenance.
- There were no other incidences to report.

Task 4– Reporting/Availability for Questions:

- NTC has been available for questions from TCEQ Project Manager.
- NTC has reviewed the Network Summary Reports for the months of April, May and June
- NTC has created progress reports for the month of July and August.
- NTC has prepared and submitted the Final Report detailing the background, summary of work, and key findings from implementing the Regional Air Monitoring Program under POA6A.

Planned future activities: NTC Staff will continue work on all four tasks associated with this project. There are no other specific planned activities that deviate from normal project activities.