

Texas Commission on Environmental Quality

2012 Annual Ambient Air Monitoring Network Review

P.O. Box 13087, Austin, Texas 78711-3087

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APPENDIX A – TCEQ CRITERIA POLLUTANT, PHOTOCHEMICAL ASSESSMENT MONITORING STATIONS (PAMS), CHEMICAL SPECIATION NETWORK (CSN), NATIONAL AIR TOXICS TRENDS STATIONS, AND NATIONAL CORE (NCORE) NETWORKS

2012 Annual Ambient Air Monitoring Network Review

Introduction

Under 40 Code of Federal Regulations (CFR), Part 58, Subpart B, states are required to submit an annual monitoring network review to the Environmental Protection Agency (EPA) by July 1 of each year. This network review is required to provide the framework for establishment and maintenance of an air quality surveillance system. The annual monitoring network review must be made available for public inspection for at least 30 days prior to submission to the EPA. The review, and any comments received during the 30 day inspection period, will then be forwarded to the EPA for final review and approval. The following document provides information on the Texas network of ambient air monitors established to meet regulatory requirements of the National Ambient Air Quality Standards (NAAQS) and other monitors that support this effort. This document presents the current Texas network as well as proposed changes to the network from July 1, 2012, through December 31, 2013.

Regulatory Network Changes

Nitrogen Dioxide (NO₂) Requirements

Area-Wide Requirements

The requirements for area-wide NO₂ monitoring stipulate that one site is required in each Core Based Statistical Area (CBSA) with a population greater than or equal to one million people. The requirements also stipulate that the site must be located in the area of highest expected NO₂ concentration representing a neighborhood or larger (urban) spatial scale. In Texas, area-wide NO₂ monitoring will be required in the Dallas-Fort Worth-Arlington, Houston-Sugar Land-Baytown, San Antonio-New Braunfels, and Austin-Round Rock-San Marcos CBSAs. The Texas Commission on Environmental Quality (TCEQ) plans to utilize existing Photochemical Assessment Monitoring Stations (PAMS) and State and Local Air Monitoring Stations (SLAMS) monitors to meet NO₂ monitoring requirements in the Dallas-Fort Worth-Arlington and Houston-Sugar Land-Baytown areas. For the San Antonio area, the NO₂ monitor currently located at Camp Bullis (AQS 480290052) will be relocated by January 1, 2013, to San Antonio Northwest (AQS #480290032) to meet monitoring requirements. In Austin, the NO₂ monitor at the Austin Audubon Society site (AQS 484530020) was relocated in April 2012 to the Austin Northwest site (AQS 484530014) to meet the requirements.

Regional Administrator Required Monitoring (RA-40)

The NO₂ monitoring requirements specify that the EPA Regional Administrators will collaborate with the States to designate a minimum of 40 NO₂ monitoring stations nationwide that are sited in locations to protect susceptible and vulnerable populations. With agreement from EPA Region 6 staff, TCEQ is proposing RA-40 classification for NO₂ monitors at the following sites for EPA Regional Administrator approval:

- El Paso - Ascarate Park SE (AQS 481410055),

- Houston - Clinton (AQS 482011035),
- Dallas - Arlington Municipal Airport (AQS 484393011), and
- Beaumont/Port Arthur - Nederland High School (AQS 482451035).

Near-Road Monitoring Requirements

The near-road NO₂ monitoring requirements stipulate that one microscale site must be deployed in CBSAs with a population of greater than or equal to 500,000 people and two sites in CBSAs with greater than or equal to 2.5 million people. The requirements also stipulate that sites must be deployed in areas of maximum expected hourly NO₂ concentrations, i.e., near a major road with high Annual Average Daily Traffic (AADT) counts.

EPA Headquarters and the National Association of Clean Air Agencies have agreed on a “Build and Hold” plan to initially deploy near-road NO₂ monitors in areas with a population greater than or equal to one million people. Under Phase 1 of this plan, the Dallas-Fort Worth-Arlington and Houston-Sugar Land-Baytown CBSAs are each required to have one near-road site. These CBSAs will be required to have additional near-road sites under a later phase. The following table contains ranked lists of potential sites. The TCEQ rankings are based on logistical and technical guidelines; the AADT and Fleet Equivalent (FE) AADT rankings are based on traffic counts provided by the Texas Department of Transportation.

TCEQ Rank	AADT Rank	FE AADT Rank	Latitude	Longitude	Location
Dallas					
1	12	19	32.9906	-96.7107	Southwest corner of North Central Expressway and Palisades Creek Drive
2	10	11	32.9324	-96.7563	Northwest corner of South Central Expressway and Floyd near a Taco Republic
3	7	12	32.9324	-96.7563	13561 North Central Expressway near a Saltgrass restaurant
4	47	50	32.7960	-96.6945	Northeast of East I-30 and Jim Miller Road near a Holiday Inn

Houston					
1	1	1	29.72271	-95.49241	Southwest Freeway and Westpark Drive at a Park and Ride
2	29	35	29.73390	-95.34486	Gulf Freeway near Milby
3	146	173	29.73386	-95.38582	Garrott and Blodgett
4	281	269	29.74216	-95.33699	University of Houston
5	526	476	29.74280	-95.35683	Jefferson Street at Dowling Freeway entrance

Sulfur Dioxide (SO₂) Requirements

Utilizing the most recently available U.S. Census population estimates and point source emissions inventory (EI) data, the TCEQ re-evaluated SO₂ monitoring requirements. As a result of the evaluation, the TCEQ has determined that one SO₂ monitor is required in the Dallas-Fort Worth-Arlington, San Antonio-New Braunfels, Longview, Beaumont-Port Arthur, and Amarillo CBSAs, and two SO₂ monitors are required in the Houston-Sugar Land-Baytown CBSA.

Based on current SO₂ monitoring resources, the TCEQ has met the regulatory requirements for SO₂ in the following CBSAs: Dallas-Fort Worth-Arlington, Longview, Beaumont-Port Arthur, and Houston-Sugar Land-Baytown. The TCEQ is working on indentifying suitable locations for the two new SO₂ monitors that will be deployed in the San Antonio-New Braunfels and Amarillo CBSAs by January 1, 2013.

Lead

The current monitoring rule for lead requires a minimum of one maximum concentration source-oriented ambient air lead monitoring site near each facility that emits 0.50 tons per year (tpy) or more of lead, unless the EPA approves a waiver of the requirement. The waiver request must include documentation demonstrating that lead emissions from the source do not contribute to concentrations in excess of 50% of the NAAQS.

Current Lead Rule Sites

The TCEQ is currently reviewing the most recently available Toxic Release Inventory (TRI) data and EI data to evaluate sources that reported lead emissions of 0.50 tpy or more in 2010. A number of sources reported different air releases in the TRI than in the EI. The TCEQ is working to resolve the conflicting emission reports and determine the actual emissions from each source. Once the TCEQ has determined which sources have

lead emissions of 0.50 tpy or more, the agency will proceed with deployment of new lead monitors or will request lead waivers.

Current lead waivers

In 2010, the TCEQ submitted waiver requests for the source-oriented lead monitoring required at the Red River Army Depot near Texarkana, the U.S. Army Fort Hood facility near Killeen, and the Oxbow Calcining facility in Port Arthur. These waivers were subsequently approved by EPA Region 6. The TCEQ has reviewed these sites as part of this year's network review and determined that they continue to meet eligibility requirements. In 2015, the TCEQ will reapply for these waivers as required by the federal rules.

In 2011, the TCEQ submitted waiver requests for the source-oriented lead monitoring required at Coleto Creek Power LP in Goliad County and San Miguel Electric Cooperative, Incorporated in Atascosa County. EPA Region 6 has not acted on these waiver requests.

Special Airport Lead Study

The 2010 amendments to the lead NAAQS require a lead monitoring study at 15 selected airports with lead EIs above 0.50 tpy but less than 1.0 tpy. EPA identified these airports as having characteristics that may cause or contribute to ambient lead concentrations that approach or exceed the lead NAAQS. Two airports were selected in Texas – Stinson Municipal Airport in Bexar County and Northwest Regional Airport in Denton County.

The TCEQ is currently working to deploy the air monitoring site at Stinson Municipal Airport; however, due to atypical logistical issues associated with the location of the air monitoring station, deployment has been delayed. The TCEQ is diligently working on these logistical issues and plans to have this site operational by the end of summer 2012.

The TCEQ, working with staff from the EPA, identified several locations on Northwest Regional Airport property and the adjoining property for this special study. However, the Federal Aviation Administration has determined that the proposed lead monitoring sites are presumed hazards to air navigation and will not allow the TCEQ to place a monitor in the identified locations. In addition, after extensive negotiations, TCEQ was unsuccessful in obtaining permission to locate a monitor on the airport property or adjacent property. Because we have been unable to identify a suitable monitoring site, the TCEQ is unable to move forward with this project at this time.

Ozone

Baytown Eastpoint

The EPA has requested that the TCEQ deploy a new ozone monitor in the east Houston/Baytown area due to the limited availability of monitoring data for that area. After examining our existing monitoring resources, the TCEQ relocated the Houston Regional Office site (AQS 482010070) to a new site in the Baytown area to meet this monitoring objective. The new site, Baytown Eastpoint, is located west of Victoria Walker Elementary School. This relocation was completed in June 2012.

New Sites

The TCEQ has identified two other metropolitan statistical areas (MSAs) that will require new ozone monitors to meet regulatory requirements. New monitors will be required in the Brownsville-Harlingen and the Killeen-Temple-Fort Hood MSAs.

To meet this requirement in the Brownsville-Harlingen MSA, the TCEQ will relocate the ozone monitor currently located at the Mercedes site (AQS 482151048) to the Harlingen area. The Mercedes ozone monitor is not required under the current rule, and moving this monitor to the Brownsville-Harlingen MSA will allow the TCEQ to meet regulatory requirements. The TCEQ is currently working on siting this monitor, with deployment planned for summer 2012.

To meet regulatory requirements in the Killeen-Temple-Fort Hood MSA, the TCEQ will deploy an ozone monitor at a new site in the Temple area. The TCEQ is working on locating this new site, with deployment planned for early 2013.

Particulate Matter of 10 Microns or Less (PM₁₀)

Utilizing the most recently available U.S. Census population estimates and measured PM₁₀ concentrations, the TCEQ re-evaluated PM₁₀ monitoring requirements and determined that Texas either meets or exceeds the minimum requirements for all areas. Therefore, no additional PM₁₀ monitors are planned at this time.

The TCEQ also re-evaluated PM₁₀ collocation requirements and determined that several of the collocated quality control (QC) monitors may need to be relocated to ensure they are located at sites that measure among the highest 25th percentile within the TCEQ network.

The TCEQ currently operates seven PM₁₀ collocated QC monitors, though only four are required. To ensure that the collocated QC monitors are located at sites with high measured concentrations, the TCEQ plans to retain the existing collocated QC monitors at the Clinton (AQS 482011035) and El Paso Tillman (AQS 481410002) sites and deploy new collocated QC monitors at the relocated Socorro Hueco (AQS 481410057) and Laredo Santa Isabel (AQS 484790016) sites. The TCEQ will also retain the collocated QC monitor at Houston Deer Park #2 (AQS 482011039) to meet National Air Toxics Trends Station requirements. Due to resource constraints, the TCEQ plans to decommission the collocated QC monitors at Dona Park (AQS 483550034), Dallas Convention Center (AQS 481130050), Texas City Fire Station (AQS 481670004), and Stage Coach (AQS 484393010). These monitors are currently located at sites with low measured concentrations and are not needed to fulfill collocation requirements.

Particulate Matter of 2.5 Microns or Less (PM_{2.5})

After evaluating PM_{2.5} annual averages from 2008-2010, the TCEQ plans to move the PM_{2.5} collocated QC monitor from the Huisache site (AQS 483550032) in Corpus Christi to the Mission site (AQS 482150043). Relocating this sampler to the border area will provide greater spatial coverage. The federal reference method (FRM) monitor at the Mission site has an annual average in the highest 25th percentile for all sites in the network. The other two collocated QC monitors will remain at the Clinton (AQS 482011035) and Dallas Hinton (AQS 481130069) sites.

The TCEQ plans to deploy an FRM every-sixth-day PM_{2.5} monitor at the Galveston 99th Street site (AQS 481671034). This will be in addition to the PM_{2.5} Tapered Element Oscillating Microbalance (TEOM) the TCEQ already operates at this site.

Two proposed changes to the PM_{2.5} network were approved through the 2010 Annual Network Review (ANR), but the changes have not yet been made. The EPA approved the decommissioning of the FRM monitor at the Texarkana site (AQS 480370004). The TCEQ still plans to decommission this monitor. The EPA also approved the relocation of the TEOM at the El Paso Sun Metro site (AQS 481410053) to a nearby neighborhood for population exposure and Air Quality Index information. Because TCEQ was unable to locate a suitable site within that neighborhood, the TCEQ proposes to relocate the TEOM to the new Socorro Hueco (AQS 481410057) site.

Volatile Organic Compound (VOC) Monitoring

Automated Gas Chromatographs (AutoGCs)

The TCEQ owns and operates 18 AutoGCs sited throughout the state to aid in characterizing specific regional and local ambient air conditions in the state. The sites, as listed below, are operated with both federal and state funds. Eight of the AutoGCs are part of the PAMS network. The El Paso Delta AutoGC (AQS 481141011) was added last year with federal special purpose Border grant funds.

The only foreseeable change to the AutoGC network is the possibility of discontinuing the El Paso Delta site at the end of this fiscal year and relocating the resources to another area.

AutoGCs operated with federal funds include:

- Dallas Hinton (AQS 481130069)
- El Paso Chamizal (AQS 481410044)
- El Paso Delta (AQS 481411011)
- Channelview (AQS 482010026)
- Clinton (AQS 482011035)
- Houston Deer Park #2 (AQS 482011039)
- Fort Worth Northwest (AQS 484391002)
- Beaumont Downtown (AQS 482450009)
- Nederland High School (AQS 482451035)

As of September 1, 2011, the following AutoGCs have been operated with state funds, and the TCEQ plans to continue operation of these sites with state funds in the future:

- Flower Mound Shiloh (AQS 481211007)
- DISH Airfield (AQS 481211013)
- Odessa-Hays Elementary School (AQS 481350003)
- Milby Park (AQS 482010069)
- Cesar Chavez (AQS 482016000)
- Corpus Christi Palm (AQS 483550083)
- Eagle Mountain Lake (AQS 484390075)
- Everman Johnson Park (AQS 484391009)
- Decatur Thompson (AQS 484970088)

Canisters

Several PAMS canister monitors were identified for decommissioning in the TCEQ's 2011 ANR because the monitors are no longer required for the PAMS network. Though not considered an exhaustive list, the canister samplers identified for decommissioning include:

- Italy, Dallas (AQS 481391044)
- Ascarate Park SE, El Paso (AQS 481410055)
- Galveston 99th Street (AQS 481671034)
- Houston Aldine (AQS 482010024)
- Northwest Harris County (AQS 482010029)
- Kaufman, Dallas (AQS 482570005)
- Conroe Relocated (AQS 483390078)

Changes Proposed in the 2011 ANR

- Laredo Bridge (AQS 484790017) – The TCEQ previously proposed to move the carbon monoxide (CO) monitor from this site to the World Trade Bridge site due to higher traffic counts at that location. Because additional space was unavailable at the World Trade Bridge, the TCEQ plans to continue operation of the CO monitor at the Laredo Bridge site.
- La Porte Radar Profiler (AQS 482011043) – In response to a request from the EPA, the TCEQ is deploying a new radar profiler in the Houston area. A site

agreement has been negotiated for the use of property at the La Porte Airport. Deployment of this site was completed in May 2012.

- Laredo Border (AQS 484790016) – Due to the expansion of Laredo Community College, this site was temporarily decommissioned in July 2011. A new site, designated Laredo Santa Isabel, will be established at 2100 Santa Isabel Avenue, and deployment is estimated to be completed in summer 2012. Due to the close proximity of the two sites, the AQS number will remain the same.
- Port Arthur West (AQS 482450011) – The property on which this site was located was sold, and the new owner requested that the TCEQ vacate the property. Due to site access issues and demolition activities, this site was decommissioned in February 2012. The new site will be established in El Vista Community Park, at 623 Ellias Street, Port Arthur, and the estimated deployment date is summer 2012. Due to the close proximity of the two sites, the site name and AQS number will remain the same.
- Clinton (AQS 482011035) – The TCEQ had previously planned to deploy a continuous PM₁₀ monitor to this site to assist in evaluating PM₁₀ exceedances. However, due to declining PM₁₀ levels in this area, the TCEQ no longer plans to deploy this monitor.
- Sun Metro, El Paso (AQS 481410053) – The property on which this site is located has been sold, and the TCEQ must vacate the premises by the end of 2012. The TCEQ plans to move the PM_{2.5} TEOM, semi-volatile organic compound (SVOC), and canister samplers to the new Socorro Hueco site. The TCEQ plans to decommission the CO, SO₂, and meteorological monitors currently located at the Sun Metro site.
- San Antonio Downtown (AQS 480290046) – Due to building renovations, the monitors at this site (CO, oxides of nitrogen [NO/ NO₂/NO_x]) were temporarily decommissioned in October 2010. Though building renovations are complete, the TCEQ plans to permanently decommission this site and utilize these resources to meet other federal requirements.
- Galveston 99th Street (AQS 481671034) – The TCEQ plans to deploy a PM_{2.5} FRM monitor to this site to support exceptional event analyses.
- Corpus Christi Huisache (AQS 483550032) – The EPA previously approved the decommissioning of the PM_{2.5} FRM monitor at this site, and the TCEQ had also proposed to decommission the PM_{2.5} QC collocated monitor at this site. However, the TCEQ has continued to operate both monitors. After evaluation of PM_{2.5} design values, the TCEQ plans to decommission the PM_{2.5} FRM monitor and to move the PM_{2.5} QC monitor to the Mission site (AQS 482150043). Evaluation of the design values revealed that the three highest sites were located in the Houston area; however, moving this QC monitor to the border area will provide greater spatial coverage.

- Dona Park (AQS 483550034) – The TCEQ plans to continue the required FRM sampling on an every sixth day basis and to relocate the PM_{2.5} TEOM from Corpus Christi West (AQS 483550025) to this site.
- Austin Audubon Society (AQS 484530020) – The TCEQ plans to discontinue the speciated PM_{2.5} analysis at this site; however, TCEQ will continue the gravimetric FRM analysis to meet federal requirements.
- Austin Webberville Rd (AQS 484530021) – The TCEQ plans to continue the required FRM sampling on an every sixth day basis and to relocate the PM_{2.5} TEOM currently operating at Austin Northwest (AQS 484530014) to this site.
- Baytown (AQS 482010058) – The TCEQ plans to continue the required FRM sampling on an every sixth day basis and relocate the PM_{2.5} TEOM from Channelview (AQS 482010026) to this site.
- Isla Blanca (AQS 480612004) – The TCEQ plans to replace the PM_{2.5} speciation monitor with a continuous PM_{2.5} monitor.
- Dallas Hinton (AQS 481130069) – The TCEQ will continue intensive carbonyl sampling at this site during the summer. A total of 240 carbonyl samples will be collected at a sampling frequency of eight, three-hour samples per day every three days from June 1 through August 31 at the Dallas Hinton site. The additional intensive sampling schedule for this site was accidentally excluded from Appendix B in the 2011 ANR.
- National Core (NCore) lead monitors – With EPA concurrence, the TCEQ deployed a lead monitor at Ascarate Park SE (AQS 481410055) in 2011 to meet NCore requirements due to spatial limitations at the El Paso Chamizal site (AQS 481140044). Lead monitors were also deployed at Dallas Hinton (AQS 481130069) and Houston Deer Park #2 (AQS 482011039) prior to December 27, 2011, to meet this requirement.
- Fort Worth Northwest (AQS 484391002) –The TCEQ erroneously reported in the 2011 ANR that the PM_{2.5} monitor at this site had been decommissioned. However, this monitor was not decommissioned and continues to operate as part of the TCEQ PM_{2.5} network.

Additional Changes

- Lynchburg Ferry (AQS 482011015) – The TCEQ was asked by the property owner to relocate this site. As a result, it was temporarily decommissioned in August 2011. A new site was secured directly across the ship channel at 4407 Independence Parkway South, La Porte, and deployment to the new location was completed in December 2011. Due to the close proximity of the two sites, the site name and AQS number remained the same.

- Austin Audubon Society (AQS 484530020) – To meet upcoming NO₂ area-wide monitoring requirements, the NO_x monitor at the Austin Audubon site was moved to the Austin Northwest site (AQS 484530014) in April 2012.
- El Paso Socorro (AQS 481410057) – The property owner requested that the TCEQ vacate the premises, and the site was temporarily decommissioned in February 2012. The new site will be located at Hueco Elementary School, 300 Old Hueco Tanks Road, El Paso. Deployment is estimated to be completed by the end of 2012. Due to the close proximity of the two sites, the AQS number will remain the same; the new site name will be Socorro Hueco.
- El Paso Tillman (AQS 481410002) – The property on which this site is located has been sold, and the site must be relocated. The City of El Paso Department of Health has secured a new site at 6767 Ojo De Agua Drive, and deployment is expected to be completed by the end of 2012.
- Total reactive nitrogen compound (NO_y) converters – In order to meet PAMS and NCore requirements, the TCEQ is in the process of raising all regulatory NO_y converters to 10 meters at applicable monitoring sites. The converters were raised at Houston Deer Park #2 (AQS 482011039) and El Paso Chamizal (AQS 481410044) in 2010, at Dallas Hinton (AQS 481130069) in 2011, and at Denton Airport South (AQS 481210034) in 2012. The converters at Houston Aldine (AQS 482010024) and SETRPC 40 Sabine Pass (AQS 482450101) will be raised by the end of 2012.
- El Paso Kern (AQS 481410033) – Due to safety issues associated with accessing this site, the City of El Paso requested that the monitor be relocated. The TCEQ moved the total suspended particulate lead sampler from this site to the El Paso UTEP site (AQS 481410037). This relocation was completed in April 2012.
- Mercedes (AQS 482151048) – Due to resource constraints, the TCEQ plans to move the ozone and meteorological monitors currently located at this site to the Brownsville-Harlingen MSA and to decommission the SVOC, canister, and solar radiation monitors. The TCEQ estimates that this will be completed during summer 2012.
- Houston Regional Office (482010070) – Due to resource constraints, the TCEQ moved the ozone, SO₂, and meteorological equipment located at this site to the new Baytown Eastpoint site to meet EPA's request for a new ozone monitor in the east Houston/Baytown area. This relocation was completed in June 2012.

Instructions for Comments

Any comments pertaining to this document should be sent to the following contact:

Texas Commission on Environmental Quality
P.O. Box 13087
Attention: Stephanie Ma MC-165
Austin, Texas 78711-3087

Or email at: Stephanie.ma@tceq.texas.gov

Appendix A: TCEQ Criteria Pollutant, Photochemical Assessment Monitoring Stations (PAMS), Chemical Speciation Network (CSN), National Air Toxics Trends Stations (NATTS), and National Core (NCore) Networks
(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
480271047	Killeen Skylark Field	1605 Stone Tree Drive, Killeen	Killeen	31.0880022	-97.6797343	Urban/ City Ctr	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
480290032	San Antonio Northwest	6655 Bluebird Lane, San Antonio	San Antonio	29.51505	-98.62019	Suburban	O3	SLAMS	UV Photometric	Continuous	Max Ozone Concentration; Population Exposure	Urban Scale	Y		
480290032	San Antonio Northwest	6655 Bluebird Lane, San Antonio	San Antonio	29.51505	-98.62019	Suburban	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	Y		
480290052	Camp Bullis	Camp Bullis Firing Range, near Wildemess Trail, San Antonio	San Antonio	29.63209	-98.56494	Rural	NO/NO2/NOx	SLAMS	Chemi-luminescence	Continuous	Population Exposure Extreme Downwind;	Urban Scale	Y		
480290052	Camp Bullis	Camp Bullis Firing Range, near Wildemess Trail, San Antonio	San Antonio	29.63209	-98.56494	Rural	O3	SLAMS	UV Photometric	Continuous	Max Ozone Concentration; Population Exposure	Urban Scale	Y		
480290053	Selma	16289 North Evans Road #2, Selma	San Antonio	29.58773	-98.31248	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
480290059	Calaveras Lake	14620 Laguna Road, San Antonio	San Antonio	29.27539	-98.31167	Rural	NO/NO2/NOx	SLAMS	Chemi-luminescence	Continuous	Source-Oriented; Upwind Background	Urban Scale	Y		
480290059	Calaveras Lake	14620 Laguna Road, San Antonio	San Antonio	29.27539	-98.31167	Rural	O3	SLAMS	UV Photometric	Continuous	Source-Oriented; Upwind Background	Urban Scale	Y		
480290059	Calaveras Lake	14620 Laguna Road, San Antonio	San Antonio	29.27539	-98.31167	Rural	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure; Upwind Background	Urban Scale	Y		
480290060	Frank Wing Municipal Court	401 South Frio Street, San Antonio	San Antonio	29.42111	-98.505	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
480370004	Texarkana	2315 West 10th Street, Texarkana	Texarkana	33.42576	-94.07081	Urban/ City Ctr	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	Y		
480391004	Manvel Croix Park	4503 Croix Parkway, Manvel	Brazoria	29.52043	-95.39252	Suburban	NO/NO2/NOx	SLAMS	Chemi-luminescence	Continuous	Population Exposure	Urban Scale	Y		
480391004	Manvel Croix Park	4503 Croix Parkway, Manvel	Brazoria	29.52043	-95.39252	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
480391016	Lake Jackson	109-B Brazoria Highway 332 West, Lake Jackson	Brazoria	29.04377	-95.47293	Suburban	NO/NO2/NOx	SLAMS	Chemi-luminescence	Continuous	Population Exposure; Source-Oriented	Neighborhood	Y		
480391016	Lake Jackson	109-B Brazoria Highway 332 West, Lake Jackson	Brazoria	29.04377	-95.47293	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure; Source-Oriented	Neighborhood	Y		
480610006	Brownsville	344 Porter Drive, Brownsville	Brownsville-Harlingen-San Benito	25.89251	-97.49382	Urban/ City Ctr	Ambient Temperature	SPM	Derived from NWS site KBRO	24-Hour Average; 1/6 Days	Population Exposure	Urban Scale	NA		
480610006	Brownsville	344 Porter Drive, Brownsville	Brownsville-Harlingen-San Benito	25.89251	-97.49382	Urban/ City Ctr	Barometric Pressure	SPM	Derived from NWS site KBRO	24-Hour Average; 1/6 Days	Population Exposure	Urban Scale	NA		
480610006	Brownsville	344 Porter Drive, Brownsville	Brownsville-Harlingen-San Benito	25.89251	-97.49382	Urban/ City Ctr	CO	SPM	Gas Filter Correlation	Continuous	Highest Concentration	Neighborhood	Y		
480610006	Brownsville	344 Porter Drive, Brownsville	Brownsville-Harlingen-San Benito	25.89251	-97.49382	Urban/ City Ctr	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
480610006	Brownsville	344 Porter Drive, Brownsville	Brownsville-Harlingen-San Benito	25.89251	-97.49382	Urban/ City Ctr	SVOC	SPM	HiVol PUF XAD/ GCMS	24-Hour Sample; 1/6 Days	Population Exposure; Upwind Background	Middle Scale	N		Added to ANR in 2012
480610006	Brownsville	344 Porter Drive, Brownsville	Brownsville-Harlingen-San Benito	25.89251	-97.49382	Urban/ City Ctr	TSP-Lead	SLAMS	HiVol/ICP-MS/AES	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	Y		Updated analysis method. ICP-AES for Arsenic
480612004	Isla Blanca Park	Lot B 69 1/2, South Padre Island	Brownsville-Harlingen-San Benito	26.07333	-97.16667	Rural	PM2.5 Speciation	SLAMS	Sequential FRM/ Gravimetric/ Metals, Carbons, Ions	24-Hour Sample; 1/6 Days	Population Exposure; Regional Transport	Urban Scale	Y		
480850003	Frisco 5th St	East Side of 5th Street, Frisco	Dallas	33.142317	-96.824653	Suburban	Ambient Temperature	SPM	Derived from other AQS site 484393009	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Middle Scale	NA		
480850003	Frisco 5th St	East Side of 5th Street, Frisco	Dallas	33.142317	-96.824653	Suburban	Barometric Pressure	SPM	Derived from other AQS site 484393009	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Middle Scale	NA		
480850003	Frisco 5th St	East Side of 5th Street, Frisco	Dallas	33.142317	-96.824653	Suburban	TSP-Lead	SLAMS	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure; Source-Oriented	Middle Scale	Y		Updated analysis method
480850005	Frisco	6590 Hillcrest Road, Frisco	Dallas	33.1324	-96.78648	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
480850007	Frisco 7	6931 Ash Street, Frisco	Dallas	33.14746	-96.82577	Suburban	Ambient Temperature	SPM	Derived from other AQS site 484393009	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	NA		
480850007	Frisco 7	6931 Ash Street, Frisco	Dallas	33.14746	-96.82577	Suburban	Barometric Pressure	SPM	Derived from other AQS site 484393009	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	NA		
480850007	Frisco 7	6931 Ash Street, Frisco	Dallas	33.14746	-96.82577	Suburban	TSP-Lead	SLAMS	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	Y		Updated analysis method

Appendix A: TCEQ Criteria Pollutant, Photochemical Assessment Monitoring Stations (PAMS), Chemical Speciation Network (CSN), National Air Toxics Trends Stations (NATTS), and National Core (NCore) Networks
(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
480850007	Frisco 7	6931 Ash Street, Frisco	Dallas	33.14746	-96.82577	Suburban	TSP-Lead, QC	SLAMS	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	Y		Updated analysis method
480850009	Frisco Eubanks	6601 East Eubanks St., North of Plant, Frisco	Dallas	33.14463	-96.82884	Suburban	Ambient Temperature	SPM	Derived from other AQS site 484393009	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	NA		Changed spatial scale
480850009	Frisco Eubanks	6601 East Eubanks St., North of Plant, Frisco	Dallas	33.14463	-96.82884	Suburban	Barometric Pressure	SPM	Derived from other AQS site 484393009	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	NA		Changed spatial scale
480850009	Frisco Eubanks	6601 East Eubanks St., North of Plant, Frisco	Dallas	33.14463	-96.82884	Suburban	TSP-Lead	SLAMS	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	Y		Updated analysis method. Changed spatial scale
480850009	Frisco Eubanks	6601 East Eubanks St., North of Plant, Frisco	Dallas	33.14463	-96.82884	Suburban	TSP-Lead, QC	SLAMS	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	Y		Added to ANR in 2012
480850029	Frisco Stonebrook	7202 Stonebrook Parkway, Frisco	Dallas	33.142317	-96.824653	Urban/ City Ctr	Ambient Temperature	SPM	Derived from other AQS site 484393009	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		
480850029	Frisco Stonebrook	7202 Stonebrook Parkway, Frisco	Dallas	33.142317	-96.824653	Urban/ City Ctr	Barometric Pressure	SPM	Derived from other AQS site 484393009	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		
480850029	Frisco Stonebrook	7202 Stonebrook Parkway, Frisco	Dallas	33.142317	-96.824653	Urban/ City Ctr	TSP-Lead	SPM	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Updated analysis method
481130018	Morrell	3049 Morrell, Dallas	Dallas	32.744981	-96.7818829	Urban/ City Ctr	PM10	SPM	HiVol/ICP-AES	24-Hour Sample; 1/6 Days	Source Oriented	Neighborhood	NA		Ni and Cr. Only. Added to ANR in 2012
481130050	Convention Center	717 South Akard, Dallas	Dallas	32.77417	-96.79778	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
481130050	Convention Center	717 South Akard, Dallas	Dallas	32.77417	-96.79778	Urban/ City Ctr	PM10, QC	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
481130050	Convention Center	717 South Akard, Dallas	Dallas	32.77417	-96.79778	Urban/ City Ctr	PM2.5 Speciation	SLAMS	Sequential FRM/ Gravimetric/ Metals, Carbons, Ions	24-Hour Sample; 1/3 Days	Highest Concentration; Population Exposure	Neighborhood	Y		
481130061	Earhart	3434 Bickers Street, Amelia Earhart Learning Center	Dallas	32.785556	-96.877778	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Ambient Temperature	PAMS/NCore	Aspirated Thermister	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Barometric Pressure	SPM	Derived from NWS site KDAL	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		Added to ANR in 2012
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Carbonyl	PAMS	DNPH Silica/HPLC	24-Hour Sample; 1/6 Days (Sept - May)	Max Precursor Emissions Impact	Neighborhood	NA	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Carbonyl	PAMS	DNPH Silica/HPLC	8 Three-Hour Samples; 1/3 Days (Jul - Aug)	Max Precursor Emissions Impact	Neighborhood	NA	2	Added to ANR in 2012
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	CO, High Sensitivity	PAMS/NCore	Gas Filter Correlation	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	NO/NO2/NOx	PAMS/NCore	Chemiluminescence	Continuous	Area-Wide; Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	NOy, High Sensitivity	NCore	Chemiluminescence	Continuous	Highest Concentration	Neighborhood	NA		
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	O3	PAMS/NCore	UV Photometric	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	PM10-2.5	NCore	Beta Attenuation	Continuous	Population Exposure	Neighborhood	N		
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	PM2.5	NCore/SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; Daily	Population Exposure	Neighborhood	Y		
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	PM2.5	NCore/SLAMS	Beta Attenuation	Continuous	Population Exposure	Neighborhood	Y		
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	PM2.5 Speciation	NCore/CSN	Sequential Non-FRM/ Gravimetric	24-Hour Sample; 1/3 Days	Population Exposure	Neighborhood	N		
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	PM2.5, QC	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		

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(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Relative Humidity	PAMS/NCore	Humidity Sensor	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	SO2, High Sensitivity	NCore	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		Changed spatial scale
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Solar Radiation	PAMS/NCore	Photovoltaic	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Speciated VOC	PAMS	GC	Continuous	Highest Concentration; Max Precursor Emissions Impact	Neighborhood	NA	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact	Neighborhood	NA	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	TNMOC	PAMS	GC	Continuous	Highest Concentration; Max Precursor Emissions Impact	Neighborhood	NA	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	TSP-Lead	NCore	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	NA		Added to ANR in 2012
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Wind Direction	PAMS/NCore	Single Potentiometer Vane	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481130069	Dallas Hinton	1415 Hinton Street, Dallas, NCore Site	Dallas	32.81995	-96.86008	Urban/ City Ctr	Wind Speed	PAMS/NCore	Cup Anemometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481130075	Dallas North #2	12532½ Nuestrra Drive, Dallas	Dallas	32.9192	-96.8085	Suburban	NO/NO2/NOx	SLAMS	Chemi-luminescence	Continuous	Population Exposure	Neighborhood	Y		
481130075	Dallas North #2	12532½ Nuestrra Drive, Dallas	Dallas	32.9192	-96.8085	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
481130075	Dallas North #2	12532½ Nuestrra Drive, Dallas	Dallas	32.9192	-96.8085	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	Y		
481130087	Dallas Redbird Airport, Executive	3277 West Redbird Lane, Dallas	Dallas	32.6766	-96.8716	Suburban	NO/NO2/NOx	SLAMS	Chemi-luminescence	Continuous	Population Exposure	Neighborhood	Y		
481130087	Dallas Redbird Airport, Executive	3277 West Redbird Lane, Dallas	Dallas	32.6766	-96.8716	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Ozone Concentration	Urban Scale	NA	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	NO/NO2/NOx	PAMS	Chemi-luminescence	Continuous	Max Ozone Concentration; Population Exposure	Urban Scale	Y	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	NOy, High Sensitivity	PAMS	Chemi-luminescence	Continuous	Max Ozone Concentration; Population Exposure	Urban Scale	NA	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	O3	PAMS	UV Photometric	Continuous	Max Ozone Concentration; Population Exposure	Urban Scale	Y	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	Precipitation	PAMS	Rain Gauge	Continuous	Max Ozone Concentration	Urban Scale	NA	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Ozone Concentration	Urban Scale	NA	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Ozone Concentration	Urban Scale	NA	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Max Ozone Concentration; Population Exposure	Urban Scale	NA	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Ozone Concentration	Urban Scale	NA	3	
481210034	Denton Airport South	Denton Municipal Airport South, Denton	Dallas	33.19167	-97.19333	Rural	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Ozone Concentration	Urban Scale	NA	3	
481211032	Pilot Point	792 East Northside Drive, Pilot Point	Dallas	33.41065	-96.94452	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
481390016	Midlothian OFW	2725 Old Fort Worth Road, Midlothian	Dallas	32.48194	-97.0275	Suburban	NO/NO2/NOx	SLAMS	Chemi-luminescence	Continuous	Source-Oriented	Neighborhood	Y		
481390016	Midlothian OFW	2725 Old Fort Worth Road, Midlothian	Dallas	32.48194	-97.0275	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
481390016	Midlothian OFW	2725 Old Fort Worth Road, Midlothian	Dallas	32.48194	-97.0275	Suburban	PM2.5 Speciation	SPM	Sequential FRM/ Gravimetric/ Metals, Carbons, Ions	24-Hour Sample; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	Y		
481390016	Midlothian OFW	2725 Old Fort Worth Road, Midlothian	Dallas	32.48194	-97.0275	Suburban	SO2	SLAMS	Pulsed Fluorescence	Continuous	Source-Oriented	Neighborhood	Y		
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Upwind Background	Urban Scale	NA	1	
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	NO/NO2/NOx	PAMS	Chemi-luminescence	Continuous	Upwind Background	Urban Scale	Y	1	
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	O3	PAMS	UV Photometric	Continuous	Upwind Background	Urban Scale	Y	1	
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	Relative Humidity	PAMS	Humidity Sensor	Continuous	Upwind Background	Urban Scale	NA	1	

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(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	SO2	SPM	Pulsed Fluorescence	Continuous	Upwind Background	Urban Scale	Y		
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	Solar Radiation	PAMS	Photovoltaic	Continuous	Upwind Background	Urban Scale	NA	1	
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Upwind Background	Urban Scale	NA	1	
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	UV Radiation	PAMS	Ultraviolet Pyranometer	Continuous	Upwind Background	Urban Scale	NA	1	
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Upwind Background	Urban Scale	NA	1	
481391044	Italy	900 FM 667, Italy	Dallas	32.43694	-97.025	Rural	Wind Speed	PAMS	Cup Anemometer	Continuous	Upwind Background	Urban Scale	NA	1	
481410002	Tillman	222 South Campbell Street, El Paso	El Paso	31.75765	-106.48292	Urban/ City Ctr	Ambient Temperature	SPM	Derived from other AQS site 481410055	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		
481410002	Tillman	222 South Campbell Street, El Paso	El Paso	31.75765	-106.48292	Urban/ City Ctr	Barometric Pressure	SPM	Derived from other AQS site 481410055	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		
481410002	Tillman	222 South Campbell Street, El Paso	El Paso	31.75765	-106.48292	Urban/ City Ctr	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
481410002	Tillman	222 South Campbell Street, El Paso	El Paso	31.75765	-106.48292	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Highest Concentration	Neighborhood	Y		
481410002	Tillman	222 South Campbell Street, El Paso	El Paso	31.75765	-106.48292	Urban/ City Ctr	PM10, QC	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Highest Concentration	Neighborhood	Y		
481410002	Tillman	222 South Campbell Street, El Paso	El Paso	31.75765	-106.48292	Urban/ City Ctr	TSP-Lead	SPM	HiVol/GFAA	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Updated Analysis Method
481410002	Tillman	222 South Campbell Street, El Paso	El Paso	31.75765	-106.48292	Urban/ City Ctr	TSP-Lead, QC	SPM	HiVol/GFAA	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
481410029	Ivanhoe	10834 Ivanhoe, Ivanhoe Fire Station, El Paso	El Paso	31.78577	-106.32359	Suburban	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
481410029	Ivanhoe	10834 Ivanhoe, Ivanhoe Fire Station, El Paso	El Paso	31.78577	-106.32359	Suburban	O3	SPM	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
481410029	Ivanhoe	10834 Ivanhoe, Ivanhoe Fire Station, El Paso	El Paso	31.78577	-106.32359	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	Barometric Pressure	SPM	Derived Onsite	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		Added to ANR in 2012
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	Max Ozone Concentration; Population Exposure	Neighborhood	Y	3	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	O3	PAMS	UV Photometric	Continuous	Max Ozone Concentration; Population Exposure	Neighborhood	Y	3	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	Precipitation	PAMS	Rain Gauge	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	Radar Profiler	PAMS	Doppler Radar	24-One Hour Averages, Daily	Regional Transport	Regional Scale	NA	NA	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	SO2	SLAMS	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	TSP-Lead	SLAMS	HiVol/GFAA	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Added to ANR in 2012
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	UV Radiation	PAMS	Ultraviolet Pyranometer	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
481410037	El Paso UTEP	250 Rim Road, El Paso	El Paso	31.76827	-106.5012	Urban/ City Ctr	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Ozone Concentration	Neighborhood	NA	3	

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(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
481410038	Riverside	301 Midway Drive, Riverside High School, El Paso	El Paso	31.73388	-106.37202	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	CO, High Sensitivity	NCore/SLAMS	Gas Filter Correlation	Continuous	Highest Concentration	Neighborhood	Y		
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	NO/NO2/NOx	PAMS/NCore	Chemiluminescence	Continuous	Highest Concentration; Max Precursor Emissions Impact	Neighborhood	Y	2	
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	NOy, High Sensitivity	NCore	Chemiluminescence	Continuous	Highest Concentration	Neighborhood	NA		
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	O3	PAMS/NCore	UV Photometric	Continuous	Population Exposure	Neighborhood	Y	2	
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	PM10-2.5	NCore	Beta Attenuation	Continuous	Highest Concentration; Population Exposure	Neighborhood	N		
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Highest Concentration; Population Exposure	Neighborhood	Y		
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	PM2.5	NCore/SLAMS	Beta Attenuation	Continuous	Highest Concentration; Population Exposure	Neighborhood	Y		
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	PM2.5 Speciation	NCore/CSN	Sequential Non-FRM/ Gravimetric/ Metals, Carbon, Ions	24-Hour Sample; 1/3 Days	Highest Concentration	Neighborhood	N		
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	SO2, High Sensitivity	NCore	Pulsed Fluorescence	Continuous	Highest Concentration	Neighborhood	Y		
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	Speciated VOC	PAMS	GC	Continuous	Highest Concentration; Max Precursor Emissions Impact	Neighborhood	NA	2	
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	TNMOC	PAMS	GC	Continuous	Highest Concentration; Max Precursor Emissions Impact	Neighborhood	NA	2	
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481410044	El Paso Chamizal	800 South San Marcial Street, El Paso, NCore Site	El Paso	31.76567	-106.45523	Urban/ City Ctr	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
481410053	El Paso Sun Metro	700 West San Francisco Avenue, El Paso	El Paso	31.75852	-106.50105	Urban/ City Ctr	CO	SLAMS	Gas Filter Correlation	Continuous	Highest Concentration	Neighborhood	Y		
481410053	El Paso Sun Metro	700 West San Francisco Avenue, El Paso	El Paso	31.75852	-106.50105	Urban/ City Ctr	SO2	SPM	Pulsed Fluorescence	Continuous	Highest Concentration	Neighborhood	Y		
481410053	El Paso Sun Metro	700 West San Francisco Avenue, El Paso	El Paso	31.75852	-106.50105	Urban/ City Ctr	SVOC	SPM	HiVol PUF XAD/ GCMS	24-Hour Sample; 1/6 Days	Highest Concentration	Neighborhood	NA		Added to ANR in 2012
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Ozone Concentration; Upwind Background	Neighborhood	NA	1/3	
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	Barometric Pressure	PAMS	Barometer	Continuous	Max Ozone Concentration; Upwind Background	Neighborhood	NA	1/3	
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	Carbonyl*	PAMS*	DNPH Silica/HPLC	24-Hour Sample; 1/6 Days	Max Ozone Concentration; Upwind Background	Neighborhood	NA	1/3	
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	CO	SLAMS	Gas Filter Correlation	Continuous	Highest Concentration	Neighborhood	Y		
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	RA-40; Highest Concentration; Upwind Background	Neighborhood	Y	1/3	
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	O3	PAMS	UV Photometric	Continuous	Max Ozone Concentration; Upwind Background	Neighborhood	Y	1/3	
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Ozone Concentration; Upwind Background	Neighborhood	NA	1/3	
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Ozone Concentration; Upwind Background	Neighborhood	NA	1/3	
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	Speciated VOC	PAMS	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Max Ozone Concentration; Upwind Background	Neighborhood	NA	1/3	

Appendix A: TCEQ Criteria Pollutant, Photochemical Assessment Monitoring Stations (PAMS), Chemical Speciation Network (CSN), National Air Toxics Trends Stations (NATTS), and National Core (NCore) Networks
(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	TSP-Lead	NCore	HiVol/ICP-MS/AES	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Added to ANR in 2012. ICP-AES for Arsenic
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Ozone Concentration; Upwind Background	Neighborhood	NA	1/3	
481410055	Ascarate Park SE	650 R. E. Thomason Loop, El Paso	El Paso	31.74675	-106.40281	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Ozone Concentration; Upwind Background	Neighborhood	NA	1/3	
481410057	Socorro	201 South Nevarez Road, El Paso	El Paso	31.66219	-106.30308	Suburban	O3	SLAMS	UV Photometric	Continuous	General/Background; Population Exposure	Neighborhood	Y		Temporarily inactive, pending relocation to 300 Old Hueco Tanks Road, El Paso. Will be renamed Socorro Hueco
481410057	Socorro	201 South Nevarez Road, El Paso	El Paso	31.66219	-106.30308	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	General/Background; Population Exposure	Neighborhood	Y		Temporarily inactive, pending relocation to 300 Old Hueco Tanks Road, El Paso. Will be renamed Socorro Hueco
481410057	Socorro	201 South Nevarez Road, El Paso	El Paso	31.66219	-106.30308	Suburban	SVOC	SPM	HiVol PUF XAD/ GCMS	24-Hour Sample; 1/6 Days	Highest Concentration	Neighborhood	NA		Temporarily inactive, pending relocation to 300 Old Hueco Tanks Road, El Paso. Will be renamed Socorro Hueco
481410058	Skyline Park	5050-A Yvette Drive, El Paso	El Paso	31.89393	-106.42581	Suburban	Ambient Temperature	SPM	Derived from NWS site KELP	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		
481410058	Skyline Park	5050-A Yvette Drive, El Paso	El Paso	31.89393	-106.42581	Suburban	Barometric Pressure	SPM	Derived from NWS site KELP	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		
481410058	Skyline Park	5050-A Yvette Drive, El Paso	El Paso	31.89393	-106.42581	Suburban	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
481410058	Skyline Park	5050-A Yvette Drive, El Paso	El Paso	31.89393	-106.42581	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
481410058	Skyline Park	5050-A Yvette Drive, El Paso	El Paso	31.89393	-106.42581	Suburban	SO2	SLAMS	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
481410058	Skyline Park	5050-A Yvette Drive, El Paso	El Paso	31.89393	-106.42581	Suburban	TSP-Lead	SLAMS	HiVol/GFAA	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Updated Analysis Method
481410693	Van Buren	2700 Harrison Avenue, El Paso	El Paso	31.81337	-106.46452	Urban/ City Ctr	PM10	SPM	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Added to ANR in 2012.
481411011	El Paso Delta	6700 Delta Drive, El Paso	El Paso	31.758476	-106.407346	Urban/ City Ctr	Speciated VOC	SPM	GC	Continuous	Max Precursor Emissions Impact	Neighborhood	Y		Added to ANR in 2012.
481411011	El Paso Delta	6700 Delta Drive, El Paso	El Paso	31.758476	-106.407346	Urban/ City Ctr	TNMOC	SPM	GC	Continuous	Max Precursor Emissions Impact	Neighborhood	Y		Added to ANR in 2012.
481670004	Texas City Fire Station	25 th and Texas Avenue, Texas City	Galveston-Texas City	29.38444	-94.93083	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Highest Concentration	Neighborhood	Y		
481670004	Texas City Fire Station	25 th and Texas Avenue, Texas City	Galveston-Texas City	29.38444	-94.93083	Urban/ City Ctr	PM10, QC	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Highest Concentration	Neighborhood	Y		
481670005	Texas City Ball Park	2516½ Texas Avenue, Texas City	Galveston-Texas City	29.35824	-94.93153	Urban/ City Ctr	SO2	SPM	Pulsed Fluorescence	Continuous	Highest Concentration	Neighborhood	Y		
481671034	Galveston 99th Street	Avenue V½, Galveston Airport, Galveston	Galveston-Texas City	29.26332	-94.85657	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Ozone Concentration; Upwind Background	Urban Scale	NA	1/3	
481671034	Galveston 99th Street	Avenue V½, Galveston Airport, Galveston	Galveston-Texas City	29.26332	-94.85657	Suburban	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	General/Background; Upwind Background	Urban Scale	Y	1/3	
481671034	Galveston 99th Street	Avenue V½, Galveston Airport, Galveston	Galveston-Texas City	29.26332	-94.85657	Suburban	O3	PAMS	UV Photometric	Continuous	Max Ozone Concentration; Upwind Background	Urban Scale	Y	1/3	
481671034	Galveston 99th Street	Avenue V½, Galveston Airport, Galveston	Galveston-Texas City	29.26332	-94.85657	Suburban	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Ozone Concentration; Upwind Background	Urban Scale	NA	1/3	
481671034	Galveston 99th Street	Avenue V½, Galveston Airport, Galveston	Galveston-Texas City	29.26332	-94.85657	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Ozone Concentration; Upwind Background	Urban Scale	NA	1/3	
481671034	Galveston 99th Street	Avenue V½, Galveston Airport, Galveston	Galveston-Texas City	29.26332	-94.85657	Suburban	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Max Ozone Concentration; Upwind Background	Urban Scale	NA	1/3	
481671034	Galveston 99th Street	Avenue V½, Galveston Airport, Galveston	Galveston-Texas City	29.26332	-94.85657	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Ozone Concentration; Upwind Background	Urban Scale	NA	1/3	
481671034	Galveston 99th Street	Avenue V½, Galveston Airport, Galveston	Galveston-Texas City	29.26332	-94.85657	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Ozone Concentration; Upwind Background	Urban Scale	NA	1/3	
481830001	Longview	Gregg County Airport Longview	Longview-Marshall	32.37871	-94.71183	Rural	NO/NO2/NOx	SPM	Chemiluminescence	Continuous	Population Exposure	Neighborhood	Y		
481830001	Longview	Gregg County Airport Longview	Longview-Marshall	32.37871	-94.71183	Rural	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
481830001	Longview	Gregg County Airport Longview	Longview-Marshall	32.37871	-94.71183	Rural	SO2	SPM	Pulsed Fluorescence	Continuous	General/Background; Population Exposure	Neighborhood	Y		
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Ozone Concentration	Neighborhood	NA	3	

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(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	Barometric Pressure	PAMS	Barometer	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	Max Ozone Concentration; Population Exposure	Neighborhood	Y	3	
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	NOy, High Sensitivity	PAMS	Chemiluminescence	Continuous	Max Ozone Concentration; Population Exposure	Neighborhood	NA	3	
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	O3	PAMS	UV Photometric	Continuous	Max Ozone Concentration; Population Exposure	Neighborhood	Y	3	
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	PM10	SLAMS	HIVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	PM2.5 Speciation	SLAMS	Sequential FRM/ Gravimetric/ Metals, Carbons, Ions	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Max Ozone Concentration; Population Exposure	Neighborhood	NA	3	
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482010024	Houston Aldine	4510½ Aldine Mail Road, Houston	Houston	29.90111	-95.32694	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	Population Exposure	Neighborhood	Y	2	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	O3	PAMS	UV Photometric	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	Speciated VOC	PAMS	GC	Continuous	Population Exposure	Neighborhood	NA	2	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	TNMOC	PAMS	GC	Continuous	Population Exposure	Neighborhood	NA	2	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482010026	Channelview	1405 Sheldon Road, Channelview	Houston	29.8025	-95.12555	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482010029	Northwest Harris County	16822 Kitzman, Tomball	Houston	30.03944	-95.675	Rural	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Extreme Downwind; Upwind Background	Urban Scale	NA	4/1	
482010029	Northwest Harris County	16822 Kitzman, Tomball	Houston	30.03944	-95.675	Rural	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	Extreme Downwind; Population Exposure; Upwind Background	Urban Scale	Y	4/1	
482010029	Northwest Harris County	16822 Kitzman, Tomball	Houston	30.03944	-95.675	Rural	O3	PAMS	UV Photometric	Continuous	Extreme Downwind; Population Exposure; Upwind Background	Urban Scale	Y	4/1	
482010029	Northwest Harris County	16822 Kitzman, Tomball	Houston	30.03944	-95.675	Rural	Relative Humidity	PAMS	Humidity Sensor	Continuous	Extreme Downwind; Upwind Background	Urban Scale	NA	4/1	
482010029	Northwest Harris County	16822 Kitzman, Tomball	Houston	30.03944	-95.675	Rural	Solar Radiation	PAMS	Photovoltaic	Continuous	Extreme Downwind; Upwind Background	Urban Scale	NA	4/1	
482010029	Northwest Harris County	16822 Kitzman, Tomball	Houston	30.03944	-95.675	Rural	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Extreme Downwind; Population Exposure; Upwind Background	Urban Scale	NA	4/1	
482010029	Northwest Harris County	16822 Kitzman, Tomball	Houston	30.03944	-95.675	Rural	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Extreme Downwind; Upwind Background	Urban Scale	NA	4/1	
482010029	Northwest Harris County	16822 Kitzman, Tomball	Houston	30.03944	-95.675	Rural	Wind Speed	PAMS	Cup Anemometer	Continuous	Extreme Downwind; Upwind Background	Urban Scale	NA	4/1	
482010046	Houston North Wayside	7330½ North Wayside, Houston	Houston	29.8275	-95.28361	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482010046	Houston North Wayside	7330½ North Wayside, Houston	Houston	29.8275	-95.28361	Suburban	SO2	SPM	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		

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(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
482010047	Lang	4401½ Lang Road, Houston	Houston	29.83472	-95.48917	Suburban	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Middle Scale	Y		
482010047	Lang	4401½ Lang Road, Houston	Houston	29.83472	-95.48917	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Population Exposure	Middle Scale	Y		
482010047	Lang	4401½ Lang Road, Houston	Houston	29.83472	-95.48917	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Middle Scale	Y		
482010047	Lang	4401½ Lang Road, Houston	Houston	29.83472	-95.48917	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482010051	Houston Croquet	13826½ Croquet, Houston	Houston	29.62361	-95.47361	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482010051	Houston Croquet	13826½ Croquet, Houston	Houston	29.62361	-95.47361	Suburban	SO2	SPM	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
482010055	Houston Bayland Park	6400 Bissonnet Street, Houston	Houston	29.69574	-95.49924	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Population Exposure	Neighborhood	Y		
482010055	Houston Bayland Park	6400 Bissonnet Street, Houston	Houston	29.69574	-95.49924	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482010058	Baytown	7210½ Bayway Drive, Baytown	Houston	29.77069	-95.03122	Suburban	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482010062	Houston Monroe	9726½ Monroe, Houston	Houston	29.62583	-95.2675	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482010062	Houston Monroe	9726½ Monroe, Houston	Houston	29.62583	-95.2675	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482010062	Houston Monroe	9726½ Monroe, Houston	Houston	29.62583	-95.2675	Suburban	SO2	SPM	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
482010066	Houston Westhollow	3333½ Highway 6 South, Houston	Houston	29.72472	-95.50361	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482010066	Houston Westhollow	3333½ Highway 6 South, Houston	Houston	29.72472	-95.50361	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482010071	Pasadena HL&P	1001½ Red Bluff, Pasadena	Houston	29.7165	-95.20129	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482010075	Houston Texas Avenue	2311 Texas Avenue, Houston	Houston	29.75278	-95.35028	Urban/ City Ctr	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Middle Scale	Y		
482010075	Houston Texas Avenue	2311 Texas Avenue, Houston	Houston	29.75278	-95.35028	Urban/ City Ctr	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Population Exposure	Neighborhood	Y		
482010075	Houston Texas Avenue	2311 Texas Avenue, Houston	Houston	29.75278	-95.35028	Urban/ City Ctr	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482010416	Park Place	7421 Park Place Boulevard, Houston	Houston	29.68639	-95.29472	Urban/ City Ctr	CO	SPM	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
482010416	Park Place	7421 Park Place Boulevard, Houston	Houston	29.68639	-95.29472	Urban/ City Ctr	NO/NO2/NOx	SPM	Chemiluminescence	Continuous	Population Exposure	Neighborhood	Y		
482010416	Park Place	7421 Park Place Boulevard, Houston	Houston	29.68639	-95.29472	Urban/ City Ctr	O3	SPM	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482010416	Park Place	7421 Park Place Boulevard, Houston	Houston	29.68639	-95.29472	Urban/ City Ctr	SO2	SPM	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
482011015	Lynchburg Ferry	4407 Independence Parkway South, Baytown	Houston	29.761653	-95.0813861	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Source-Oriented	Neighborhood	Y		Moved across the Houston Ship Channel in 2011
482011015	Lynchburg Ferry	4407 Independence Parkway South, Baytown	Houston	29.761653	-95.0813861	Suburban	O3	SLAMS	UV Photometric	Continuous	Source-Oriented	Neighborhood	Y		Moved across the Houston Ship Channel in 2011
482011017	Baytown Eastpoint	7726 1/2 Eastpoint Blvd, Houston	Houston	29.812	-94.9878	Suburban	O3	SLAMS	UV Photometric	Continuous	Max Ozone Precursor	Neighborhood	Y		
482011017	Baytown Eastpoint	7726 1/2 Eastpoint Blvd, Houston	Houston	29.812	-94.9878	Suburban	SO2	SLAMS	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
482011034	Houston East	1262½ Mae Drive, Houston	Houston	29.76799	-95.22058	Suburban	Ambient Temperature	SPM	Derived from other AQS site 482011035	24-Hour Average; 1/6 Days	Population Exposure	Urban Scale	NA		
482011034	Houston East	1262½ Mae Drive, Houston	Houston	29.76799	-95.22058	Suburban	Barometric Pressure	SPM	Derived from other AQS site 482011035	24-Hour Average; 1/6 Days	Population Exposure	Urban Scale	NA		
482011034	Houston East	1262½ Mae Drive, Houston	Houston	29.76799	-95.22058	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Highest Concentration; Population Exposure	Middle Scale	Y		
482011034	Houston East	1262½ Mae Drive, Houston	Houston	29.76799	-95.22058	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482011034	Houston East	1262½ Mae Drive, Houston	Houston	29.76799	-95.22058	Suburban	TSP-Lead	SLAMS	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	Y		Updated analysis method
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Barometric Pressure	PAMS	Barometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	Added to ANR in 2012
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Carbonyl	PAMS	DNPH Silica/HPLC	8 Three-Hour Samples; 1/3 Days (July - Sept)	Max Precursor Emissions Impact	Neighborhood	NA	2	

Appendix A: TCEQ Criteria Pollutant, Photochemical Assessment Monitoring Stations (PAMS), Chemical Speciation Network (CSN), National Air Toxics Trends Stations (NATTS), and National Core (NCore) Networks
(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Carbonyl	PAMS	DNPH Silica/HPLC	24-Hour Sample; 1/6 Days (Oct - Jun)	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	CO, High Sensitivity	PAMS	Gas Filter Correlation	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	NO/NO2/NOx	PAMS	Chemi- luminescence	Continuous	Area-Wide; RA-40; Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	O3	PAMS	UV Photometric	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	PM10 (Speciation)	SLAMS	HiVol/ Gravimetric/ ICP- MS	24-Hour Sample; 1/6 Days	Highest Concentration; Population Exposure; Source-Oriented	Neighborhood	Y		
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	PM10, QC	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Highest Concentration; Population Exposure	Neighborhood	Y		
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; Daily	Highest Concentration; Population Exposure; Source-Oriented	Neighborhood	Y		
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	PM2.5, QC	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Highest Concentration; Population Exposure	Neighborhood	Y		
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Precipitation	SPM	Rain Gauge	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	Added to ANR in 2012
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	SO2	SLAMS	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Speciated VOC	PAMS	GC	Continuous	Highest Concentration; Population Exposure; Source-Oriented	Neighborhood	NA	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	TNMOC	PAMS	GC	Continuous	Highest Concentration; Population Exposure; Source-Oriented	Neighborhood	NA	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	UV Radiation	PAMS	Ultraviolet Pyranometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011035	Clinton	9525 Clinton Drive, Houston	Houston	29.73371	-95.25759	Urban/ City Ctr	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Barometric Pressure	SPM	Derived from NWS site KHOU	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact	Neighborhood	NA		Added to ANR in 2012
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Black Carbon, PM2.5	NATTS	Aethalometer	Continuous	Population Exposure	Neighborhood	NA		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Carbonyl	NATTS/PAMS*	DNPH Silica/HPLC	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	CO, High Sensitivity	NCore	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	NO/NO2/NOx	PAMS/NCore	Chemi- luminescence	Continuous	Population Exposure; Source-Oriented	Neighborhood	Y	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	NOy, High Sensitivity	NCore	Chemi- luminescence	Continuous	Population Exposure	Neighborhood	NA		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	O3	PAMS/NCore	UV Photometric	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67	-95.128333	Urban/ City Ctr	PM10 (Speciation)	SLAMS/NATTS	HiVol/ Gravimetric/ ICP- MS	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67	-95.128333	Urban/ City Ctr	PM10 (Speciation), QC	SLAMS/NATTS	HiVol/ Gravimetric/ ICP- MS	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67	-95.128333	Urban/ City Ctr	PM10-2.5	NCore	Beta Attenuation	Continuous	Population Exposure	Neighborhood	N		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67	-95.128333	Urban/ City Ctr	PM2.5	NCore/SLAMS	Beta Attenuation	Continuous	Population Exposure	Neighborhood	Y		

Appendix A: TCEQ Criteria Pollutant, Photochemical Assessment Monitoring Stations (PAMS), Chemical Speciation Network (CSN), National Air Toxics Trends Stations (NATTS), and National Core (NCore) Networks
(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67	-95.128333	Urban/ City Ctr	PM2.5	NCore/CSN	Sequential Non-FRM/ Gravimetric	24-Hour Sample; 1/3 Days	Population Exposure	Neighborhood	N		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67	-95.128333	Urban/ City Ctr	PM2.5, QC	NCore/CSN	Sequential Non-FRM/ Gravimetric	24-Hour Sample; 1/3 Days	Population Exposure	Neighborhood	N		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	SO2, High Sensitivity	NCore	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Speciated VOC	PAMS	GC	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Speciated VOC	NATTS/PAMS*	Canister/ GC/MS/FID	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Speciated VOC, QC	NATTS	Canister/ GC/MS/FID	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	SVOC	NATTS	Hi Vol PUF XAD/GC MS	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	SVOC, QC	NATTS	Hi Vol PUF XAD/GC MS	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	TNMOC	PAMS/NCore	GC	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	TSP-Cr6+	NATTS	Chromium IV Sampler/Ion Chromatograph UV Visible	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	NA		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	TSP-Cr6+, QC	NATTS	Chromium IV Sampler/Ion Chromatograph UV Visible	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	NA		
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	TSP-Lead	NCore	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Added to ANR in 2012
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011039	Houston Deer Park #2	4514½ Durant Street, Deer Park, NCore Site	Houston	29.67000	-95.128333	Urban/ City Ctr	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482011043	La Porte Airport	La Porte Airport, 2434 Buchanan Street, La Porte	Houston	29.670000	-95.06470	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	General/Background	Neighborhood	NA		Added to ANR in 2012
482011043	La Porte Airport	La Porte Airport, 2434 Buchanan Street, La Porte	Houston	29.670000	-95.06470	Suburban	Precipitation	PAMS	Rain Gauge	Continuous	General/Background	Neighborhood	NA		Added to ANR in 2012
482011043	La Porte Airport	La Porte Airport, 2434 Buchanan Street, La Porte	Houston	29.670000	-95.06470	Suburban	Radar Profiler	PAMS	Doppler Radar	24-One Hour Averages, Daily	Regional Transport	Regional Scale	NA		Added to ANR in 2012
482011043	La Porte Airport	La Porte Airport, 2434 Buchanan Street, La Porte	Houston	29.670000	-95.06470	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	General/Background	Neighborhood	NA		Added to ANR in 2012
482011043	La Porte Airport	La Porte Airport, 2434 Buchanan Street, La Porte	Houston	29.670000	-95.06470	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	General/Background	Neighborhood	NA		Added to ANR in 2012
482011050	Seabrook Friendship Park	4522 Park Road, Seabrook	Houston	29.58303	-95.01554	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Population Exposure	Neighborhood	Y		
482011050	Seabrook Friendship Park	4522 Park Road, Seabrook	Houston	29.58303	-95.01554	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482011050	Seabrook Friendship Park	4522 Park Road, Seabrook	Houston	29.58303	-95.01554	Suburban	SO2	SPM	Pulsed Fluorescence	Continuous	Population Exposure; Source-Oriented	Neighborhood	Y		
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	Carbonyl	NATTS	DNPH Slica/HPLC	24-Hour Sample; 1/6 Days	General/Background	Regional Scale	NA		
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	General/Background	Regional Scale	Y		
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	O3	SLAMS	UV Photometric	Continuous	General/Background	Regional Scale	Y		
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	PM10 (Speciation)	NATTS	HiVol/ Gravimetric/ ICP-MS	24-Hour Sample; 1/6 Days	General/Background	Regional Scale	Y		
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	PM2.5	SPM	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	General/Background	Regional Scale	N		

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(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	PM2.5 Speciation	SPM	Sequential Non-FRM/ Gravimetric/ Metals, Carbon, Ions	24-Hour Sample; 1/6 Days	Regional Transport; General/Background	Regional Scale	N		Added to ANR in 2012
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	Speciated VOC	NATTS	Canister/ GC/MS/FID	24-Hour Sample; 1/6 Days	General/Background	Regional Scale	NA		
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	SVOC	NATTS	Hi Vol PUF XAD/GCMS	24-Hour Sample; 1/6 Days	General/Background	Regional Scale	NA		
482030002	Karnack	Highway 134 & Spur 449, Karnack	Longview-Marshall	32.669	-94.16745	Rural	TSP-Cr6+	NATTS	Ion Chromatograph UV Visible	24-Hour Sample; 1/6 Days	General/Background	Regional Scale	NA		
482150043	Mission	2300 North Glasscock, Mission	McAllen-Edinburg-Mission	26.22624	-98.29106	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482150043	Mission	2300 North Glasscock, Mission	McAllen-Edinburg-Mission	26.22624	-98.29106	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	Y		
482150043	Mission	2300 North Glasscock, Mission	McAllen-Edinburg-Mission	26.22624	-98.29106	Suburban	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	Y		
482150043	Mission	2300 North Glasscock, Mission	McAllen-Edinburg-Mission	26.22624	-98.29106	Suburban	SVOC	SPM	HiVol PUF XAD/ GCMS	24-Hour Sample; 1/6 Days	Population Exposure	Micro Scale	NA		Added to ANR in 2012
482151048	Mercedes	325 Golf Course Road, Mercedes	McAllen-Edinburg-Mission	26.13108	-97.93726	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
482151048	Mercedes	325 Golf Course Road, Mercedes	McAllen-Edinburg-Mission	26.13108	-97.93726	Suburban	Speciated VOC	SPM	Canister/GC/MS	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	NA		Added to ANR in 2012
482151048	Mercedes	325 Golf Course Road, Mercedes	McAllen-Edinburg-Mission	26.13108	-97.93726	Suburban	SVOC	SPM	HiVol PUF XAD/ GCMS	24-Hour Sample; 1/6 Days	Population Exposure	Urban Scale	NA		Added to ANR in 2012
482210001	Granbury	200 North Gordon Street, Granbury	Fort Worth-Arlington	32.44028	-97.80361	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
482311006	Greenville	824 Sayle Street, Greenville	Dallas	33.15311	-96.11552	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Population Exposure; Upwind Background	Neighborhood	Y		
482311006	Greenville	824 Sayle Street, Greenville	Dallas	33.15311	-96.11552	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure; Upwind Background	Neighborhood	Y		
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	Population Exposure	Neighborhood	Y	2	
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	O3	PAMS	UV Photometric	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	SO2	SLAMS	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	Speciated VOC	PAMS	GC	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	TNMOC	PAMS	GC	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482450009	Beaumont Downtown	1086 Vermont Avenue, Beaumont	Beaumont-Port Arthur	30.03639	-94.07111	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482450011	Port Arthur West	800 El Vista Road & 53 rd Street, Port Arthur	Beaumont-Port Arthur	29.89406	-93.9879	Urban/ City Ctr	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		Temporarily inactive, pending relocation in Summer 2012 to 623 Elias Street, Port Arthur
482450011	Port Arthur West	800 El Vista Road & 53 rd Street, Port Arthur	Beaumont-Port Arthur	29.89406	-93.9879	Urban/ City Ctr	SO2	SLAMS	Pulsed Fluorescence	Continuous	Source-Oriented	Neighborhood	Y		Temporarily inactive, pending relocation in Summer 2012 to 623 Elias Street, Port Arthur
482450018	Jefferson County Airport	End of 90th Street at Jefferson County Airport, Port Arthur	Beaumont-Port Arthur	29.9427953	-94.0007754	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	General/Background	Neighborhood	NA		Added to ANR in 2012
482450018	Jefferson County Airport	End of 90th Street at Jefferson County Airport, Port Arthur	Beaumont-Port Arthur	29.9427953	-94.0007754	Suburban	Precipitation	PAMS	Rain Gauge	Continuous	General/Background	Neighborhood	NA	NA	
482450018	Jefferson County Airport	End of 90th Street at Jefferson County Airport, Port Arthur	Beaumont-Port Arthur	29.9427953	-94.0007754	Suburban	Radar Profiler	PAMS	Doppler Radar	24-One Hour Averages, Daily	Regional Transport	Regional Scale	NA	NA	
482450018	Jefferson County Airport	End of 90th Street at Jefferson County Airport, Port Arthur	Beaumont-Port Arthur	29.9427953	-94.0007754	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	General/Background	Neighborhood	NA		Added to ANR in 2012
482450018	Jefferson County Airport	End of 90th Street at Jefferson County Airport, Port Arthur	Beaumont-Port Arthur	29.9427953	-94.0007754	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	General/Background	Neighborhood	NA		Added to ANR in 2012

Appendix A: TCEQ Criteria Pollutant, Photochemical Assessment Monitoring Stations (PAMS), Chemical Speciation Network (CSN), National Air Toxics Trends Stations (NATTS), and National Core (NCore) Networks
(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
482450022	Hamshire	12552 Second Street, Beaumont	Beaumont-Port Arthur	29.86395	-94.31775	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	General/Background; Regional Transport	Urban Scale	Y		
482450022	Hamshire	12552 Second Street, Beaumont	Beaumont-Port Arthur	29.86395	-94.31775	Suburban	O3	SLAMS	UV Photometric	Continuous	General/Background; Regional Transport	Urban Scale	Y		
482450101	SETRPC 40 Sabine Pass	6019 Mechanic, Sabine Pass	Beaumont-Port Arthur	29.718056	-93.896944	Rural	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482450101	SETRPC 40 Sabine Pass	6019 Mechanic, Sabine Pass	Beaumont-Port Arthur	29.718056	-93.896944	Rural	NOy, High Sensitivity	PAMS	Chemiluminescence	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482450101	SETRPC 40 Sabine Pass	6019 Mechanic, Sabine Pass	Beaumont-Port Arthur	29.718056	-93.896944	Rural	O3	PAMS	UV Photometric	Continuous	Max Ozone Concentration	Neighborhood	Y	3	SETRPC Ozone Sampler, TCEQ buys access to the data
482450101	SETRPC 40 Sabine Pass	6019 Mechanic, Sabine Pass	Beaumont-Port Arthur	29.718056	-93.896944	Rural	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482450101	SETRPC 40 Sabine Pass	6019 Mechanic, Sabine Pass	Beaumont-Port Arthur	29.718056	-93.896944	Rural	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
482450102	SETRPC 43 Jefferson Co Airport	Jefferson County Airport, Port Arthur	Beaumont-Port Arthur	29.9425	-94.000556	Suburban	O3	SPM	UV Photometric	Continuous	Max Precursor Emissions Impact	Middle Scale	Y		SETRPC Ozone Sampler
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	Barometric Pressure	PAMS	Barometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	CO, High Sensitivity	PAMS	Gas Filter Correlation	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	RA-40; Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	O3	PAMS	UV Photometric	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	Speciated VOC	PAMS	GC	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	TNMOC	PAMS	GC	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	UV Radiation	PAMS	Ultraviolet Pyranometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482451035	Nederland High School	Seattle Street, Nederland	Beaumont-Port Arthur	29.97861	-94.01111	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
482451050	Beaumont Mary	414 Mary Street, Beaumont	Beaumont-Port Arthur	30.06717	-94.09093	Urban/City Ctr	SO2	SPM	Pulsed Fluorescence	Continuous	Source-Oriented	Neighborhood	Y		
482451050	Beaumont Mary	414 Mary Street, Beaumont	Beaumont-Port Arthur	30.06717	-94.09093	Urban/City Ctr	Speciated VOC	SPM	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Source-Oriented	Neighborhood	NA		
482510003	Cleburne Airport	1650 Airport Drive, Cleburne	Fort Worth-Arlington	32.35972	-97.43194	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Highest Concentration	Neighborhood	NA	NA	Added to ANR in 2012
482510003	Cleburne Airport	1650 Airport Drive, Cleburne	Fort Worth-Arlington	32.35972	-97.43194	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
482510003	Cleburne Airport	1650 Airport Drive, Cleburne	Fort Worth-Arlington	32.35972	-97.43194	Suburban	Radar Profiler	PAMS	Doppler Radar	24-One Hour Averages, Daily	Regional Transport	Regional Scale	NA	NA	
482510003	Cleburne Airport	1650 Airport Drive, Cleburne	Fort Worth-Arlington	32.35972	-97.43194	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Highest Concentration	Neighborhood	NA	NA	Added to ANR in 2012
482510003	Cleburne Airport	1650 Airport Drive, Cleburne	Fort Worth-Arlington	32.35972	-97.43194	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Highest Concentration	Neighborhood	NA	NA	Added to ANR in 2012
482510003	Cleburne Airport	1650 Airport Drive, Cleburne	Fort Worth-Arlington	32.35972	-97.43194	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Highest Concentration	Neighborhood	NA	NA	Added to ANR in 2012
482511008	Johnson County Luisa	2420 Luisa Ln, Alvarado	Fort Worth-Arlington	32.469701	-97.169271	Suburban	Speciated VOC	SPM	Canister/GC/MS	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	NA		Added to ANR in 2012
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Upwind Background	Urban Scale	NA	1	
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	NO/NO2/NOx	PAMS	Chemiluminescence	Continuous	Population Exposure; Upwind Background	Urban Scale	Y	1	
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	O3	PAMS	UV Photometric	Continuous	Population Exposure; Upwind Background	Urban Scale	Y	1	
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	Relative Humidity	PAMS	Humidity Sensor	Continuous	Upwind Background	Urban Scale	NA	1	
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	SO2	SLAMS	Pulsed Fluorescence	Continuous	Population Exposure; Upwind Background	Urban Scale	Y		

Appendix A: TCEQ Criteria Pollutant, Photochemical Assessment Monitoring Stations (PAMS), Chemical Speciation Network (CSN), National Air Toxics Trends Stations (NATTS), and National Core (NCore) Networks
(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Upwind Background	Urban Scale	NA	1	
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Population Exposure; Upwind Background	Urban Scale	NA	1	
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Upwind Background	Urban Scale	NA	1	
482570005	Kaufman	3790 South Houston Street, Kaufman	Dallas	32.56917	-96.31583	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Upwind Background	Urban Scale	NA	1	
482570020	Terrell Temtex	106 Tejas Drive, Terrell	Dallas	32.731919	-96.317911	Rural	Ambient Temperature	SPM	Derived from NWS site KTRL	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	NA		Changed spatial scale
482570020	Terrell Temtex	106 Tejas Drive, Terrell	Dallas	32.731919	-96.317911	Rural	Barometric Pressure	SPM	Derived from NWS site KTRL	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	NA		Changed spatial scale
482570020	Terrell Temtex	106 Tejas Drive, Terrell	Dallas	32.731919	-96.317911	Rural	TSP-Lead	SLAMS	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure; Source-Oriented	Neighborhood	Y		Update analysis method. Changed spatial scale
483091037	Waco Mazanec	4472 Mazanec Road, Elm Mott	Waco	31.653077	-97.070695	Rural	CO	SLAMS	Gas Filter Correlation	Continuous	Upwind Background	Urban Scale	Y		
483091037	Waco Mazanec	4472 Mazanec Road, Elm Mott	Waco	31.653077	-97.070695	Rural	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Upwind Background	Urban Scale	Y		
483091037	Waco Mazanec	4472 Mazanec Road, Elm Mott	Waco	31.653077	-97.070695	Rural	O3	SLAMS	UV Photometric	Continuous	Upwind Background	Regional Scale	Y		
483091037	Waco Mazanec	4472 Mazanec Road, Elm Mott	Waco	31.653077	-97.070695	Rural	SO2	SLAMS	Pulsed Fluorescence	Continuous	Upwind Background	Urban Scale	Y		
483390078	Conroe Relocated	9472-A Highway 1484, Conroe	Houston	30.3503	-95.42514	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Highest Concentration	Neighborhood	NA	4	Added to ANR in 2012
483390078	Conroe Relocated	9472-A Highway 1484, Conroe	Houston	30.3503	-95.42514	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	General/Background; Population Exposure	Urban Scale	Y		
483390078	Conroe Relocated	9472-A Highway 1484, Conroe	Houston	30.3503	-95.42514	Suburban	O3	SLAMS	UV Photometric	Continuous	General/Background; Population Exposure	Urban Scale	Y		
483390078	Conroe Relocated	9472-A Highway 1484, Conroe	Houston	30.3503	-95.42514	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Highest Concentration	Neighborhood	NA	4	Added to ANR in 2012
483390078	Conroe Relocated	9472-A Highway 1484, Conroe	Houston	30.3503	-95.42514	Suburban	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Extreme Downwind; Population Exposure	Urban Scale	NA	4	
483390078	Conroe Relocated	9472-A Highway 1484, Conroe	Houston	30.3503	-95.42514	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Highest Concentration	Neighborhood	NA	4	Added to ANR in 2012
483390078	Conroe Relocated	9472-A Highway 1484, Conroe	Houston	30.3503	-95.42514	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Highest Concentration	Neighborhood	NA	4	Added to ANR in 2012
483491051	Corsicana Airport	Corsicana Airport, Corsicana	Dallas	32.031931	-96.399144	Rural	NO/NO2/NOx	SPM	Chemiluminescence	Continuous	Source-Oriented	Urban Scale	Y		
483491051	Corsicana Airport	Corsicana Airport, Corsicana	Dallas	32.031931	-96.399144	Rural	O3	SPM	UV Photometric	Continuous	Source-Oriented	Urban Scale	Y		
483491051	Corsicana Airport	Corsicana Airport, Corsicana	Dallas	32.031931	-96.399144	Rural	SO2	SPM	Pulsed Fluorescence	Continuous	Source-Oriented	Urban Scale	Y		
483550025	Corpus Christi West	902 Airport Boulevard, Corpus Christi	Corpus Christi	27.7653	-97.4342	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
483550025	Corpus Christi West	902 Airport Boulevard, Corpus Christi	Corpus Christi	27.7653	-97.4342	Suburban	SO2	SLAMS	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
483550026	Corpus Christi Tuloso	9860 La Branch, Corpus Christi	Corpus Christi	27.8325	-97.5553	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
483550026	Corpus Christi Tuloso	9860 La Branch, Corpus Christi	Corpus Christi	27.8325	-97.5553	Suburban	SO2	SLAMS	Pulsed Fluorescence	Continuous	Population Exposure	Neighborhood	Y		
483550032	Corpus Christi Huisache	3810 Huisache Street, Corpus Christi	Corpus Christi	27.8044	-97.4317	Urban/ City Ctr	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/3 Days	Population Exposure	Neighborhood	Y		Updated operating schedule
483550032	Corpus Christi Huisache	3810 Huisache Street, Corpus Christi	Corpus Christi	27.8044	-97.4317	Urban/ City Ctr	PM2.5, QC	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
483550032	Corpus Christi Huisache	3810 Huisache Street, Corpus Christi	Corpus Christi	27.8044	-97.4317	Urban/ City Ctr	SO2	SLAMS	Pulsed Fluorescence	Continuous	Highest Concentration; Population Exposure	Neighborhood	Y		
483550034	Dona Park	5707 Up River Road, Corpus Christi	Corpus Christi	27.8118	-97.46563	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
483550034	Dona Park	5707 Up River Road, Corpus Christi	Corpus Christi	27.8118	-97.46563	Urban/ City Ctr	PM10, QC	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
483550034	Dona Park	5707 Up River Road, Corpus Christi	Corpus Christi	27.8118	-97.46563	Urban/ City Ctr	PM2.5 Speciation	SLAMS	Sequential FRM/ Gravimetric/ Metals, Carbons, Ions	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
483611001	West Orange	2700 Ausin Avenue, West Orange	Beaumont-Port Arthur	30.08444	-93.76167	Urban/ City Ctr	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Population Exposure	Neighborhood	Y		

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(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
483611001	West Orange	2700 Austin Avenue, West Orange 3033 New Authon Road, Weatherford	Beaumont- Port Arthur	30.08444	-93.76167	Urban/ City Ctr	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
483670081	Parker County		Dallas	32.86879	-97.9059	Rural	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Urban Scale	Y		
483750024	Amarillo SH 136	7010 State Highway 136, Amarillo	Amarillo	35.28025	-101.7155768	Rural	Ambient Temperature	SPM	Derived from NWS site KAMA	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Middle Scale	NA		
483750024	Amarillo SH 136	7010 State Highway 136, Amarillo	Amarillo	35.28025	-101.7155768	Rural	Barometric Pressure	SPM	Derived from NWS site KAMA	24-Hour Average; 1/6 Days	Population Exposure; Source-Oriented	Middle Scale	NA		
483750024	Amarillo SH 136	7010 State Highway 136, Amarillo	Amarillo	35.28025	-101.7155768	Rural	TSP-Lead	SLAMS	HiVol/ICP-MS	24-Hour Sample; 1/6 Days	Population Exposure; Source-Oriented	Middle Scale	Y		Updated analysis method
483970001	Rockwall Heath	100 East Heath Street, Rockwall	Dallas	32.93651	-96.45918	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
484230007	Tyler Airport Relocated	14790 County Road 1145, Tyler	Tyler	32.34399	-95.41577	Rural	NO/NO2/NOx	SPM	Chemi- luminescence	Continuous	General/Background	Urban Scale	Y		
484230007	Tyler Airport Relocated	14790 County Road 1145, Tyler	Tyler	32.34399	-95.41577	Rural	O3	SLAMS	UV Photometric	Continuous	General/Background	Urban Scale	Y		
484390075	Eagle Mountain Lake	14290 Morris Dido Newark Road, Eagle Mountain Lake	Fort Worth- Arlington	32.98782	-97.47719	Rural	O3	SLAMS	UV Photometric	Continuous	Max Ozone Concentration	Neighborhood	Y		
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	Carbonyl*	PAMS*	DNPH Silica/HPLC	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact	Neighborhood	NA	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	NO/NO2/NOx	PAMS/SLAMS	Chemi- luminescence	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	O3	PAMS/SLAMS	UV Photometric	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	Y	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/3 Days	Population Exposure	Neighborhood	Y		
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	Speciated VOC	PAMS	GC	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	TNMOC	PAMS	GC	Continuous	Max Precursor Emissions Impact; Population Exposure	Neighborhood	NA	2	
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	Changed Spatial Scale; Changed Monitoring Objective
484391002	Fort Worth Northwest	3317 Ross Avenue, Fort Worth	Fort Worth- Arlington	32.80500	-97.35639	Urban/ City Ctr	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Precursor Emissions Impact	Neighborhood	NA	2	Changed Spatial Scale; Changed Monitoring Objective
484391006	Haws Athletic Center	600½ Congress Street, Fort Worth	Fort Worth- Arlington	32.75889	-97.34222	Urban/ City Ctr	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/3 Days	Highest Concentration; Population Exposure	Neighborhood	Y		
484392003	Keller	Alta Vista Road, Fort Worth	Fort Worth- Arlington	32.92194	-97.28194	Suburban	O3	SLAMS	UV Photometric	Continuous	Max Ozone Concentration; Population Exposure	Neighborhood	Y		
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth- Arlington	32.98417	-97.06361	Suburban	Ambient Temperature	PAMS	Aspirated Thermister	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth- Arlington	32.98417	-97.06361	Suburban	Barometric Pressure	PAMS	Barometer	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth- Arlington	32.98417	-97.06361	Suburban	NO/NO2/NOx	PAMS	Chemi- luminescence	Continuous	Max Ozone Concentration; Population Exposure	Neighborhood	Y	3	
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth- Arlington	32.98417	-97.06361	Suburban	O3	PAMS	UV Photometric	Continuous	Max Ozone Concentration; Population Exposure	Neighborhood	Y	3	
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth- Arlington	32.98417	-97.06361	Suburban	Relative Humidity	PAMS	Humidity Sensor	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth- Arlington	32.98417	-97.06361	Suburban	Solar Radiation	PAMS	Photovoltaic	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth- Arlington	32.98417	-97.06361	Suburban	Speciated VOC*	PAMS*	Canister/ GC/MS	24-Hour Sample; 1/6 Days	Max Ozone Concentration; Population Exposure	Neighborhood	NA	3	

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(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth-Arlington	32.98417	-97.06361	Suburban	Wind Direction	PAMS	Single Potentiometer Vane	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
484393009	Grapevine Fairway	4100 Fairway Drive, Grapevine	Fort Worth-Arlington	32.98417	-97.06361	Suburban	Wind Speed	PAMS	Cup Anemometer	Continuous	Max Ozone Concentration	Neighborhood	NA	3	
484393010	Stage Coach	8900 West Freeway, White Settlement	Fort Worth-Arlington	32.7392	-97.47033	Suburban	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Changed spatial scale
484393010	Stage Coach	8900 West Freeway, White Settlement	Fort Worth-Arlington	32.7392	-97.47033	Suburban	PM10, QC	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Changed spatial scale
484393011	Arlington Municipal Airport	5504 South Collins Street, Arlington	Fort Worth-Arlington	32.65639	-97.08889	Suburban	CO	SLAMS	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
484393011	Arlington Municipal Airport	5504 South Collins Street, Arlington	Fort Worth-Arlington	32.65639	-97.08889	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	RA-40; Population Exposure	Neighborhood	Y		
484393011	Arlington Municipal Airport	5504 South Collins Street, Arlington	Fort Worth-Arlington	32.65639	-97.08889	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
484530014	Austin Northwest	3724 North Hills Drive, Austin	Austin-San Marcos	30.35443	-97.76026	Suburban	CO	SPM	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		
484530014	Austin Northwest	3724 North Hills Drive, Austin	Austin-San Marcos	30.35443	-97.76026	Suburban	NO/NO2/NOx	SLAMS	Chemiluminescence	Continuous	Population Exposure	Urban Scale	Y		Added to ANR in 2012.
484530014	Austin Northwest	3724 North Hills Drive, Austin	Austin-San Marcos	30.35443	-97.76026	Suburban	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
484530020	Austin Audubon Society	12200 Lime Creek Road, Austin	Austin-San Marcos	30.48316	-97.87227	Rural	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
484530020	Austin Audubon Society	12200 Lime Creek Road, Austin	Austin-San Marcos	30.48316	-97.87227	Rural	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
484530020	Austin Audubon Society	12200 Lime Creek Road, Austin	Austin-San Marcos	30.48316	-97.87227	Rural	PM2.5 Speciation	SLAMS	Sequential FRM/ Gravimetric/ Metals, Carbons, Ions	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
484530021	Austin Webberville Rd	2600-B Webberville Road, Austin	Austin-San Marcos	30.26323	-97.71288	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		
484530021	Austin Webberville Rd	2600-B Webberville Road, Austin	Austin-San Marcos	30.26323	-97.71288	Urban/ City Ctr	PM2.5	SLAMS	Sequential FRM/ Gravimetric	24-Hour Sample; 1/3 Days	Population Exposure	Neighborhood	Y		
484690003	Victoria	106 Mockingbird Lane, Victoria	Victoria	28.8361	-97.0056	Urban/ City Ctr	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		
484790016	Laredo Border	West End Washington Street, Laredo	Laredo	27.51083	-99.51972	Urban/ City Ctr	Ambient Temperature	SPM	Derived from NWS site KLRD	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		Temporarily inactive, pending relocation in Summer 2012 to 2100 Santa Isabel Avenue, Laredo. Will be renamed Laredo Santa Isabel
484790016	Laredo Border	West End Washington Street, Laredo	Laredo	27.51083	-99.51972	Urban/ City Ctr	Barometric Pressure	SPM	Derived from NWS site KLRD	24-Hour Average; 1/6 Days	Population Exposure	Neighborhood	NA		Temporarily inactive, pending relocation in Summer 2012 to 2100 Santa Isabel Avenue, Laredo. Will be renamed Laredo Santa Isabel
484790016	Laredo Border	West End Washington Street, Laredo	Laredo	27.51083	-99.51972	Urban/ City Ctr	CO	SPM	Gas Filter Correlation	Continuous	Population Exposure	Neighborhood	Y		Temporarily inactive, pending relocation in Summer 2012 to 2100 Santa Isabel Avenue, Laredo. Will be renamed Laredo Santa Isabel
484790016	Laredo Border	West End Washington Street, Laredo	Laredo	27.51083	-99.51972	Urban/ City Ctr	O3	SLAMS	UV Photometric	Continuous	Population Exposure	Neighborhood	Y		Temporarily inactive, pending relocation in Summer 2012 to 2100 Santa Isabel Avenue, Laredo. Will be renamed Laredo Santa Isabel
484790016	Laredo Border	West End Washington Street, Laredo	Laredo	27.51083	-99.51972	Urban/ City Ctr	PM10	SLAMS	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Temporarily inactive, pending relocation in Summer 2012 to 2100 Santa Isabel Avenue, Laredo. Will be renamed Laredo Santa Isabel
484790016	Laredo Border	West End Washington Street, Laredo	Laredo	27.51083	-99.51972	Urban/ City Ctr	SVOC	SPM	HiVol PUF XAD/ GCMS	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	NA		Temporarily inactive, pending relocation in Summer 2012 to 2100 Santa Isabel Avenue, Laredo. Will be renamed Laredo Santa Isabel
484790016	Laredo Border	West End Washington Street, Laredo	Laredo	27.51083	-99.51972	Urban/ City Ctr	TSP-Lead	SPM	HiVol/ICP-MS/AES	24-Hour Sample; 1/6 Days	Population Exposure	Neighborhood	Y		Temporarily inactive, pending relocation in Summer 2012 to 2100 Santa Isabel Avenue, Laredo. Will be renamed Laredo Santa Isabel. Updated analysis method. ICP-AES for Arsenic
484790017	Laredo Bridge	700 Zaragoza Street, Laredo	Laredo	27.50167	-99.50306	Urban/ City Ctr	CO	SPM	Gas Filter Correlation	Continuous	Population Exposure; Source-Oriented	Micro Scale	Y		
484790017	Laredo Bridge	700 Zaragoza Street, Laredo	Laredo	27.50167	-99.50306	Urban/ City Ctr	PM10	SPM	HiVol/ Gravimetric	24-Hour Sample; 1/6 Days	Highest Concentration	Micro Scale	Y		

Appendix A: TCEQ Criteria Pollutant, Photochemical Assessment Monitoring Stations (PAMS), Chemical Speciation Network (CSN), National Air Toxics Trends Stations (NATTS), and National Core (NCore) Networks
(Legend at End)

AQS Site ID	Site Name	Address/Location	MSA / CBSA	Latitude	Longitude	Location Setting	Sampler Type	QAPP	Sampling Method / Analysis	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	PAMS Site Type	Comments
TBD	Harlingen Ozone site	TBD	Brownsville-Harlingen-San Benito	TBD	TBD	TBD	O3	TBD	TBD	TBD	TBD	TBD	Y		
TBD	Stinson Municipal	TBD	San Antonio	TBD	TBD	TBD	Ambient Temperature Barometric Pressure	SPM	TBD	TBD	TBD	TBD	NA		Will operate for 12 consecutive months after start date.
TBD	Stinson Municipal	TBD	San Antonio	TBD	TBD	TBD	TSP-Lead	SPM	TBD	TBD	TBD	TBD	Y		Will operate for 12 consecutive months after start date.
TBD	Stinson Municipal	TBD	San Antonio	TBD	TBD	TBD	O3	TBD	TBD	TBD	TBD	TBD	Y		Will operate for 12 consecutive months after start date.
TBD	Temple Ozone site	TBD	Killeen	TBD	TBD	TBD	NO/NO2/NOx	TBD	TBD	TBD	TBD	TBD	Y		
TBD	DFW Near Road Site	TBD	Dallas	TBD	TBD	TBD	NO/NO2/NOx	TBD	TBD	TBD	TBD	TBD	Y		
TBD	Houston Near Road Site	TBD	Houston	TBD	TBD	TBD	NO/NO2/NOx	TBD	TBD	TBD	TBD	TBD	Y		
TBD	Amarillo SO2 Site	TBD	Amarillo	TBD	TBD	TBD	SO2	TBD	TBD	TBD	TBD	TBD	Y		

LEGEND			
*	PAMS monitoring beyond minimum requirements of 40 CFR Part 58, Appendix D	NWS site KTRL	National Weather Service site Terrell Municipal Airport TX
241-Hr Avg, Daily	24-Hour Averages, Daily	O3	Ozone
24-Hour 1/3 Day	24-Hour Sample, Once every Third Day	PAMS	Photochemical Assessment Monitoring Stations
24-Hour 1/6 Day	24-Hour Sample, Once every Sixth Day	PM10	Particulate Matter ≤10 Microns
AQS	Air Quality System	PM2.5	Particulate Matter ≤2.5 Microns
CBSA	Core Based Statistical Area	QAPP	Quality Assurance Project Plan
CO	Carbon Monoxide	QC	Quality Control Sampler
Cr6+	Chromium IV	RA-40	Regional Administrator Required Monitoring, 40 CFR 58
DNPH Silica/HPLC	Dinitrophenylhydrazine coated silica cartridges by High Performance Liquid Chromatograph	SETRPC	Southeast Texas Regional Planning Commission
FID	Flame Ionization Detector	SLAMS	State and Local Air Monitoring Stations
FRM	Federal Reference Method	SO2	Sulfur Dioxide
GC	Gas Chromatograph	SPM	Special Purpose Monitor
GC/MS	Gas Chromatography/Mass Spectrometry	STN	Speciation Trend Network
GFAA	Graphite Furnace Atomic Absorption	SVOC	Semi-Volatile Organic Compounds
HIVol	High Volume	TBD	To Be Determined
ICP-AES	Inductively Coupled Plasma-Atomic Emission Spectroscopy	TCEQ	Texas Commission on Environmental Quality
MSA	Metropolitan Statistical Area	TNMOC	Total Nonmethane Organic Carbon
NA	Not Applicable	TSP	Total Suspended Particles
NAAQS	National Air Quality Standards	Urban/City Ctr	Urban and City Center
NATTS	National Air Toxics Trends Stations	UV	Ultraviolet
NCore	National Core	VOC	Volatile Organic Compounds
NO/NO2/NOx	Nitrogen Oxides	XAD	Divinylbenzene/styrene copolymer
NOy	Total Reactive Nitrogen		
NWS site KAMA	National Weather Service site Rick Husband Amarillo International Airport	PAMS Type 1	Upwind
NWS site KBRO	National Weather Service site Brownsville/South Padre Island International Airport	PAMS Type 2	Primary Precursor
NWS site KELP	National Weather Service site El Paso International Airport	PAMS Type 3	Maximum Ozone Concentration
NWS site KHOU	National Weather Service site William P. Hobby Airport	PAMS Type 4	Downwind
NWS site KLRD	National Weather Service site Laredo International Airport		