Report from the Performance Audit of the

Mexico City Ambient Air Monitoring Network

Conducted through the remote audit system, 2005

By

The United States Environmental Protection Agency (USEPA)
Office of Air Quality Planning and Standards (OAQPS)

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We appreciate the support provided by:

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I. Executive Summary

The United States Environmental Protection Agency (USEPA) was requested by the Environmental Secretariat of the Government of the Federal District (*Secretaría del Medio Ambiente del Gobierno del Distrito Federal* (GDF)) and the Pan American Health Organization (PAHO) to support the GDF in conducting performance audits of the Mexico City ambient air monitoring network. The USEPA Office of Air Quality Planning and Standards (OAQPS) conducted the last performance audit, which also highlighted system findings, in November 2003. Follow-up audits were also conducted by GDF auditors. Prior to this, audits were performed as an adjunct to a research program in Mexico City by the USEPA Office of Research and Development (ORD).

This report details performance audits conducted using the USEPA National Performance Audit Program (NPAP) audit system. The NPAP utilizes transportable audit equipment that is designed to deliver test concentrations that are unknown to the air monitoring equipment audited. Seventeen monitoring stations and the reference air monitors located at the GDF laboratory were audited by GDF staff. Three of these stations and the laboratory monitors were re-audited by the GDF.

Based on a systematic assessment of all the individual monitors audited, the monitoring system provides accurate results for Ozone (O_3) and Carbon Monoxide (CO), and the potential for system improvements should be explored for Nitrogen Dioxide (NO_2) and Sulfur Dioxide (SO_2) monitoring. The Ozone audit data were of good quality with a slight positive bias. The Ozone audit results were of similar precision to the audits conducted in 2003. Nitrogen Dioxide results reflected a significant low bias and poor precision across all audit levels. Nitrogen Dioxide was not evaluated in 2003. Because Nitrogen Dioxide audits are more complex to implement it is possible that part of the imprecision and bias observed reflects problems with audit system implementation. The Carbon Monoxide audit results are consistent with the audits performed in 2003. Sulfur Dioxide audits indicate that there is potential for significant imprecision at low concentrations. The SO_2 results reflect an improvement in bias and an erosion is precision since the 2003 audits, with overall accuracy being similar to 2003. The ultimate result of these performance audits indicates that the GDF monitoring system is operating satisfactorily, while indicating potential need to improve the Nitrogen Dioxide and Sulfur Dioxide monitoring systems.

USEPA would like to thank the GDF for its cooperation, innovation, and forward thinking[1].

[1] Forward thinking programs are proactive, progressive programs which are often of better quality than reactive, conservative programs. This is because they look for potential problems before they occur and take preventive action, rather than waiting for them to happen and then reacting, which is more expensive and usually much less effective.

II. Introduction

The USEPA provided performance audit support to the GDF for audits completed in April 2005. This report details the results of these audits and recommendations from the USEPA to the GDF.

The air monitoring performance audit support provided by USEPA to the GDF is the same type of support provided by USEPA to State, Local, and Tribal monitoring networks in the United States. The monitoring results for individual air monitors have been evaluated and scored in exactly the same manner as done for monitoring networks overseen by USEPA. Some additional analysis of the pooled data has been conducted by USEPA to assist the GDF in identifying areas for improvement and data quality trends.

The authors of this report are committed to providing technical feedback, upon reasonable request, to assist the GDF in making improvements to the Atmospheric Monitoring System (*Sistema de Monitoreo Atmosférico* (SIMAT)).

III. Background

This section provides background on the organizations and procedures used during this audit. The reader who is familiar with these may want to skip to Subsection E which summarizes previous audits of the GDF.

A. Secretaría del Medio Ambiente del Gobierno del Distrito Federal (GDF)

The Secretariat of the Environment of the Federal District Government (*Secretaría del Medio Ambiente del Gobierno del Distrito Federal*) is responsible for environmental policies and programs, including implementing local and federal laws, in the Mexico City metropolitan area (Federal District and adjoined municipalities in the State of Mexico). The GDF became the primary organization responsible for ambient air monitoring in the Mexico City area in 1993 when the automatic ambient air monitoring network (RAMA) was transferred to the DF.

Prior to the early 1970's, air quality monitoring in Mexico City was part of the Normalized Pan American Sampling Network (*Red Panamerican de Muestreo Normalizado*). In 1971, Mexico passed the Law for Preventing and Controlling Environmental Contamination, (*Ley para Prevenir y Controlar la Contaminatión Ambiental*). In 1972 the Subsecretary for Environmental Improvement (Subsecretaría de Mejoramiento del Ambiente) was created under the Secretary of Health. These events led to the creation of a 48 station National monitoring network, with 22 of these stations being in the Mexico City air basin.

Currently the Mexico City Atmospheric Monitoring System (SIMAT) consists of 54 monitoring stations, a support laboratory, an environmental information center, and an information technology support center. Monitoring is further segregated into an Automatic Monitoring Network (RAMA) (see Figure 1 and Table 1), a Manual Particulate Monitoring Network, an Atmospheric Deposition Network, and a Meteorological Network. With the support of the environmental information center and the information technology support center, monitoring data are translated daily and hourly into the Metropolitan Area Air Quality Index (*Indice Metropolitano de la Calidad del Aire* (IMECA). The IMECA is widely distributed to public and private sector organizations in the Mexico City area to assist in making public heath decisions.

B. Secretariat of the Environment and Natural Resources (SEMARNAT)

The Secretariat of the Environment and Natural Resources (*Secretaría de Medio Ambiente y Recursos Naturales* (SEMARNAT)) is the primary federal agency responsible for environmental protection in the Country of Mexico. The Subsecratary of Environmental Protection Management (*Subsecretaria de Gestión para la Protección Ambiental*) is the SEMARNAT organizational unit primarily responsible for environmental quality. However, the National Institute of Ecology (*Instituto Nacional de Ecología* (INE)) provides technical and research support for environmental issues (including monitoring).

C. US Environmental Protection Agency (USEPA)

The USEPA has been given the role of *"protecting human health and the environment"* in the United States and its territories and possessions. The USEPA's authority to regulate ambient air emissions is derived from the US Clean Air Act (CAA). USEPA's responsibility, under the Clean Air Act (CAA) as amended in 1990, includes: setting National Ambient Air Quality Standards (NAAQS) for pollutants considered harmful to the public health and environment; ensuring that these air quality standards are met or attained (in cooperation with States) through national standards and strategies to control air emissions from sources; and ensuring that sources of toxic air pollutants are well controlled.

1. Office of Air Quality Planning and Standards (OAQPS)

USEPA's air programs are managed by the Office of Air and Radiation (OAR) of which OAQPS is a part. The Role of OAQPS as defined by the *Quality Assurance Handbook for Air Pollution Measurement Systems (Redbook)*, 1998, is:

OAQPS is the organization charged under the authority of the CAA to protect and enhance the quality of the nation's air resources. OAQPS

sets standards for pollutants considered harmful to public health or welfare and, in cooperation with USEPA's Regional Offices and the States, enforces compliance with the standards through state implementation plans (SIPs) and regulations controlling emissions from stationary sources. OAQPS evaluates the need to regulate potential air pollutants and develops national standards; works with State and local agencies to develop plans for meeting these standards; monitors national air quality trends and maintains a database of information on air pollution and controls; provides technical guidance and training on air pollution control strategies; and monitors compliance with air pollution standards.

The specific monitoring responsibilities of OAQPS are to:

- *ensure that the methods and procedures used in making air pollution measurements are adequate to meet the programs objectives and that the resulting data are of satisfactory quality*
- *operate the National Performance Audit Program (NPAP)*
- *evaluate the performance of organizations making air pollution measurements of importance to the regulatory process*
- *implement satisfactory quality assurance programs over USEPA's Ambient Air Quality Monitoring Network*
- *ensure that guidance pertaining to the quality assurance aspects of the Ambient Air Program are written and revised as necessary*
- *render technical assistance to the USEPA Regional Offices and air pollution monitoring community*

D. USEPA Ambient Air Monitoring Program Audits

1. USEPA Performance Audits and the National Performance Audit Program (NPAP)

Performance audits are intended to independently evaluate the performance of the audited agency's training, site operators, monitoring equipment, calibration equipment, standards, and all operating, calibration, maintenance, quality assurance, quality control, and data processing procedures, including calculation, transfer, and reporting. The most rigorous performance audits would involve independent audit equipment, an independent auditor, and unknown audit concentrations being delivered in a representative air matrix through the inlet of the probe. USEPA uses a system which incorporates many of these concepts to produce robust audit data. On a routine basis, monitoring organizations perform audits using an internal, yet independent, auditor(s) and independent equipment. Gaseous pollutant audits may be accomplished by either adding

challenge gases directly to the instruments or through the inlet of the sampling probe, the preferred method. To supplement these audits USEPA uses a mail-out system called the National Performance Audit Program (NPAP). The NPAP utilizes transportable audit equipment that is designed to deliver audit concentrations that are "blind" (unknown) through the back of the instruments audited. It is advantageous for the monitoring agency to use independent auditors to perform these audits. More recently USEPA has developed a "through the probe" (TTP) audit program. This program utilizes independent (USEPA staff or contractors) auditors using a vehicle equipped to perform audits through the sampling probe. This TTP system has the advantage, over the initial NPAP, of testing the whole sampling system using independent staff and giving real time results. The concentration of audit gas used in the TTP system is not blind to the auditor, but is still blind to the station operator.

The mailed NPAP audits are conducted using auditing equipment that has been demonstrated reliable when transported by commercial freight shipping and verifiable. The audit devices are shipped in rugged cases containing rigid molded vibration insulation. The cases include a continuous zero air generation system (which includes a pump and three different scrubbing cartridges), a US National Institute of Standards and Technology (NIST) traceable gas standard cylinder, and/or an Ozone generator, and an adjustable mixing and dilution system. The equipment is certified and sent to the auditing agency by a USEPA support contractor. Independence is preserved, even for the audit equipment operator. The support contractor provides audit-specific instructions with the devices that tell the audit operator what settings to use for each audit test point, but not what concentrations the settings will generate, and not how to calculate the concentrations with the data that the auditor or station operator has. The devices are NIST-traceably certified by the audit support contractor to audit at three concentrations as well as to evaluate the instrument's zero.

The results of the NPAP audit are assessed by USEPA's NPAP support contractor. This assessment includes verification that the audit devices are functioning properly both before their initial shipment to the audited agency and upon return. The audited agency's data are evaluated based on percent difference from the audit concentrations. The acceptance criterion for gaseous pollutants is 15% mean absolute difference and 15% for each concentration of each pollutant at each monitoring site. Monitors that exceed this criterion clearly require corrective action. Monitoring agencies should also assess the need for systematic changes. Also reported are the results for individual audit concentrations, linearity, and blank evaluations. This additional information should be considered by agencies when evaluating the

need for corrective action and/or for their quality improvement process.

2. Technical System Audits (TSAs) and Management System Reviews (MSRs)

Technical System Audits (TSAs) and Management System Reviews (MSRs) are reviews intended to evaluate how well the established quality system is working. These types of audits can be performed by independent internal or external auditors.

Technical System Audits, as the name implies, are technical in nature. They are used to verify that appropriate technical and quality control procedures have been established and are being followed. For air monitoring organizations, some areas which are audited include:

- written procedures
- documentation
- monitoring network design
- site appropriateness/siting requirements
- instrument operation
- laboratory procedures
- sample/data custody
- data handling systems
- data processing and calculation
- quality control
- performance audit system

Management System Reviews are evaluations of how the QA program is working. These audits evaluate the overall quality system and do not effectively identify technical defects with the system. MSRs include the evaluation of:

- organizational structure
- quality policy
- quality manager empowerment and effectiveness
- quality documentation
- corrective actions
- training and qualifications of staff
- commitment to quality by management and staff
- overall effectiveness of the quality system

E. History of Audits of Mexico City's Air Monitoring Program

USEPA and Mexico City have worked to improve the quality of the monitoring system in Mexico City since before 2001. Staff from the USEPA ORD provided periodic performance audits of the Mexico City's air

monitoring network prior to 2001. An audit was conducted in October of 2000, and evaluated the performance for 14 monitoring stations. Additionally a “mini” system audit was conducted in 2000, which formed the basis for improvements that the City has since made. In late 2003 a more thorough performance and system audit was performed. The final report was released in 2004, the predecessor report to this current report. This 2005 report does not include a system audit; rather this report focuses exclusively on the performance of the system under remote audit conditions.

Table 1

Mexico City's Atmospheric Monitoring System
Automatic Ambient Air Monitoring Network Stations

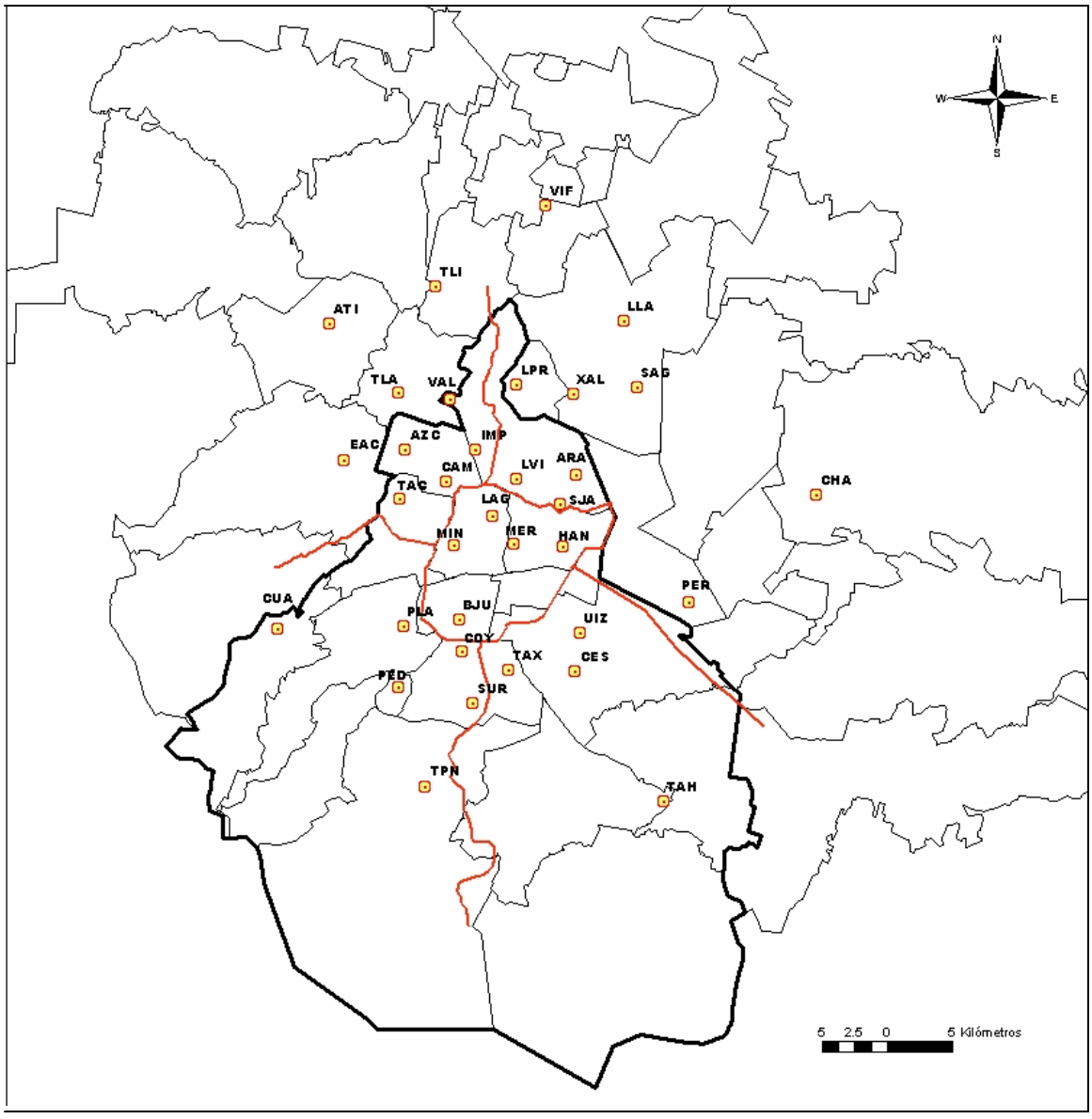
Actual Instrumentation

Zone	Station Name	Initials	O_3	CO	SO_2	NOx	PM_{10}	$PM_{2.5}$
Northwest	Vallejo	VAL		■	■			
	Tacuba	TAC	■	■	■	■		
	ENEP Acatlán	EAC	■	■	■	■	■	
	Azcapotzalco	AZC	■	■	■	■		
	Tlalnepantla	TLA	■	■	■	■	■	■
	I. M. P.	IMP		■				
	Tultitlán	TLI		■	■	■	■	
	Atizapán	ATI		■	■	■		
	Cuitlahuac	CUI		■				
	Camarones	CAM						■
Northeast	Los Laureles	LLA			■			
	La Presa	LPR			■			
	La Villa	LVI			■		■	
	San Agustín	SAG	■	■	■	■	■	■
	Xalostoc	XAL	■	■	■	■	■	
	Aragón	ARA		■	■			
	Nezahualcoyotl	NET		■	■		■	
	Villa de las Flores	VIF		■	■	■	■	
	Chapingo	CHA	■					
	Perla Reforma	PER						■
	San Juan de Aragón	SJA						■
Center	Lagunilla	LAG	■	■	■	■		
	Merced	MER	■	■	■	■	■	■
	Hangars	HAN	■	■	■	■	■	
	Benito Juárez	BJU	■	■	■	■		
	Metro Insurgentes	MIN		■				
Southwest	Santa Ursula	SUR	■	■	■	■	■	
	Pedregal	PED	■	■	■	■	■	
	Plateros	PLA	■	■	■	■	■	
	Cuajimalpa	CUA	■					
	Tlalpan	TPN	■					
Southeast	Coyoacán	COY						■
	Cerro de la Estrella	CES	■	■	■	■	■	
	UAM Iztapalapa	UIZ	■	■	■	■		■
	Taxqueña	TAX	■	■	■	■	■	
	Tlahuac	TAH	■		■		■	

Figure 1

Mexico City's Atmospheric Monitoring System
Automatic Ambient Air Monitoring Network Map

Actual Coverage



Federal District Limits
Adjoined Municipalities in the State of Mexico

IV. Performance Audit Results

To evaluate the GDF's gaseous monitoring network, USEPA utilized NPAP audit devices. Five parameters were audited, Ozone (O_3), Nitric Oxide (NO), Nitrogen Dioxide (NO_2) Carbon Monoxide (CO), and Sulfur Dioxide (SO_2). The 2005 audit included NO_2 analysis, rather than analyzing NO as being representative of NO_x. A NPAP audit system including a dilution manifold, audit gas cylinder, ozone generator, and zero air generator was sent to Mexico City for use by GDF personnel in conducting the NPAP audits. The NPAP audit system was set up and calibrated for the audit prior to being sent to the GDF. Upon receiving the equipment, the GDF audit personnel conducted evaluations of their gaseous monitors. These evaluations were conducted "blind," meaning that GDF personnel were not informed of the concentrations they were delivering to their instruments. The results of the NPAP evaluations of each monitor was generated by GDF personnel and sent to USEPA. USEPA performed a statistical assessment of the accuracy the Federal District's monitoring devices, from which the quality of data the GDF is collecting was evaluated.

Each monitor was evaluated at three audit concentrations, and "zero air" was generated to confirm the instrument's baseline. These concentrations were used to determine the linearity of each instrument. Each individual concentration was then used to evaluate instrument performance for bias at high, medium, and low levels. At the conclusion of the tests, the mean absolute (MA) percent difference (%D) was calculated for the instrument by averaging the %D values for the three concentrations. The acceptance criterion for these individual tests was <15% MA %D.

Two deviations from the standard NPAP protocol occurred during this round of audits. The GDF did not use the zero air scrubber provided with the NPAP device substituting it with a GDF zero air scrubber. Additionally, insufficient pressure remained in the compressed gas cylinder to perform a post audit check of cylinder calibration. USEPA determined that these variances from the standard procedure are not expected to impact the quality of the audit data.

The results presented in Appendix B give percent difference (%D) for each audit point, blank results, linearity, and MA %D, as prepared by USEPA's NPAP support contractor. The audit result summary sections that follow note individual monitor excedances of the 15 %D criterion for mean absolute difference.

USEPA also evaluated the potential for the network to have monitors outside of the 15% acceptance criterion (overall system performance). This was done by calculating the mean and the standard deviation of each audit concentration and of MA %Ds for each pollutant across all monitoring stations. This information was used to calculate the potential range of values which represent 96% of normally distributed data (two standard deviations from the mean). If this range exceeded the 15% criterion it is noted in the following sections.

These results were compared to the performance data collected using the NPAP devices in November and December of 2003. A summary of the MA %D data is also presented graphically in Figures 2 through 9. Each station audited is identified by acronym presented from Table 1.

A. Audits conducted in 2005

1. Ozone (O_3)

USEPA evaluated the data from ozone monitor audits of sixteen monitoring locations. All ozone monitors were within the acceptable range. The mean absolute %Ds ranged from 2.4 at the Santa Ursula (SUR) to 11.8 at the Hangares (HAN) station. Additionally, when evaluating each audit concentration result across monitors, the 96% probability (average MA%D plus two standard deviations) was below the 15 %D criterion. These results are summarized in Figure 2.

2. Nitric Oxide (NO)

USEPA evaluated the nitric oxide data from oxides of nitrogen monitors at fifteen monitoring locations and at the GDF laboratory. The mean absolute %Ds ranged from 2.6 at the Santa Ursula (SUR) station to 31.1 at the Tacuba (TAC) station. Three of the audits exceeded the 15%D criterion acceptable limit; both audits of the Tacuba station and one of the laboratory monitor were outside the acceptable limit. Additionally, when evaluating each audit concentration result across monitors, the 96% probability was 25.3%, significantly above the 15 %D criterion. If the three exceeding audits are removed from the statistical evaluation the 96% probability is 15.0%. These results are summarized in Figure 4.

3. Nitrogen Dioxide (NO_2)

USEPA evaluated the nitrogen dioxide data from oxides of nitrogen monitors at fifteen monitoring locations and at the GDF laboratory. The mean absolute %Ds ranged from 6.3 at the laboratory monitor to 28.1 at the Tacuba (TAC) station. Eight of the audits exceeded the 15%D criterion acceptable limit. Additionally, when evaluating each audit concentration result across monitors, the 96% probability was 25.3%, significantly above the 15 %D criterion. The average MA %D also exceeded the criterion at 15.3%. These results are summarized in Figure 5.

4. Carbon Monoxide (CO)

USEPA evaluated carbon monoxide data from fifteen monitoring locations and at the GDF laboratory. The mean absolute %Ds ranged from 2.3 at the Pedgreal (PED) Station to 11.4 at the Lagunilla (LAG) station. Additionally, when evaluating each audit concentration result across monitors, the 96% probability was 11.1%, which is consistent with the highest observed MA %D and within the 15 %D criterion. These results are summarized in Figure 3.

5. Sulfur Dioxide (SO_2)

USEPA evaluated sulfur dioxide data from sixteen monitoring locations and the sulfur dioxide monitor at the GDF laboratory. The mean absolute %Ds ranged from 0.5 at the Hangares (HAN) station to 26.7 at the Merced (MER) station. The Xalostoc (XAL) and the Merced stations were outside the acceptable range at 22.0 and 26.7 MA %D, respectively. Additionally, when evaluating each audit concentration result across monitors, the 96% probability was 22.9%, significantly above the 15 %D criterion. If the two exceeding audits are removed from the statistical evaluation the 96% probability is 16.5%. These results are summarized in Figure 6.

B. Comparison to audit conducted in November 2003 by the USEPA

The USEPA audit from 2003 found somewhat similar results. On both occasions the network's performance for ozone and carbon monoxide were within normal error tolerances supporting high quality monitoring data for the Mexico City air shed. Ozone data exhibited a slight high bias as compared to the 2003 audits. Carbon monoxide data was very similar for both rounds of audits with the bias observed shifting from slightly positive to slightly negative. As was the case for the previous audits, sulfur dioxide measurements exhibited acceptable accuracy at all concentrations except the lowest audit concentration, with an improvement in bias and a degradation of precision since the 2003 audit. The nitric oxide data also was similar with the exception of one site, Tacuba, which appeared to be an outlier. As with carbon monoxide the nitric oxide bias shifted from slightly positive to slightly negative. Nitrogen dioxide was not audited in 2003 so no comparison can be made.

C. Evaluation

1. Ozone (O_3)

The audits conducted by the GDF using the USEPA audit system found a slight high bias in the monitors measured which was well within the expect method's error tolerance. Generally the ozone precision was good across all audit concentrations.

2. Nitric Oxide (NO)

The nitric oxide audit data indicates the potential for a low bias. If the results from the Tacuba (TAC) site and the first test of the laboratory equipment are excluded from the statistical analysis the precision of the network appears to be good.

3. Nitrogen Dioxide (NO_2)

The nitrogen dioxide data exhibits a significant low bias across all stations (the first audit of the Tacuba site appears to be an anomaly). If the data from the first Tacuba and laboratory monitor audits are excluded the nitrogen dioxide precision is acceptable. Converter efficiency was evaluated for several audits and found to be acceptable. However, due to the NPAP audit procedure only the highest audit concentration can be adequately evaluated for converter efficiency.

4. Carbon Monoxide (CO)

The carbon monoxide audit data indicates slight low bias, especially at the lowest concentration level. The precision of the carbon monoxide network is good.

5. Sulfur Dioxide (SO_2)

The sulfur dioxide audit data do not indicate any significant bias in the monitoring network. However, the sulfur dioxide precision is poor especially at the lowest audit concentration.

V. System Evaluation

USEPA did not conduct a system evaluation at this time. A system evaluation requires an on-site visit to the facilities, the laboratory, and a close examination of the personnel during their operation of the equipment in the field and laboratory. USEPA

recommends that systems evaluations be conducted by an external party at least once every three years.

VI. CY 2005 Audit Conclusion

The Mexico City ozone and carbon monoxide networks continue to operate within acceptable error tolerances. The sulfur dioxide network accuracy was slightly outside of expected error tolerance with the lowest concentration audited having the most imprecision. Given that the instruments and analysis have higher margins of error at low concentrations, this presents little risk of misinforming the public about public health issues. As the region works to further reduce sulfur emissions, the accuracy of the readings takes on greater significance in determining the sectors where sulfur reductions will most benefit air quality. The nitric oxide data indicated that the network was operating within acceptable limits with the exception of the monitor at the Tacuba (TAC) station. The nitrogen dioxide data indicated that network may have a significant low bias. The GDF may wish to further evaluate converter efficiency in light of the nitrogen dioxide results. Additionally it should be noted that because this is the first time GDF performed nitrogen dioxide audits using the NPAP devices, and the bias observed was more that of nitric oxide using the same instruments, this bias might be an artifact of the audit system and not representative of the Mexico City network.

Figure 2 Ozone Mean Absolute Percent Difference

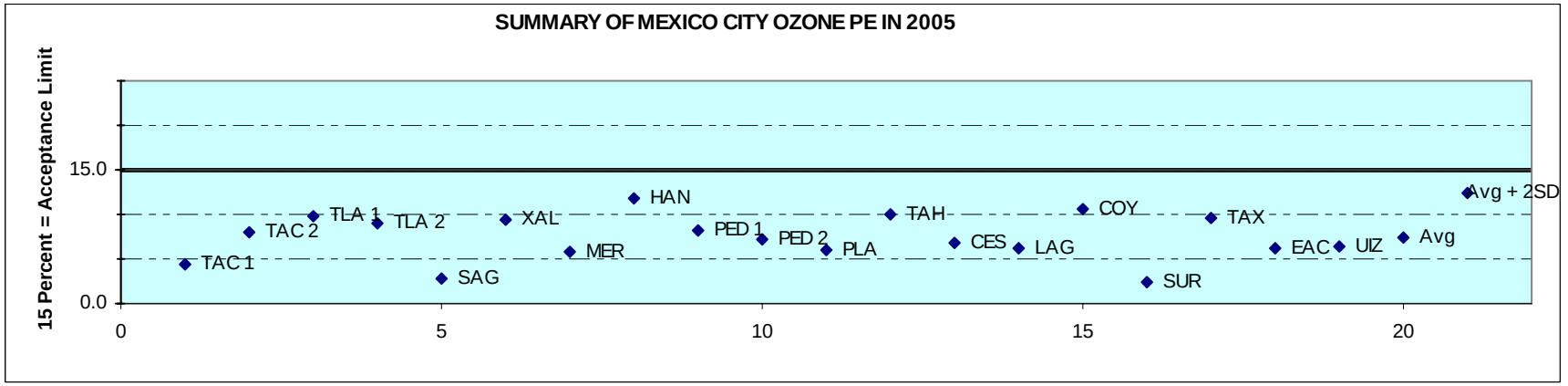


Figure 3 Carbon Monoxide Mean Absolute Percent Difference

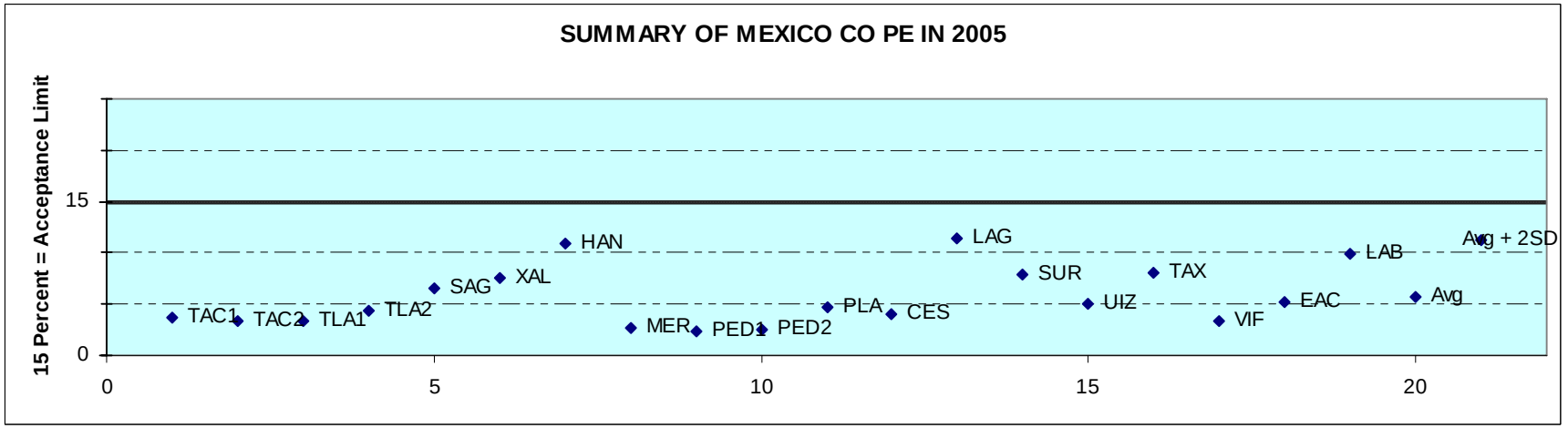


Figure 4 Nitric Oxide Mean Absolute Percent Difference

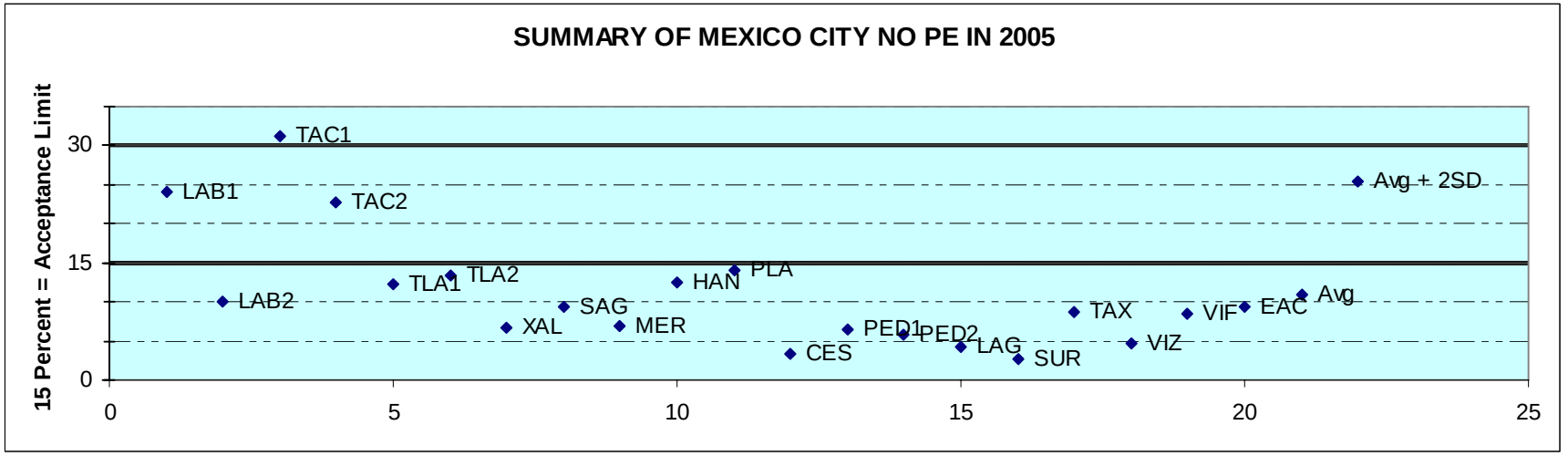


Figure 5 Nitrogen Dioxide Mean Absolute Percent Difference

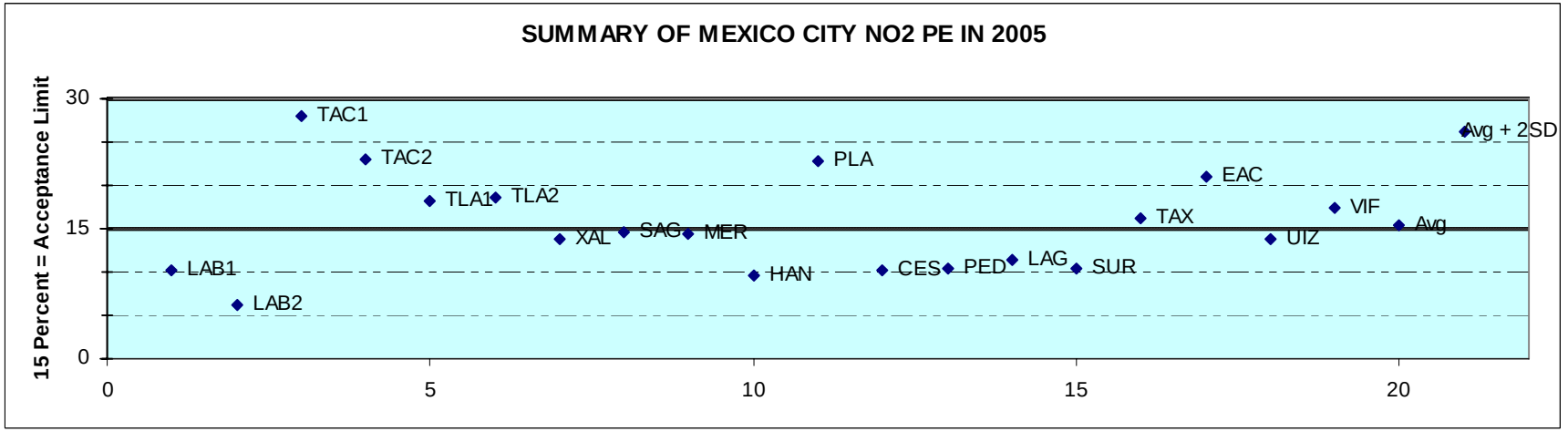
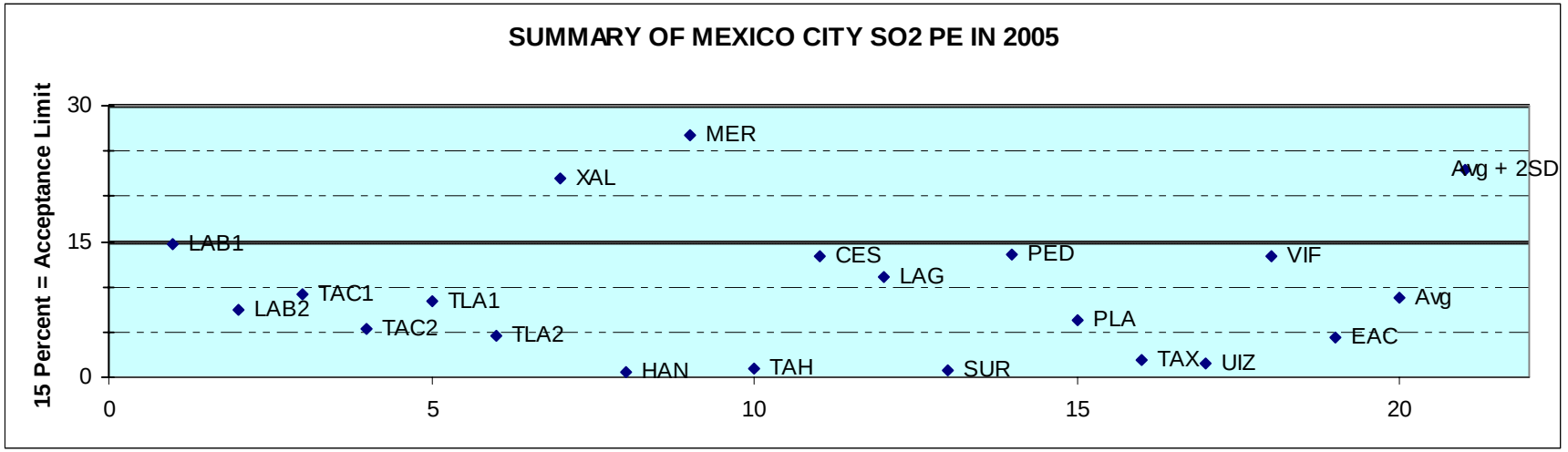


Figure 6 Sulfur Dioxide Mean Absolute Percent Difference



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/03/2005

7ME031 C 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

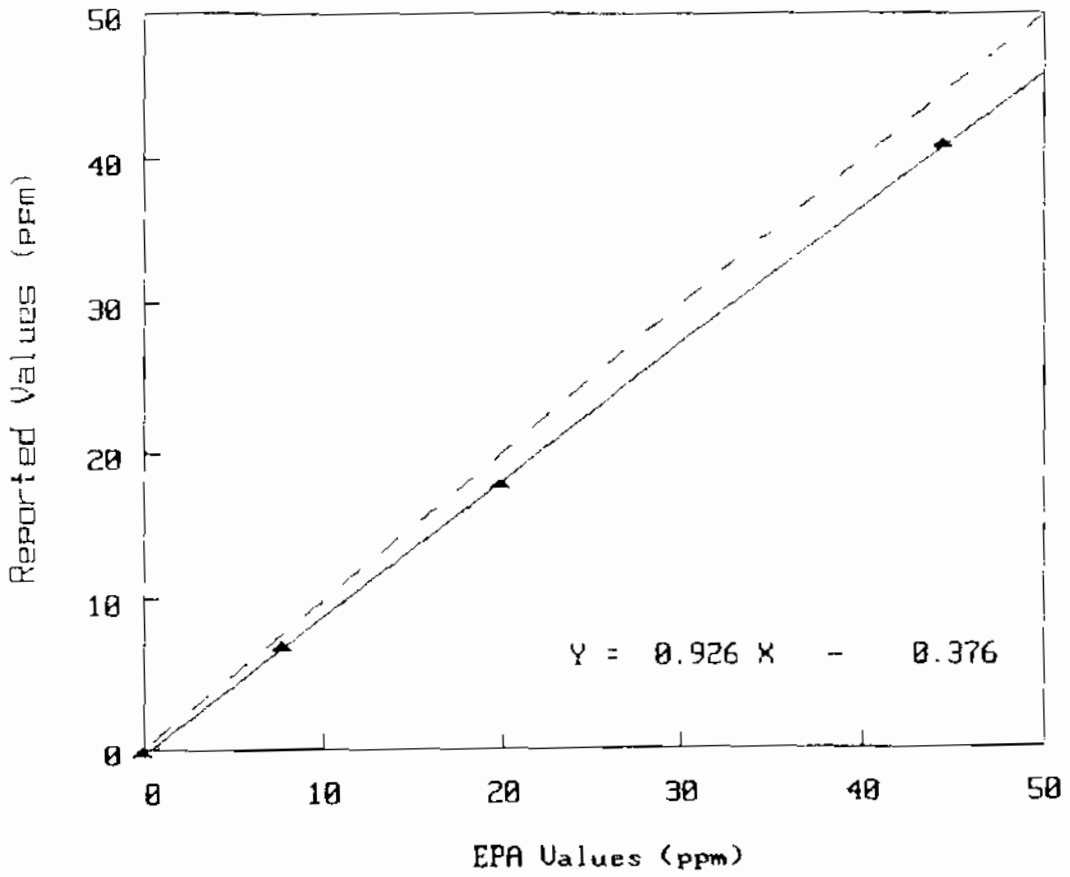
AIRS Site Number:
Your Site ID: LAB
Monitor Serial #: 1781.

Audit Date: 05/02/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	41.00	44.57	-3.57	-8.0
Med	17.80	19.95	-2.15	-10.8
Low	6.90	7.75	-0.85	-11.0
Zero	-0.30	0.00	-0.30	----

Mean Absolute % Difference = 9.9

Slope = 0.926 Intercept = -0.376 r^2 = 0.999882



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

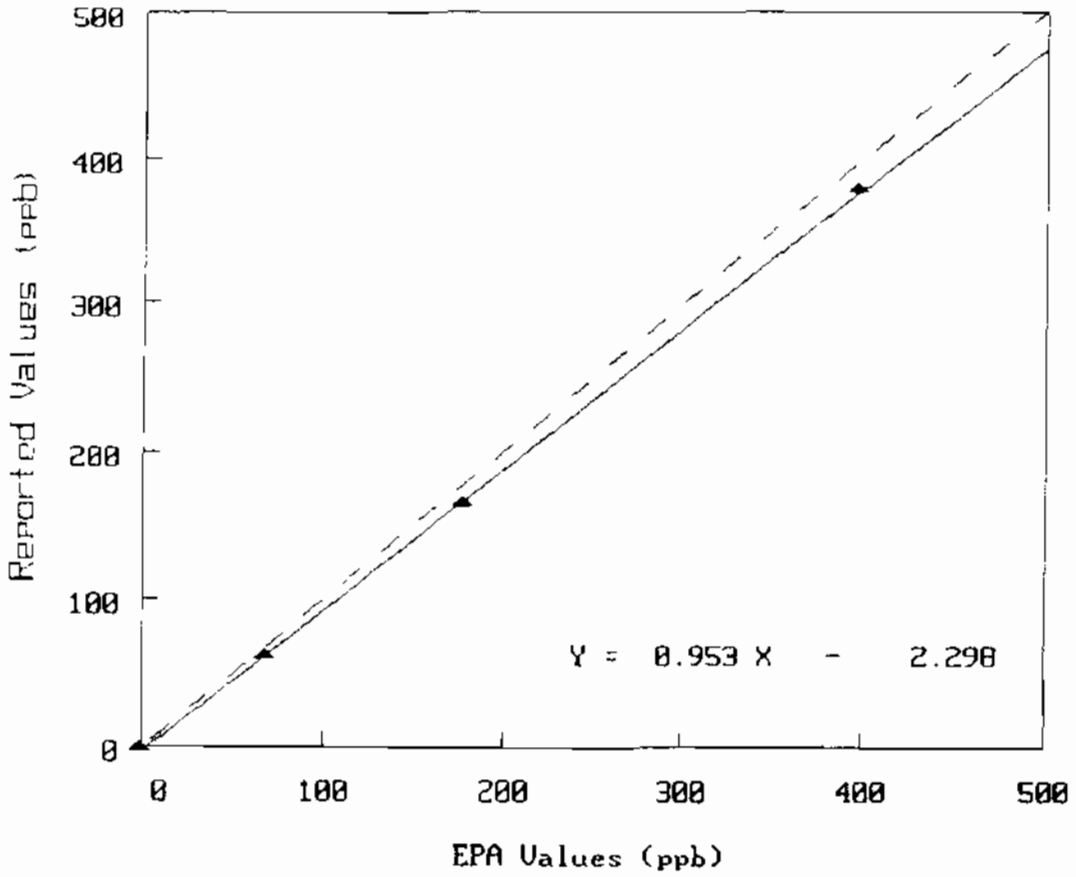
Site Number:
Your Site ID: LAB
Monitor Serial #: 1707

Audit Date: 05/02/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	379.20	398.94	-19.74	-4.9
Med	165.10	178.57	-13.47	-7.5
Low	62.30	69.34	-7.04	-10.2
Zero	0.40	0.00	0.40	----

Mean Absolute % Difference = 7.5

Slope = 0.953 Intercept = -2.298 r^2 = 0.999772



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

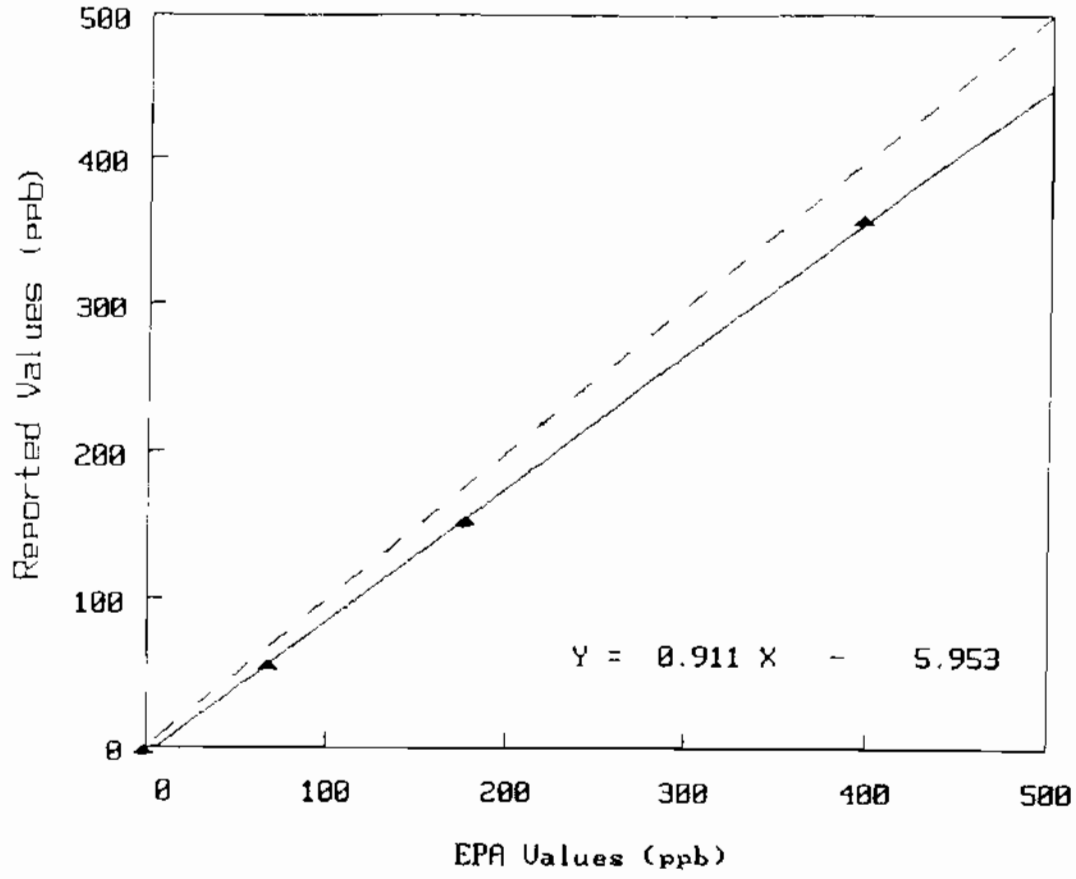
Site Number:
Your Site ID. LAB
Monitor Serial #: 1707.

Audit Date: 04/15/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	ppb			
High	359.00	398.94	-39.94	-10.0
Med	154.00	178.57	-24.57	-13.8
Low	55.20	69.34	-14.14	-20.4
Zero	-2.80	0.00	-2.80	----

Mean Absolute % Difference = 14.7

Slope = 0.911 Intercept = -5.953 r^2 = 0.999687



AIRS Site Number: Audit Date: 05/02/2005

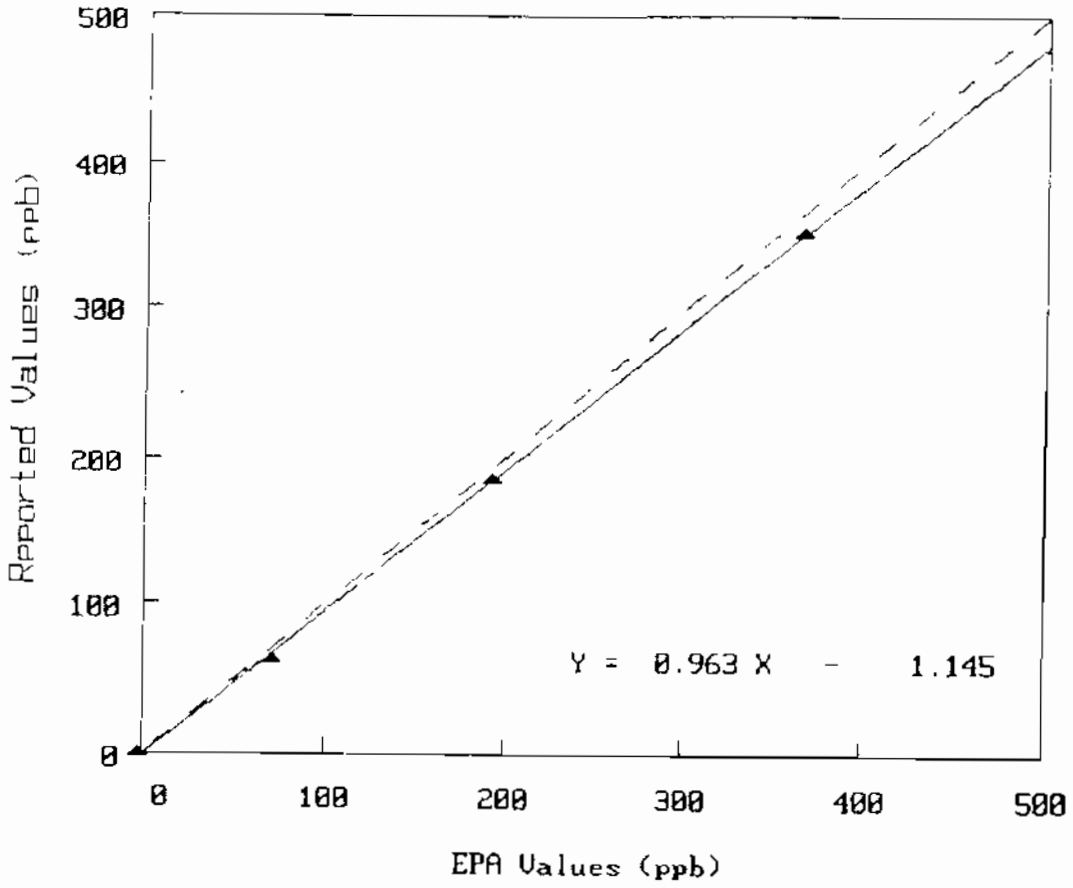
Monitor Serial #: 2356 Device No.: 40396

Your Site ID: LAB

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
730	353.40	367.00	-13.60	-3.7
525	186.10	194.70	-8.60	-4.4
440	63.90	71.70	-7.80	-10.9
Zero	0.60	-1.70	2.30	----

Mean Absolute % Difference = 6.3

NO_2 Slope = 0.963 Intercept =-1.145 r^2 = 0.999603



AIRS Site Number: Audit Date: 04/15/2005

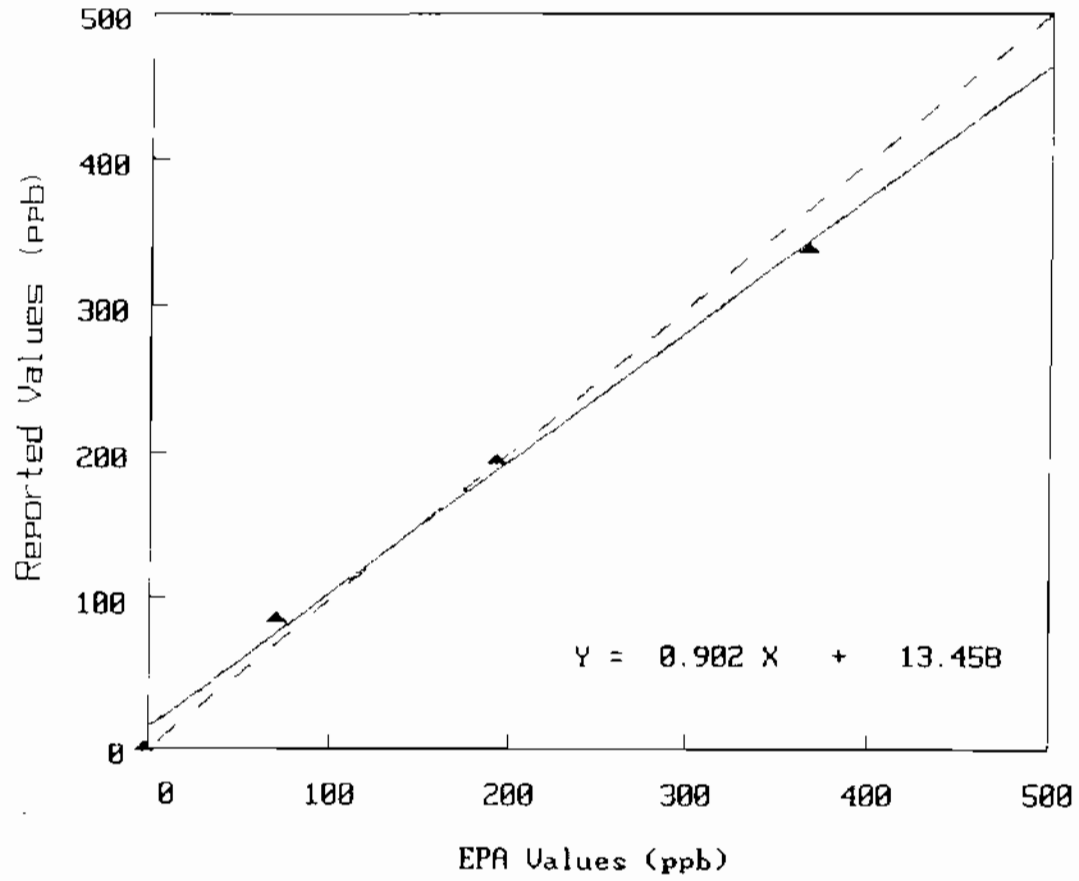
Monitor Serial #: 2356. Device No.: 40396

Your Site ID: LAB

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
730	339.20	367.00	-27.80	-7.6
525	195.50	194.70	0.80	0.4
440	88.20	71.70	16.50	23.0
Zero	0.90	-1.70	2.60	----

Mean Absolute % Difference = 10.3

NO_2 Slope = 0.902 Intercept =13.458 r^2 = 0.995419



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

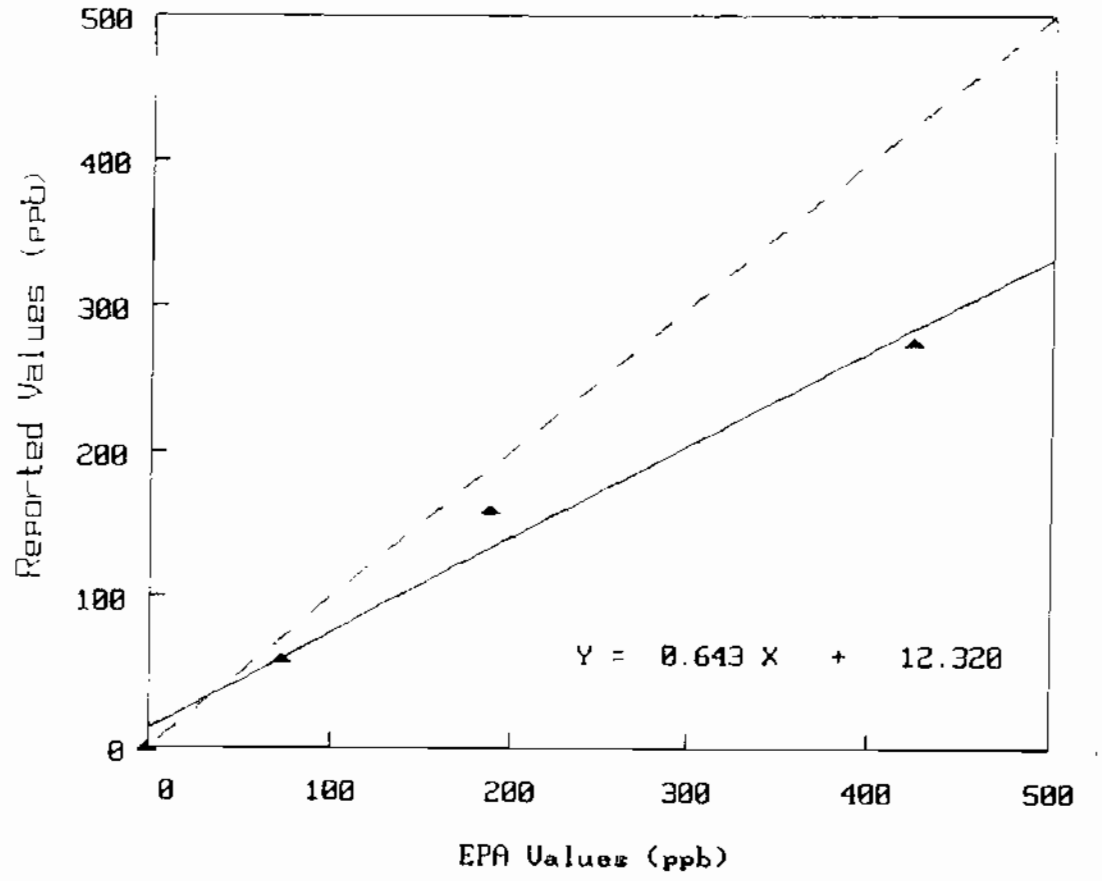
AIRS Site Number:
Monitor Serial #: 2356.
Site ID: LAB

Audit Date: 04/15/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
High	274.80	425.17	-150.37	-35.4
Med	159.20	190.31	-31.11	-16.3
Low	58.80	73.90	-15.10	-20.4
Zero	-0.40	0.00	-0.40	----

Mean Absolute % Difference = 24.0

NO Slope = 0.643 Intercept = 12.320 r^2 = 0.979805



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

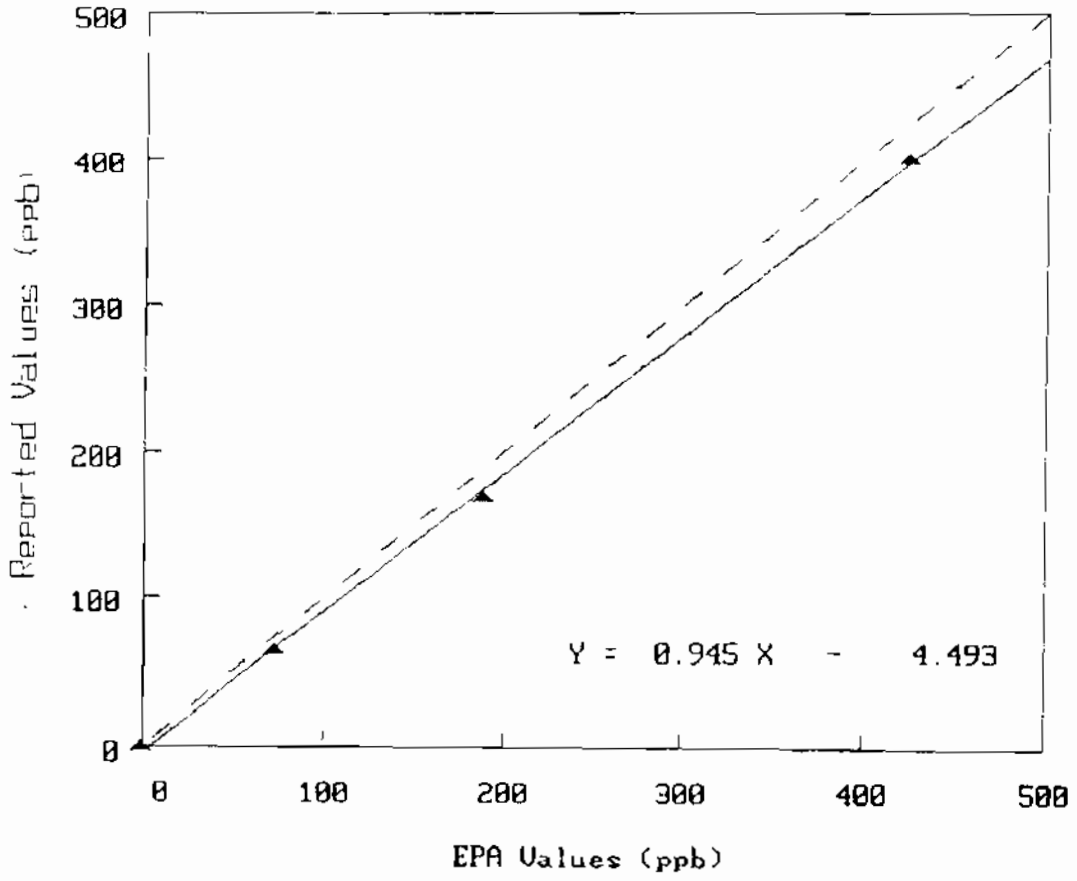
AIRS Site Number:
Monitor Serial #: 2356
Site ID: LAB

Audit Date: 05/02/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
High	400.10	425.17	-25.07	-5.9
Med	170.20	190.31	-20.11	-10.6
Low	63.80	73.90	-10.10	-13.7
Zero	-0.30	0.00	-0.30	----

Mean Absolute % Difference = 10.0

NO Slope = 0.945 Intercept = -4.493 r^2 = 0.999414



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

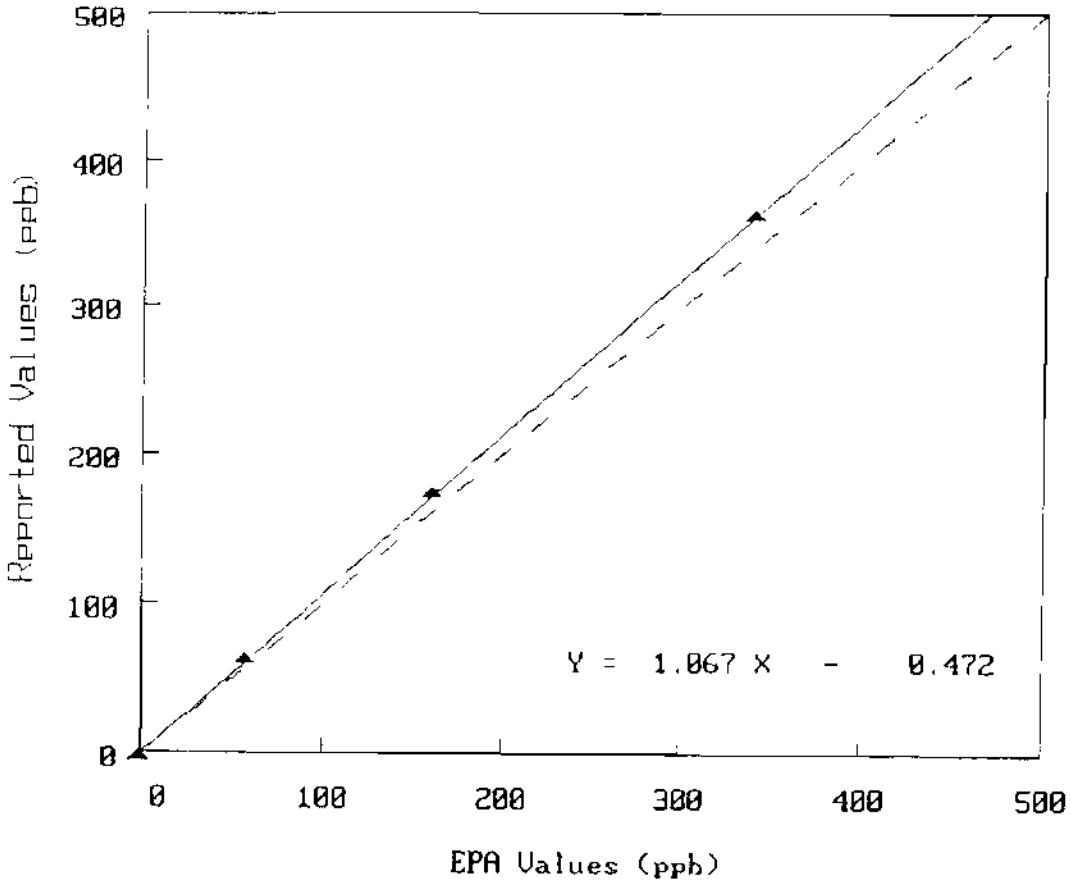
Actual values adjusted for site barometric pressure: 586.67 mm Hg

AIRS Site Number: Audit Date: 04/18/2005
Monitor Serial #: 444 Audit Device No.: 40396
Your Site ID: TAC

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-3.0	0.5	-3.5	----
690	363.0	341.7	21.3	6.2
525	174.0	161.8	12.2	7.5
440	64.0	58.1	5.9	10.2

Mean Absolute % Difference = 8.0

Slope = 1.067 Intercept = -0.472 r^2 = 0.999739



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

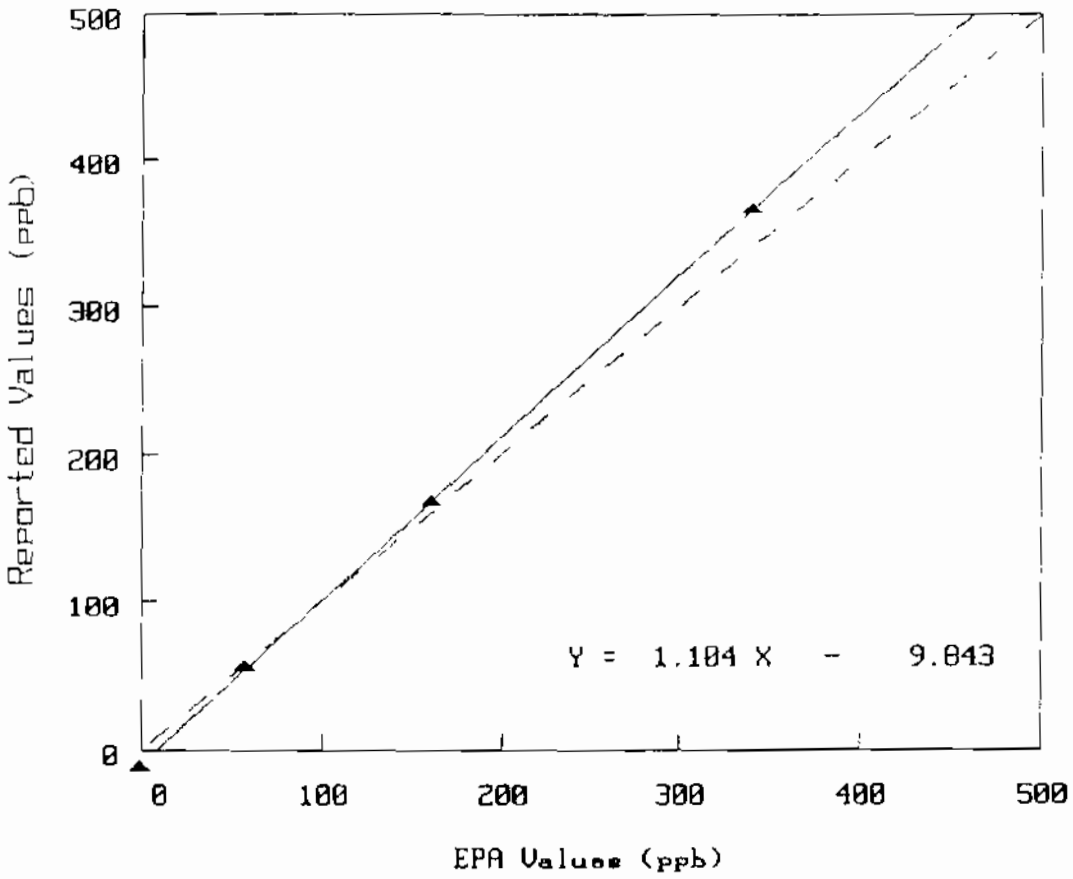
Actual values adjusted for site barometric pressure: 584.14 mm Hg

AIRS Site Number: Audit Date: 04/12/2005
Monitor Serial #: 444. Audit Device No.: 40396
Your Site ID: TAC

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - -)			
0	-12.0	0.5	-12.5	----
690	366.0	341.2	24.8	7.3
525	169.0	161.5	7.5	4.6
440	57.0	58.0	-1.0	-1.7

Mean Absolute % Difference = 4.5

Slope = 1.104 Intercept = -9.843 r^2 = 0.999804



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

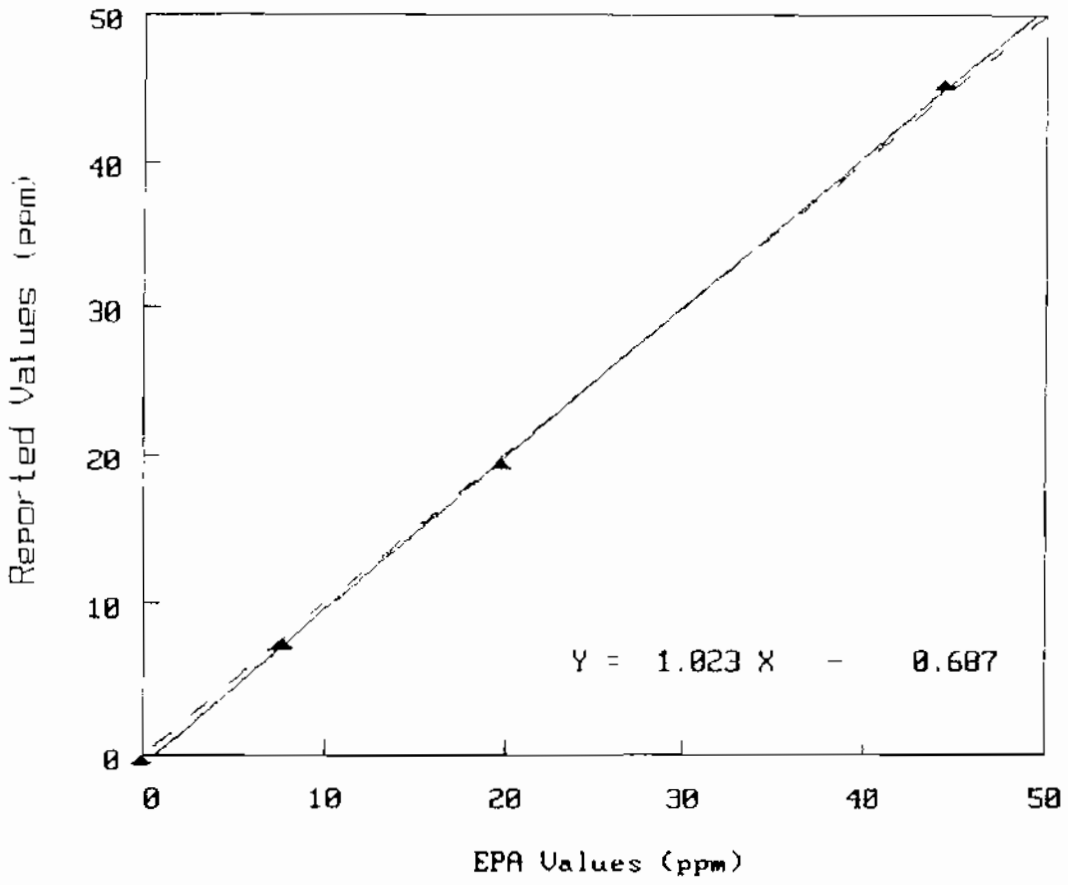
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID. TAC
Monitor Serial #: 1162

Audit Date: 04/25/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value (TAC)	Actual Value (EPA GRP)	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	45.10	44.57	0.53	1.2
Med	19 30	19.95	-0.65	-3.3
Low	7.30	7.75	-0.45	-5.8
Zero	-0.50	0.00	-0.50	----
		Mean Absolute % Difference	=	3.4

Slope = 1.023 Intercept = -0.687 r^2 = 0.999788



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

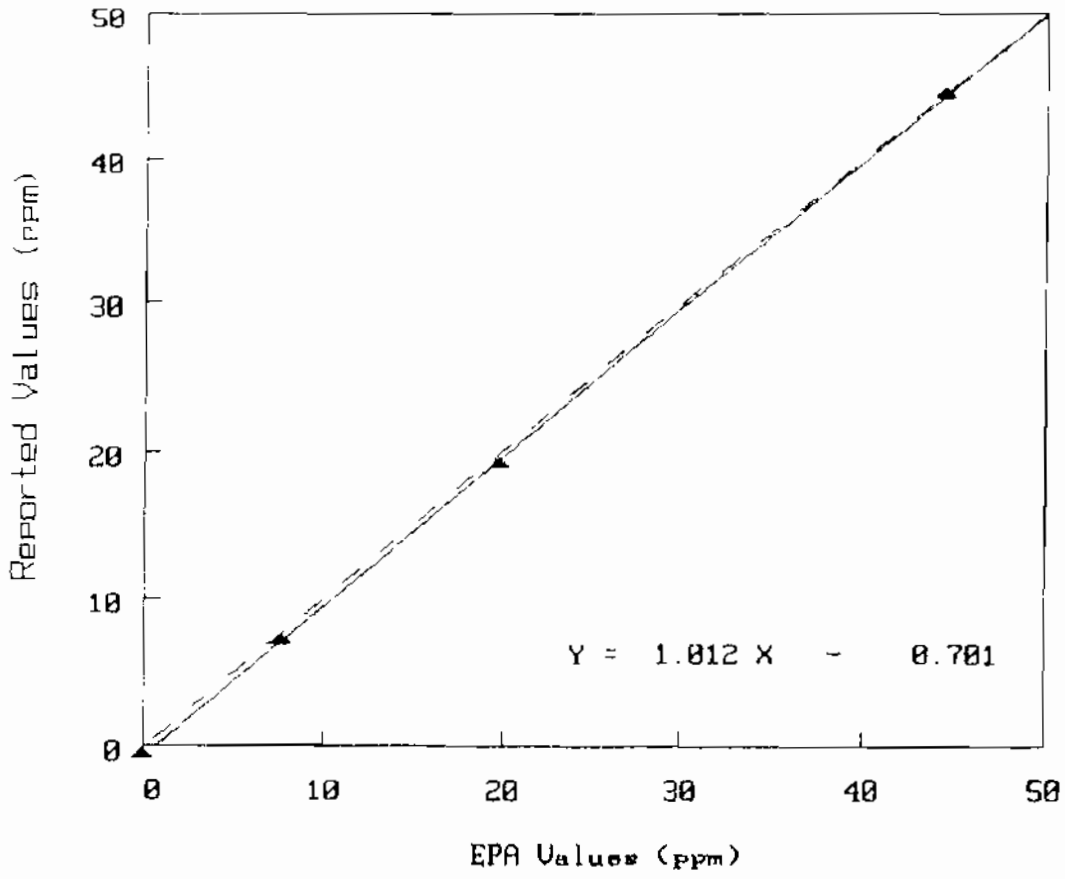
AIRS Site Number:
Your Site ID: TAC
Monitor Serial #: 1162.

Audit Date: 04/18/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - ppm - - - - - - -)			
High	44.50	44.57	-0.07	-0.2
Med	19.20	19.95	-0.75	-3.8
Low	7.20	7.75	-0.55	-7.1
Zero	-0.60	0.00	-0.60	----

Mean Absolute % Difference = 3.7

Slope = 1.012 Intercept = -0.701 r^2 = 0.999909



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

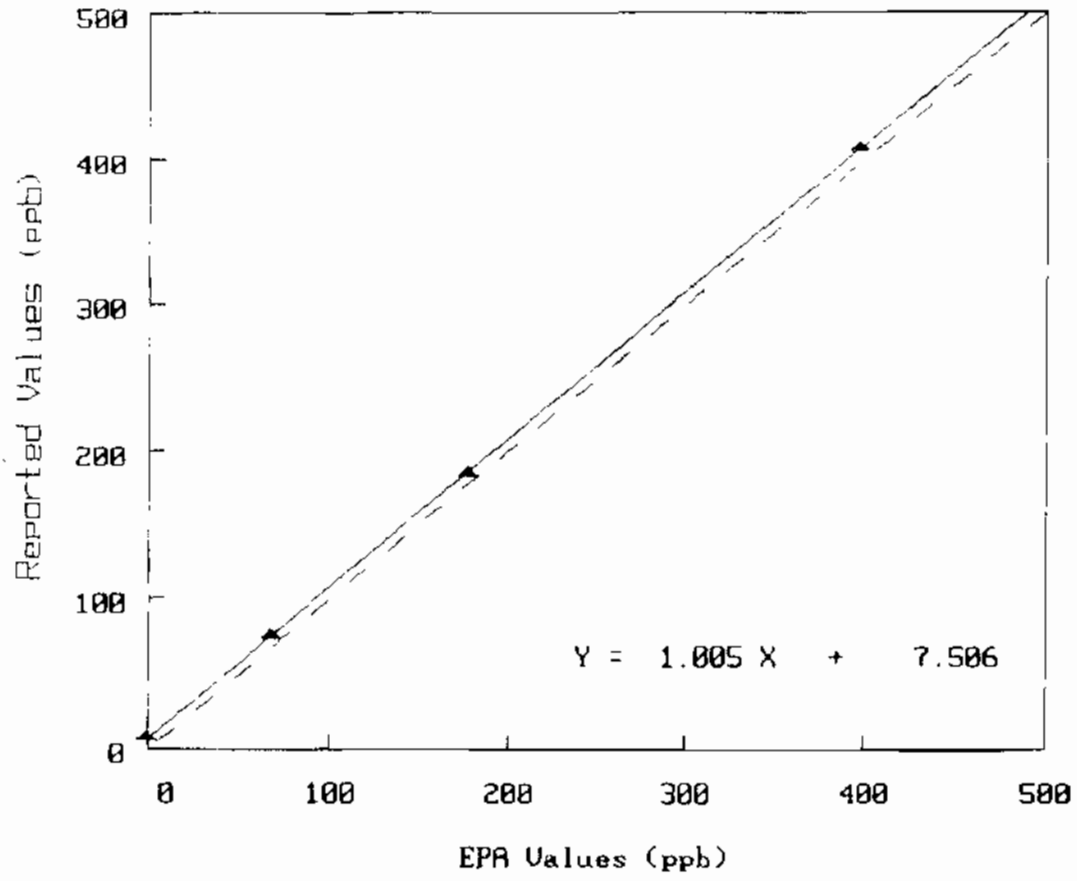
Site Number:
Your Site ID: TAC
Monitor Serial #: 500.

Audit Date: 04/25/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
High	409.00	398.94	10.06	2.5
Med	186.00	178.57	7.43	4.2
Low	76.00	69.34	6.66	9.6
Zero	9.00	0.00	9.00	----

Mean Absolute % Difference = 5.4

Slope = 1.005 Intercept = 7.506 r^2 = 0.999947



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

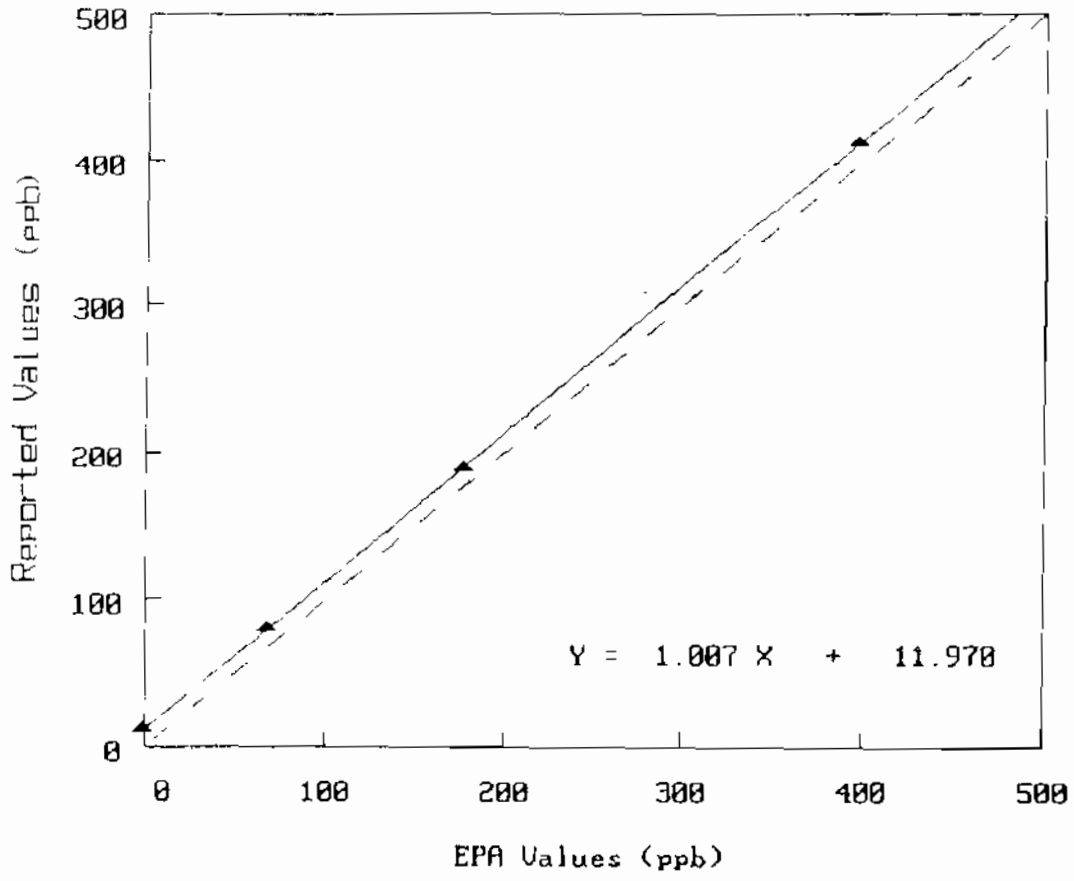
Site Number:
Your Site ID: TAC
Monitor Serial #: 500

Audit Date: 04/18/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	414.00	398.94	15.06	3.8
Med	191.00	178.57	12.43	7.0
Low	81.00	69.34	11.66	16.8
Zero	13.00	0.00	13.00	----

Mean Absolute % Difference = 9.2

Slope = 1.007 Intercept = 11.970 r^2 = 0.999974



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031

Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

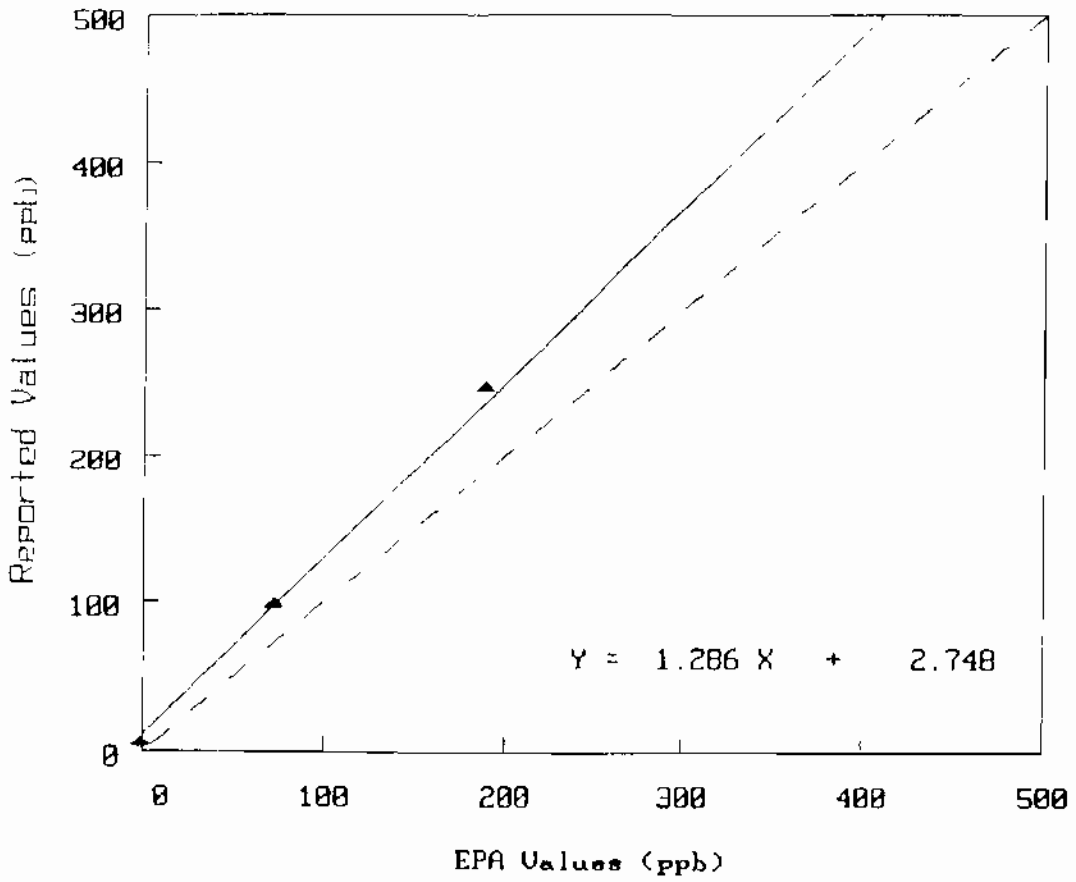
AIRS Site Number:
Monitor Serial #: 215.
Site ID: TAC

Audit Date: 04/18/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	ppb			
High	551.00	425.17	125.83	29.6
Med	247.00	190.31	56.69	29.8
Low	99.00	73.90	25.10	34.0
Zero	6.00	0.00	6.00	----

Mean Absolute % Difference = 31.1

NO Slope = 1.283 Intercept = 4.636 r^2 = 0.999964



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

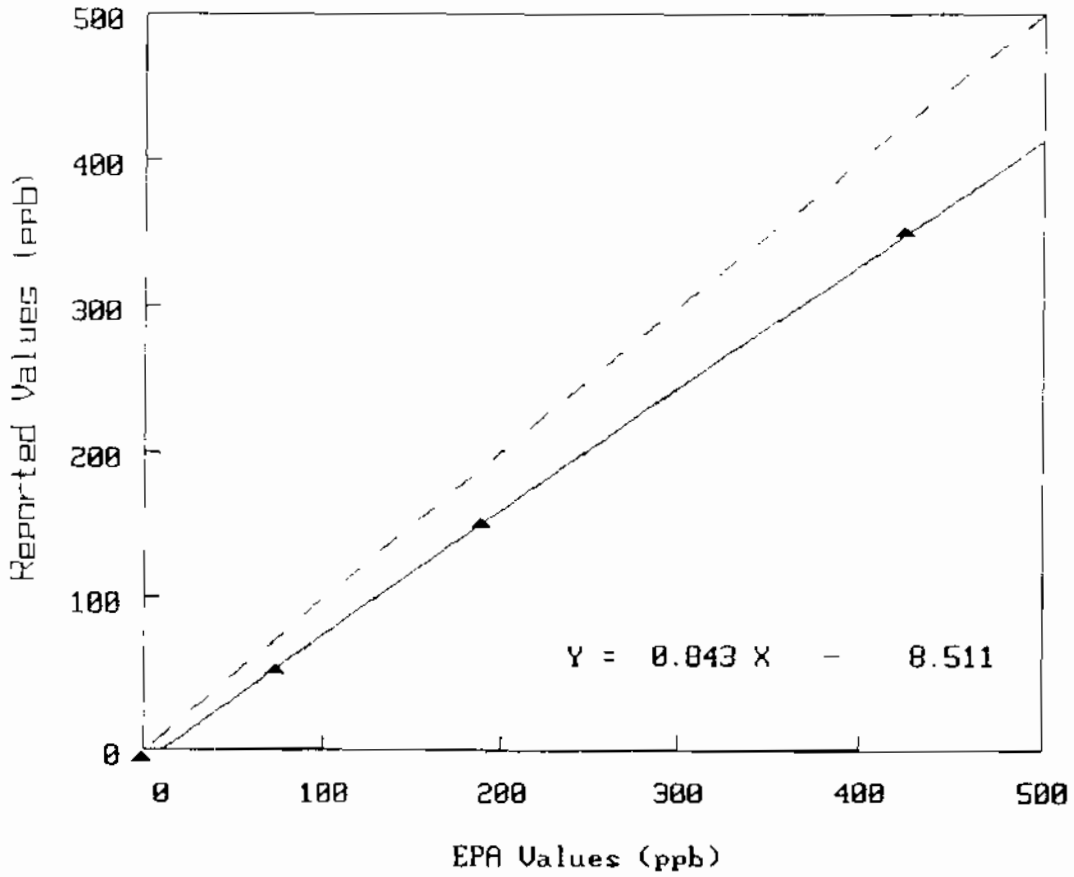
AIRS Site Number:
Monitor Serial #: 215
Site ID: TAC

Audit Date: 04/25/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
High	351.00	425.17	-74.17	-17.4
Med	150.00	190.31	-40.31	-21.2
Low	52.00	73.90	-21.90	-29.6
Zero	-6.00	0.00	-6.00	----

Mean Absolute % Difference = 22.8

NO Slope = 0.843 Intercept = -8.511 r^2 = 0.999805



AIRS Site Number: Audit Date: 04/25/2005

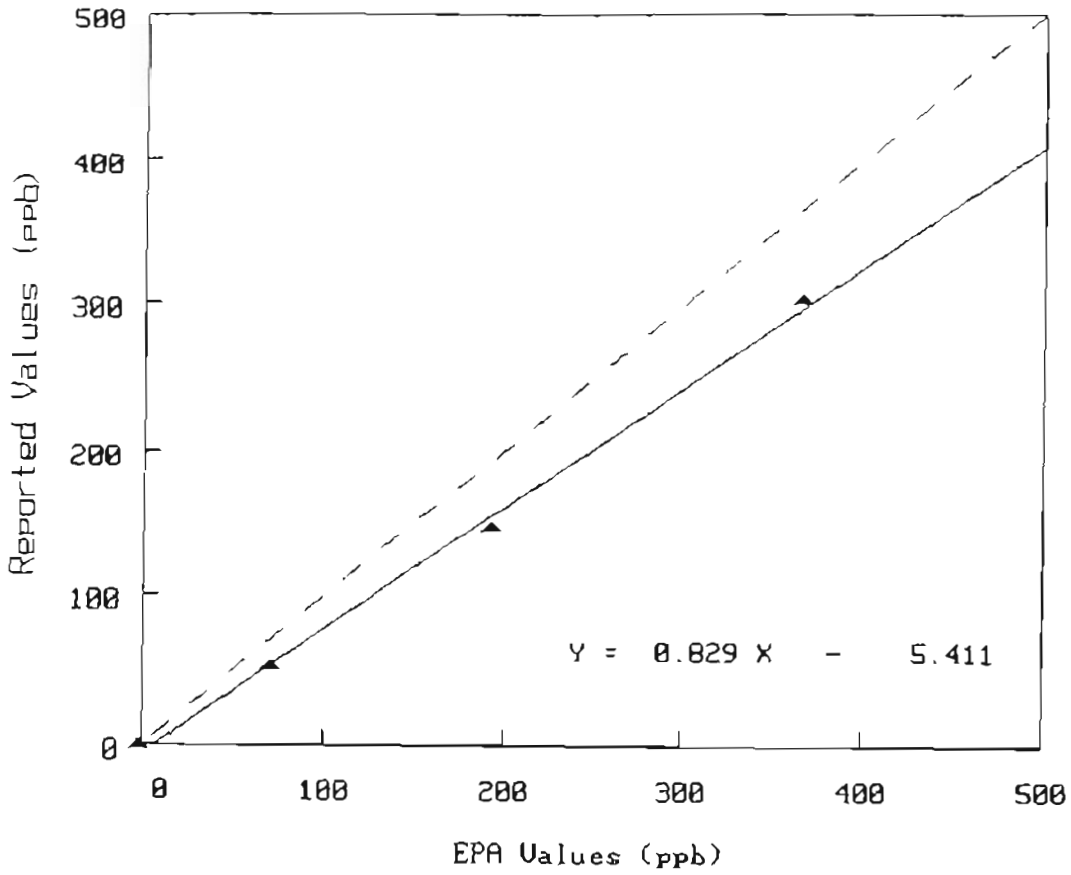
Monitor Serial #: 215 Device No.: 40396

Your Site ID: TAC

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
730	304.00	367.00	-63.00	-17.2
525	147.00	194.70	-47.70	-24.5
440	52.00	71.70	-19.70	-27.5
Zero	-1.00	-1.70	0.70	----

Mean Absolute % Difference = 23.0

NO_2 Slope = 0.829 Intercept =-5.411 r^2 = 0.997290



AIRS Site Number: Audit Date: 04/18/2005

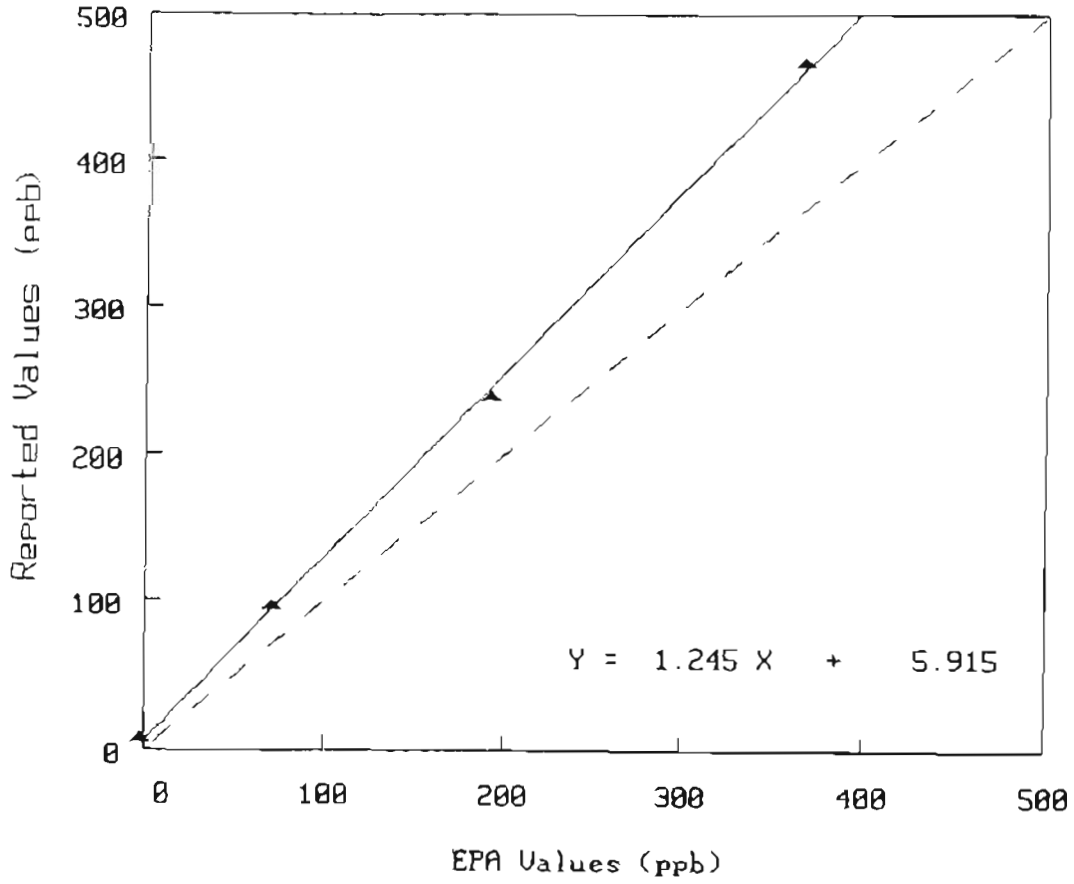
Monitor Serial #: 215. Device No.: 40396

Your Site ID: TAC

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
730	467.00	367.00	100.00	27.2
525	240.00	194.70	45.30	23.3
440	96.00	71.70	24.30	33.9
Zero	7.00	-1.70	8.70	----

Mean Absolute % Difference = 28.1

NO_2 Slope = 1.245 Intercept =5.915 r^2 = 0.999194



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

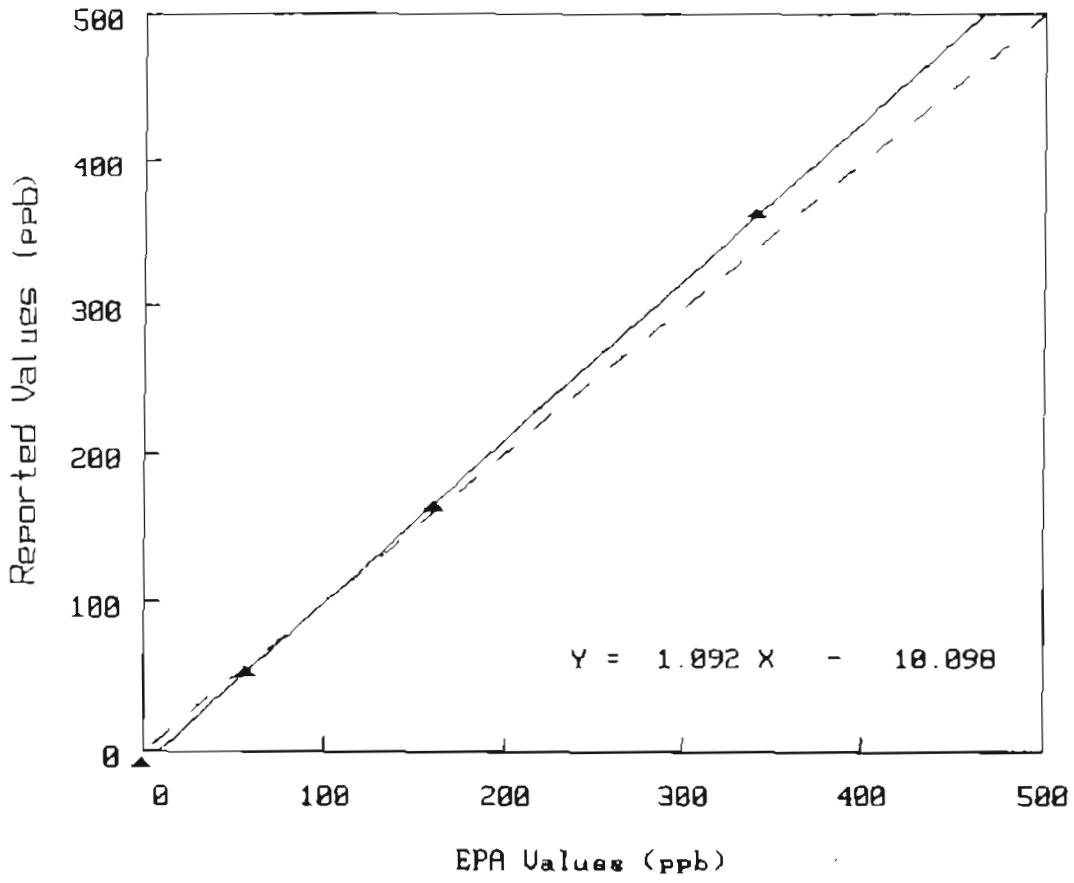
Actual values adjusted for site barometric pressure: 582.87 mm Hg

AIRS Site Number: Audit Date: 04/29/2005
Monitor Serial #: 794 Audit Device No.: 40396
Your Site ID: EAC

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-8.0	0.5	-8.5	----
690	363.0	340.9	22.1	6.5
525	165.0	161.4	3.6	2.2
440	52.0	57.9	-5.9	-10.2

Mean Absolute % Difference = 6.3

Slope = 1.092 Intercept = -10.098 r^2 = 0.999926



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

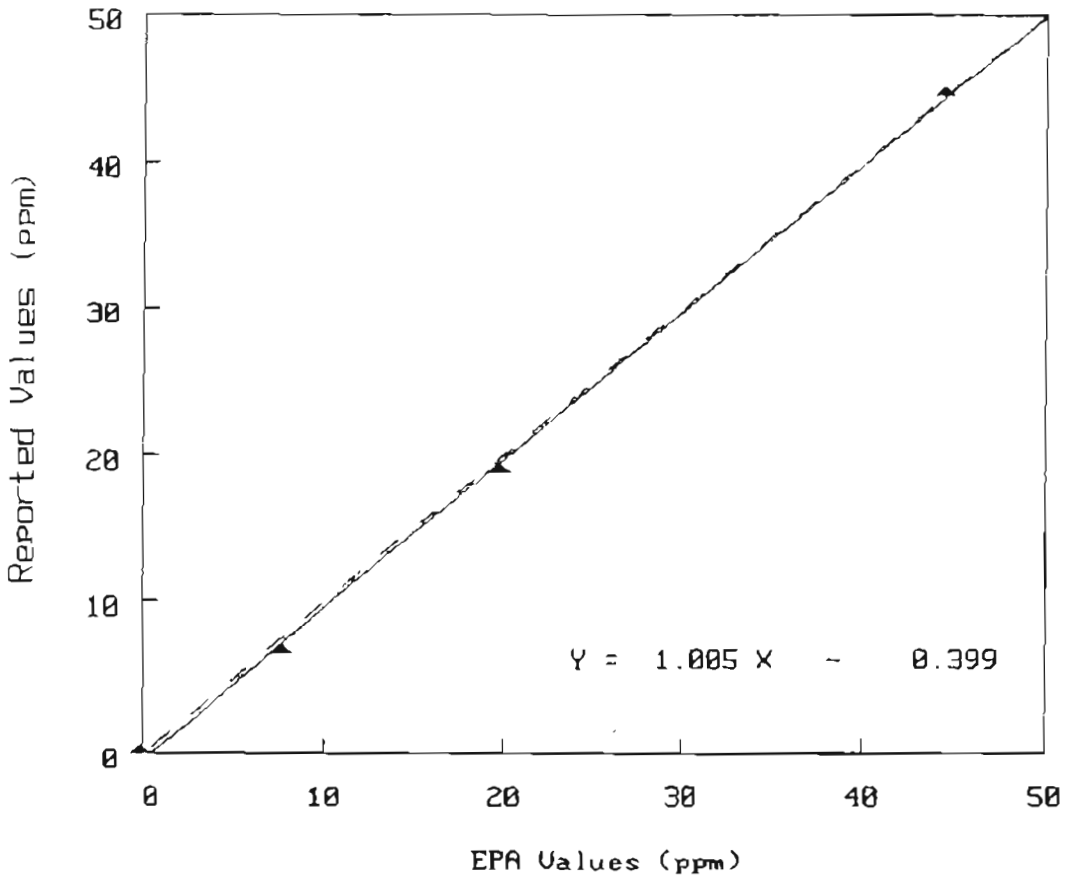
AIRS Site Number:
Your Site ID: EAC
Monitor Serial #: 300

Audit Date: 04/29/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	44.70	44.57	0.13	0.3
Med	19.10	19.95	-0.85	-4.3
Low	6.90	7.75	-0.85	-11.0
Zero	0.30	0.00	0.30	----

Mean Absolute % Difference = 5.2

Slope = 1.005 Intercept = -0.399 r^2 = 0.999025



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

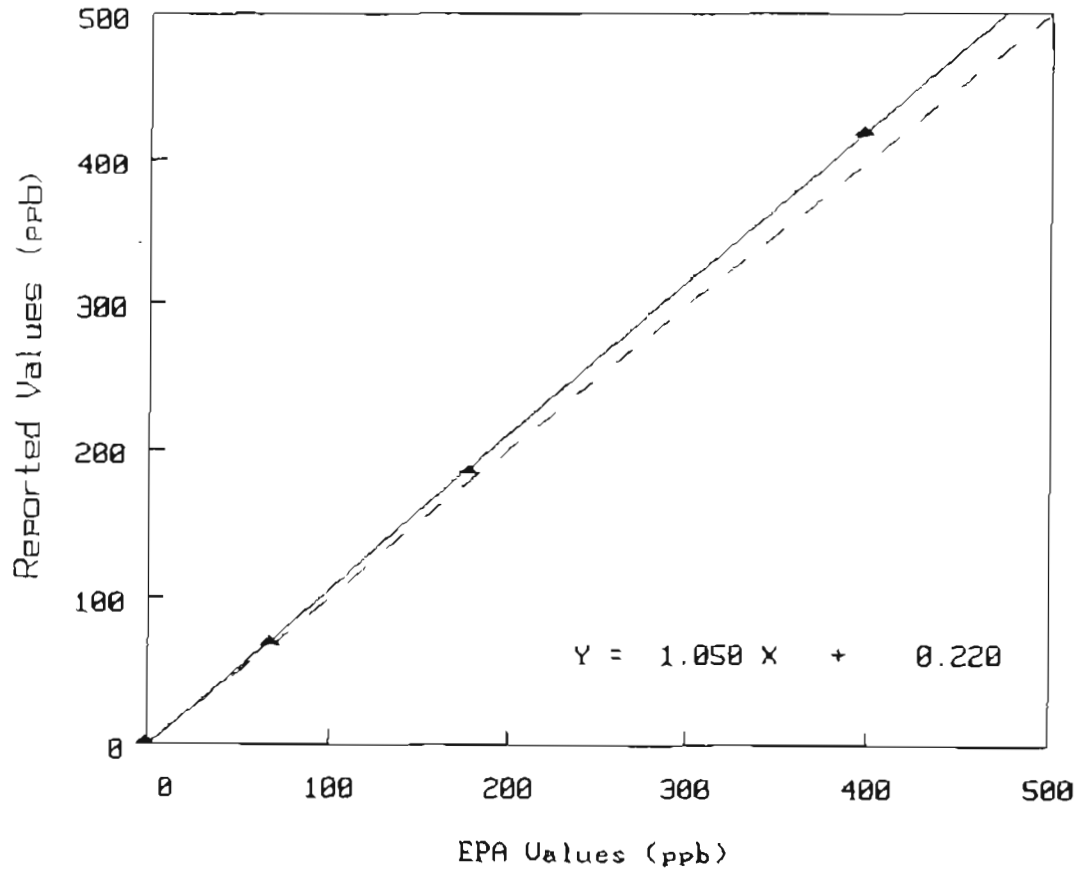
Site Number:
Your Site ID: EAC
Monitor Serial #: 235

Audit Date: 04/29/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
High	420.00	398.94	21.06	5.3
Med	186.00	178.57	7.43	4.2
Low	72.00	69.34	2.66	3.8
Zero	2.00	0.00	2.00	----

Mean Absolute % Difference = 4.4

Slope = 1.050 Intercept = 0.220 r^2 = 0.999921



Results of NO2 Continuous Audit

for 1st Quarter 2005

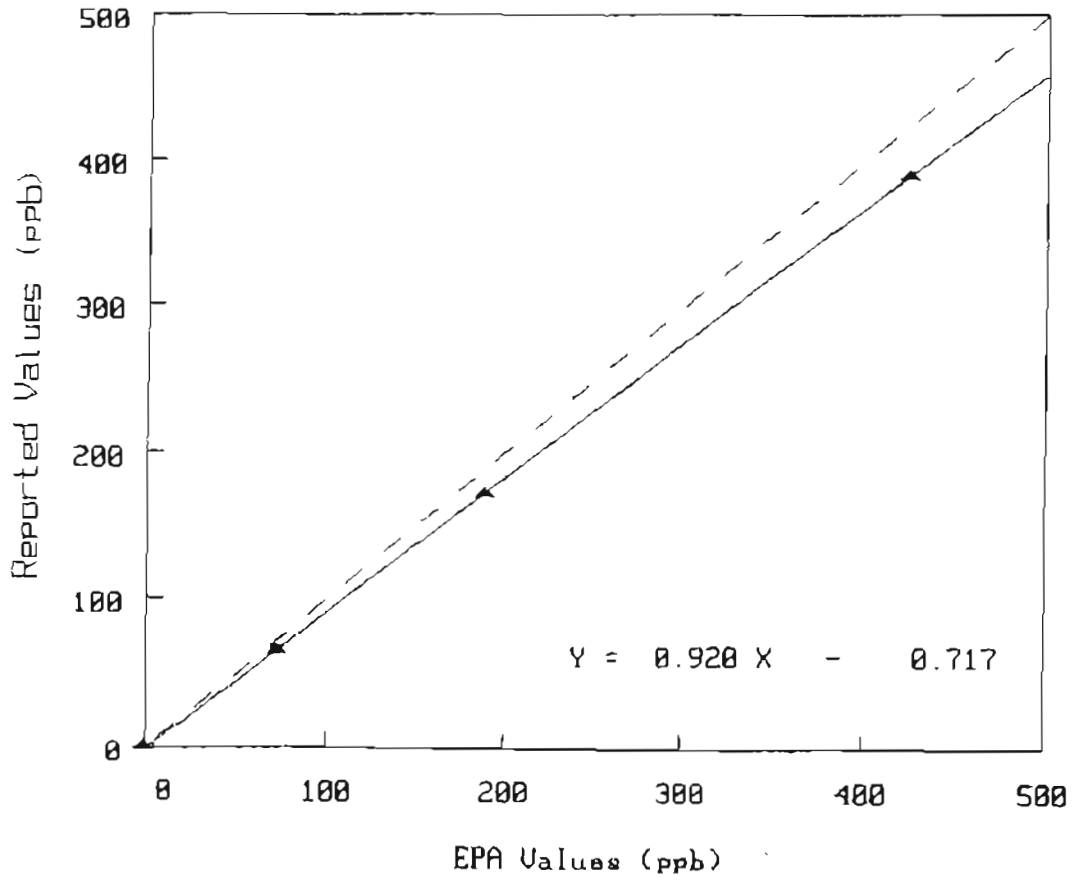
06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number: Audit Date: 04/29/2005
Monitor Serial #: 577 NO Cyl. No.: FF11036
Site ID: EAC Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	391.00	425.17	-34.17	-8.0
Med	173.00	190.31	-17.31	-9.1
Low	66.00	73.90	-7.90	-10.7
Zero	1.00	0.00	1.00	----
	Mean Absolute % Difference = 9.3			

NO Slope = 0.920 Intercept = -0.717 r^2 = 0.999924



AIRS Site Number: Audit Date: 04/29/2005

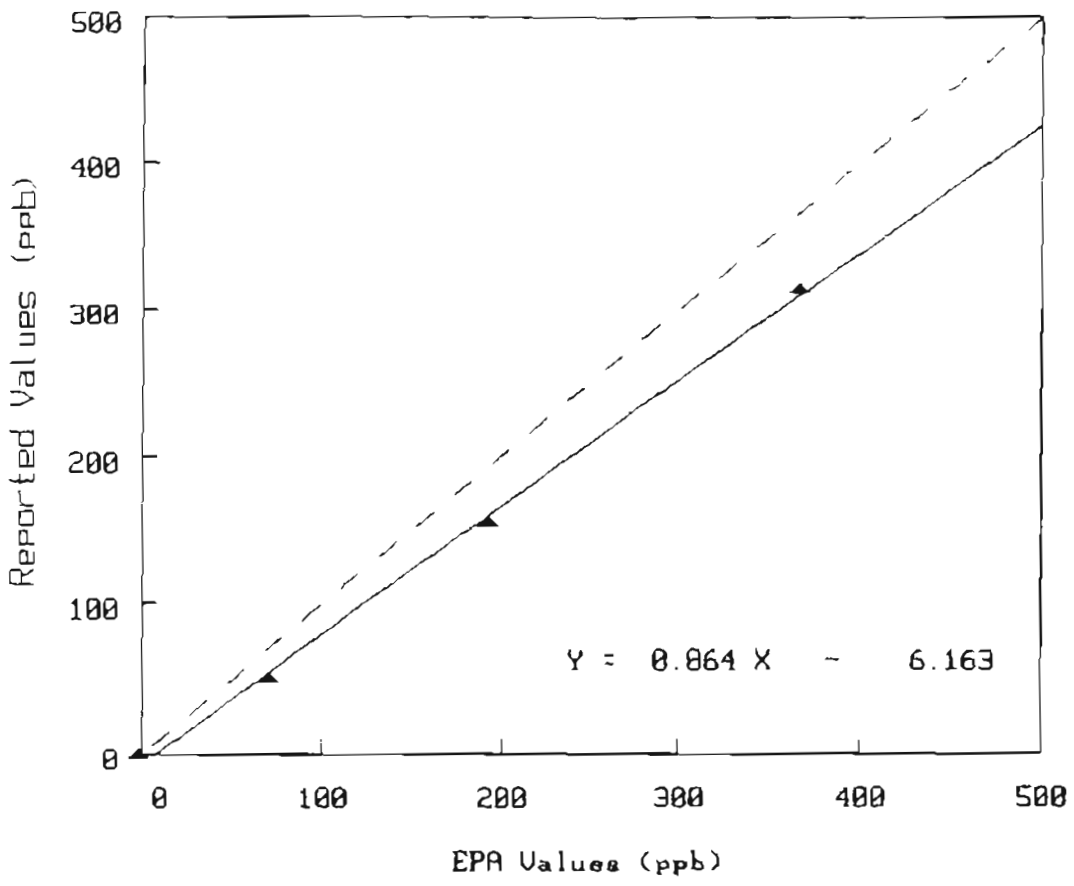
Monitor Serial #: 577 Device No.: 40396

Your Site ID: EAC

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
730	315.00	367.00	-52.00	-14.2
525	156.00	194.70	-38.70	-19.9
440	51.00	71.70	-20.70	-28.9
Zero	-1.00	-1.70	0.70	----

Mean Absolute % Difference = 21.0

NO_2 Slope = 0.864 Intercept =-6.163 r^2 = 0.997939



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

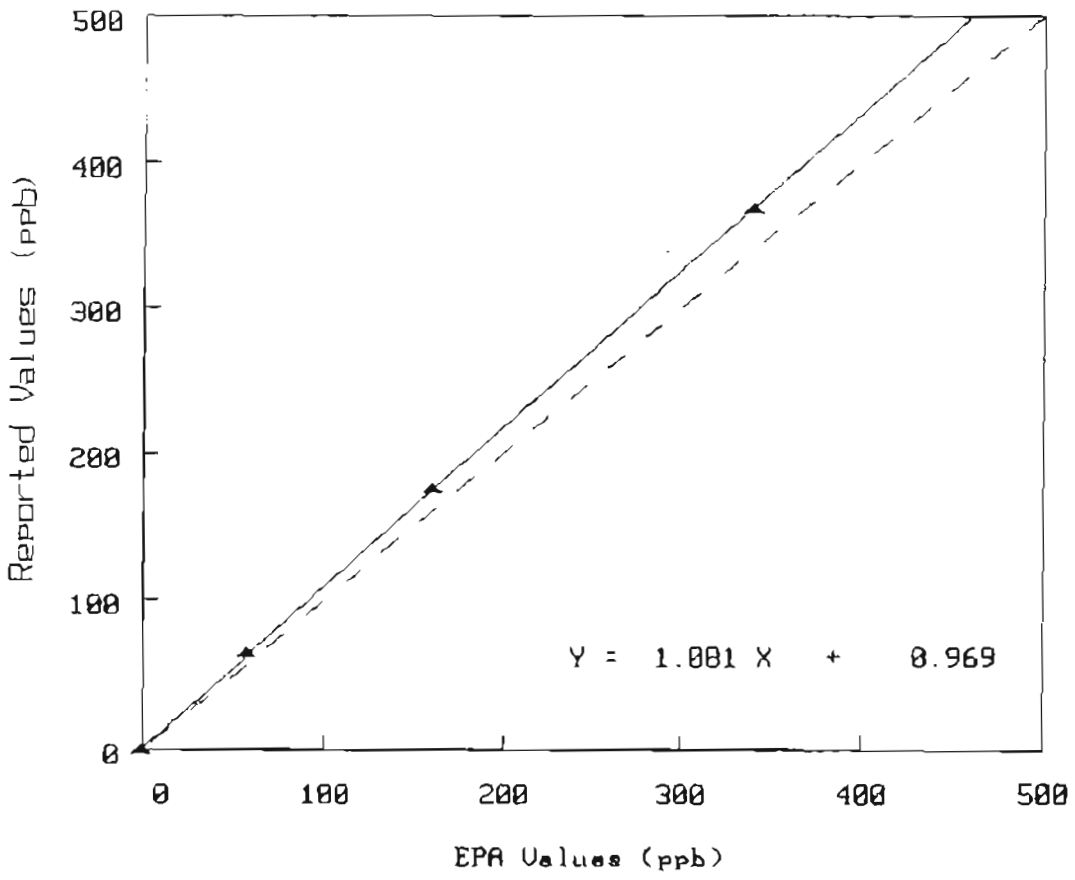
Actual values adjusted for site barometric pressure: 583.20 mm Hg

AIRS Site Number: Audit Date: 04/18/2005
Monitor Serial #: 816 Audit Device No.: 40396
Your Site ID: TLA

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - -)			
0	0.0	0.5	-0.5	----
690	369.0	340.9	28.1	8.2
525	176.0	161.4	14.6	9.0
440	65.0	57.9	7.1	12.2

Mean Absolute % Difference = 9.8

Slope = 1.081 Intercept = 0.969 r^2 = 0.999940



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

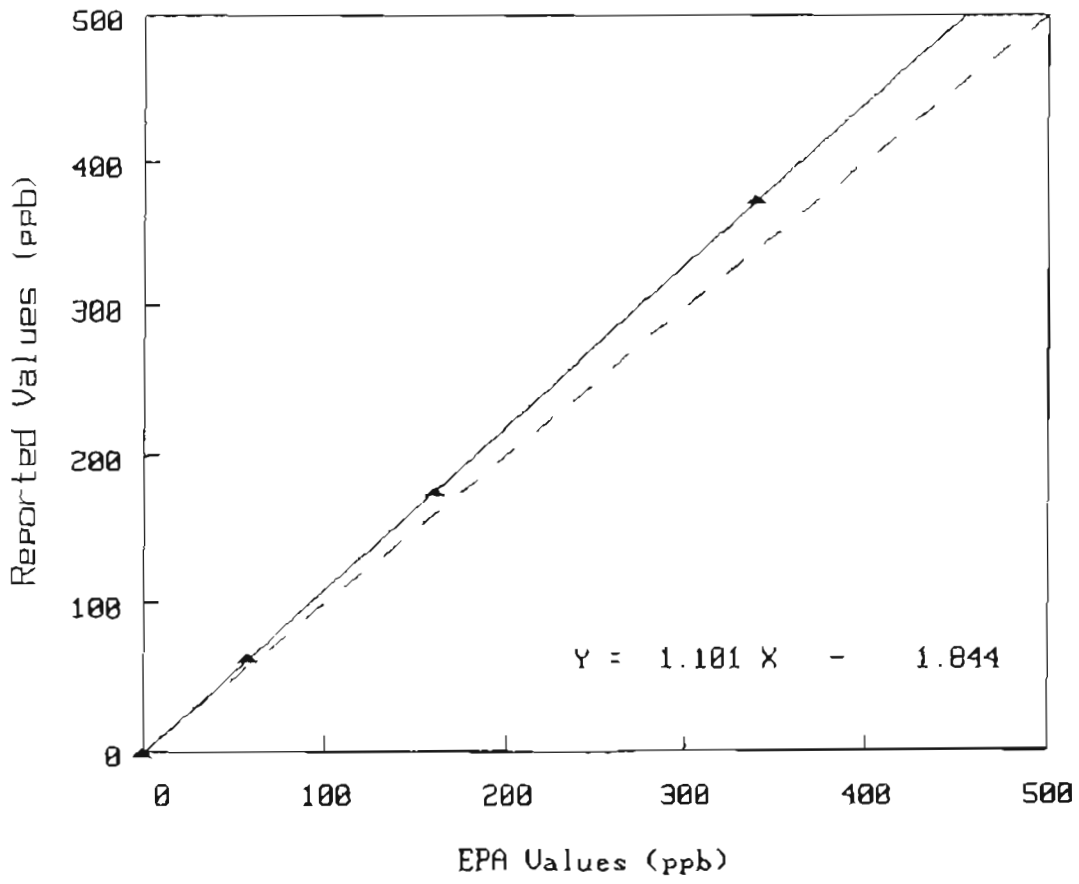
Actual values adjusted for site barometric pressure: 580.50 mm Hg

AIRS Site Number: Audit Date: 04/25/2005
Monitor Serial #: 816 Audit Device No.: 40396
Your Site ID: TLA

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - -)			
0	-2.0	0.5	-2.5	----
690	373.0	340.3	32.7	9.6
525	175.0	161.1	13.9	8.6
440	63.0	57.8	5.2	8.9

Mean Absolute % Difference = 9.0

Slope = 1.101 Intercept = -1.844 r^2 = 0.999973



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

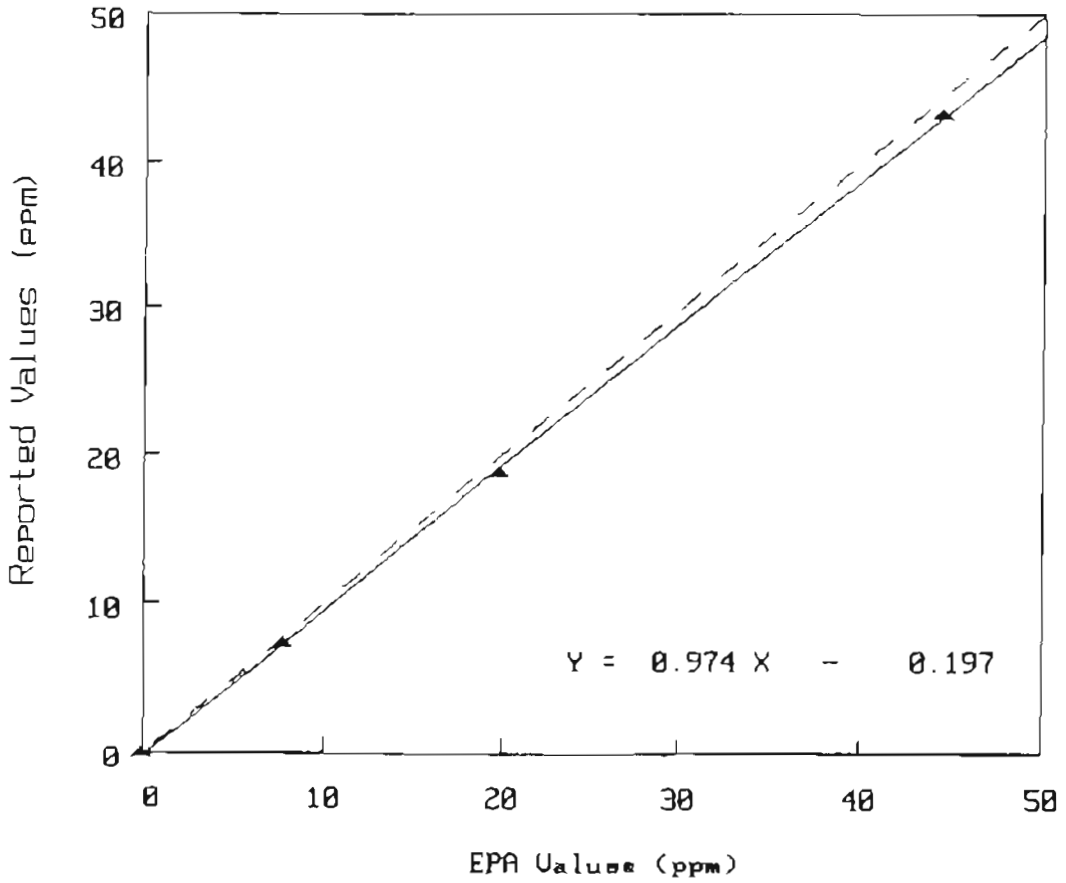
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: TLA
Monitor Serial #: 1160

Audit Date: 04/25/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	43.40	44.57	-1.17	-2.6
Med	18.80	19.95	-1.15	-5.8
Low	7.40	7.75	-0.35	-4.5
Zero	0.00	0.00	0.00	----
		Mean Absolute % Difference	=	4.3

Slope = 0.974 Intercept = -0.197 r^2 = 0.999755



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/03/2005

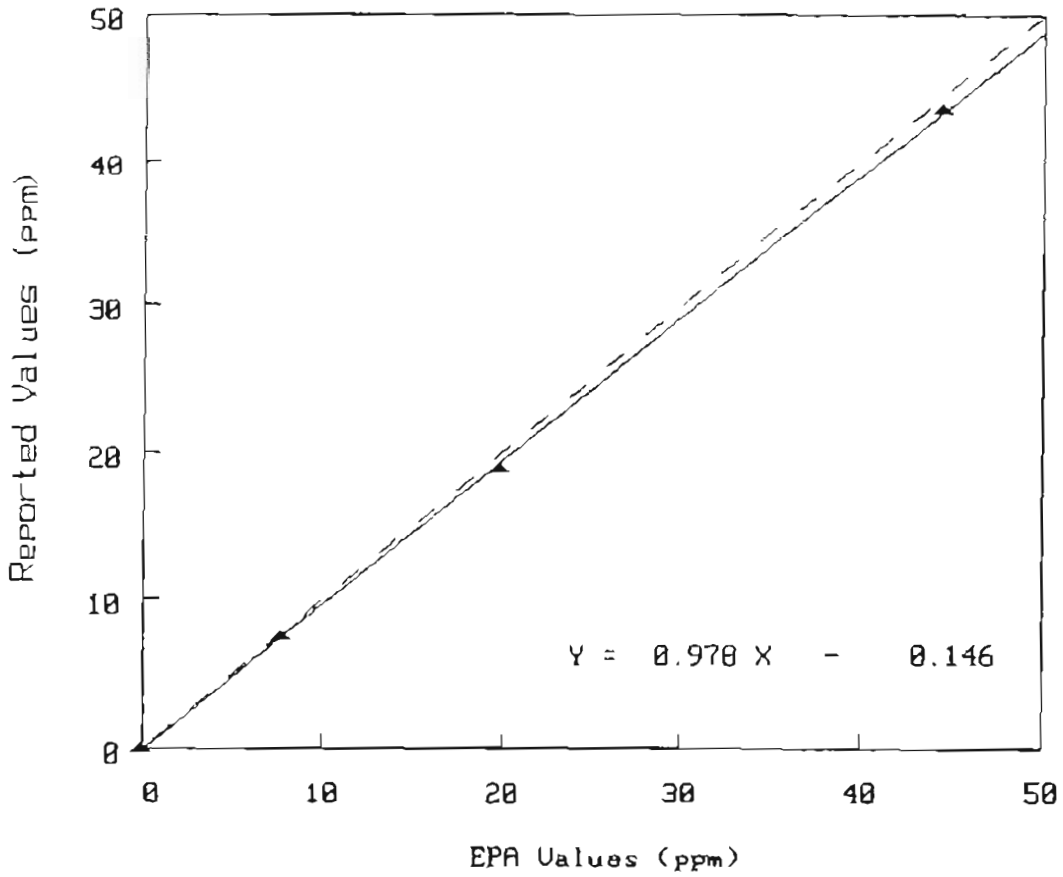
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: TLA
Monitor Serial #: 1160.

Audit Date: 04/18/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	43.60	44.57	-0.97	-2.2
Med	19.00	19.95	-0.95	-4.8
Low	7.50	7.75	-0.25	-3.2
Zero	0.00	0.00	0.00	----
		Mean Absolute % Difference	=	3.4

Slope = 0.978 Intercept = -0.146 r^2 = 0.999831



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

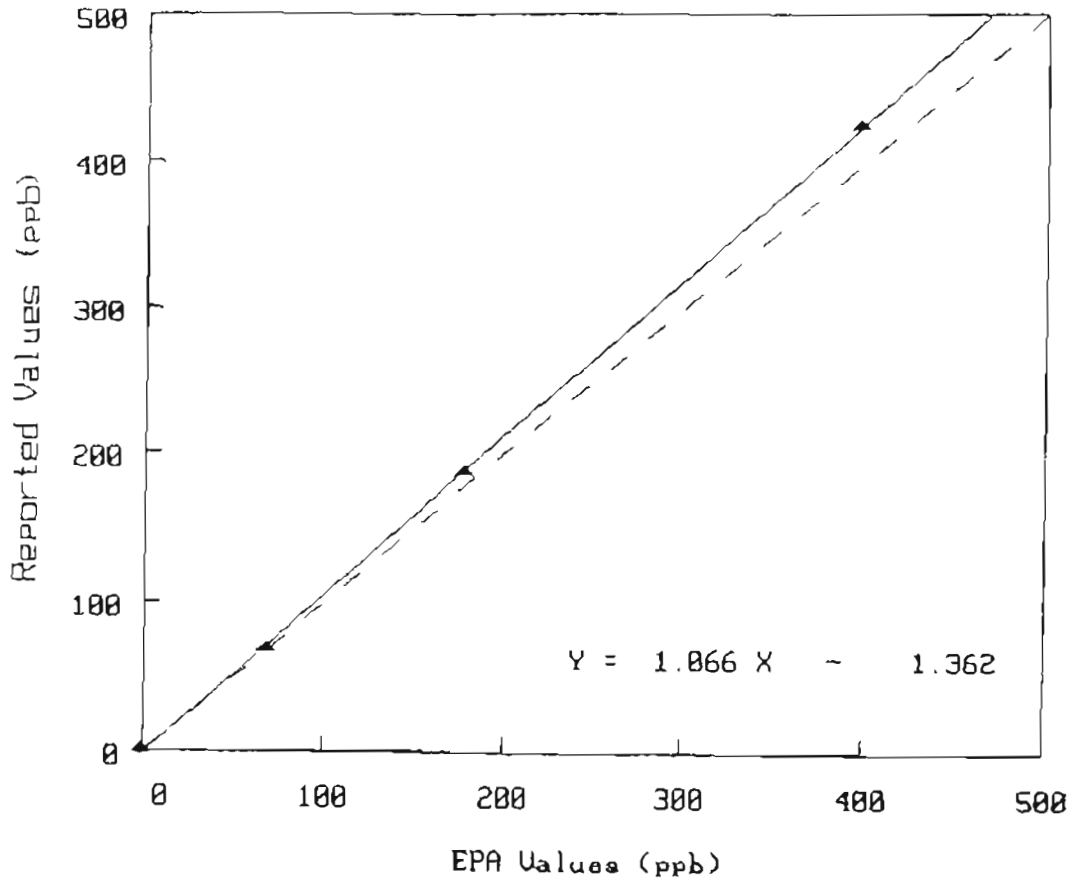
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

Site Number:
Your Site ID: TLA
Monitor Serial #: 458.

Audit Date: 04/25/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	425.00	398.94	26.06	6.5
Med	187.00	178.57	8.43	4.7
Low	71.00	69.34	1.66	2.4
Zero	1.00	0.00	1.00	----
	Mean Absolute % Difference = 4.5			

Slope = 1.066 Intercept = -1.362 r^2 = 0.999873



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031

Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

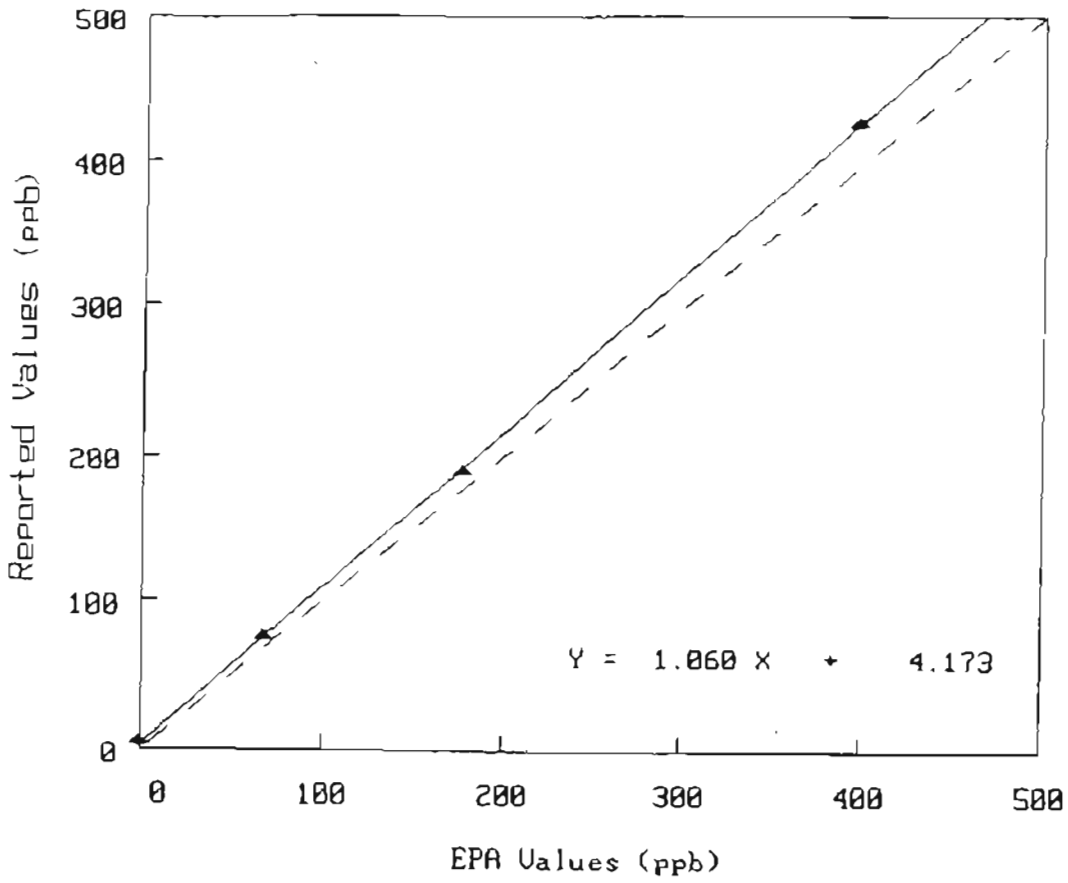
Site Number:
Your Site ID: TLA
Monitor Serial #: 458

Audit Date: 04/18/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	428.00	398.94	29.06	7.3
Med	191.00	178.57	12.43	7.0
Low	77.00	69.34	7.66	11.0
Zero	6.00	0.00	6.00	----

Mean Absolute % Difference = 8.4

Slope = 1.060 Intercept = 4.173 r^2 = 0.999896



Results of NO2 Continuous Audit

for 1st Quarter 2005

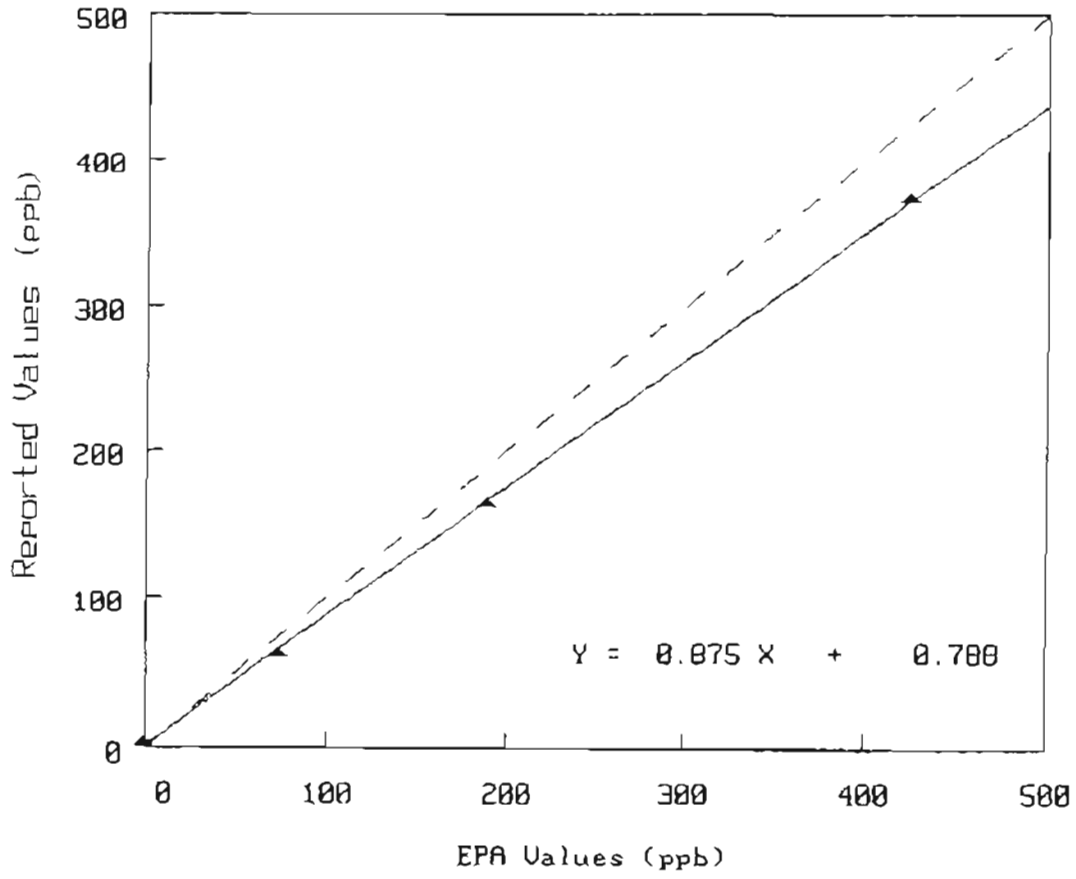
06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number: Audit Date: 04/25/2005
Monitor Serial #: 580. NO Cyl. No.: FF11036
Site ID: TLA Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
High	374.00	425.17	-51.17	-12.0
Med	165.00	190.31	-25.31	-13.3
Low	63.00	73.90	-10.90	-14.7
Zero	4.00	0.00	4.00	----
	Mean Absolute % Difference = 13.4			

NO Slope = 0.875 Intercept = 0.788 r^2 = 0.999710



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

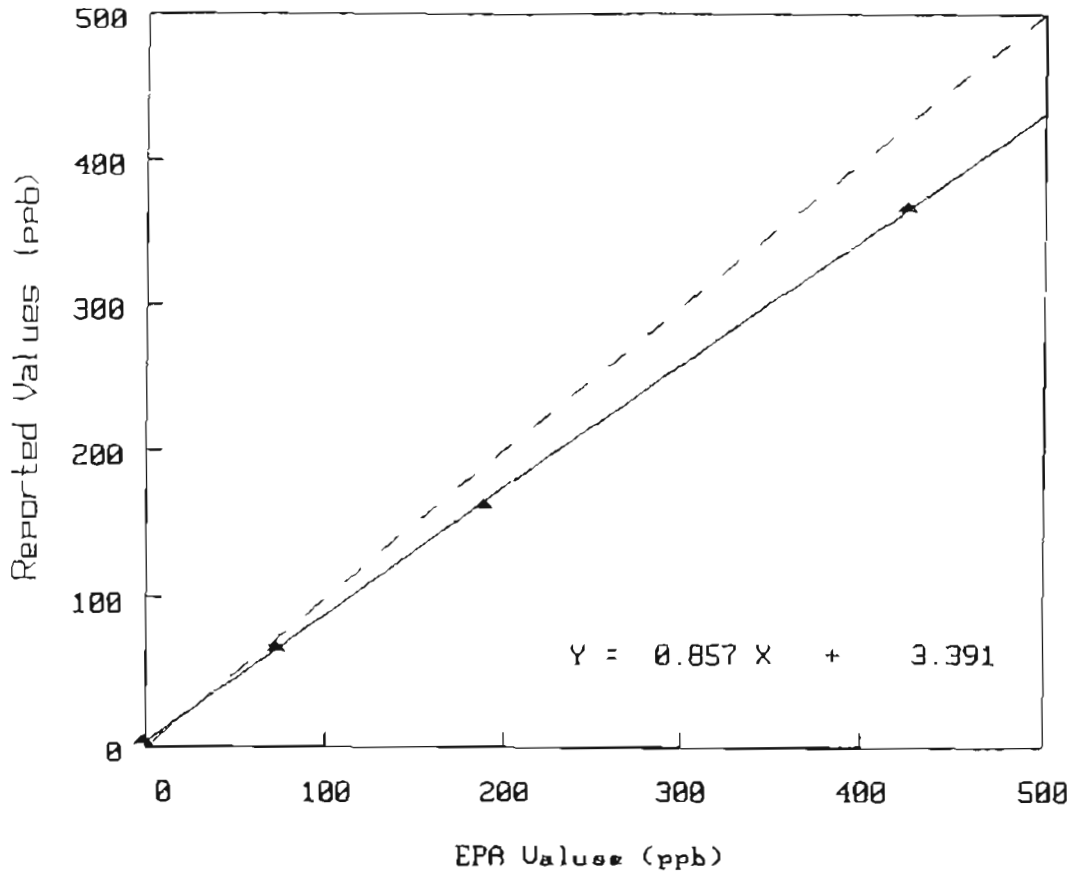
AIRS Site Number:
Monitor Serial #: 580
Site ID: TLA

Audit Date: 04/18/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
High	369.00	425.17	-56.17	-13.2
Med	163.00	190.31	-27.31	-14.4
Low	67.00	73.90	-6.90	-9.3
Zero	5.00	0.00	5.00	----

Mean Absolute % Difference = 12.3

NO Slope = 0.857 Intercept = 3.391 r^2 = 0.999786



AIRS Site Number: Audit Date: 04/25/2005

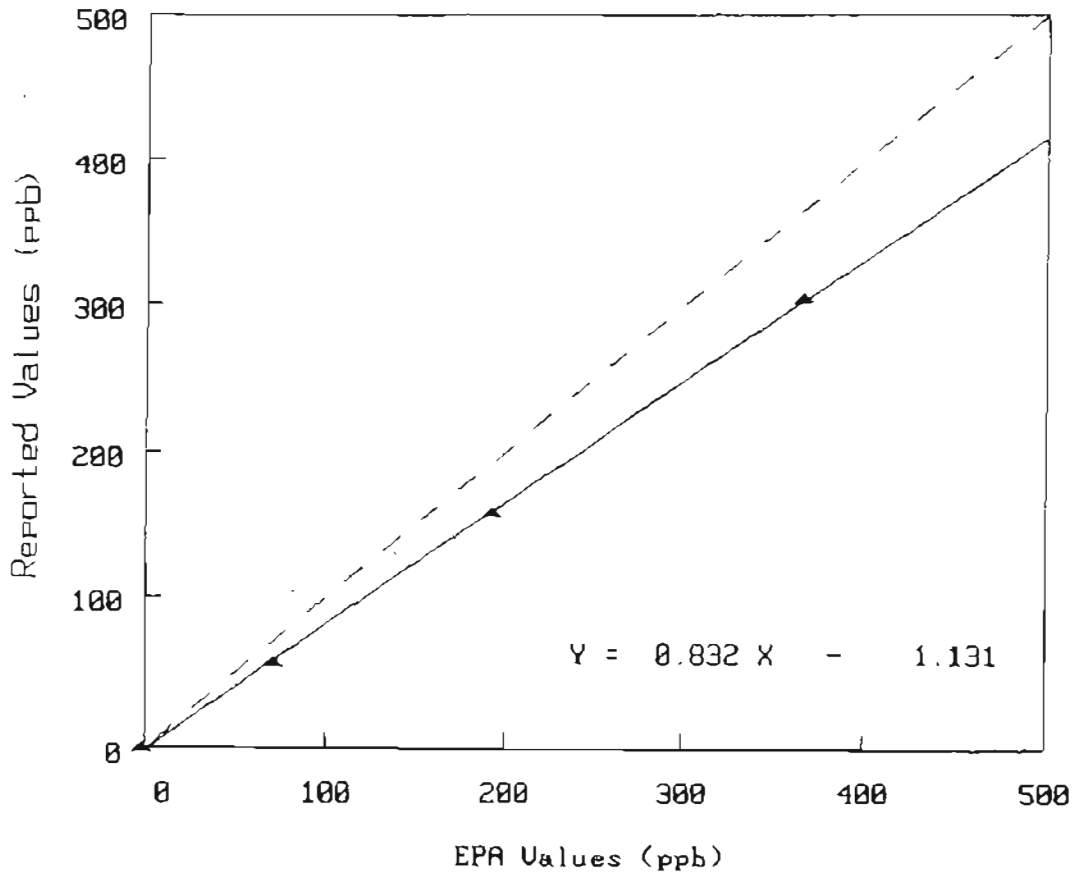
Monitor Serial #: 580. Device No.: 40396

Your Site ID: TLA

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
730	306.00	367.00	-61.00	-16.6
525	158.00	194.70	-36.70	-18.8
440	57.00	71.70	-14.70	-20.5
Zero	0.00	-1.70	1.70	----

Mean Absolute % Difference = 18.7

NO_2 Slope = 0.832 Intercept =-1.131 r^2 = 0.999626



AIRS Site Number: Audit Date: 04/18/2005

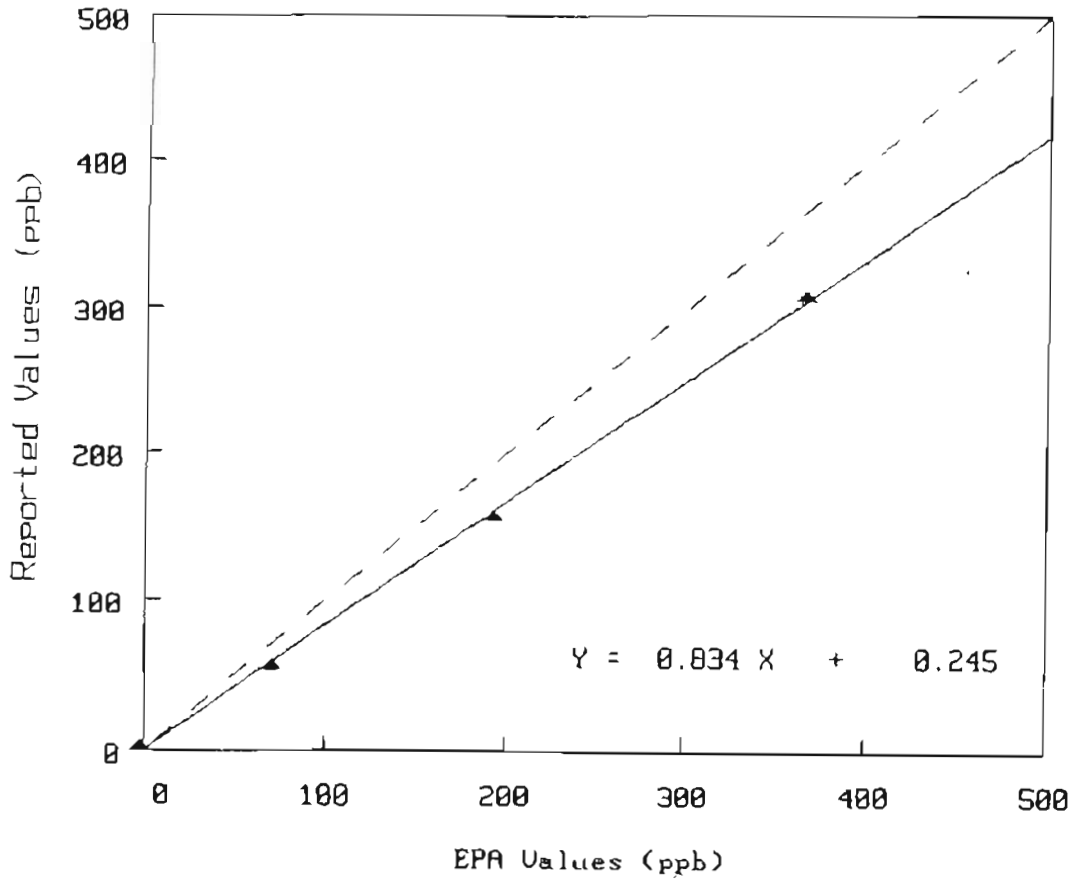
Monitor Serial #: 580 Device No.: 40396

Your Site ID: TLA

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
730	309.00	367.00	-58.00	-15.8
525	159.00	194.70	-35.70	-18.3
440	57.00	71.70	-14.70	-20.5
Zero	3.00	-1.70	4.70	----

Mean Absolute % Difference = 18.2

NO_2 Slope = 0.834 Intercept =0.245 r^2 = 0.999136



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

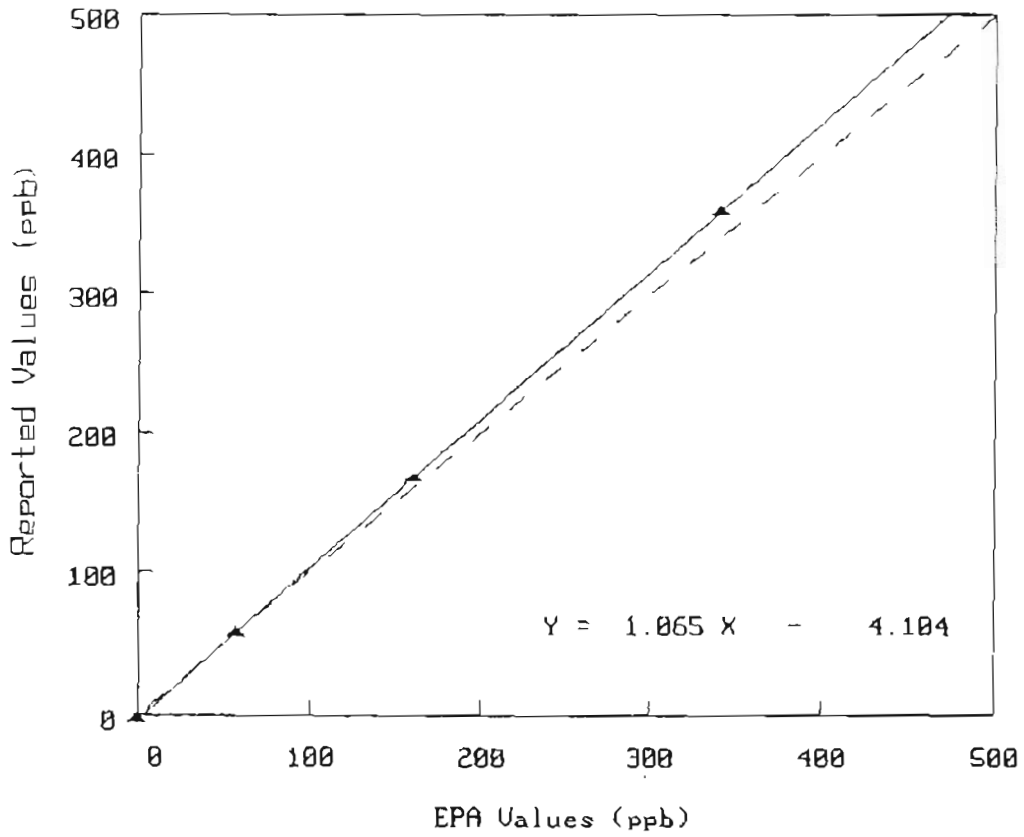
Actual values adjusted for site barometric pressure: 588.34 mm Hg

AIRS Site Number: Audit Date: 04/19/2005
Monitor Serial #: 795 Audit Device No.: 40396
Your Site ID: SAG

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-3.0	0.5	-3.5	----
690	361.0	342.1	18.9	5.5
525	167.0	162.0	5.0	3.1
440	58.0	58.1	-0.1	-0.2

Mean Absolute % Difference = 2.9

Slope = 1.065 Intercept = -4.104 r^2 = 0.999961



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

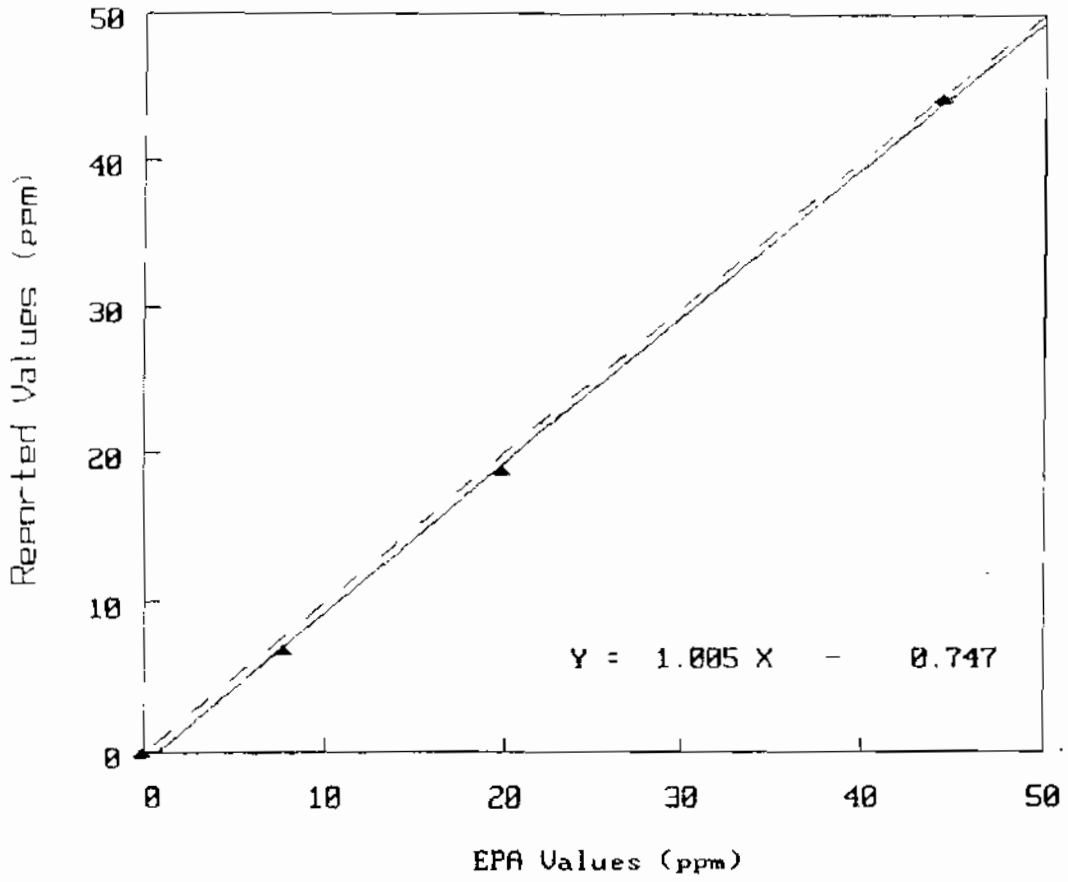
AIRS Site Number:
Your Site ID: SAG
Monitor Serial #: 306

Audit Date: 04/19/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	44.30	44.57	-0.27	-0.6
Med	18.80	19.95	-1.15	-5.8
Low	6.70	7.75	-1.05	-13.5
Zero	-0.20	0.00	-0.20	----

Mean Absolute % Difference = 6.6

Slope = 1.005 Intercept = -0.747 r^2 = 0.999365



Results of SO2 Continuous Audit

for 1st Quarter 2005

08/31/2005

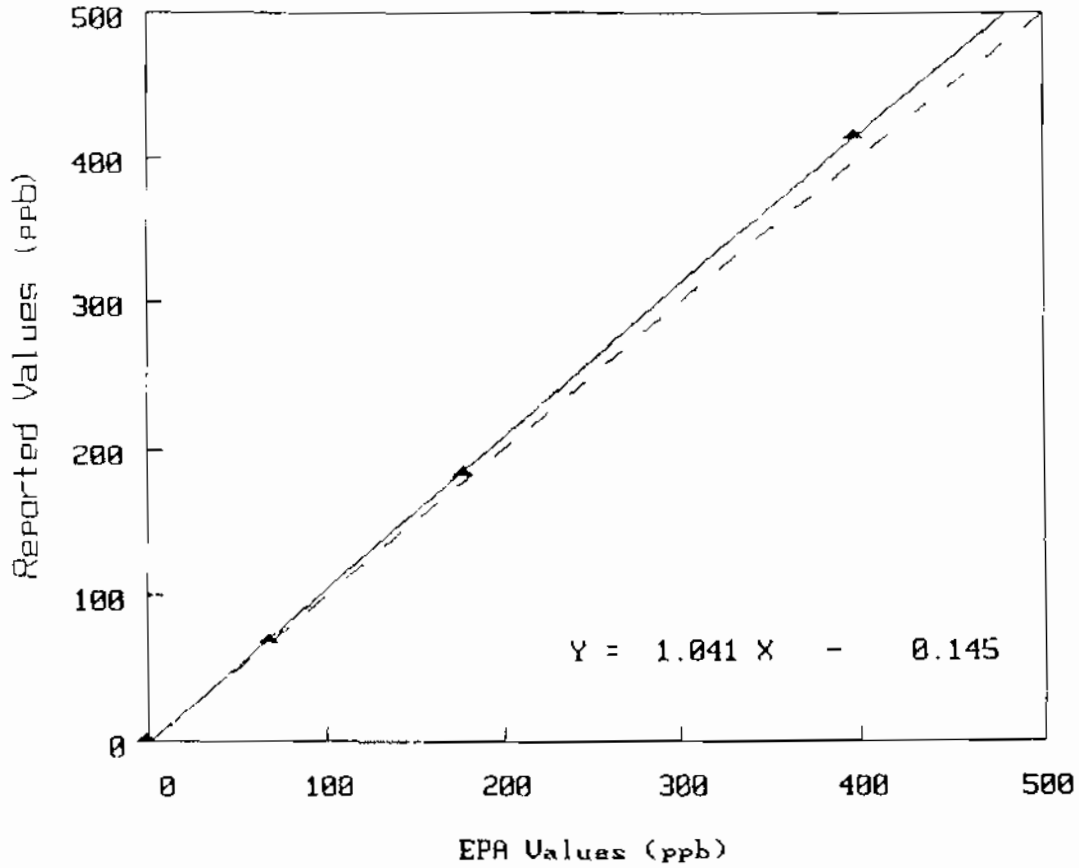
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

Site Number:
Your Site ID: SAG
Monitor Serial #: 464

Audit Date: 04/19/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	416.00	398.94	17.06	4.3
Med	185.00	178.57	6.43	3.6
Low	70.00	69.34	0.66	1.0
Zero	2.00	0.00	2.00	----
	Mean Absolute % Difference = 2.9			

Slope = 1.041 Intercept = -0.145 r^2 = 0.999899



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

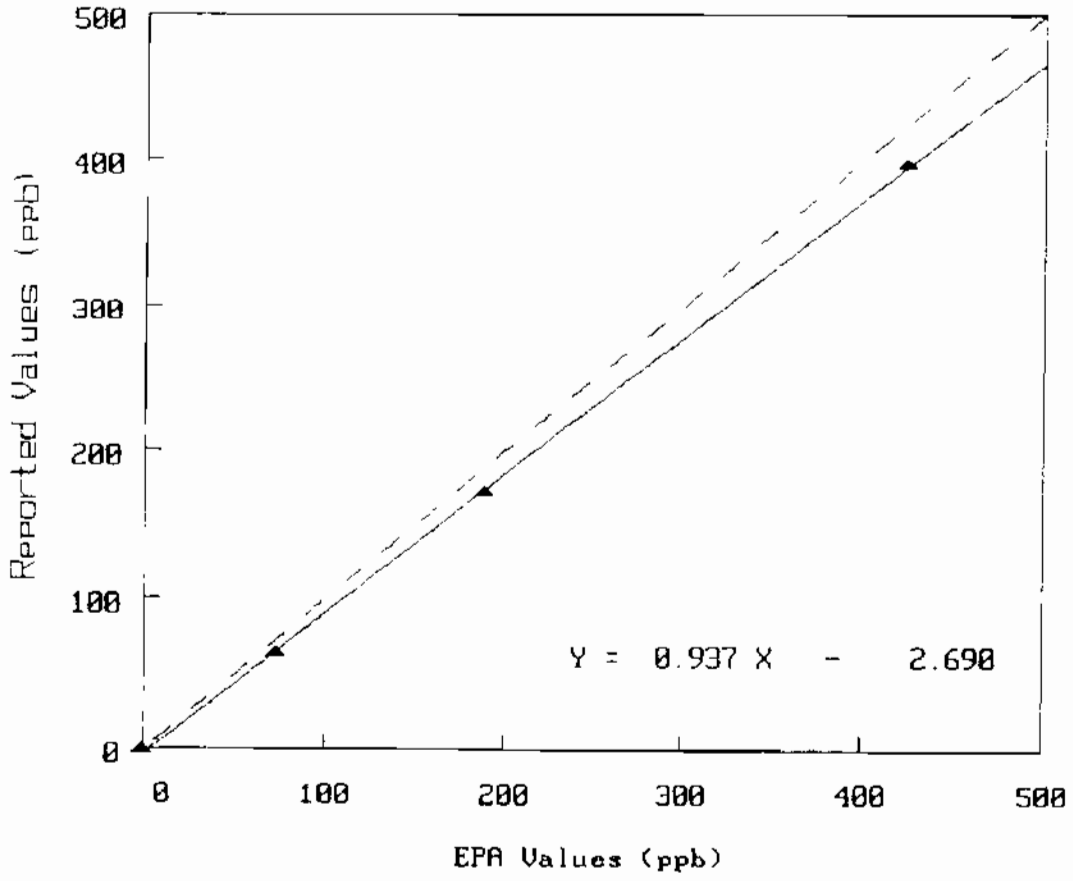
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Monitor Serial #: 223
Site ID: SAG

Audit Date: 04/19/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
High	397.00	425.17	-28.17	-6.6
Med	173.00	190.31	-17.31	-9.1
Low	65.00	73.90	-8.90	-12.0
Zero	0.00	0.00	0.00	----
	Mean Absolute % Difference = 9.3			

NO Slope = 0.937 Intercept = -2.690 r^2 = 0.999799



AIRS Site Number: Audit Date: 04/19/2005

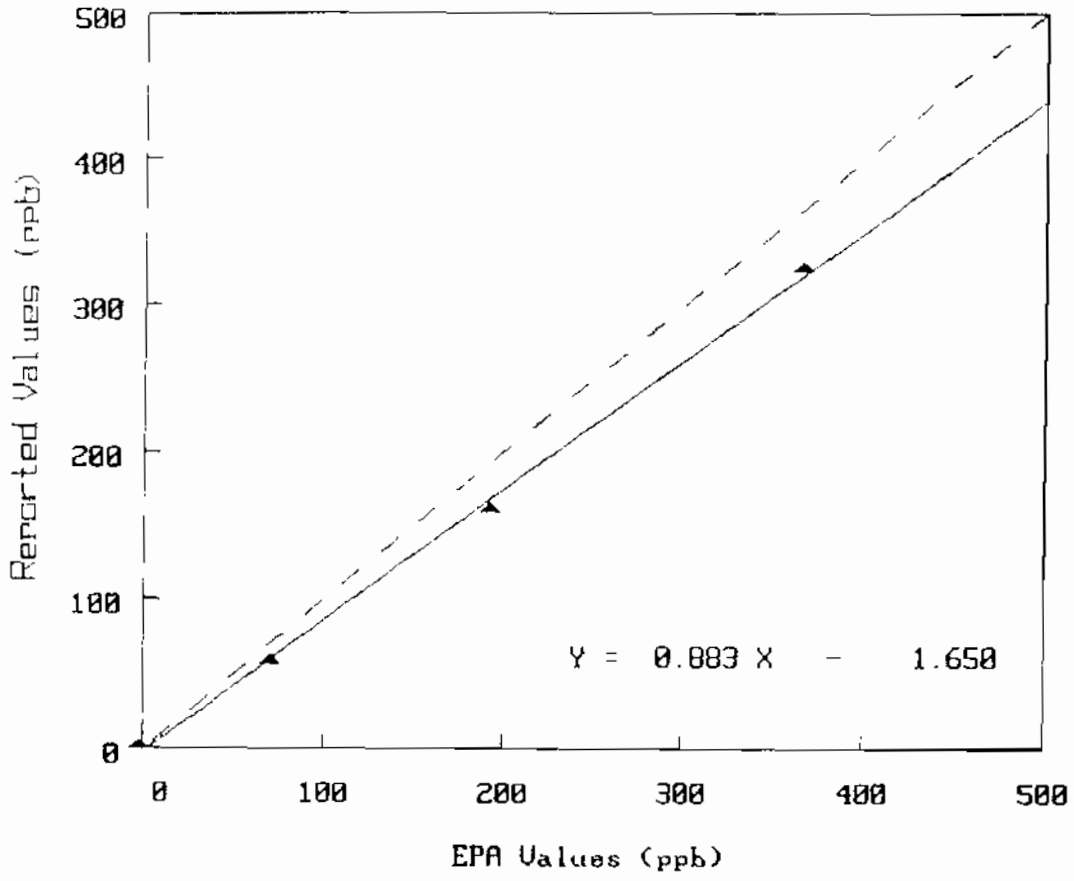
Monitor Serial #: 223 Device No.: 40396

Your Site ID: SAG

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
730	327.00	367.00	-40.00	-10.9
525	162.00	194.70	-32.70	-16.8
440	60.00	71.70	-11.70	-16.3
Zero	2.00	-1.70	3.70	----

Mean Absolute % Difference = 14.7

NO_2 Slope = 0.883 Intercept =-1.650 r^2 = 0.998050



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

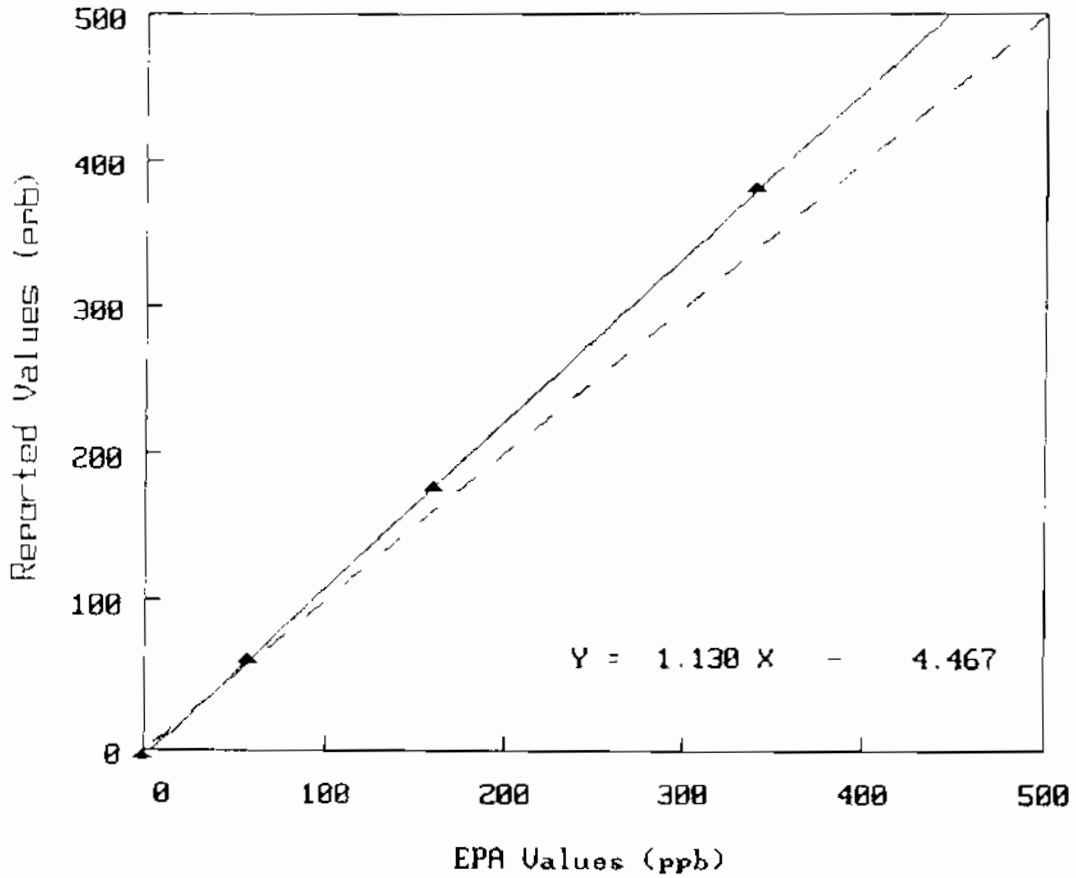
Actual values adjusted for site barometric pressure: 585.64 mm Hg

AIRS Site Number: Audit Date: 04/19/2005
Monitor Serial #: 441 Audit Device No.: 40396
Your Site ID: XAL

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-4.0	0.5	-4.5	----
690	382.0	341.5	40.5	11.9
525	177.0	161.7	15.3	9.5
440	62.0	58.0	4.0	6.9

Mean Absolute % Difference = 9.4

Slope = 1.130 Intercept = -4.467 r^2 = 0.999969



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

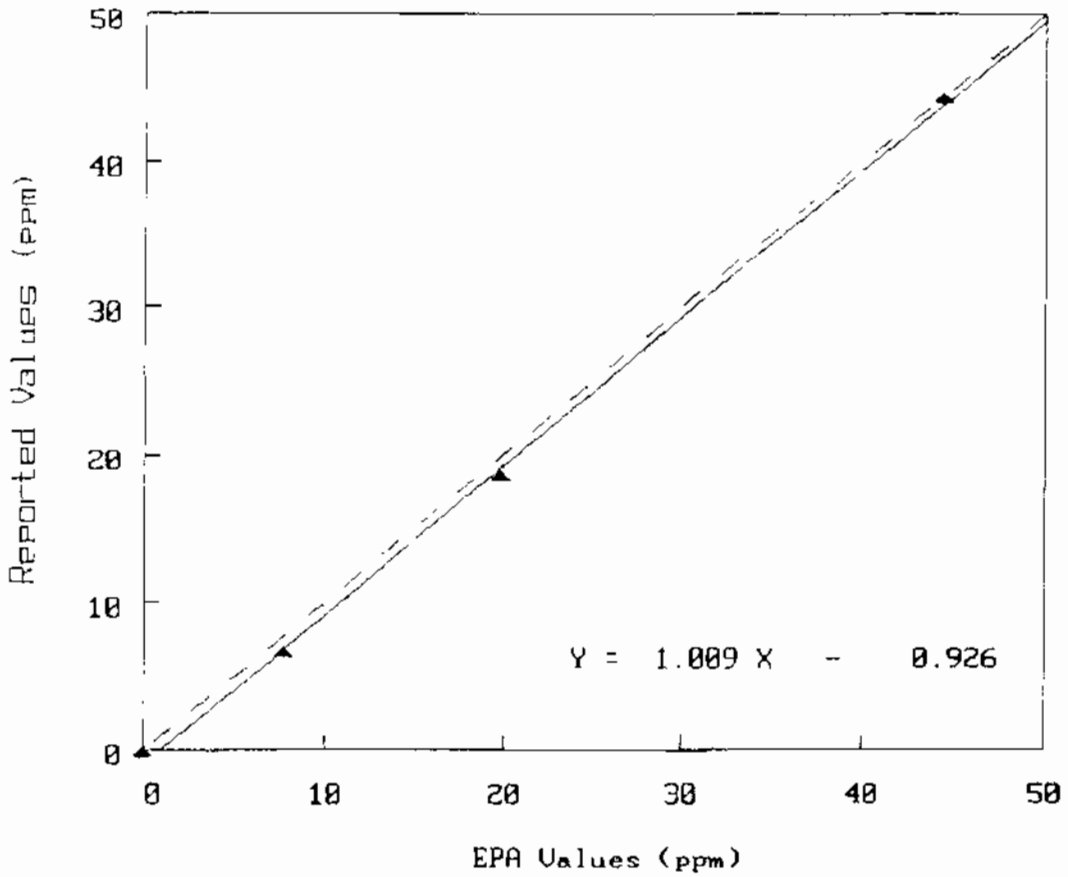
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: XAL
Monitor Serial #: 097

Audit Date: 04/19/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	44.40	44.57	-0.17	-0.4
Med	18.50	19.95	-1.45	-7.3
Low	6.60	7.75	-1.15	-14.8
Zero	-0.30	0.00	-0.30	----
		Mean Absolute % Difference	=	7.5

Slope = 1.009 Intercept = -0.926 r^2 = 0.999055



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

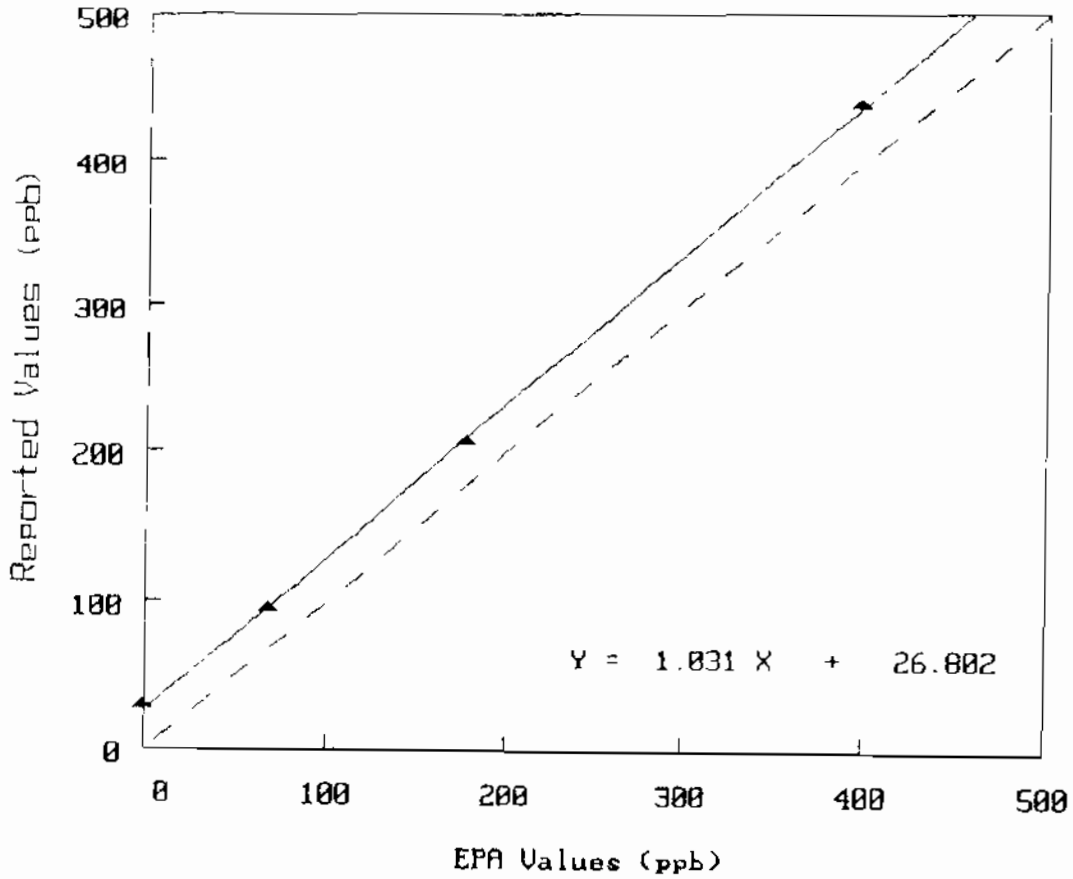
Site Number:
Your Site ID: XAL
Monitor Serial #: 493

Audit Date: 04/19/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
High	440.00	398.94	41.06	10.3
Med	207.00	178.57	28.43	15.9
Low	97.00	69.34	27.66	39.9
Zero	30.00	0.00	30.00	----

Mean Absolute % Difference = 22.0

Slope = 1.031 Intercept = 26.802 r^2 = 0.999683



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

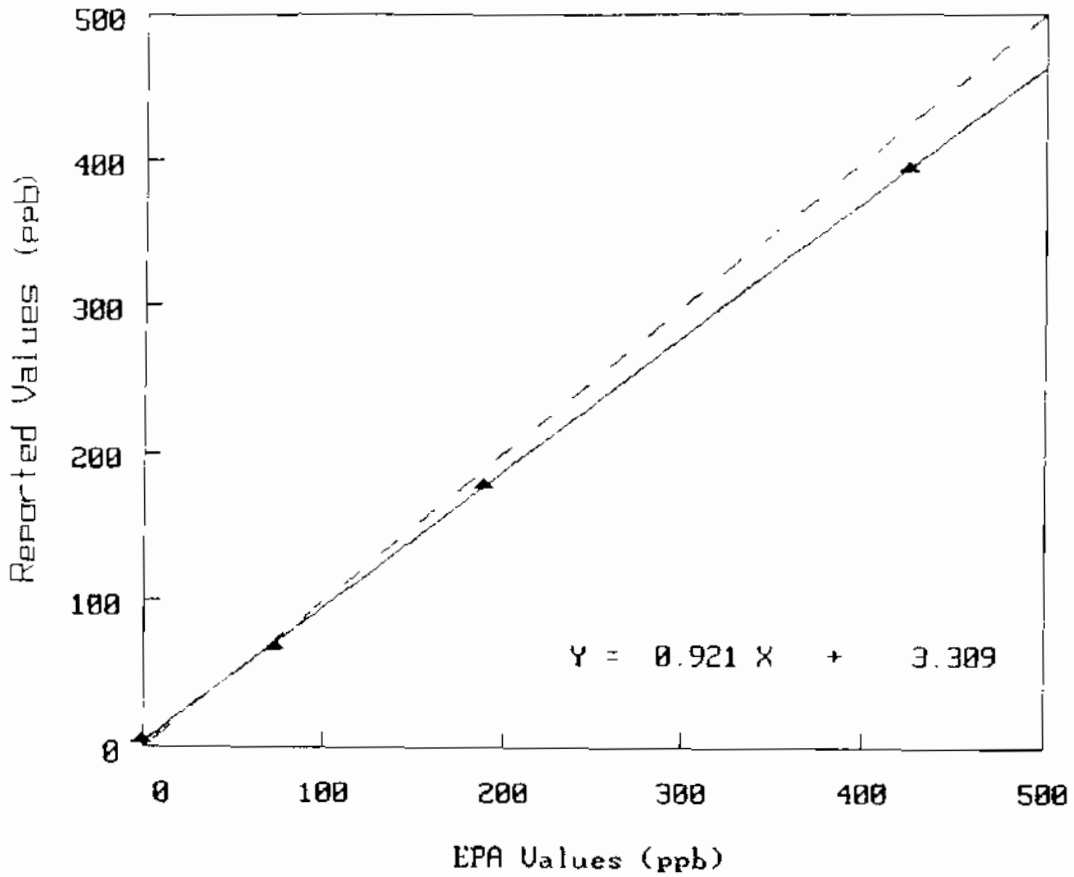
AIRS Site Number:
Monitor Serial #: 530
Site ID: XAL

Audit Date: 04/19/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
High	395.00	425.17	-30.17	-7.1
Med	179.00	190.31	-11.31	-5.9
Low	69.00	73.90	-4.90	-6.6
Zero	5.00	0.00	5.00	----

Mean Absolute % Difference = 6.6

NO Slope = 0.921 Intercept = 3.309 r^2 = 0.999902



AIRS Site Number: Audit Date: 04/19/2005

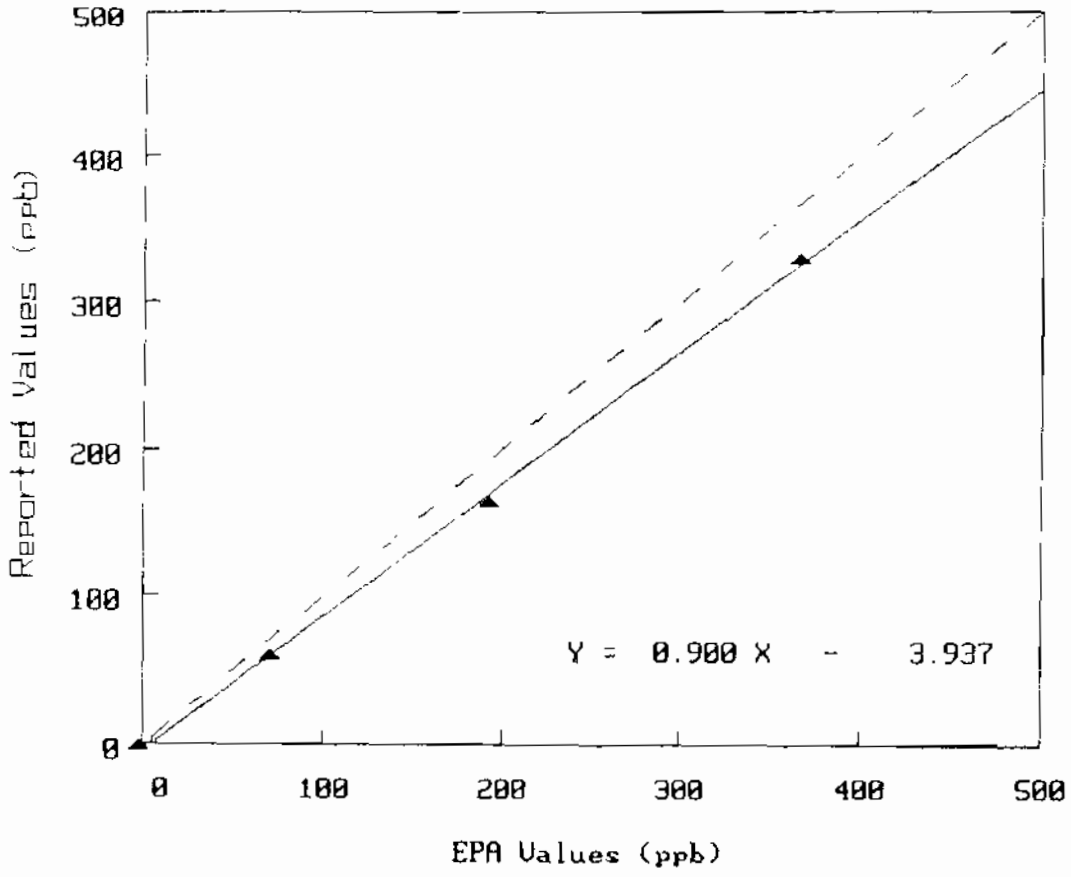
Monitor Serial #: 530 Device No.: 40396

Your Site ID: XAL

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - ppb - - - - - - - -)			
730	330.00	367.00	-37.00	-10.1
525	165.00	194.70	-29.70	-15.3
440	60.00	71.70	-11.70	-16.3
Zero	-2.00	-1.70	-0.30	----

Mean Absolute % Difference = 13.9

NO_2 Slope = 0.900 Intercept =-3.937 r^2 = 0.998970



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

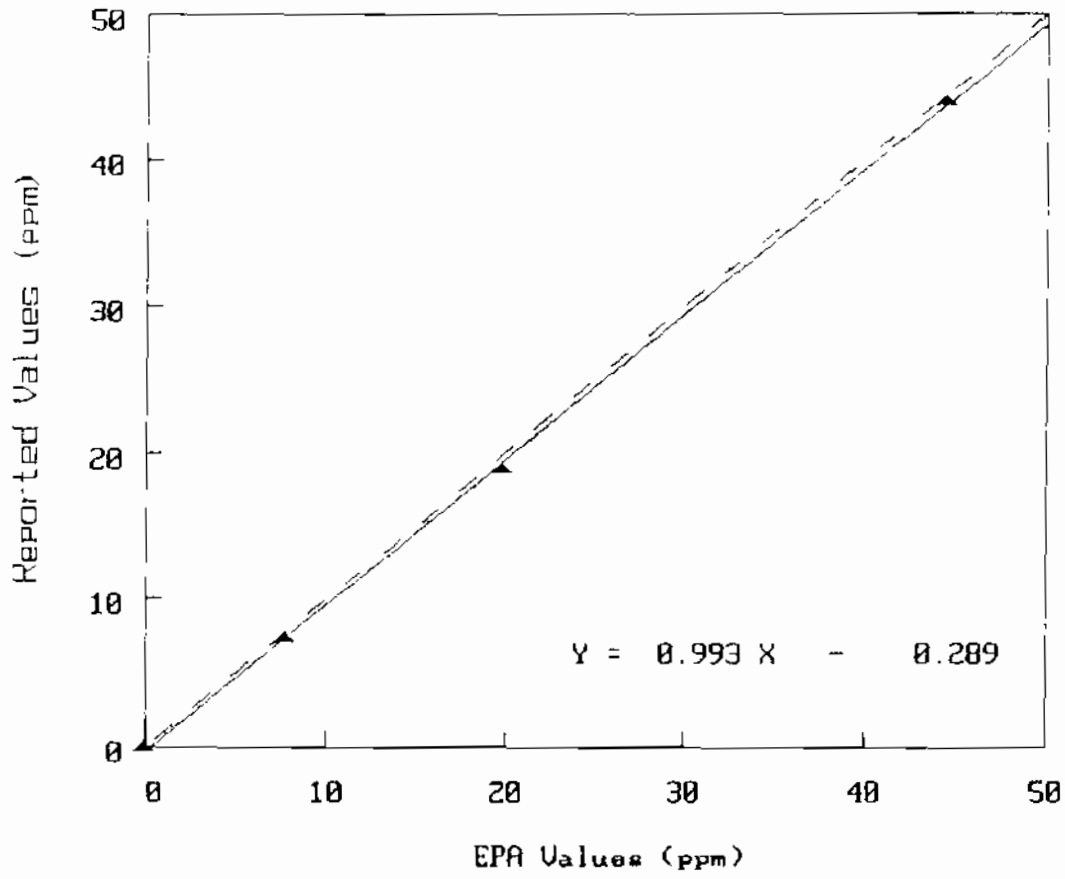
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: VIF
Monitor Serial #: 1161

Audit Date: 04/29/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	44.20	44.57	-0.37	-0.8
Med	19.00	19.95	-0.95	-4.8
Low	7.40	7.75	-0.35	-4.5
Zero	0.00	0.00	0.00	----
		Mean Absolute % Difference	=	3.4

Slope = 0.993 Intercept = -0.289 r^2 = 0.999636



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

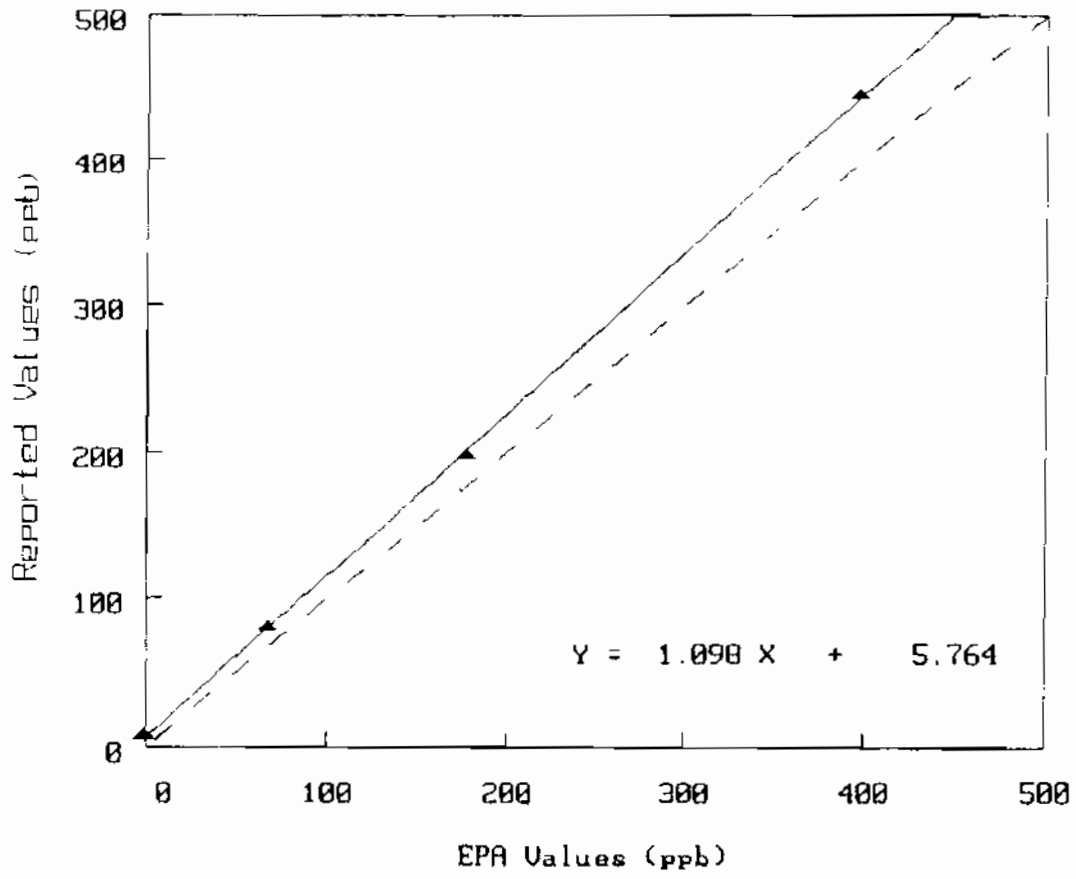
Site Number:
Your Site ID: VIE VIF
Monitor Serial #: 448

Audit Date: 04/29/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	445.00	398.94	46.06	11.5
Med	199.00	178.57	20.43	11.4
Low	81.00	69.34	11.66	16.8
Zero	8.00	0.00	8.00	----

Mean Absolute % Difference = 13.3

Slope = 1.098 Intercept = 5.764 r^2 = 0.999862



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

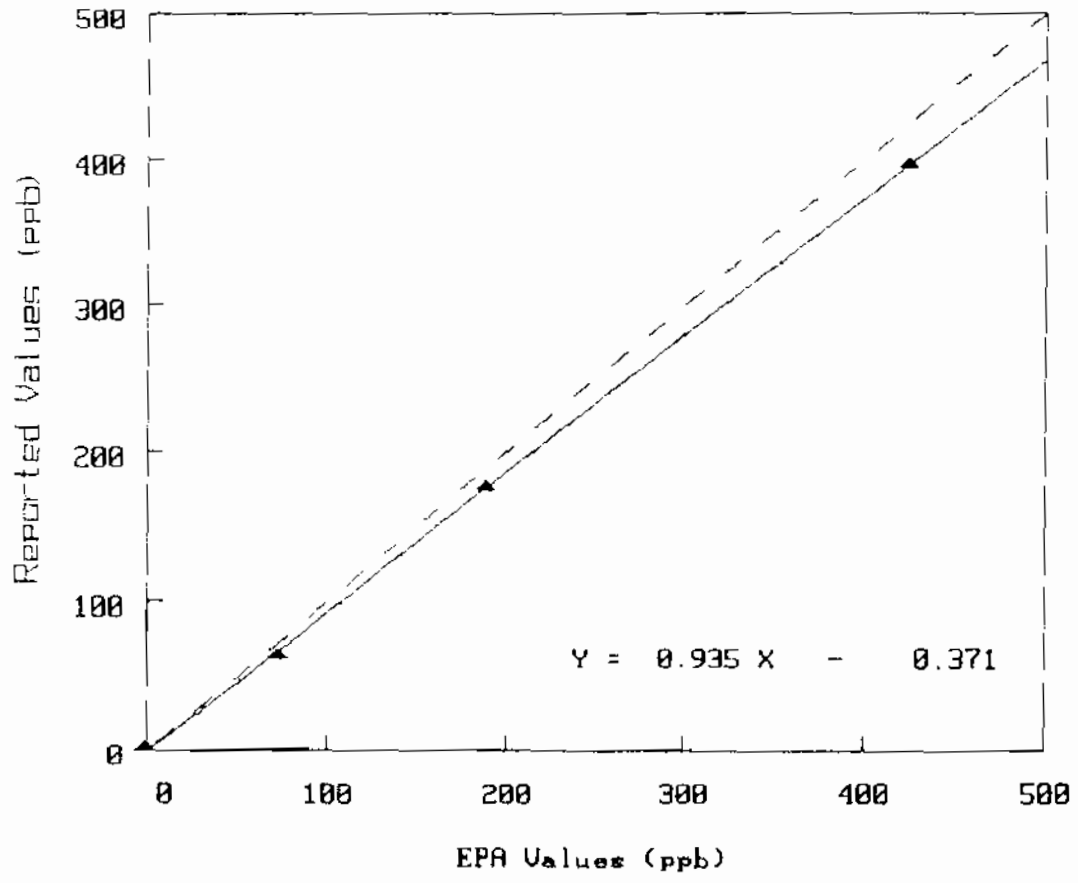
AIRS Site Number:
Monitor Serial #: 231
Site ID: VIE YIF

Audit Date: 04/29/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	ppb			
High	398.00	425.17	-27.17	-6.4
Med	177.00	190.31	-13.31	-7.0
Low	65.00	73.90	-8.90	-12.0
Zero	3.00	0.00	3.00	----

Mean Absolute % Difference = 8.5

NO Slope = 0.935 Intercept = -0.371 r^2 = 0.999710



AIRS Site Number: Audit Date: 04/29/2005

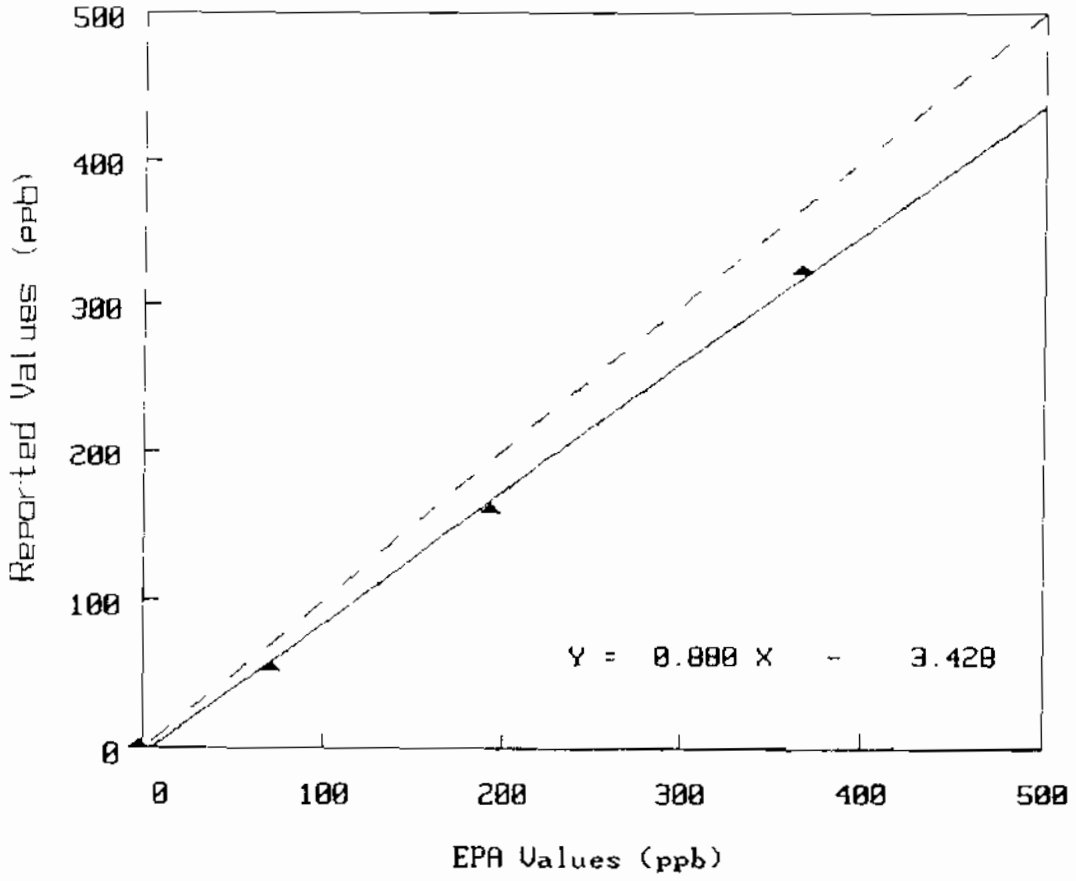
Monitor Serial #: 231 Device No.: 40396

Your Site ID: VIE VIF

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
730	324.00	367.00	-43.00	-11.7
525	161.00	194.70	-33.70	-17.3
440	55.00	71.70	-16.70	-23.3
Zero	2.00	-1.70	3.70	----

Mean Absolute % Difference = 17.4

NO_2 Slope = 0.880 Intercept =-3.428 r^2 = 0.997728



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

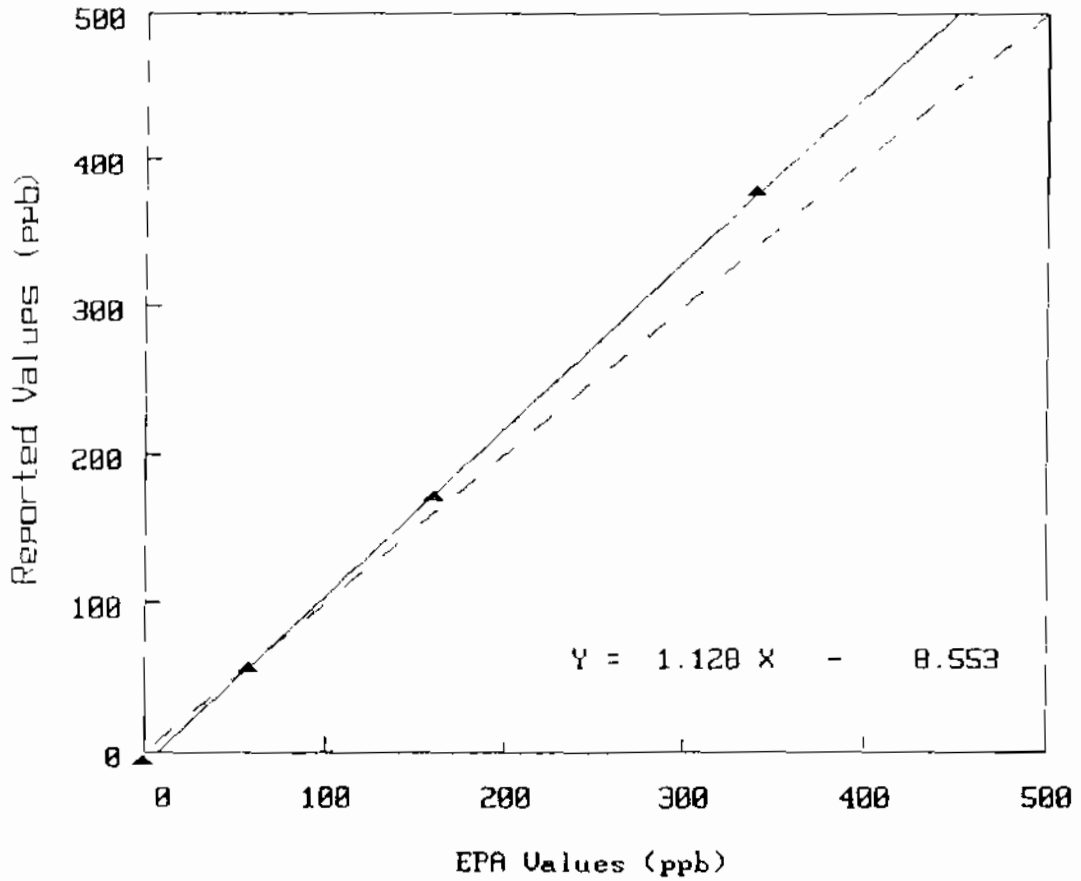
Actual values adjusted for site barometric pressure: 586.99 mm Hg

AIRS Site Number: Audit Date: 04/26/2005
Monitor Serial #: 791 Audit Device No.: 40396
Your Site ID: LAG

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-7.0	0.5	-7.5	----
690	378.0	341.8	36.2	10.6
525	172.0	161.8	10.2	6.3
440	57.0	58.1	-1.1	-1.9

Mean Absolute % Difference = 6.2

Slope = 1.128 Intercept = -8.553 r^2 = 0.999929



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

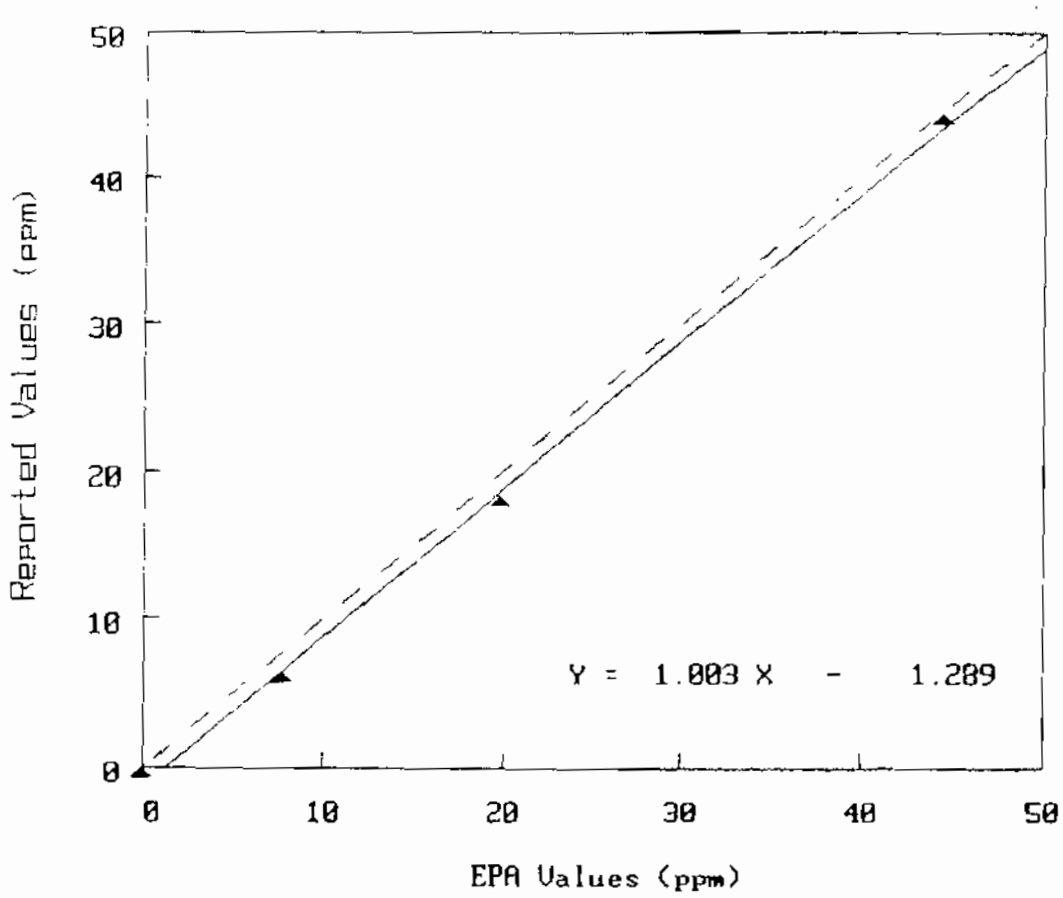
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: LAG
Monitor Serial #: 095

Audit Date: 04/26/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - ppm - - - - - - -)			
High	43.80	44.57	-0.77	-1.7
Med	18.00	19.95	-1.95	-9.8
Low	6.00	7.75	-1.75	-22.6
Zero	-0.50	0.00	-0.50	----
		Mean Absolute % Difference	=	11.4

Slope = 1.003 Intercept = -1.289 r^2 = 0.998673



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

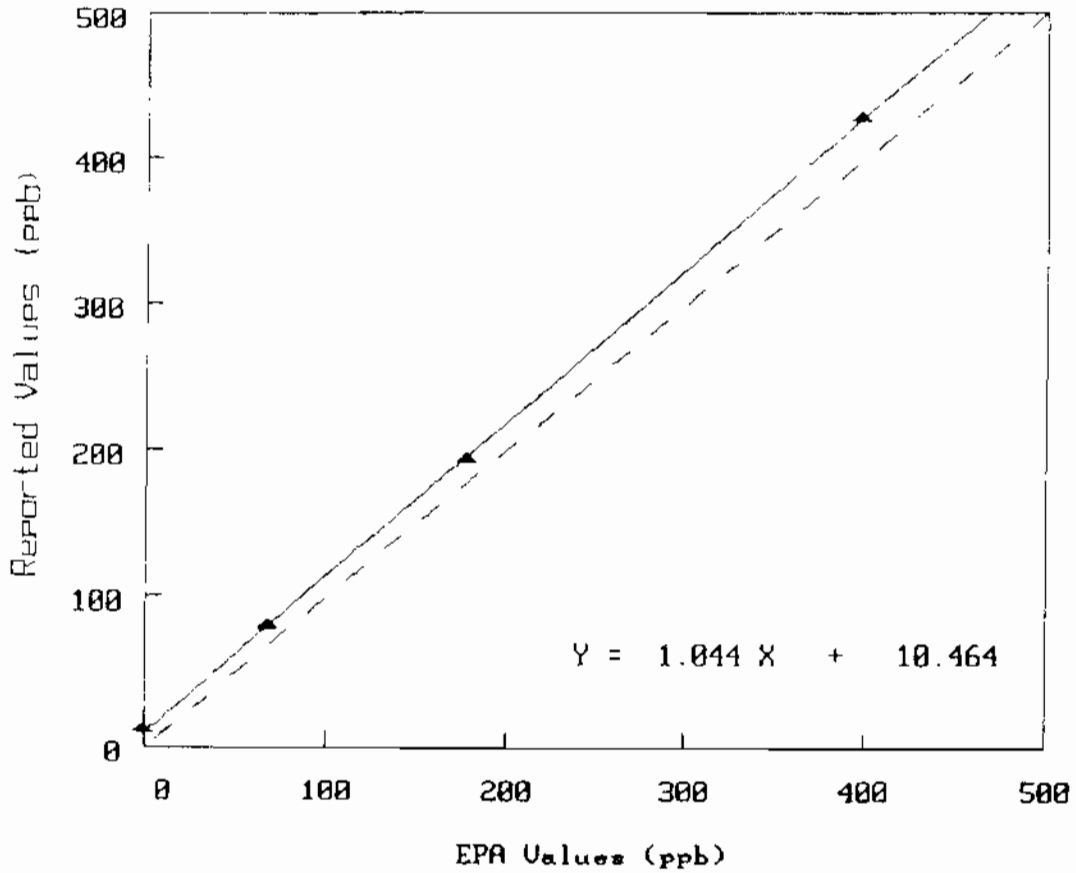
Site Number:
Your Site ID: LAG
Monitor Serial #: 451

Audit Date: 04/26/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Valuee	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	428.00	398.94	29.06	7.3
Med	195.00	178.57	16.43	9.2
Low	81.00	69.34	11.66	16.8
Zero	13.00	0.00	13.00	----

Mean Absolute % Difference = 11.1

Slope = 1.044 Intercept = 10.464 r^2 = 0.999854



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

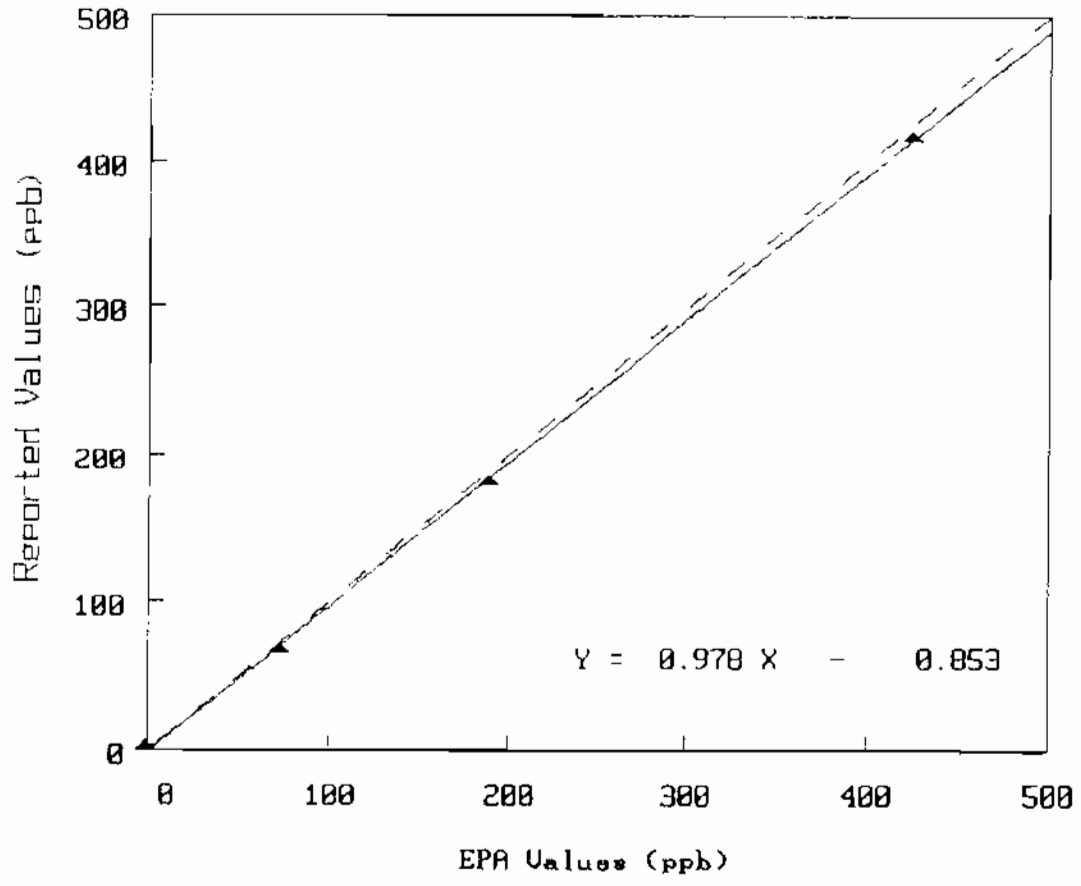
AIRS Site Number:
Monitor Serial #: 579
Site ID: LAG

Audit Date: 04/26/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
High	417.00	425.17	-8.17	-1.9
Med	182.00	190.31	-8.31	-4.4
Low	69.00	73.90	-4.90	-6.6
Zero	3.00	0.00	3.00	----

Mean Absolute % Difference = 4.3

NO Slope = 0.978 Intercept = -0.853 r^2 = 0.999642



AIRS Site Number: Audit Date: 04/26/2005

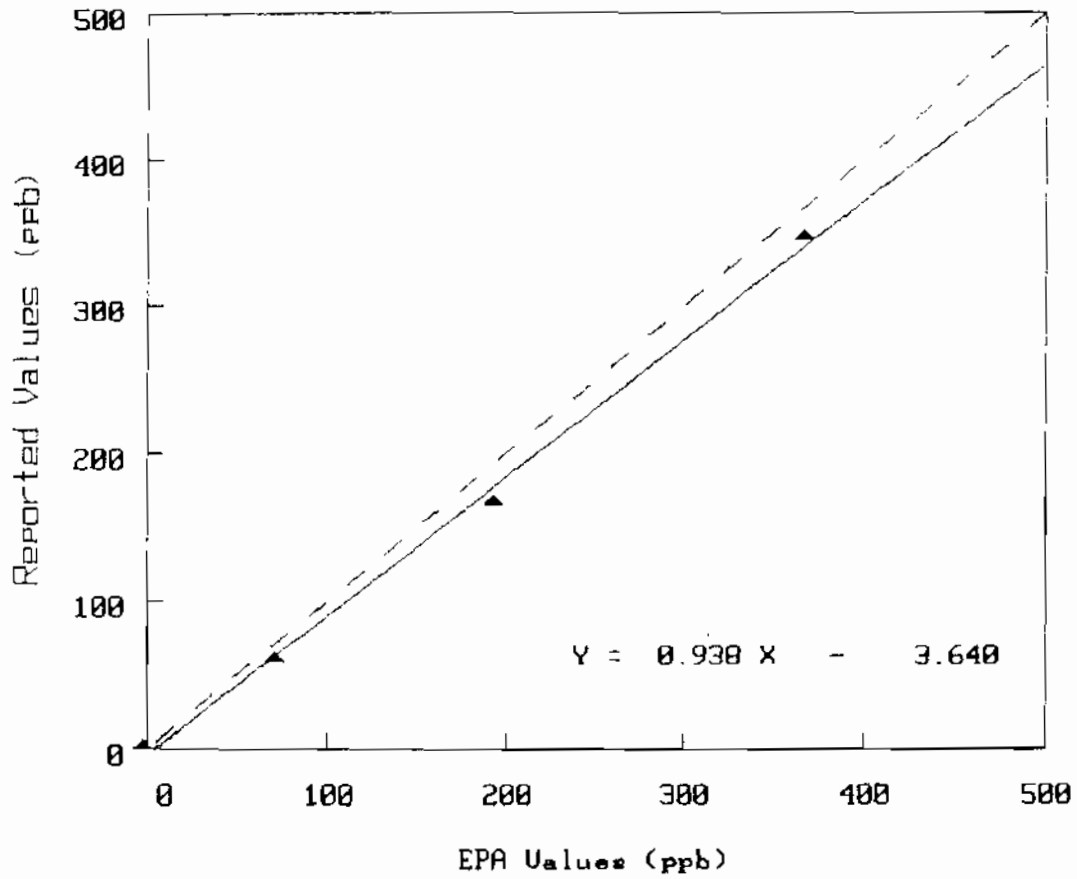
Monitor Serial #: 579 Device No.: 40396

Your Site ID: LAG

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
730	347.00	367.00	-20.00	-5.4
525	168.00	194.70	-26.70	-13.7
440	61.00	71.70	-10.70	-14.9
Zero	2.00	-1.70	3.70	----

Mean Absolute % Difference = 11.4

NO_2 Slope = 0.938 Intercept =-3.640 r^2 = 0.996792



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

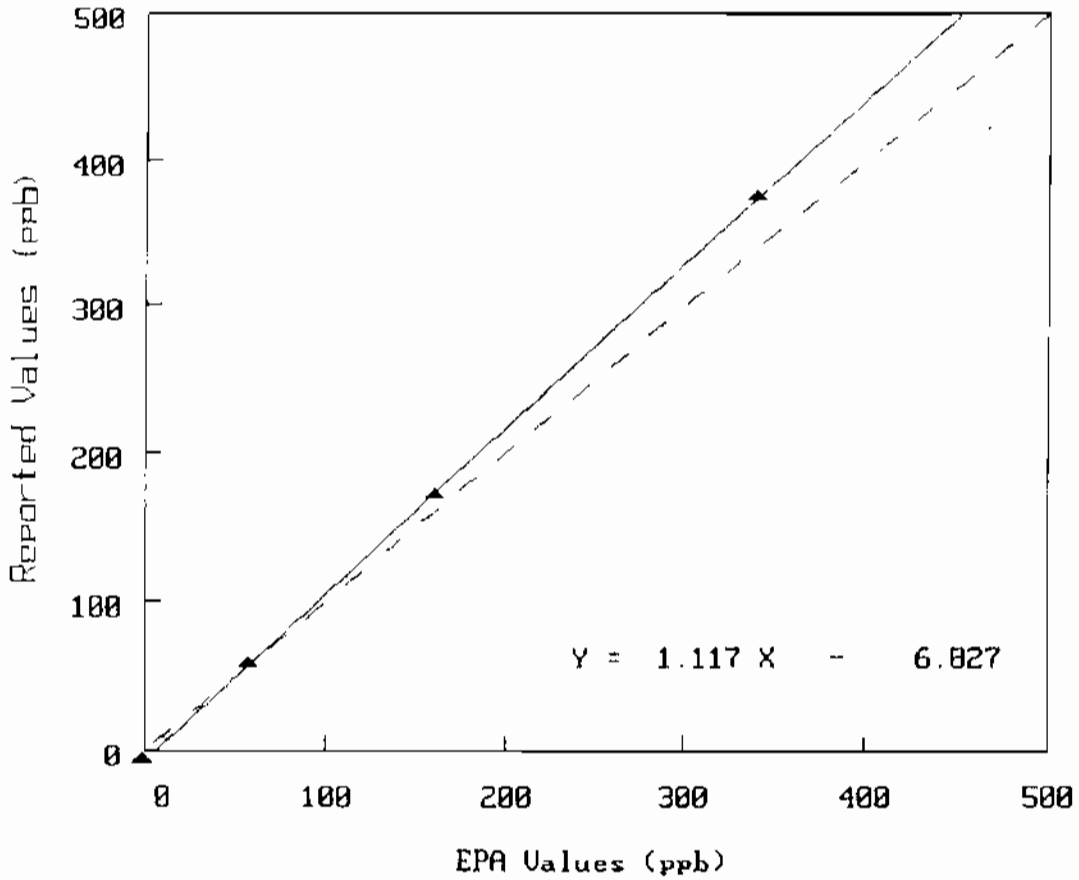
Actual values adjusted for site barometric pressure: 587.67 mm Hg

AIRS Site Number: Audit Date: 04/20/2005
Monitor Serial #: 159 Audit Device No.: 40396
Your Site ID: MER

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-6.0	0.5	-6.5	----
690	376.0	342.0	34.0	10.0
525	172.0	161.9	10.1	6.2
440	59.0	58.1	0.9	1.5

Mean Absolute % Difference = 5.9

Slope = 1.117 Intercept = -6.827 r^2 = 0.999931



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

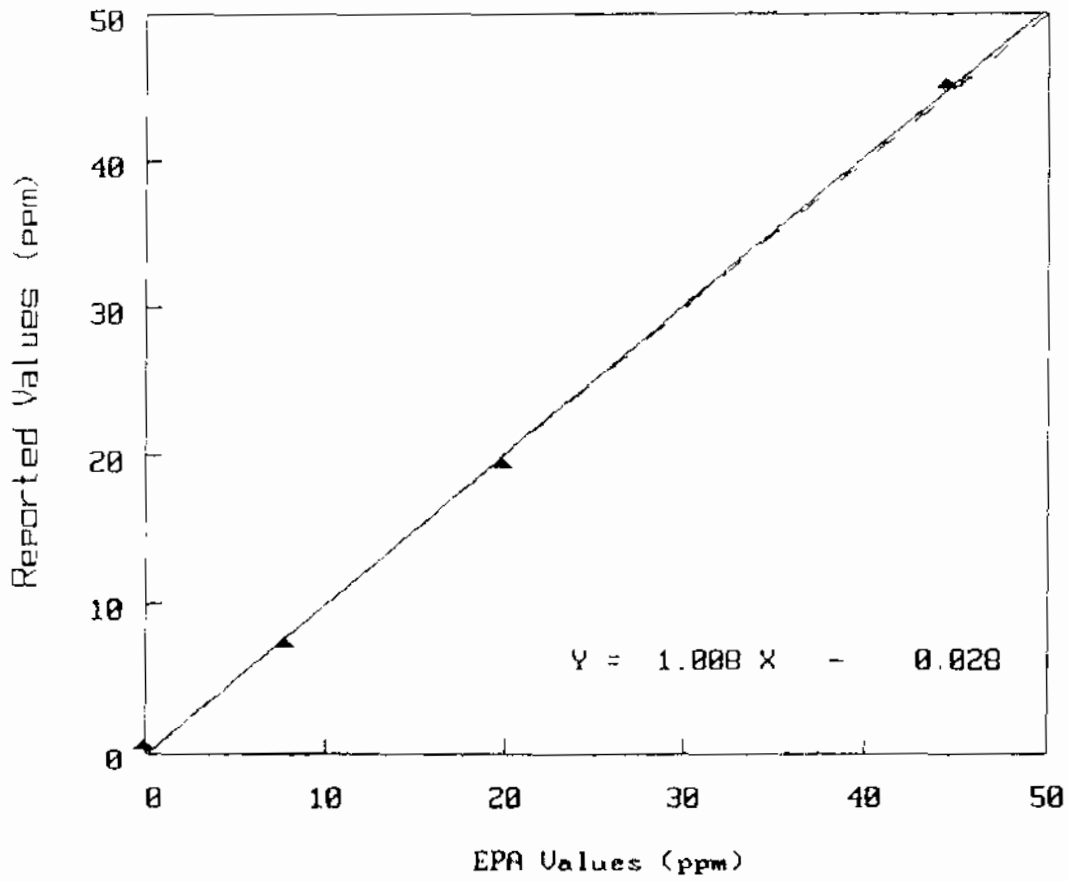
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: MER
Monitor Serial #: 091

Audit Date: 04/20/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	45.20	44.57	0.63	1.4
Med	19.50	19.95	-0.45	-2.3
Low	7.40	7.75	-0.35	-4.5
Zero	0.60	0.00	0.60	----
		Mean Absolute % Difference	=	2.7

Slope = 1.008 Intercept = -0.028 r^2 = 0.999164



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

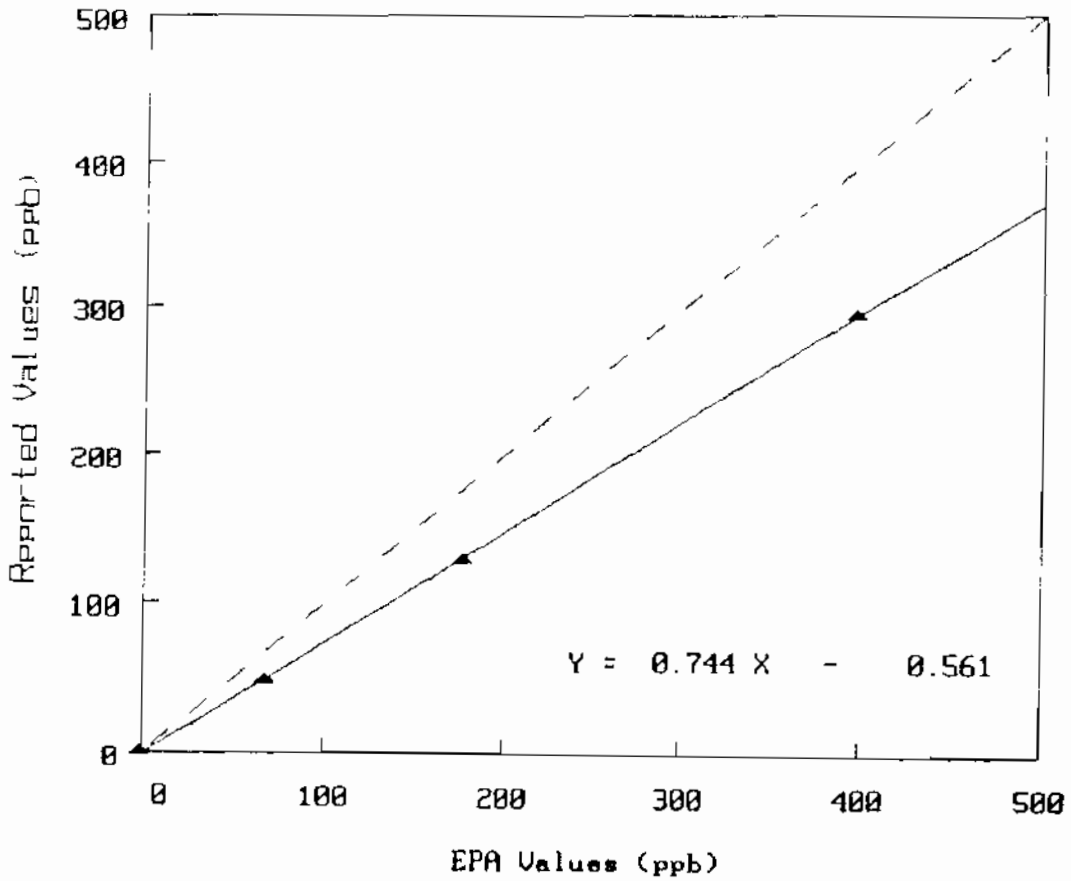
Site Number:
Your Site ID: MER
Monitor Serial #: 501

Audit Date: 04/20/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	297.00	398.94	-101.94	-25.6
Med	131.00	178.57	-47.57	-26.6
Low	50.00	69.34	-19.34	-27.9
Zero	1.00	0.00	1.00	----

Mean Absolute % Difference = 26.7

Slope = 0.744 Intercept = -0.561 r^2 = 0.999887



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

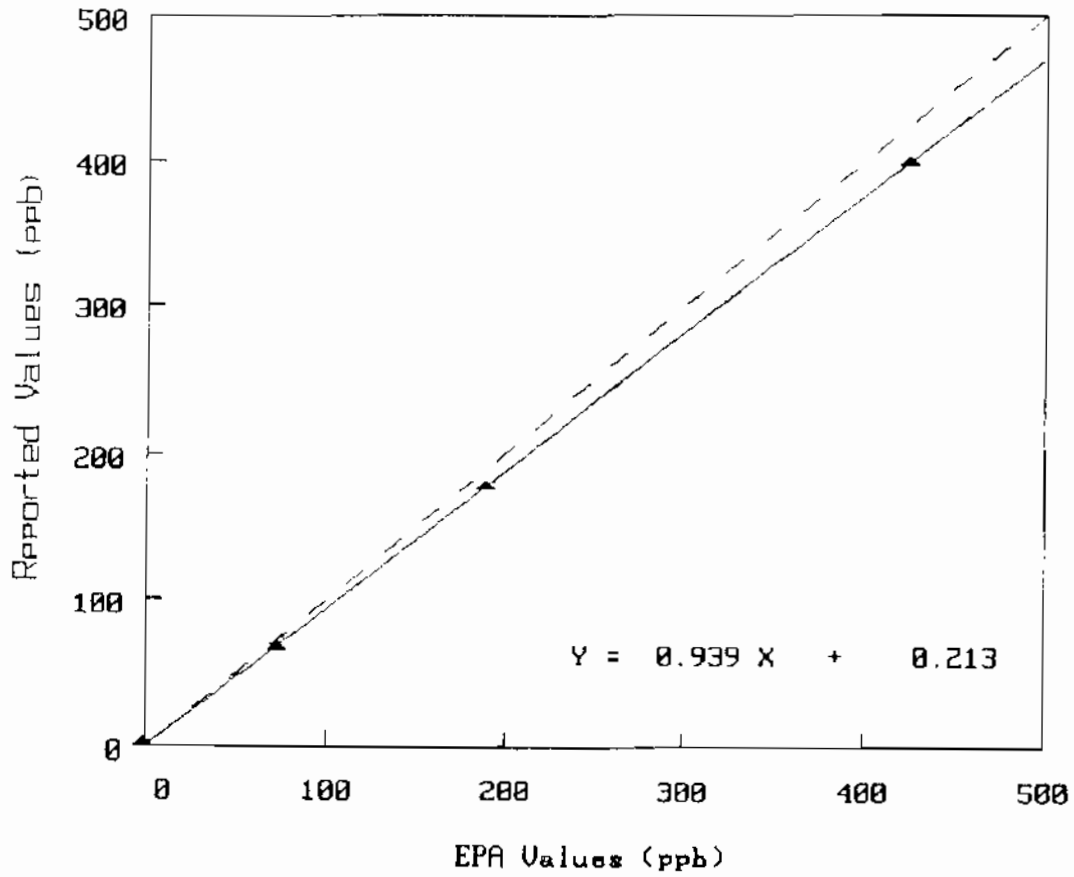
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Monitor Serial #: 499
Site ID: MER

Audit Date: 04/20/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	400.00	425.17	-25.17	-5.9
Med	178.00	190.31	-12.31	-6.5
Low	68.00	73.90	-5.90	-8.0
Zero	2.00	0.00	2.00	----
	Mean Absolute % Difference = 6.8			

NO Slope = 0.939 Intercept = 0.213 r^2 = 0.999925



AIRS Site Number: Audit Date: 04/20/2005

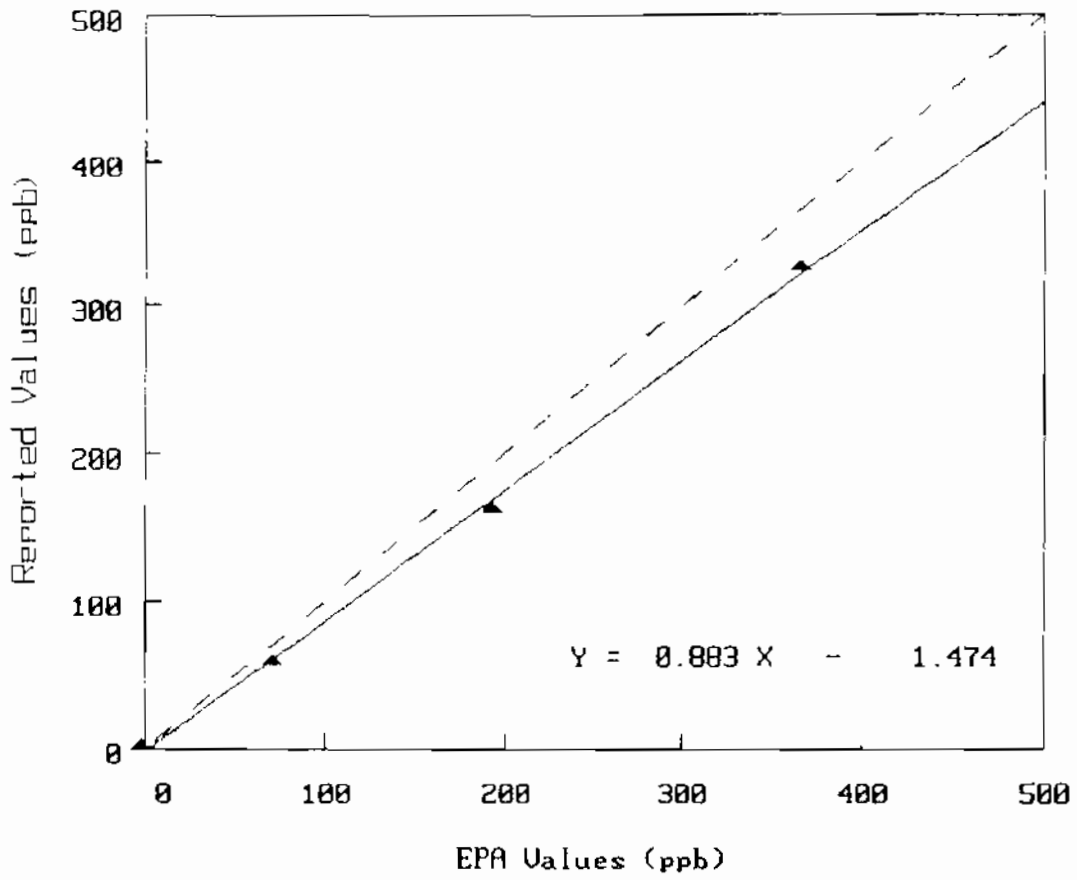
Monitor Serial #: 499 Device No.: 40396

Your Site ID: MER

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - -	ppb - - - - - - - -)		
730	327.00	367.00	-40.00	-10.9
525	163.00	194.70	-31.70	-16.3
440	60.00	71.70	-11.70	-16.3
Zero	2.00	-1.70	3.70	----

Mean Absolute % Difference = 14.5

NO_2 Slope = 0.883 Intercept =-1.474 r^2 = 0.998309



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

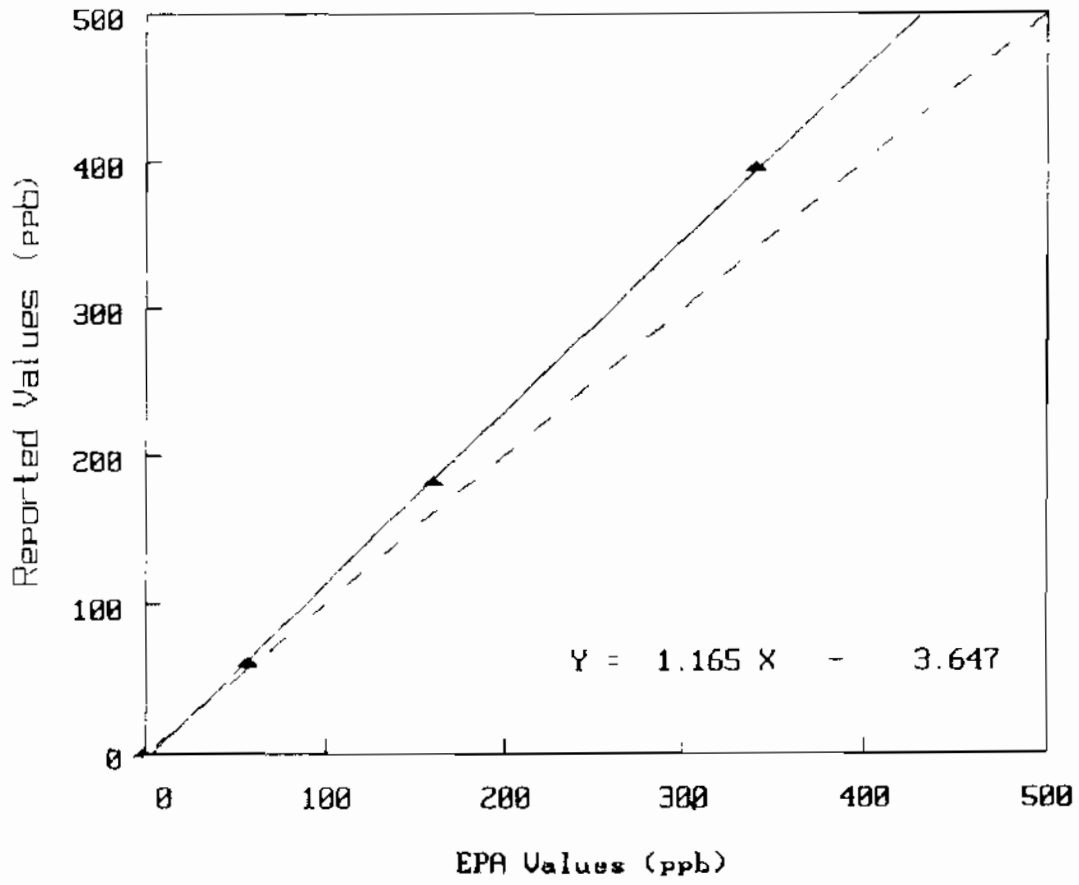
Actual values adjusted for site barometric pressure: 586.02 mm Hg

AIRS Site Number: Audit Date: 04/20/2005
Monitor Serial #: 262 Audit Device No.: 40396
Your Site ID: HAN

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	0.0	0.5	-0.5	----
690	396.0	341.6	54.4	15.9
525	182.0	161.7	20.3	12.5
440	62.0	58.0	4.0	6.8

Mean Absolute % Difference = 11.8

Slope = 1.165 Intercept = -3.647 r^2 = 0.999735



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

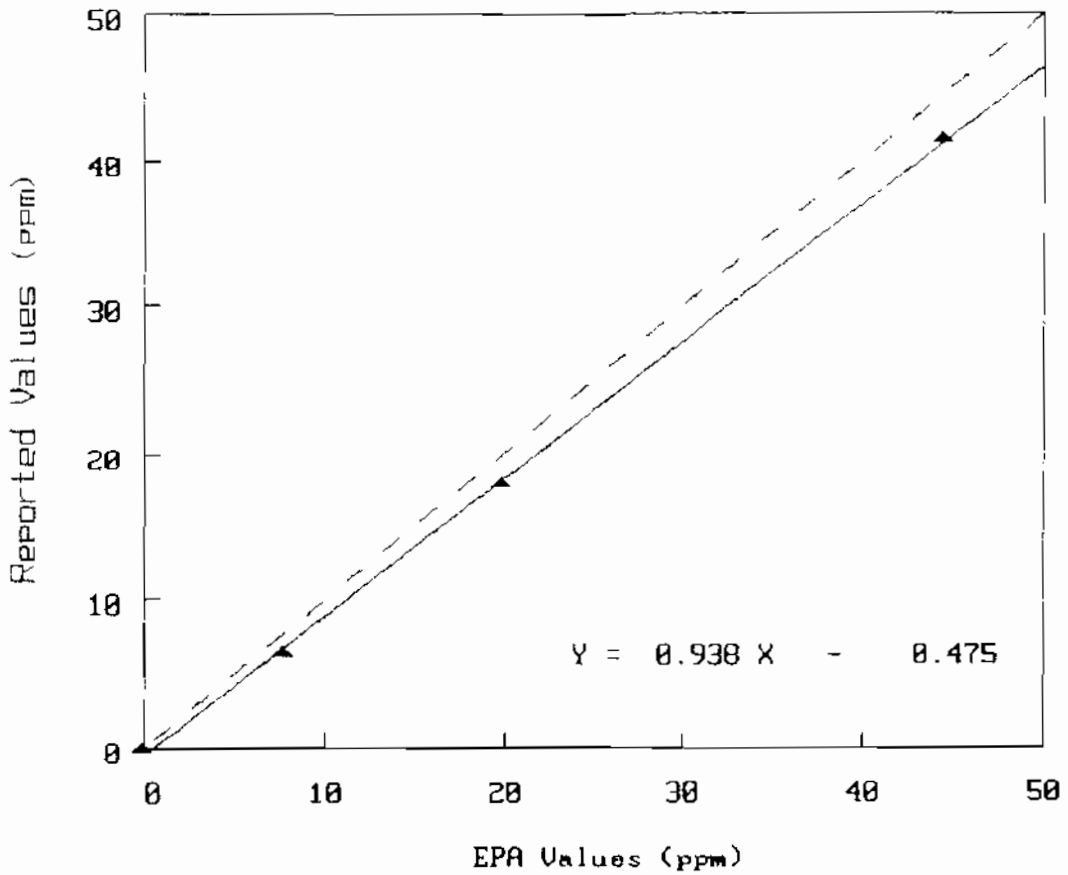
AIRS Site Number:
Your Site ID: HAN
Monitor Serial #: 113

Audit Date: 04/20/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	41.50	44.57	-3.07	-6.9
Med	18.00	19.95	-1.95	-9.8
Low	6.50	7.75	-1.25	-16.1
Zero	-0.10	0.00	-0.10	----

Mean Absolute % Difference = 10.9

Slope = 0.938 Intercept = -0.475 r^2 = 0.999691



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

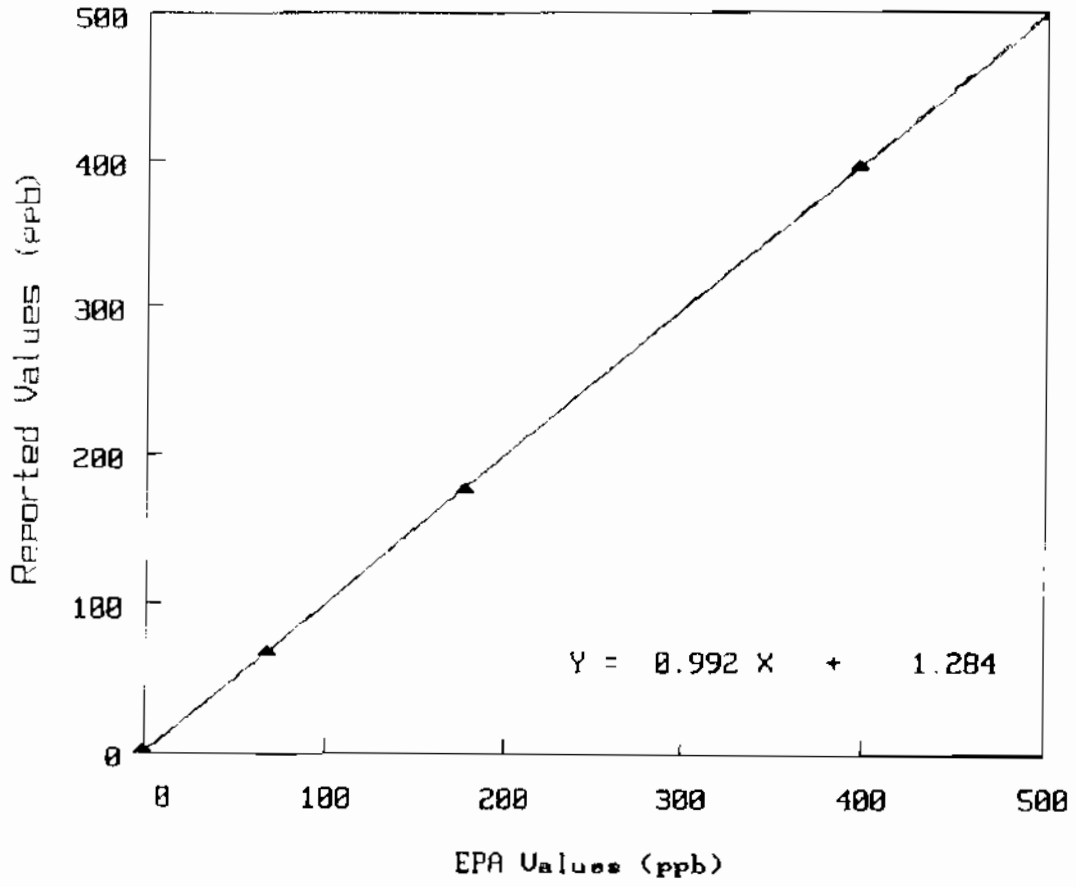
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

Site Number:
Your Site ID: HAN
Monitor Serial #: 237

Audit Date: 04/20/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	398.00	398.94	-0.94	-0.2
Med	177.00	178.57	-1.57	-0.9
Low	69.00	69.34	-0.34	-0.5
Zero	3.00	0.00	3.00	----
	Mean Absolute % Difference = 0.5			

Slope = 0.992 Intercept = 1.284 r^2 = 0.999922



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

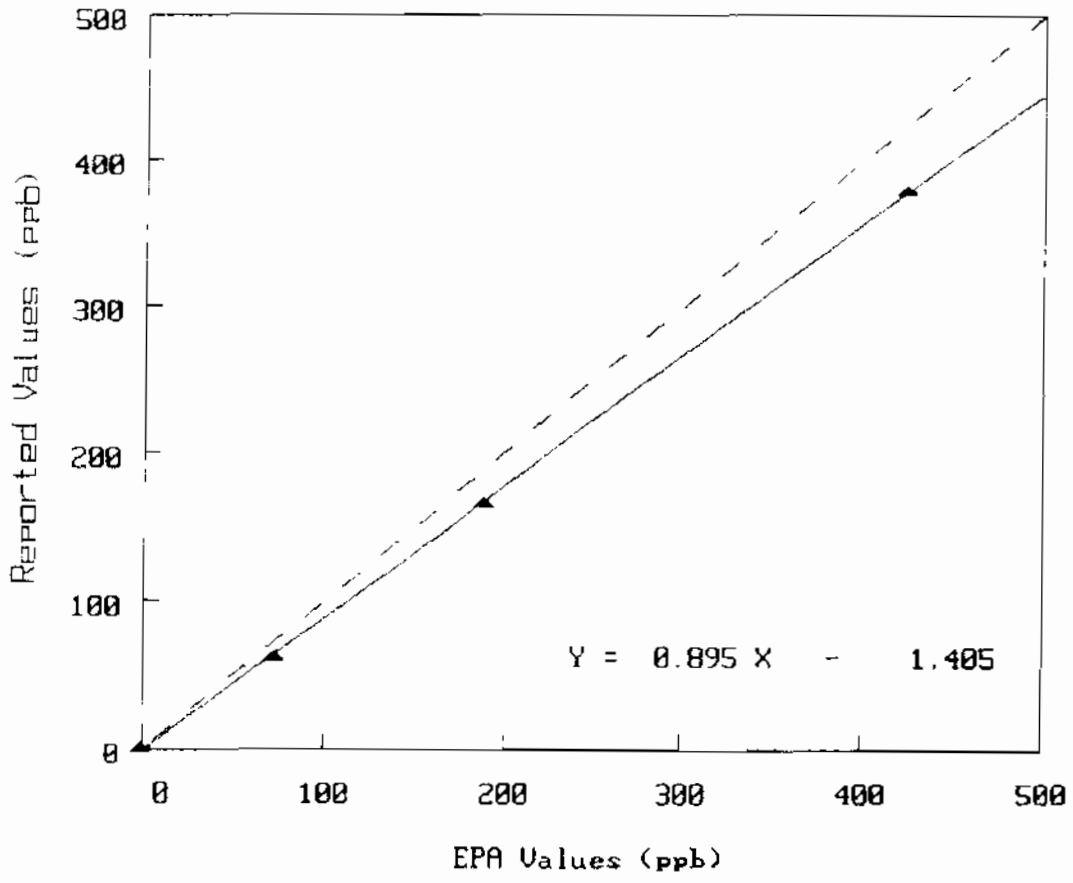
AIRS Site Number:
Monitor Serial #: 496
Site ID: HAN

Audit Date: 04/20/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	ppb			
High	380.00	425.17	-45.17	-10.6
Med	167.00	190.31	-23.31	-12.2
Low	63.00	73.90	-10.90	-14.7
Zero	1.00	0.00	1.00	----

Mean Absolute % Difference = 12.5

NO Slope = 0.895 Intercept = -1.405 r^2 = 0.999841



AIRS Site Number: Audit Date: 04/20/2005

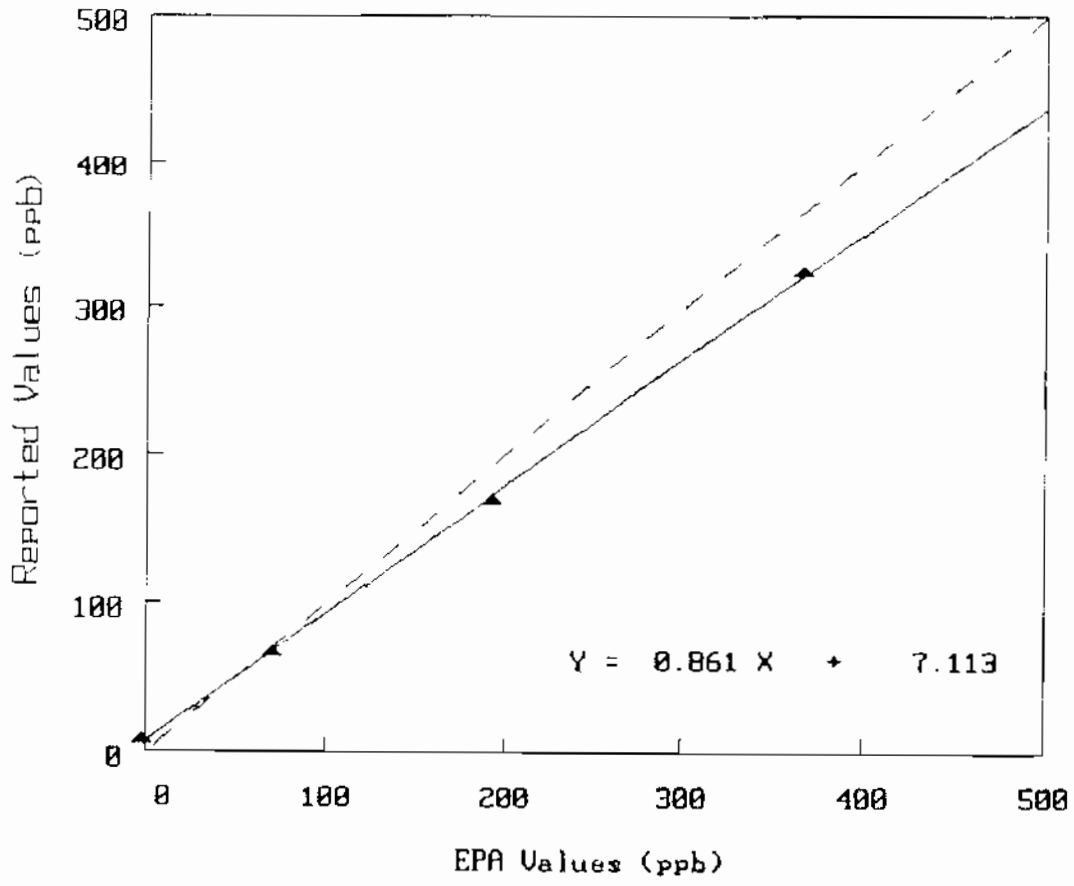
Monitor Serial #: 496 Device No.: 40396

Your Site ID: HAN

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
730	325.00	367.00	-42.00	-11.4
525	171.00	194.70	-23.70	-12.2
440	68.00	71.70	-3.70	-5.2
Zero	8.00	-1.70	9.70	----

Mean Absolute % Difference = 9.6

NO_2 Slope = 0.861 Intercept =7.113 r^2 = 0.999587



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

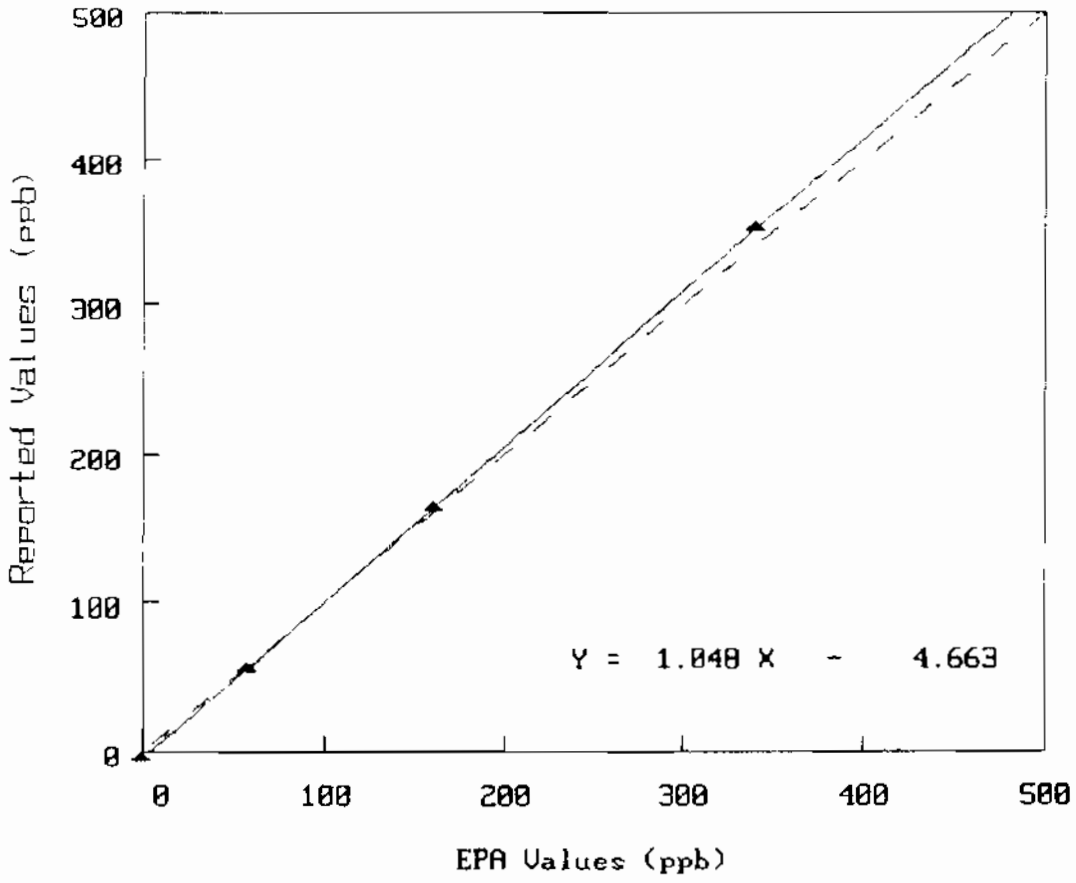
Actual values adjusted for site barometric pressure: 586.09 mm Hg

AIRS Site Number: Audit Date: 04/27/2005
Monitor Serial #: 259 Audit Device No : 40396
Your Site ID: SUR

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
0	-5.0	0.5	-5.5	----
690	353.0	341.6	11.4	3.3
525	165.0	161.8	3.2	2.0
440	57.0	58.0	-1.0	-1.8

Mean Absolute % Difference = 2.4

Slope = 1.049 Intercept = -4.663 r^2 = 0.999980



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

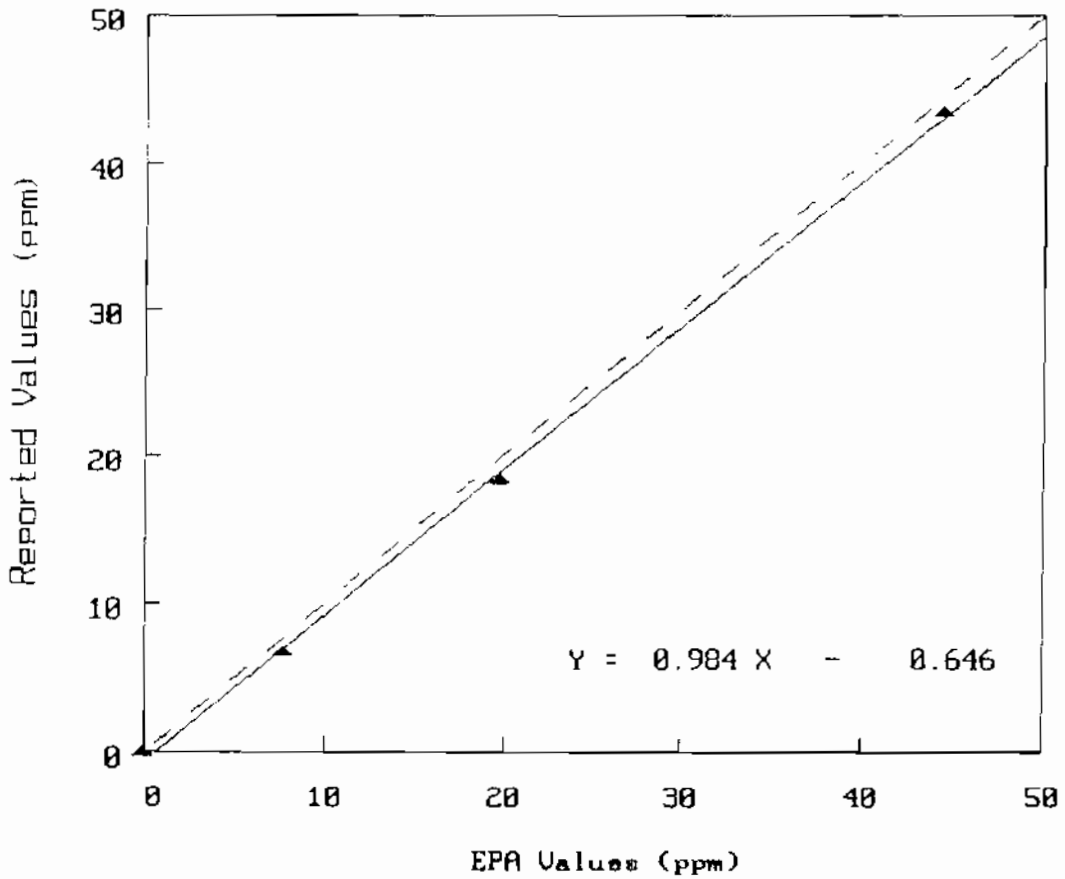
AIRS Site Number:
Your Site ID: SUR
Monitor Serial #: 301

Audit Date: 04/27/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	43.50	44.57	-1.07	-2.4
Med	18.40	19.95	-1.55	-7.8
Low	6.70	7.75	-1.05	-13.5
Zero	-0.10	0.00	-0.10	----

Mean Absolute % Difference = 7.9

Slope = 0.984 Intercept = -0.646 r^2 = 0.999275



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

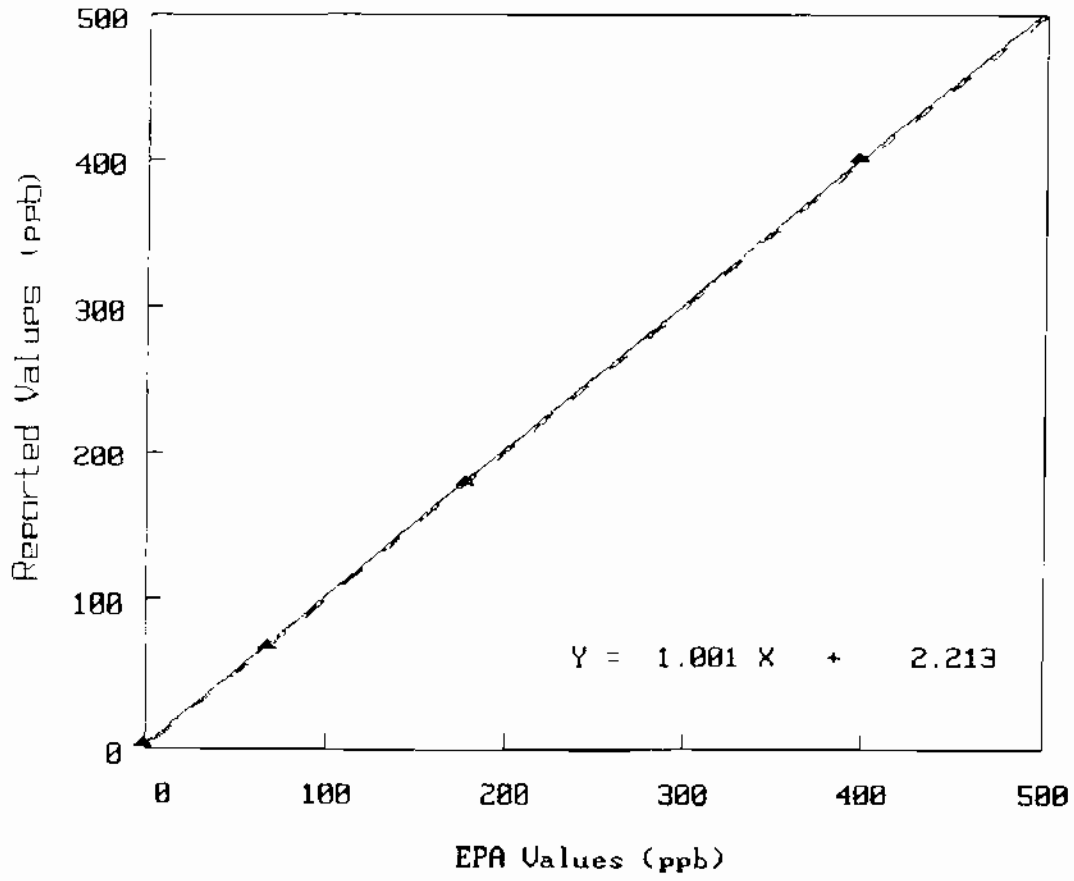
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

Site Number:
Your Site ID: SUR
Monitor Serial #: 236

Audit Date: 04/27/2005
Cyl. No.: PF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	ppb			
High	402.00	398.94	3.06	0.8
Med	180.00	178.57	1.43	0.8
Low	70.00	69.34	0.66	1.0
Zero	4.00	0.00	4.00	----
	Mean Absolute % Difference =		0.8	

Slope = 1.001 Intercept = 2.213 r^2 = 0.999925



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

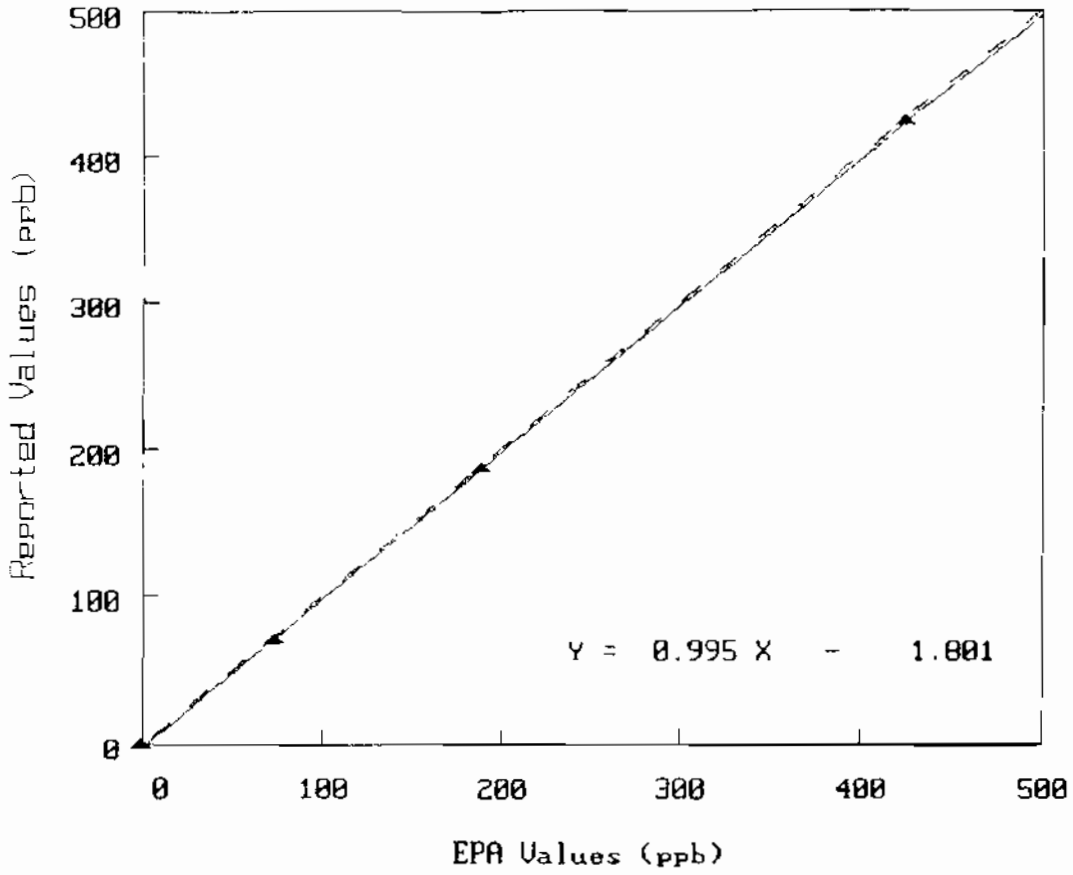
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Monitor Serial #: 525
Site ID: SUR

Audit Date: 04/27/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
High	422.00	425.17	-3.17	-0.7
Med	187.00	190.31	-3.31	-1.7
Low	70.00	73.90	-3.90	-5.3
Zero	0.00	0.00	0.00	----
	Mean Absolute % Difference = 2.6			

NO Slope = 0.995 Intercept = -1.801 r^2 = 0.999931



AIRS Site Number: Audit Date: 04/27/2005

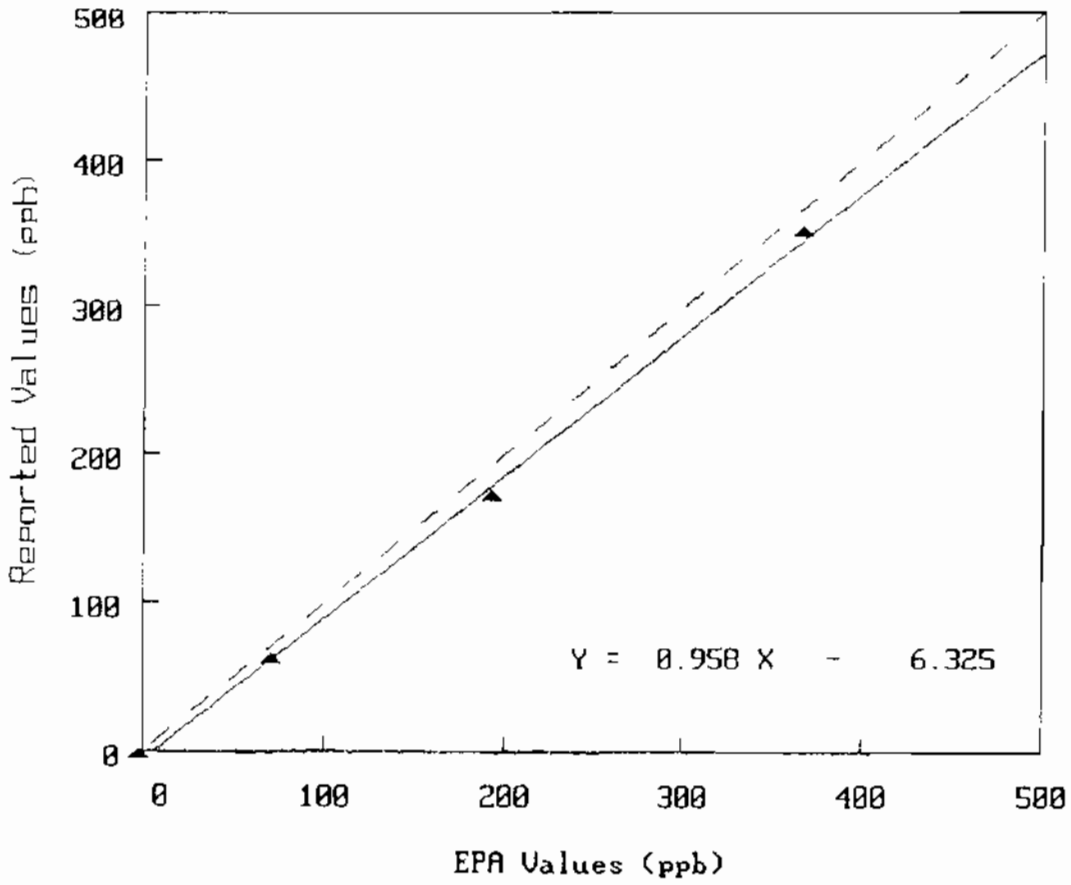
Monitor Serial #: 525 Device No.: 40396

Your Site ID: SUR

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	ppb			
730	350.00	367.00	-17.00	-4.6
525	172.00	194.70	-22.70	-11.7
440	61.00	71.70	-10.70	-14.9
Zero	-3.00	-1.70	-1.30	----

Mean Absolute % Difference = 10.4

NO_2 Slope = 0.958 Intercept =-6.325 r^2 = 0.996382



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

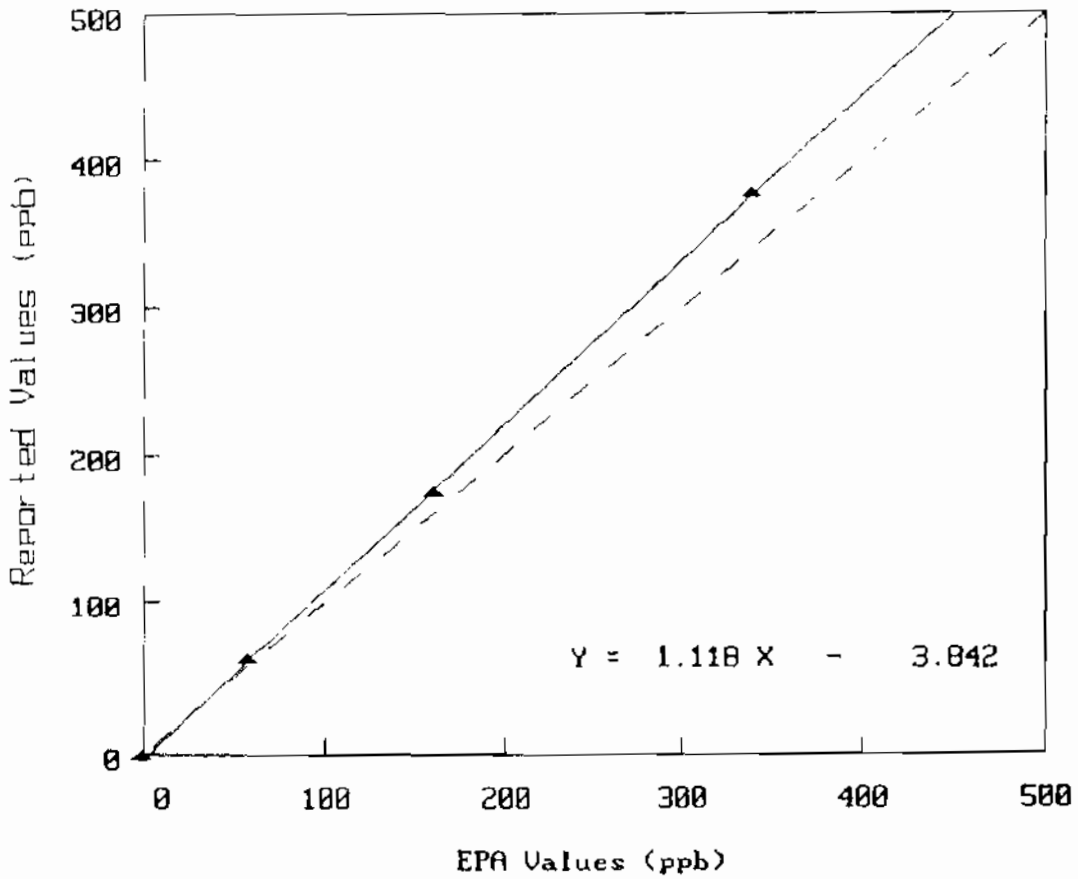
Actual values adjusted for site barometric pressure: 579.64 mm Hg

AIRS Site Number: Audit Date: 04/21/2005
Monitor Serial #: 257. Audit Device No.: 40396
Your Site ID: PED

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - -)			
0	-2.4	0.5	-2.9	----
690	377.3	340.1	37.2	10.9
525	174.2	161.1	13.1	8.2
440	60.9	57.8	3.1	5.4

Mean Absolute % Difference = 8.2

Slope = 1.118 Intercept = -3.842 r^2 = 0.999931



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

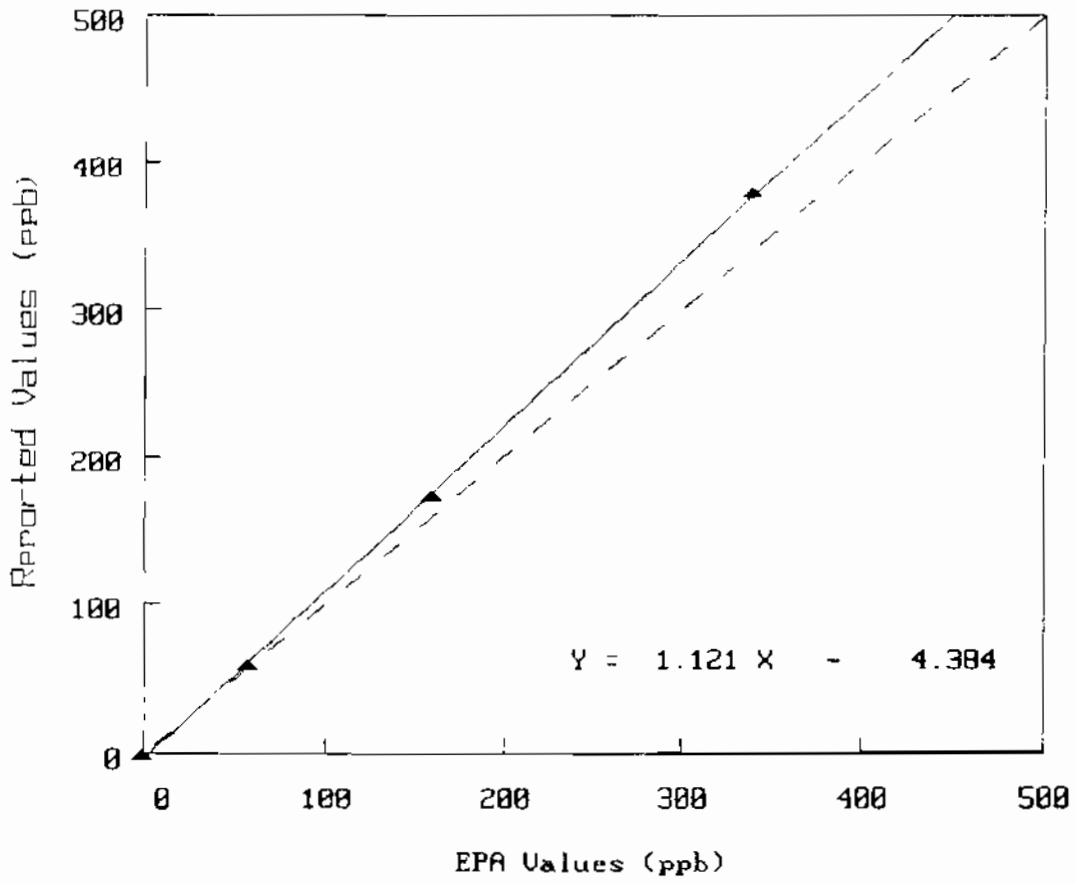
Actual values adjusted for site barometric pressure: 578.89 mm Hg

AIRS Site Number: Audit Date: 04/27/2005
Monitor Serial #: 257 Audit Device No.: 40396
Your Site ID: PED

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-1.9	0.5	-2.4	----
690	378.0	340.0	38.0	11.2
525	173.9	161.0	12.9	8.0
440	59.4	57.8	1.6	2.8

Mean Absolute % Difference = 7.3

Slope = 1.121 Intercept = -4.384 r^2 = 0.999867



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

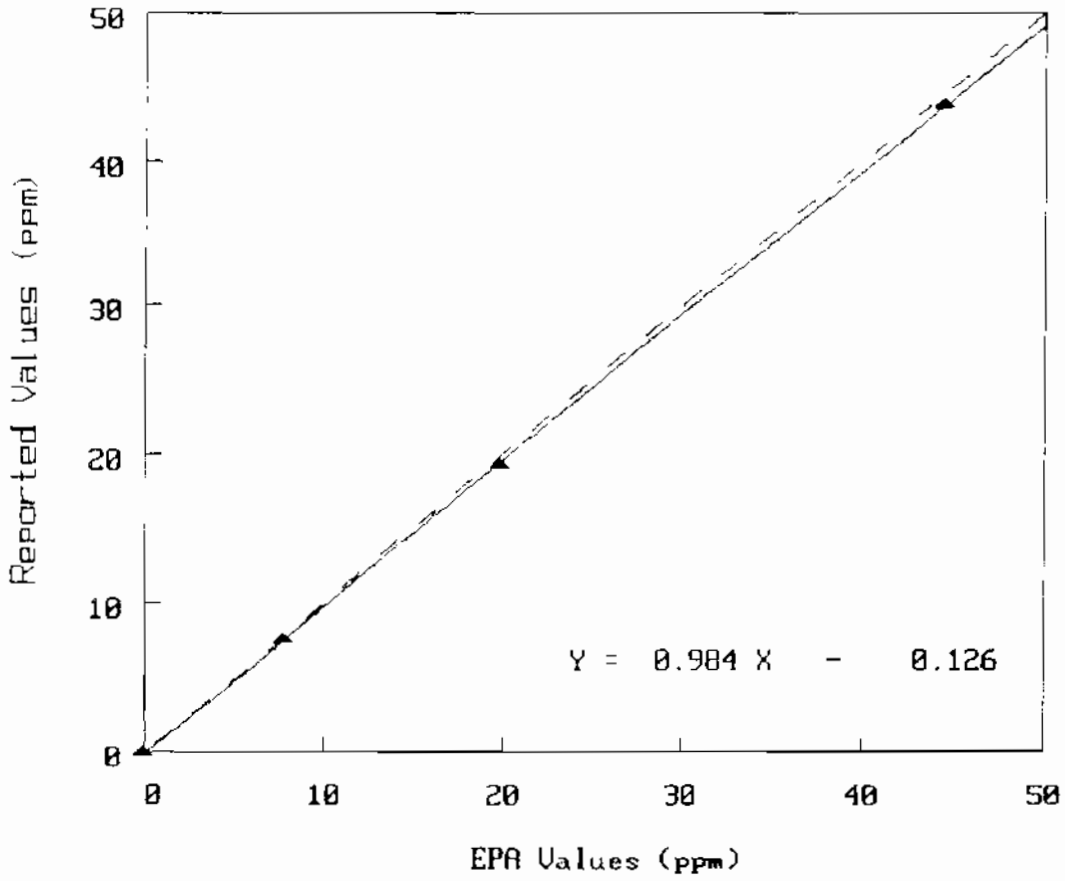
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: PED
Monitor Serial #: 1169.

Audit Date: 04/21/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	43.80	44.57	-0.77	-1.7
Med	19.30	19.95	-0.65	-3.3
Low	7.60	7.75	-0.15	-1.9
Zero	-0.10	0.00	-0.10	----
		Mean Absolute % Difference	=	2.3

Slope = 0.984 Intercept = -0.126 r^2 = 0.999947



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

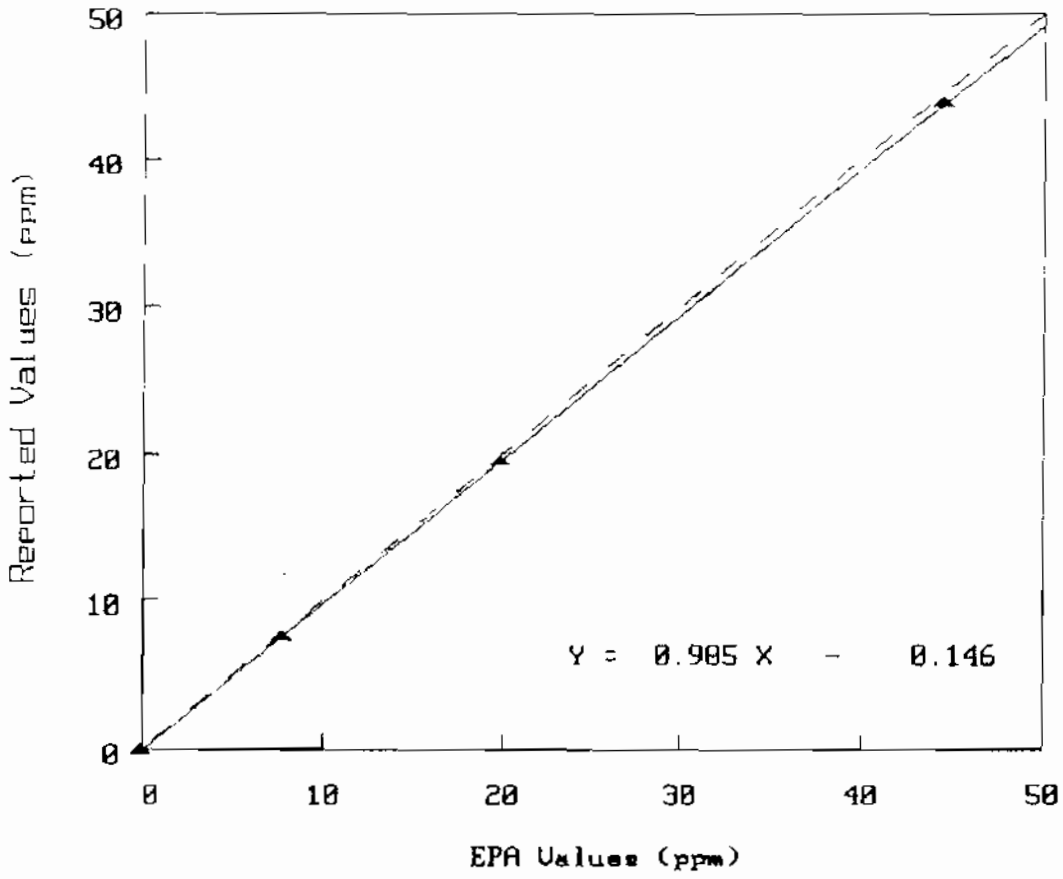
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: PED
Monitor Serial #: 1169

Audit Date: 04/27/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	43.80	44.57	-0.77	-1.7
Med	19.40	19.95	-0.55	-2.8
Low	7.50	7.75	-0.25	-3.2
Zero	-0.10	0.00	-0.10	----
		Mean Absolute % Difference	=	2.6

Slope = 0.985 Intercept = -0.146 r^2 = 0.999986



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embasey Mexico City
225 Vermillion Road
Brownsville, TX 78521

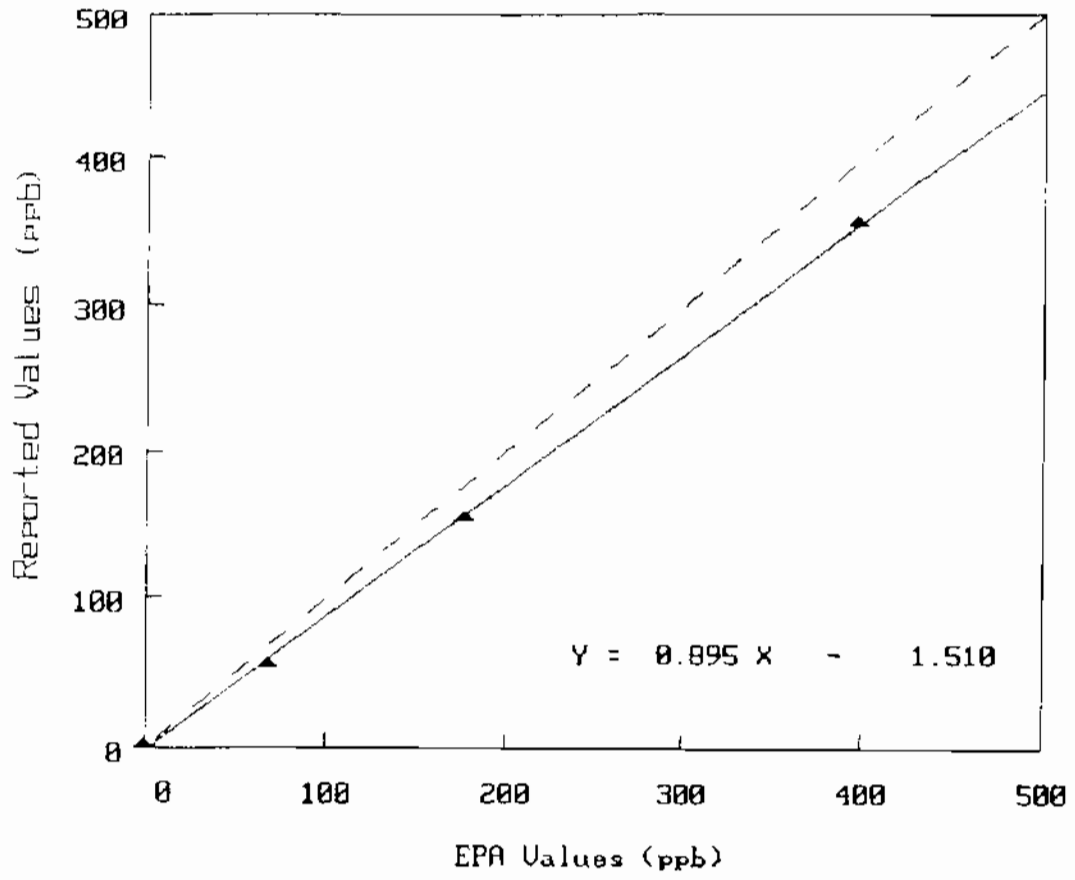
Site Number:
Your Site ID: PED
Monitor Serial #: 495

Audit Date: 04/27/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - -	ppb - - - - - - -)		
High	356.90	398.94	-42.04	-10.5
Med	156.50	178.57	-22.07	-12.4
Low	57.00	69.34	-12.34	-17.8
Zero	2.40	0.00	2.40	----

Mean Absolute % Difference = 13.6

Slope = 0.895 Intercept = -1.510 r^2 = 0.999549



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

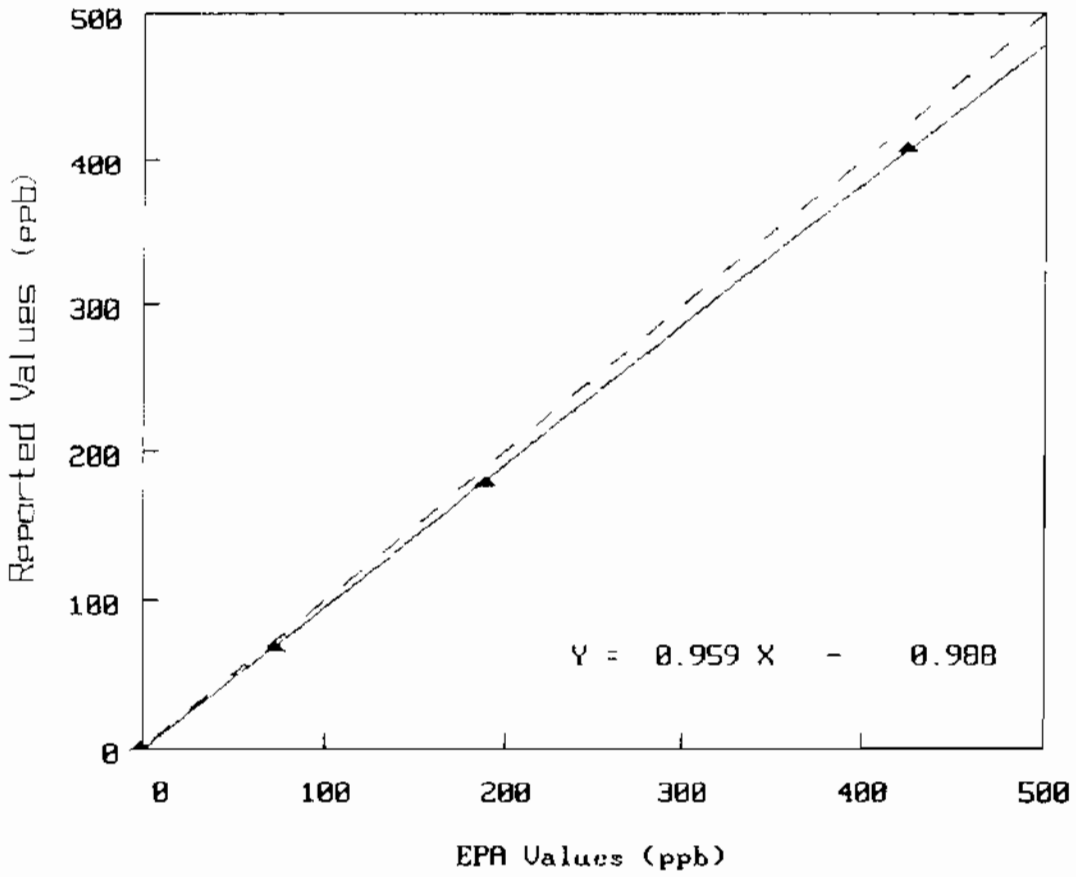
AIRS Site Number:
Monitor Serial #: 517
Site ID: PED

Audit Date: 04/27/2005
NO Cyl. No.: PF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	408.10	425.17	-17.07	-4.0
Med	179.30	190.31	-11.01	-5.8
Low	68.00	73.90	-5.90	-8.0
Zero	1.80	0.00	1.80	----

Mean Absolute % Difference = 5.9

NO Slope = 0.959 Intercept = -0.988 r^2 = 0.999811



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

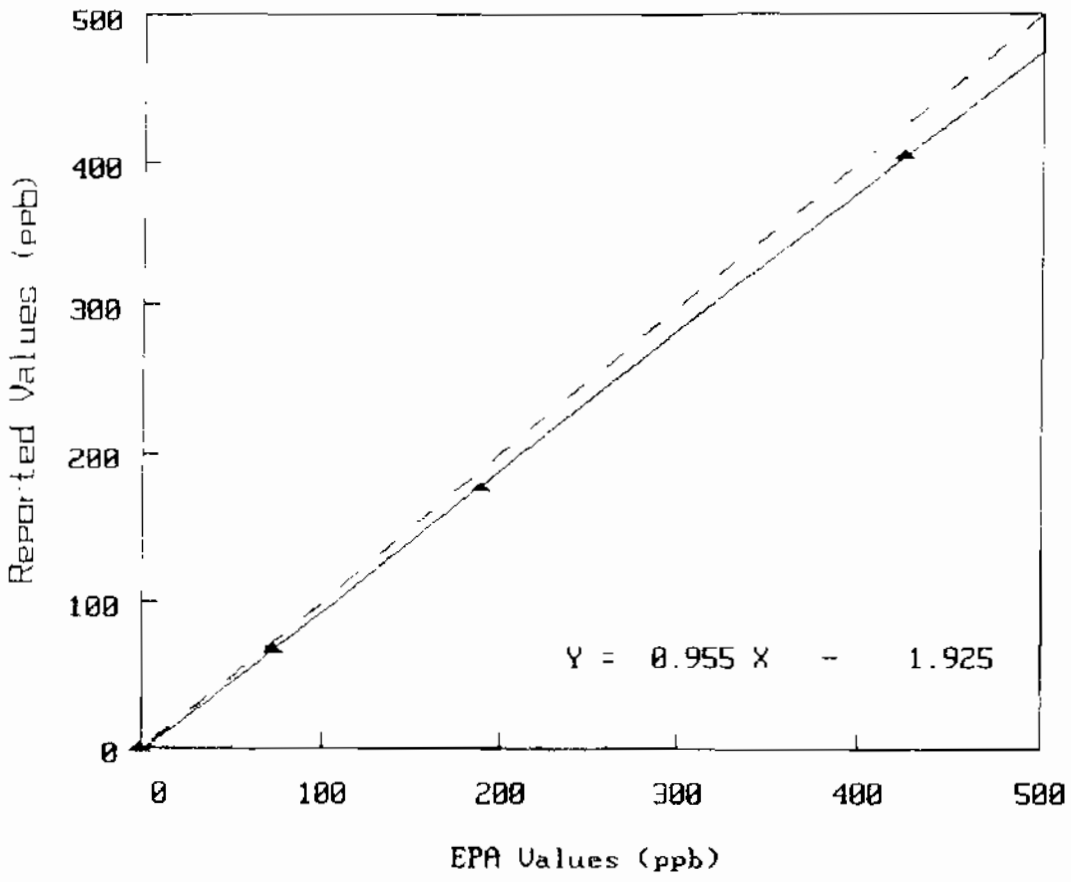
AIRS Site Number:
Monitor Serial #: 517.
Site ID: PED

Audit Date: 04/23/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - -	ppb - - - - - - -)		
High	405.40	425.17	-19.77	-4.6
Med	177.10	190.31	-13.21	-6.9
Low	68.00	73.90	-5.90	-8.0
Zero	0.10	0.00	0.10	----

Mean Absolute % Difference = 6.5

NO Slope = 0.955 Intercept = -1.925 r^2 = 0.993856



AIRS Site Number: Audit Date: 04/23/2005

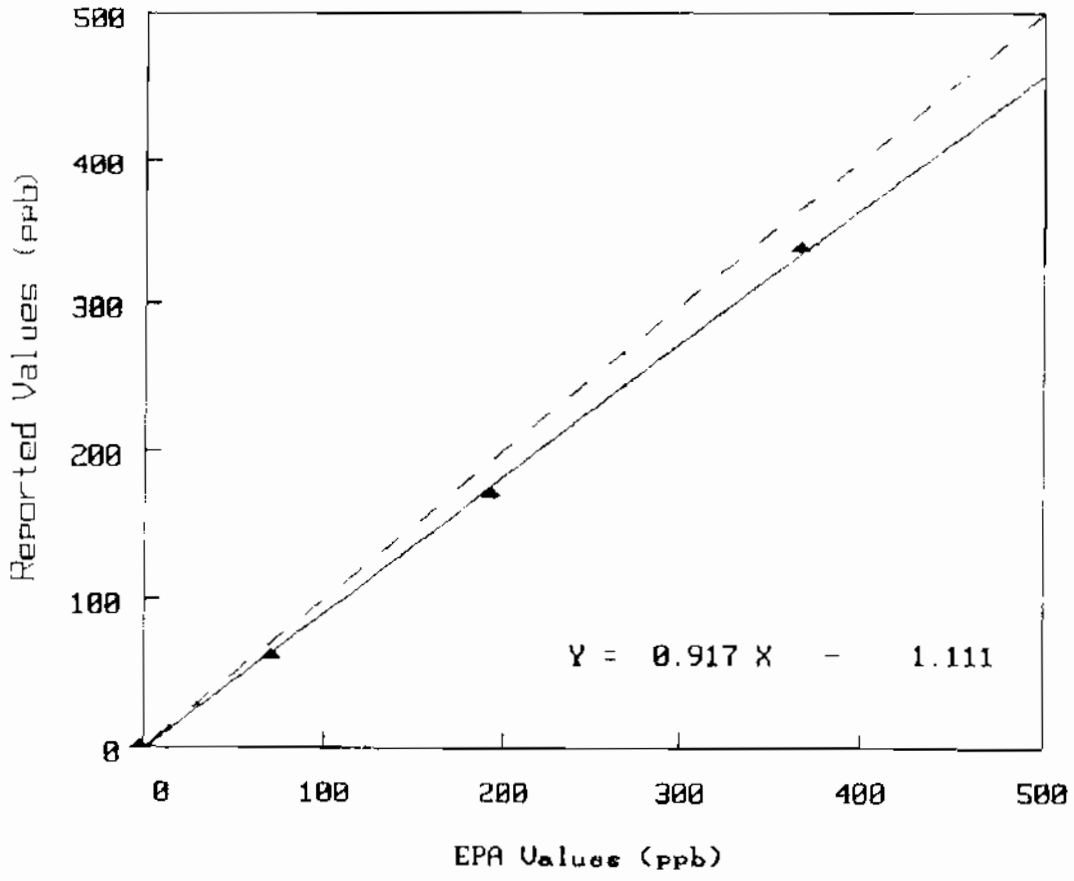
Monitor Serial #: 517. Device No.: 40396

Your Site ID: PED

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
730	338.80	367.00	-28.20	-7.7
525	172.00	194.70	-22.70	-11.7
440	62.90	71.70	-8.80	-12.3
Zero	1.30	-1.70	3.00	----

Mean Absolute % Difference = 10.5

NO_2 Slope = 0.917 Intercept =-1.111 r^2 = 0.999092



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

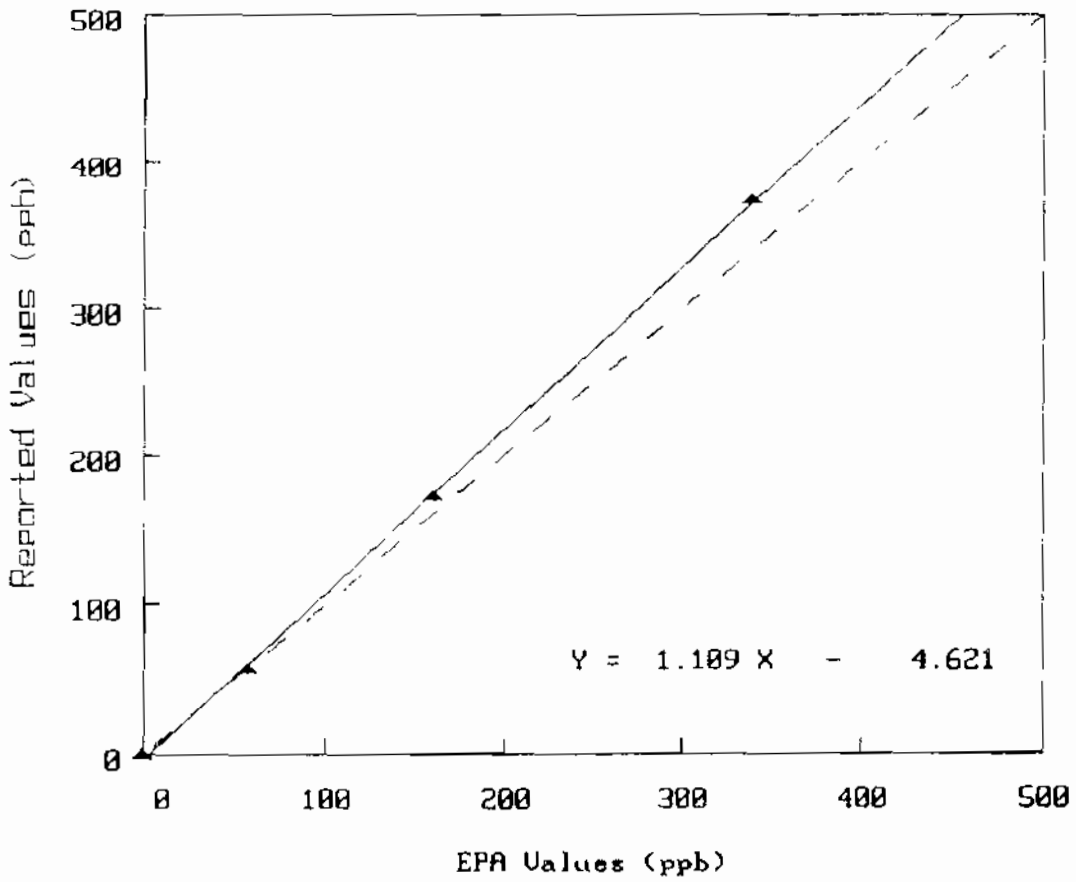
Actual values adjusted for site barometric pressure: 579.34 mm Hg

AIRS Site Number: Audit Date: 04/21/2005
Monitor Serial # 132 Audit Device No.: 40396
Your Site ID: PLA

Pot. Setting	Reported Values	Actual Valuee	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-1.0	0.5	-1.5	----
690	374.0	340.1	33.9	10.0
525	172.0	161.0	11.0	6.8
440	57.0	57.8	-0.8	-1.4

Mean Absolute % Difference = 6.0

Slope = 1.109 Intercept = -4.621 r^2 = 0.999735



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

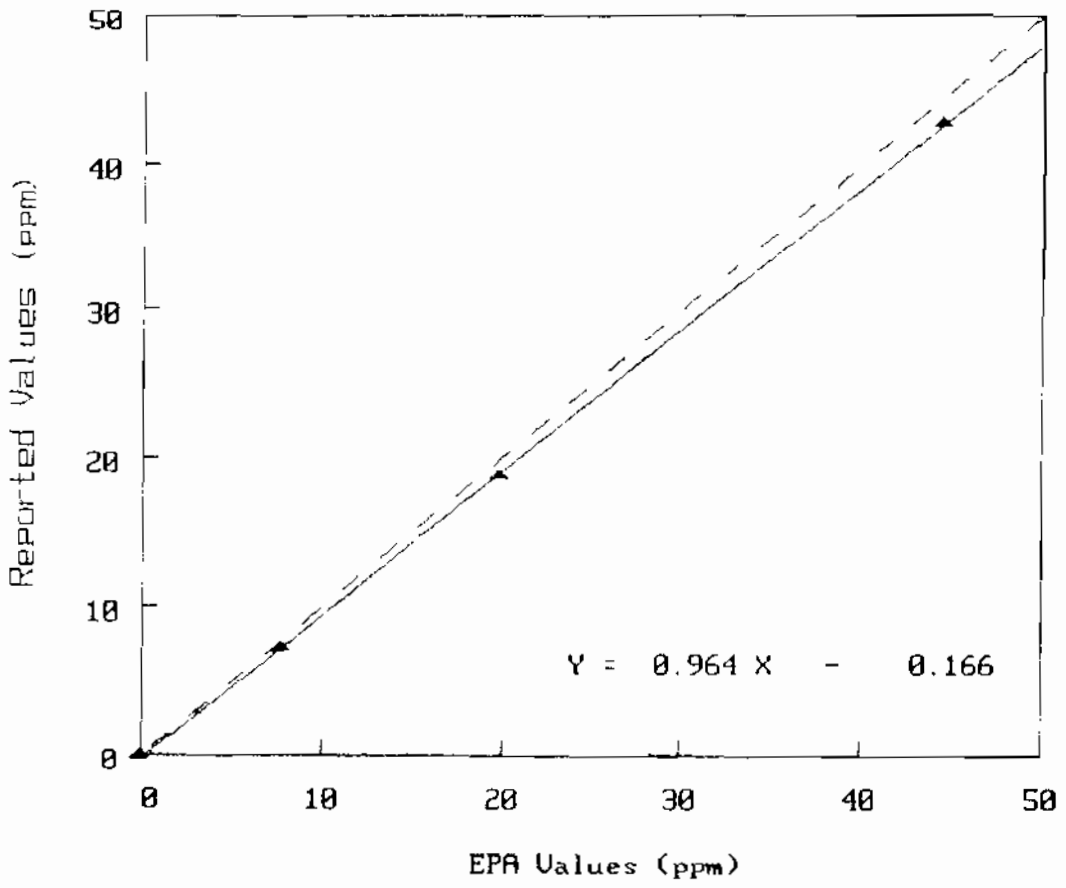
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Your Site ID: PLA
Monitor Serial #: 488

Audit Date: 04/21/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	42.90	44.57	-1.67	-3.7
Med	18.80	19.95	-1.15	-5.8
Low	7.40	7.75	-0.35	-4.5
Zero	-0.10	0.00	-0.10	----
		Mean Absolute % Difference	=	4.7

Slope = 0.964 Intercept = -0.166 r^2 = 0.999911



Results of SO2 Continuous Audit

for 1st Quarter 2005

08/31/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

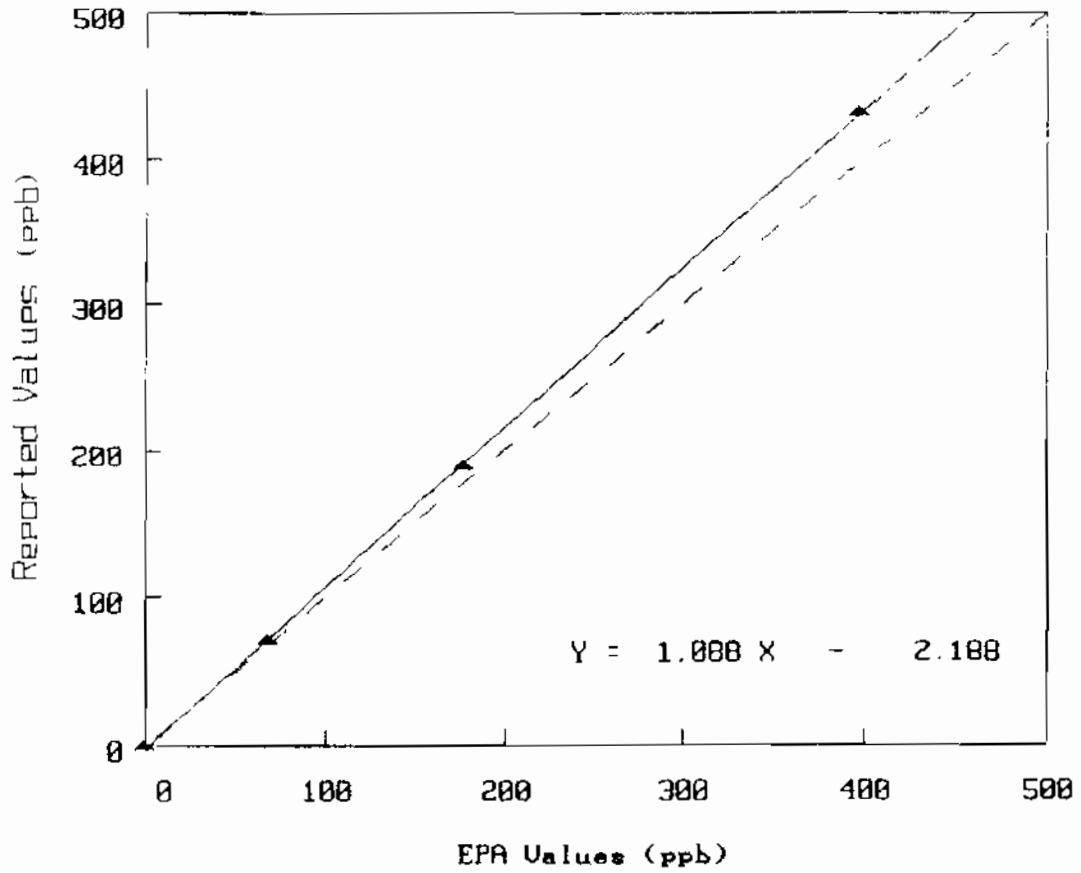
Site Number:
Your Site ID: PLA
Monitor Serial #: 459

Audit Date: 04/21/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
High	433.00	398.94	34.06	8.5
Med	190.00	178.57	11.43	6.4
Low	72.00	69.34	2.66	3.8
Zero	0.00	0.00	0.00	----

Mean Absolute % Difference = 6.3

Slope = 1.088 Intercept = -2.188 r^2 = 0.999888



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

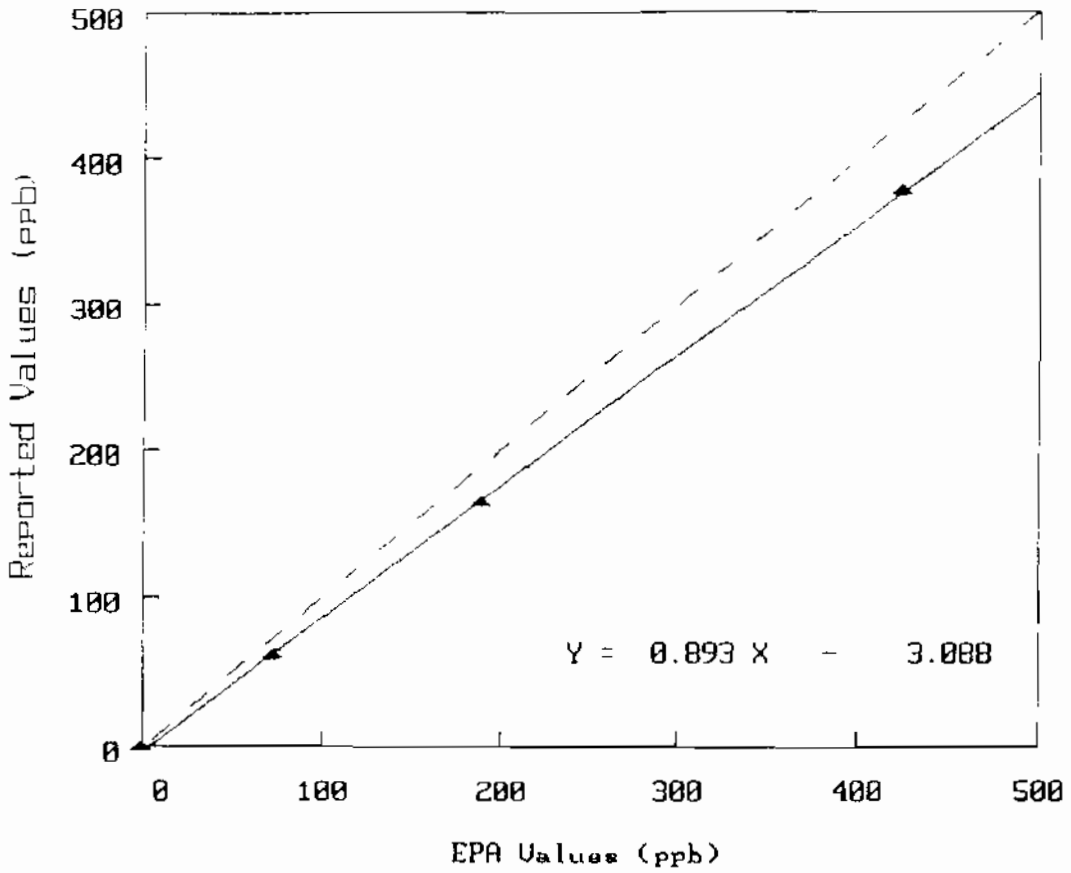
AIRS Site Number:
Monitor Serial #: 529
Site ID: PLA

Audit Date: 04/21/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - -	ppb - - - - - - - -)		
High	378.00	425.17	-47.17	-11.1
Med	164.00	190.31	-26.31	-13.8
Low	61.00	73.90	-12.90	-17.5
Zero	0.00	0.00	0.00	----

Mean Absolute % Difference = 14.1

NO Slope = 0.893 Intercept = -3.088 r^2 = 0.999718



AIRS Site Number: Audit Date: 04/21/2005

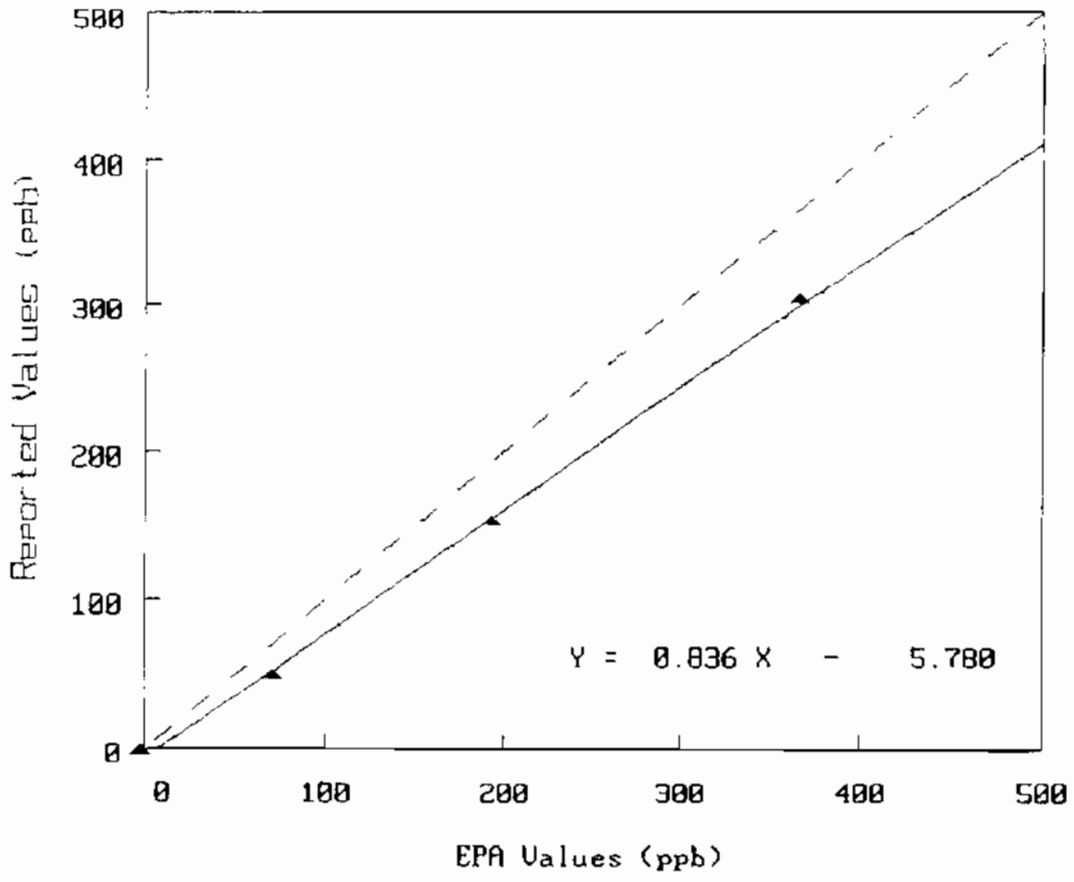
Monitor Serial #: 529 Device No.: 40396

Your Site ID: PLA

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
730	304.00	367.00	-63.00	-17.2
525	153.00	194.70	-41.70	-21.4
440	50.00	71.70	-21.70	-30.3
Zero	-2.00	-1.70	-0.30	----

Mean Absolute % Difference = 22.9

NO_2 Slope = 0.836 Intercept =-5.780 r^2 = 0.998734



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

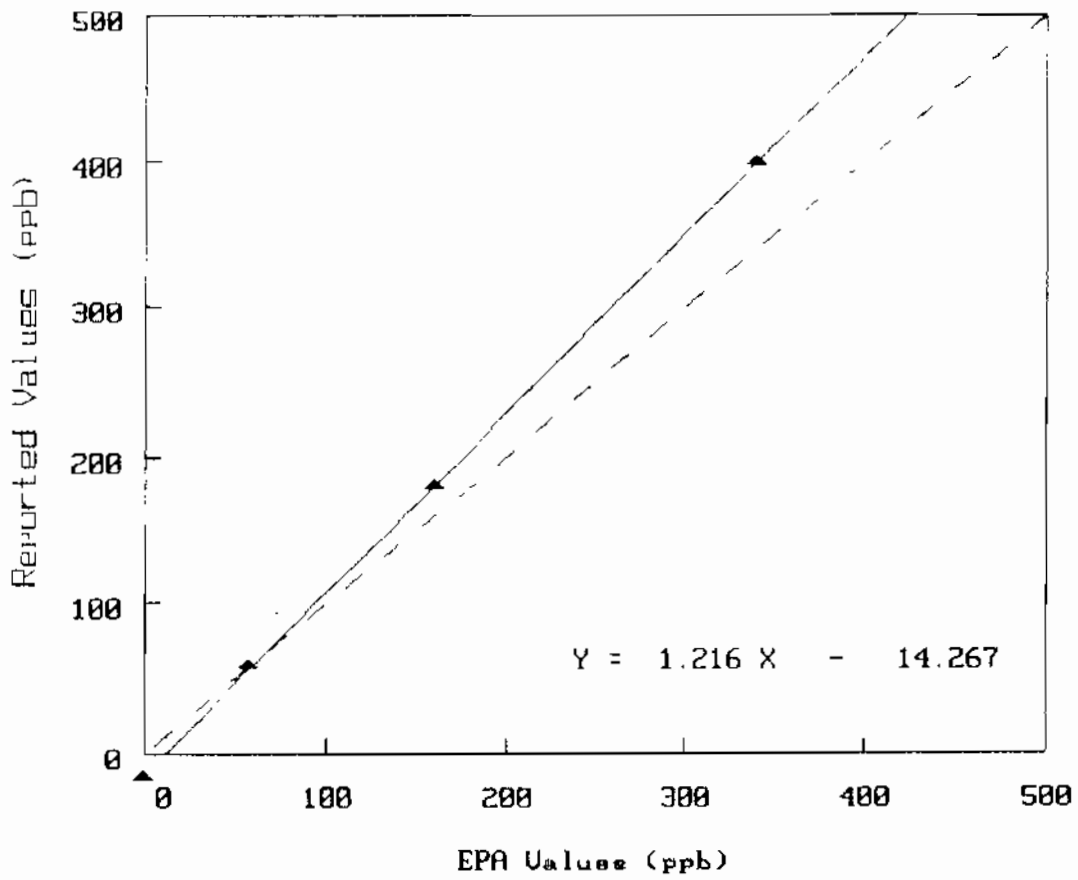
Actual values adjusted for site barometric pressure: 584.14 mm Hg

AIRS Site Number: Audit Date: 04/26/2005
Monitor Serial #: 792 Audit Device No.: 40396
Your Site ID: COY

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - -)			
0	-16.0	0.5	-16.5	----
690	400.0	341.2	59.8	17.2
525	182.0	161.5	20.5	12.7
440	59.0	58.0	1.0	1.8

Mean Absolute % Difference = 10.6

Slope = 1.216 Intercept = -14.267 r^2 = 0.999866



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

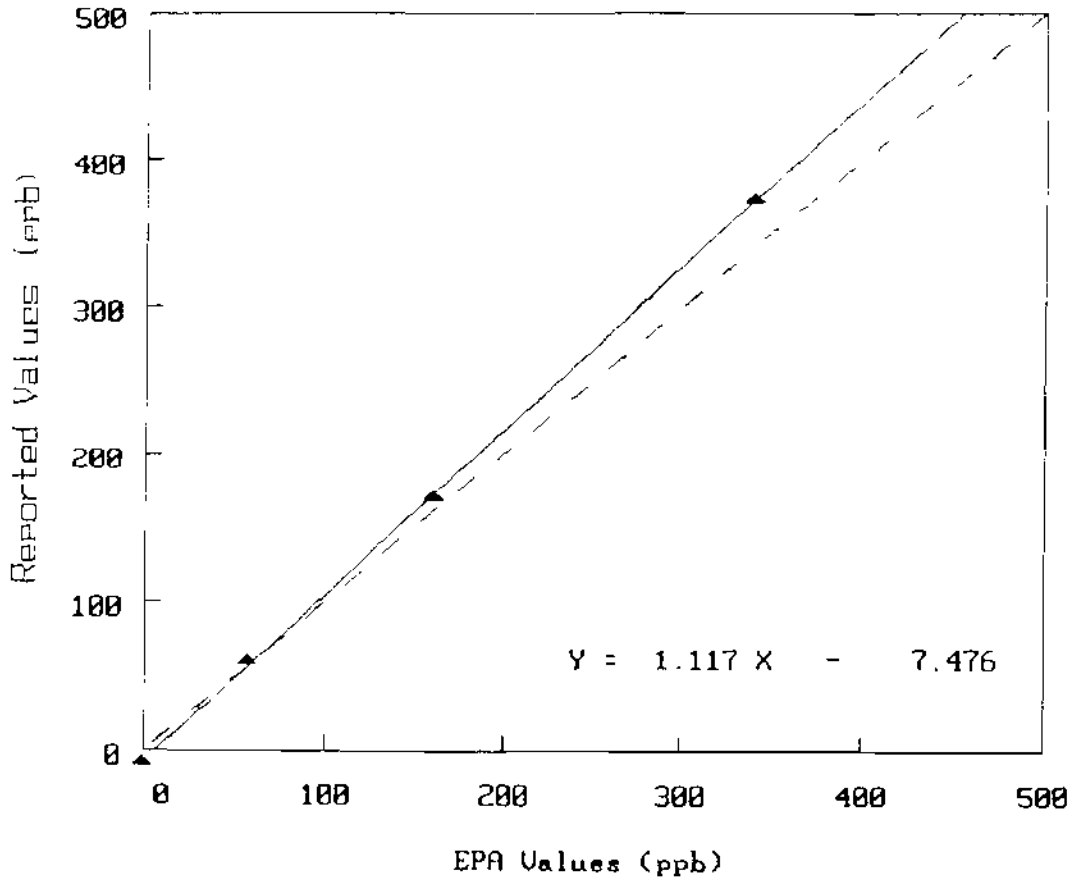
Actual values adjusted for site barometric pressure: 584.29 mm Hg

AIRS Site Number: Audit Date: 04/22/2005
Monitor Serial #: 438 Audit Device No.: 40396
Your Site ID: CES

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - -)			
0	-9.0	0.5	-9.5	----
690	374.0	341.2	32.8	9.6
525	171.0	161.6	9.4	5.8
440	61.0	58.0	3.0	5.2

Mean Absolute % Difference = 6.9

Slope = 1.117 Intercept = -7.476 r^2 = 0.999737



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

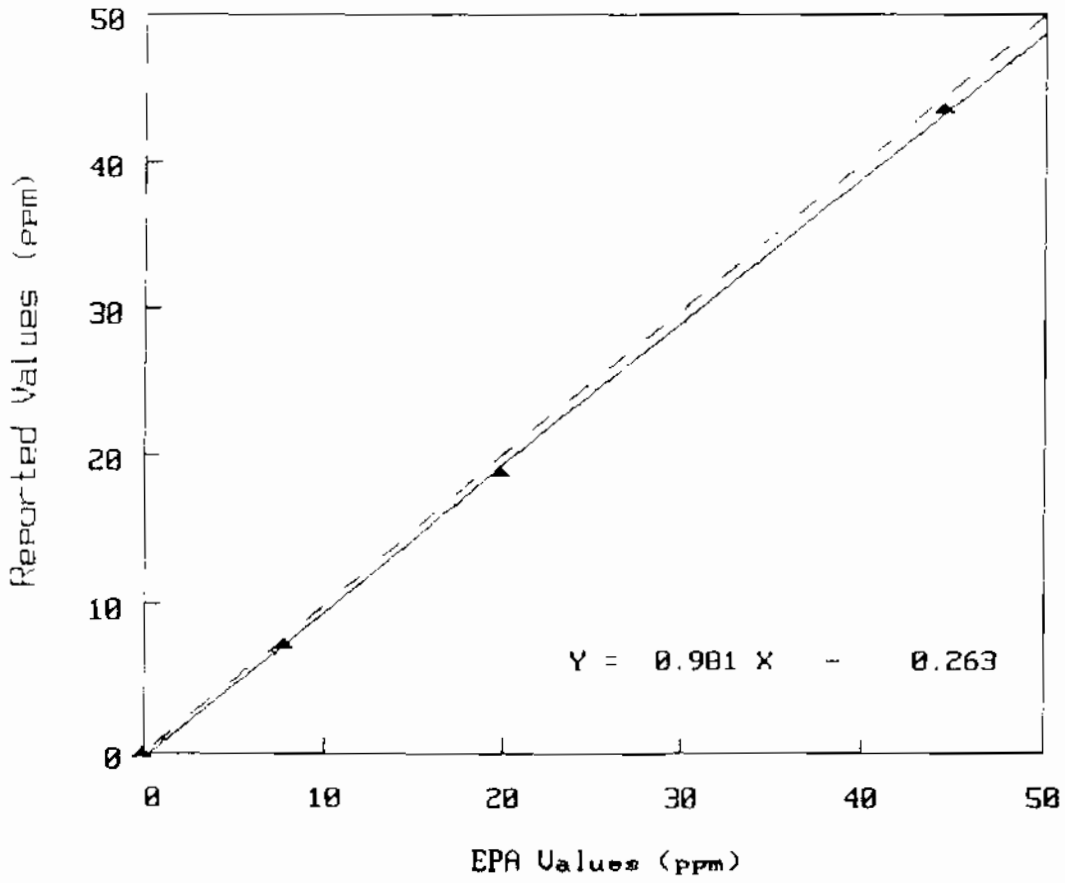
AIRS Site Number:
Your Site ID: CES
Monitor Serial #: 1165

Audit Date: 04/22/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	43.60	44.57	-0.97	-2.2
Med	18.90	19.95	-1.05	-5.3
Low	7.40	7.75	-0.35	-4.5
Zero	-0.10	0.00	-0.10	----

Mean Absolute % Difference = 4.0

Slope = 0.981 Intercept = -0.263 r^2 = 0.999803



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

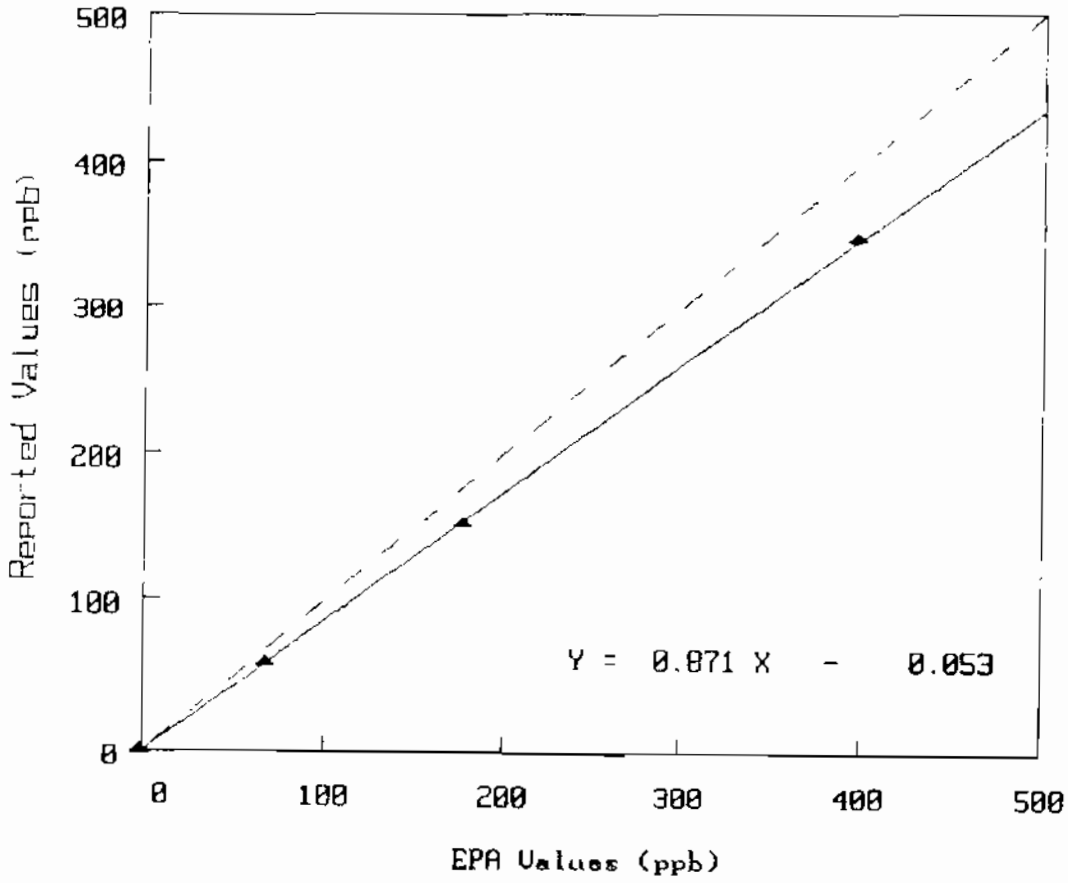
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

Site Number:
Your Site ID: CES
Monitor Serial #: 498

Audit Date: 04/22/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - - -)			
High	348.00	398.94	-50.94	-12.8
Med	154.00	178.57	-24.57	-13.8
Low	60.00	69.34	-9.34	-13.5
Zero	1.00	0.00	1.00	----
	Mean Absolute % Difference = 13.3			

Slope = 0.871 Intercept = -0.053 r^2 = 0.999946



AIRS Site Number: Audit Date: 04/22/2005

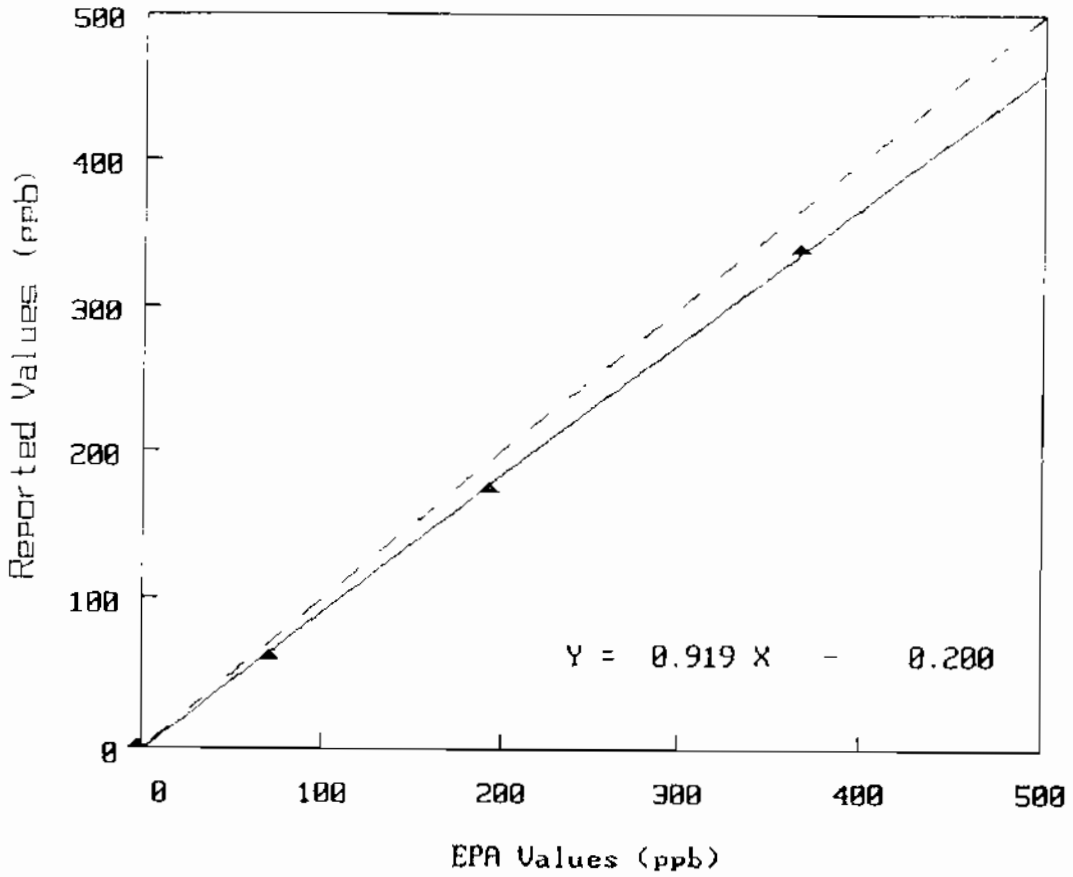
Monitor Serial #: 524 Device No.: 40396

Your Site ID: CES

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
730	340.00	367.00	-27.00	-7.4
525	175.00	194.70	-19.70	-10.1
440	62.00	71.70	-9.70	-13.5
Zero	3.00	-1.70	4.70	----

Mean Absolute % Difference = 10.3

NO_2 Slope = 0.919 Intercept =-0.200 r^2 = 0.999109



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

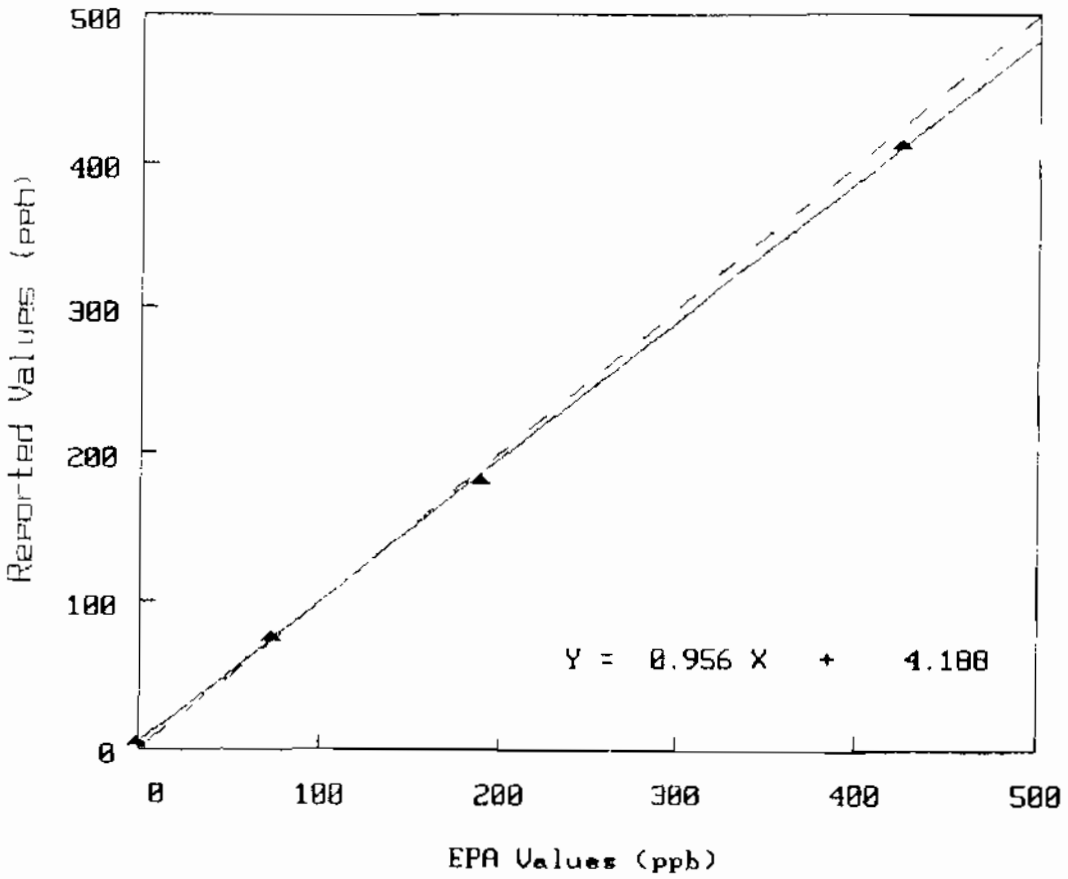
AIRS Site Number:
Monitor Serial #: 524
Site ID: CES

Audit Date: 04/22/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	412.00	425.17	-13.17	-3.1
Med	183.00	190.31	-7.31	-3.8
Low	76.00	73.90	2.10	2.8
Zero	5.00	0.00	5.00	----

Mean Absolute % Difference = 3.3

NO Slope = 0.956 Intercept = 4.188 r^2 = 0.999857



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

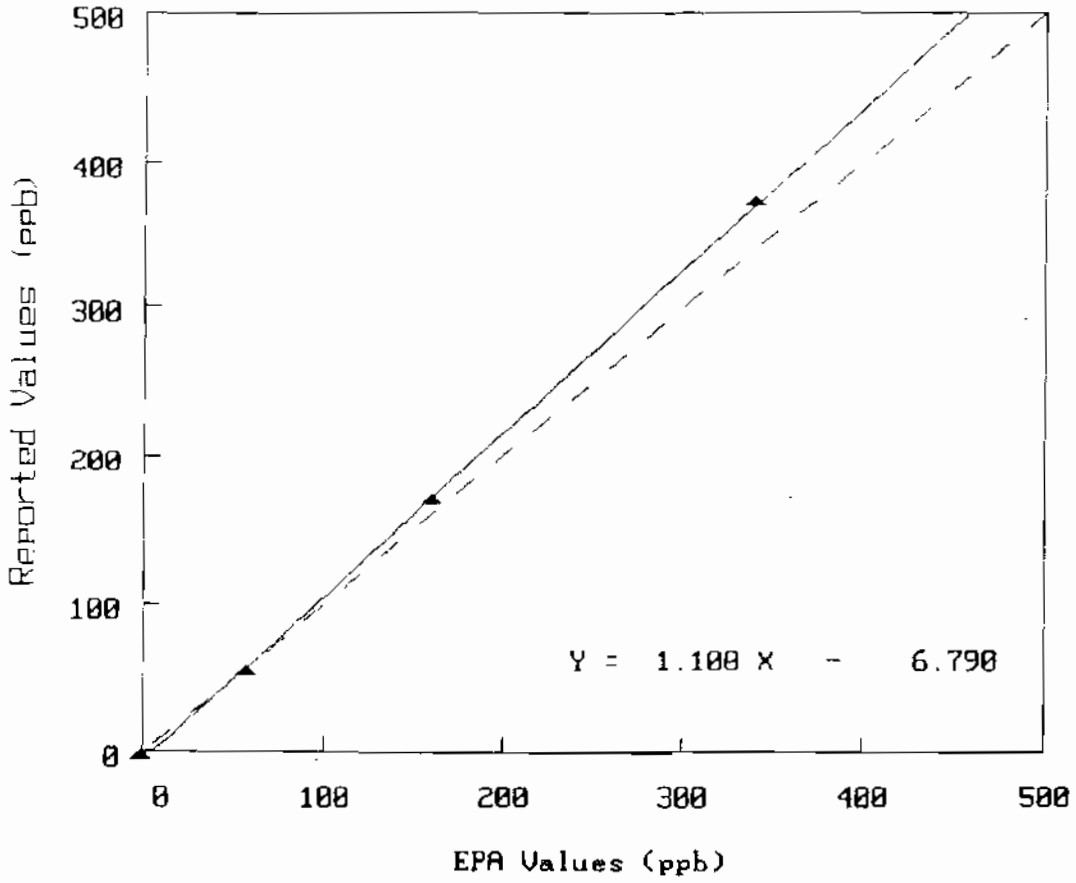
Actual values adjusted for site barometric pressure: 585.94 mm Hg

AIRS Site Number: Audit Date: 05/28/2005
Monitor Serial #: 229 Audit Device No.: 40396
Your Site ID: UIZ

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-3.0	0.5	-3.5	----
690	373.0	341.6	31.4	9.2
525	170.0	161.7	8.3	5.1
440	55.0	58.0	-3.0	-5.2

Mean Absolute % Difference = 6.5

Slope = 1.108 Intercept = -6.790 r^2 = 0.999701



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

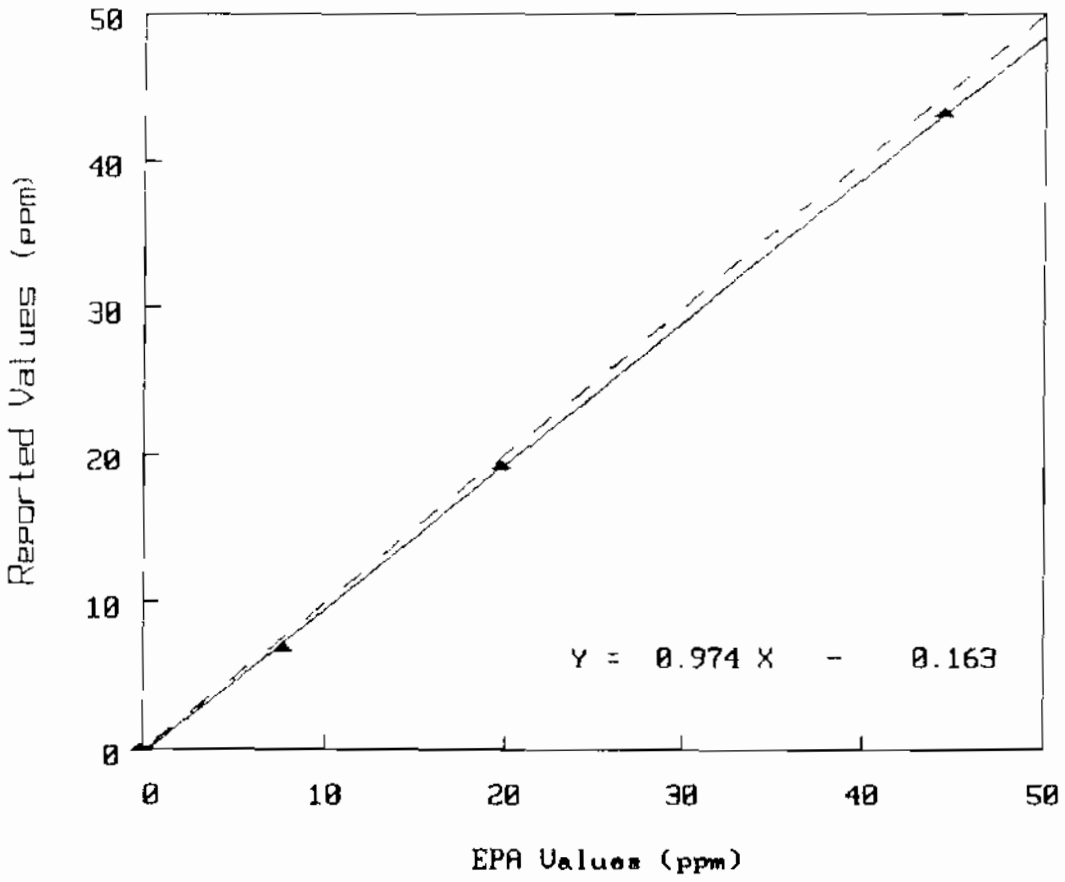
AIRS Site Number:
Your Site ID: UIZ
Monitor Serial #: 092

Audit Date: 04/28/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	43.30	44.57	-1.27	-2.8
Med	19.20	19.95	-0.75	-3.8
Low	7.10	7.75	-0.65	-8.4
Zero	0.10	0.00	0.10	----

Mean Absolute % Difference = 5.0

Slope = 0.974 Intercept = -0.163 r^2 = 0.999856



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

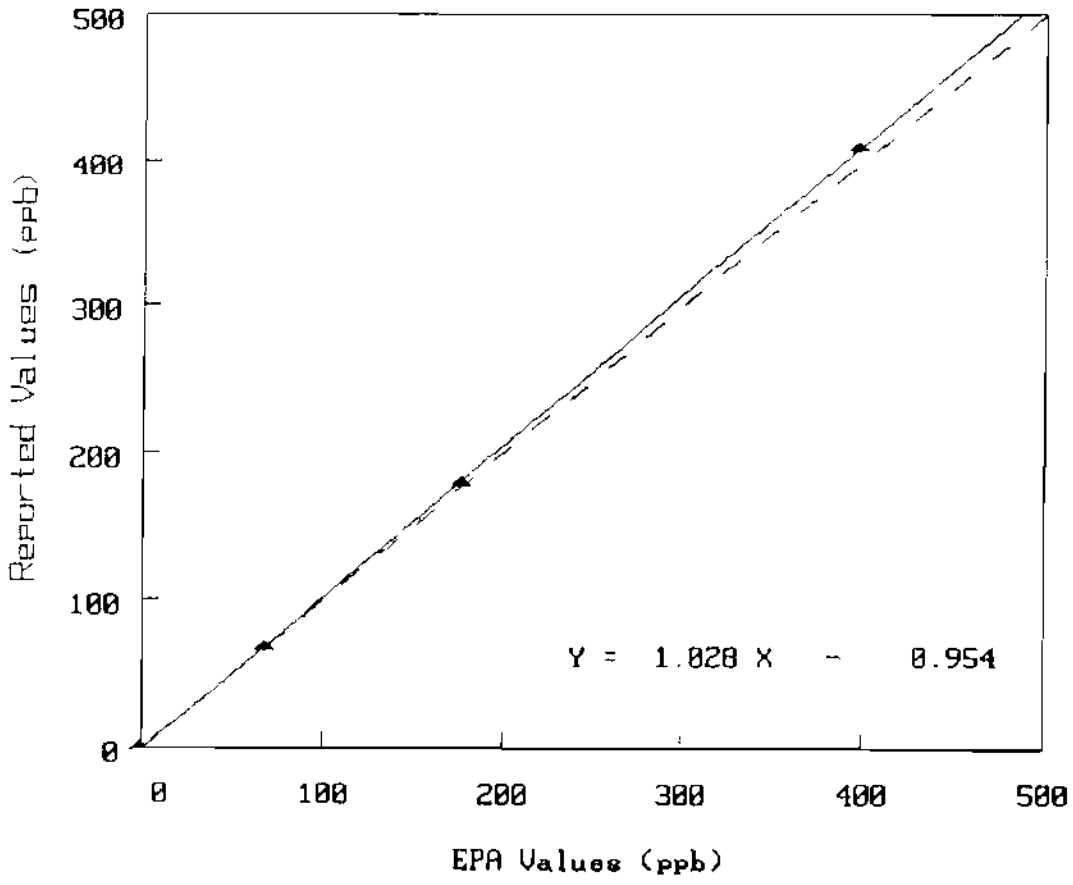
Site Number:
Your Site ID: UIZ
Monitor Serial #: 462

Audit Date: 04/28/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - -)			
High	410.00	398.94	11.06	2.8
Med	181.00	178.57	2.43	1.4
Low	69.00	69.34	-0.34	-0.5
Zero	1.00	0.00	1.00	----

Mean Absolute % Difference = 1.5

Slope = 1.028 Intercept = -0.954 r^2 = 0.999908



Results of NO2 Continuous Audit

for 1st Quarter 2005

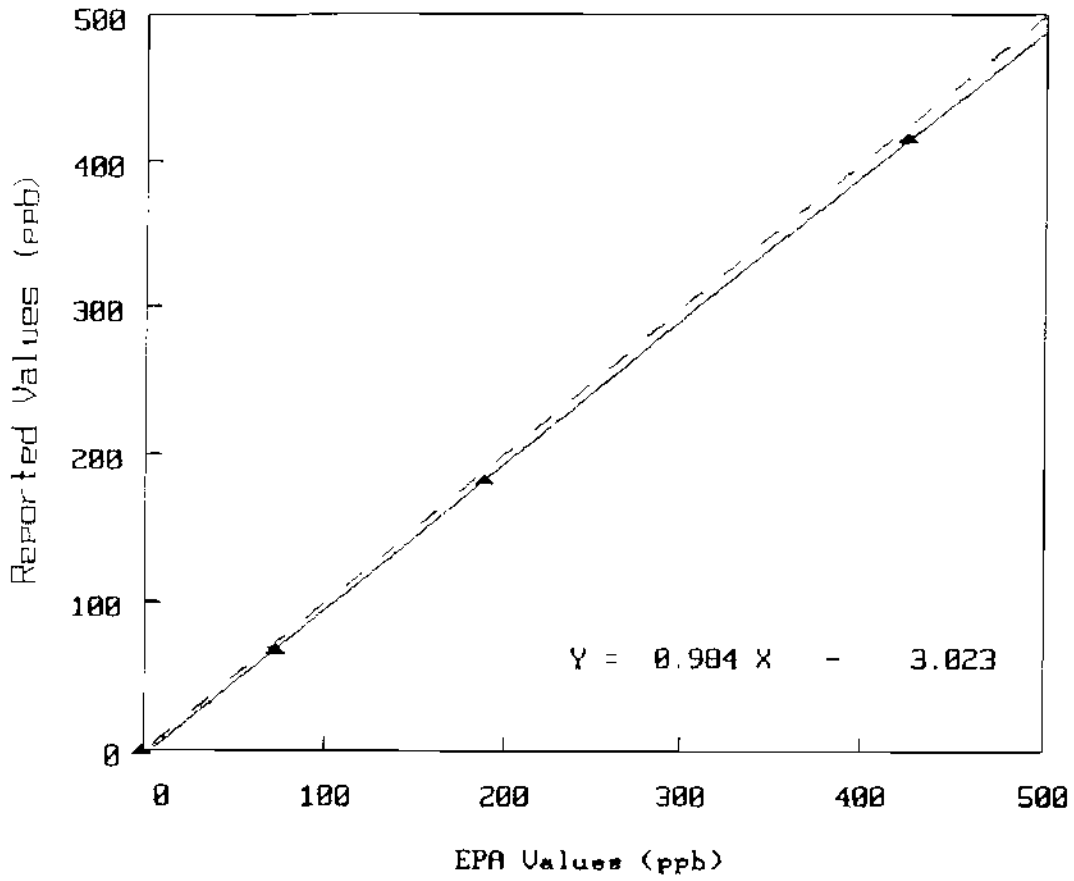
06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number: Audit Date: 04/28/2005
Monitor Serial #: 497 NO Cyl. No.: FF11036
Site ID: MIZ 412 Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - - -)			
High	416.00	425.17	-9.17	-2.2
Med	183.00	190.31	-7.31	-3.8
Low	68.00	73.90	-5.90	-8.0
Zero	-1.00	0.00	-1.00	----
	Mean Absolute % Difference = 4.7			

NO Slope = 0.984 Intercept = -3.023 r^2 = 0.999911



AIRS Site Number: Audit Date: 04/28/2005

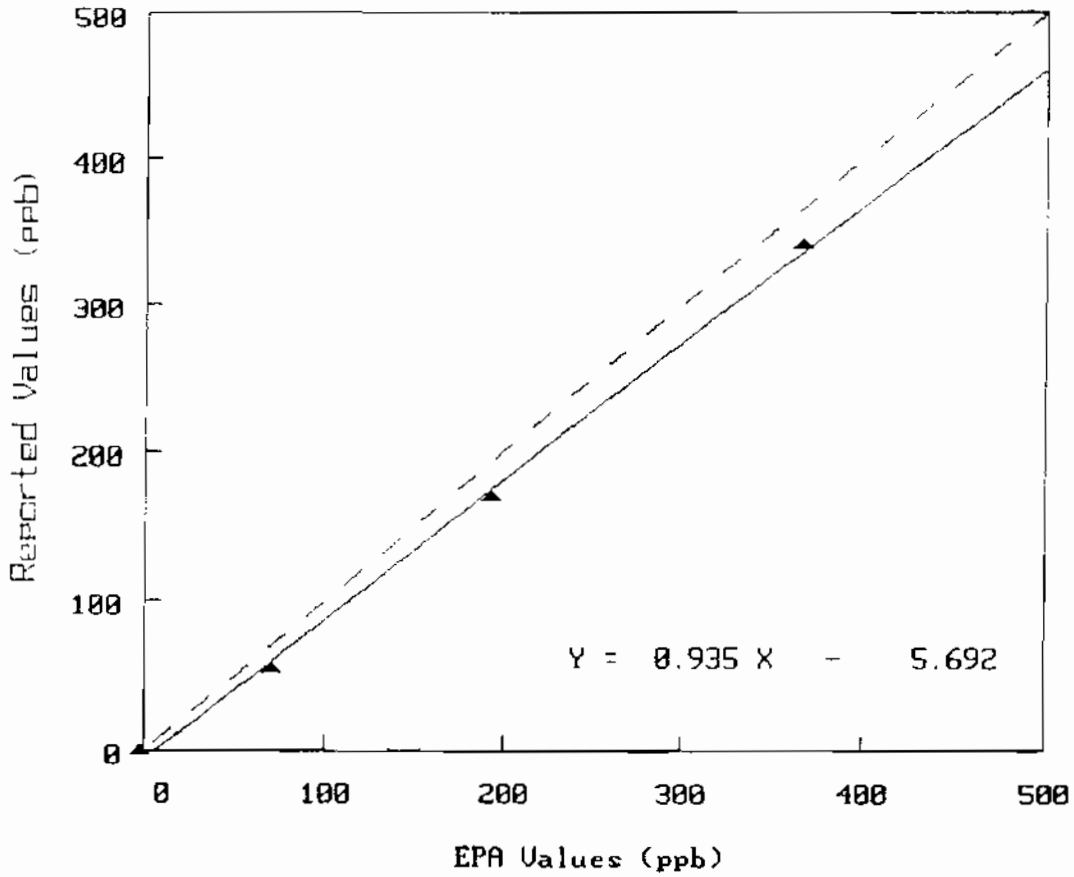
Monitor Serial #: 497 Device No.: 40396

Your Site ID: MIZ

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
730	342.00	367.00	-25.00	-6.8
525	170.00	194.70	-24.70	-12.7
440	56.00	71.70	-15.70	-21.9
Zero	0.00	-1.70	1.70	----

Mean Absolute % Difference = 13.8

NO_2 Slope = 0.935 Intercept =-5.692 r^2 = 0.997913



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

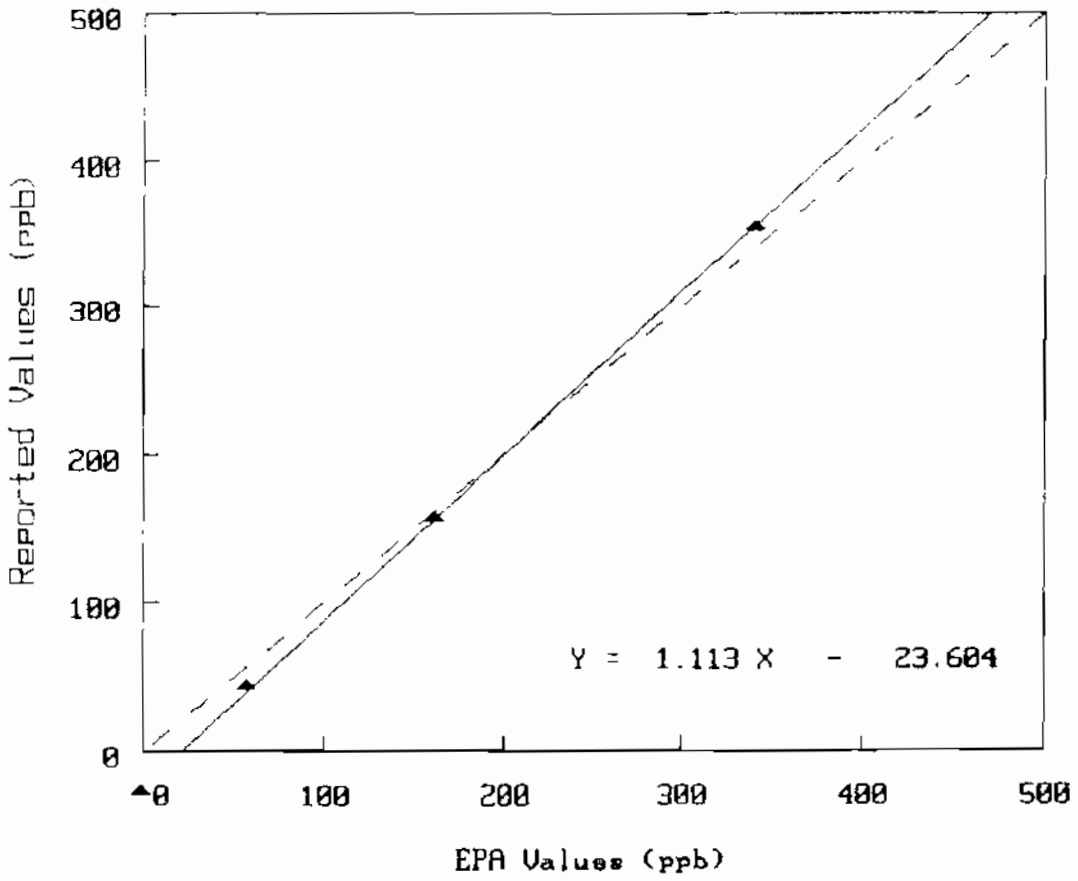
Actual values adjusted for site barometric pressure: 589.17 mm Hg

AIRS Site Number: Audit Date: 04/28/2005
Monitor Serial #: 447 Audit Device No.: 40396
Your Site ID: TAX

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	-27.0	0.5	-27.5	----
690	356.0	342.3	13.7	4.0
525	158.0	162.1	-4.1	-2.5
440	45.0	58.2	-13.2	-22.6

Mean Absolute % Difference = 9.7

Slope = 1.113 Intercept = -23.604 r^2 = 0.999599



Results of Carbon Monoxide (CO) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

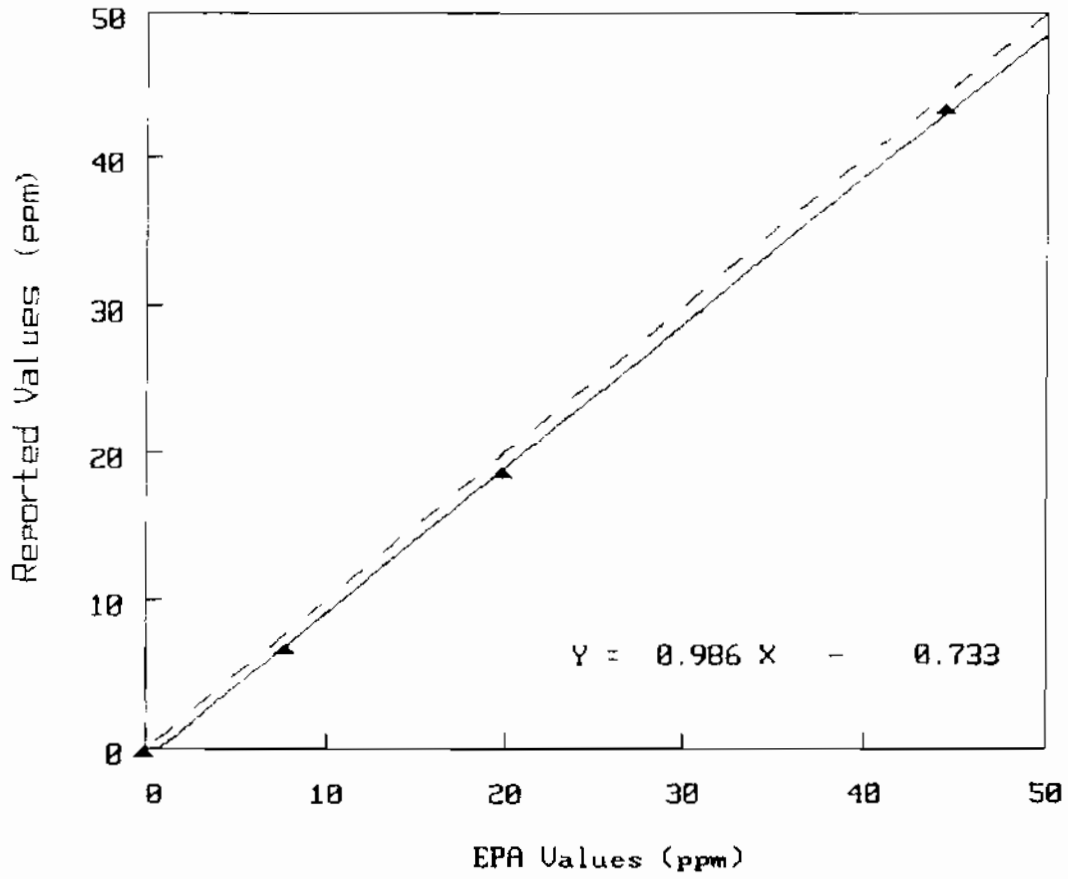
AIRS Site Number:
Your Site ID: TAX
Monitor Serial #: 309

Audit Date: 04/28/2005
Cyl. No.: FF11036
Device No : 40396

Valve Position	Reported Value	Actual Value	Difference	% Difference
	(- - - - - - - - ppm - - - - - - - -)			
High	43.40	44.57	-1.17	-2.6
Med	18.60	19.95	-1.35	-6.8
Low	6.60	7.75	-1.15	-14.8
Zero	-0.30	0.00	-0.30	----

Mean Absolute % Difference = 8.1

Slope = 0.986 Intercept = -0.733 r^2 = 0.999612



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

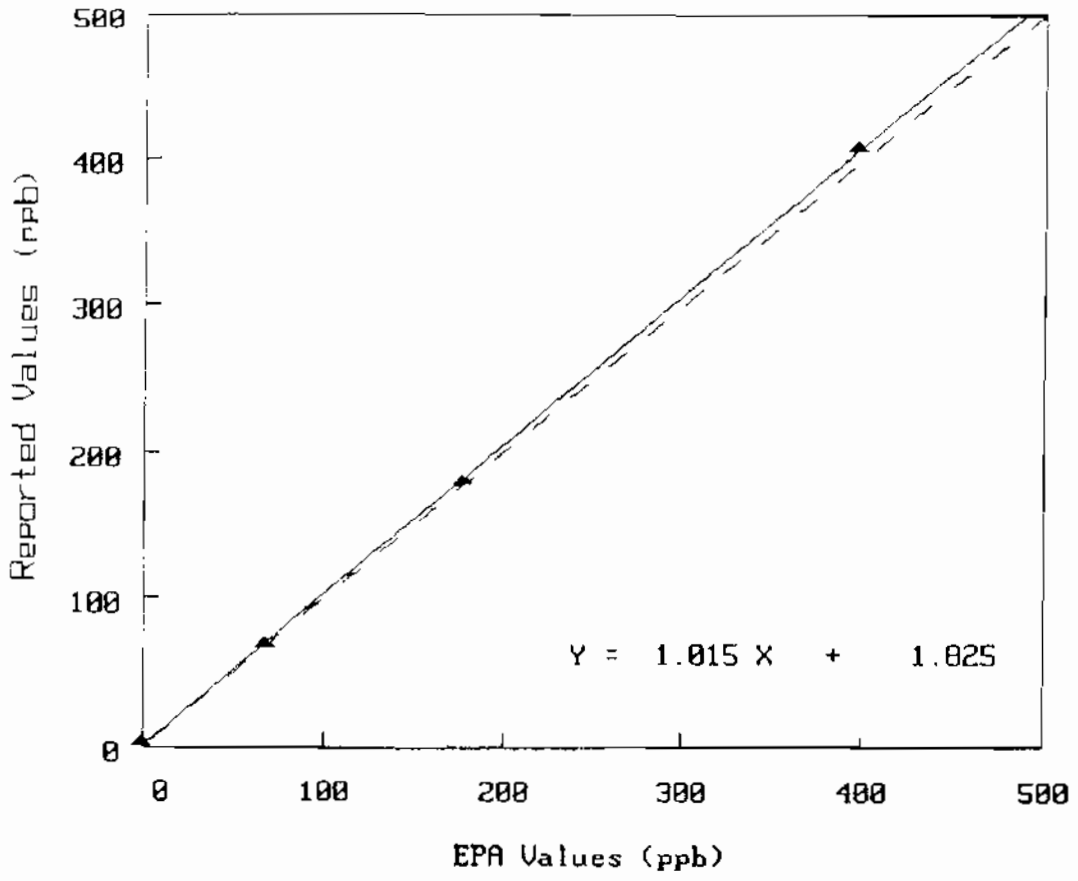
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

Site Number:
Your Site ID: TAX
Monitor Serial #: 252

Audit Date: 04/28/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - ppb - - - - - -)			
High	408.00	398.94	9.06	2.3
Med	181.00	178.57	2.43	1.4
Low	71.00	69.34	1.66	2.4
Zero	4.00	0.00	4.00	----
	Mean Absolute % Difference = 2.0			

Slope = 1.015 Intercept = 1.825 r^2 = 0.999872



Results of NO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

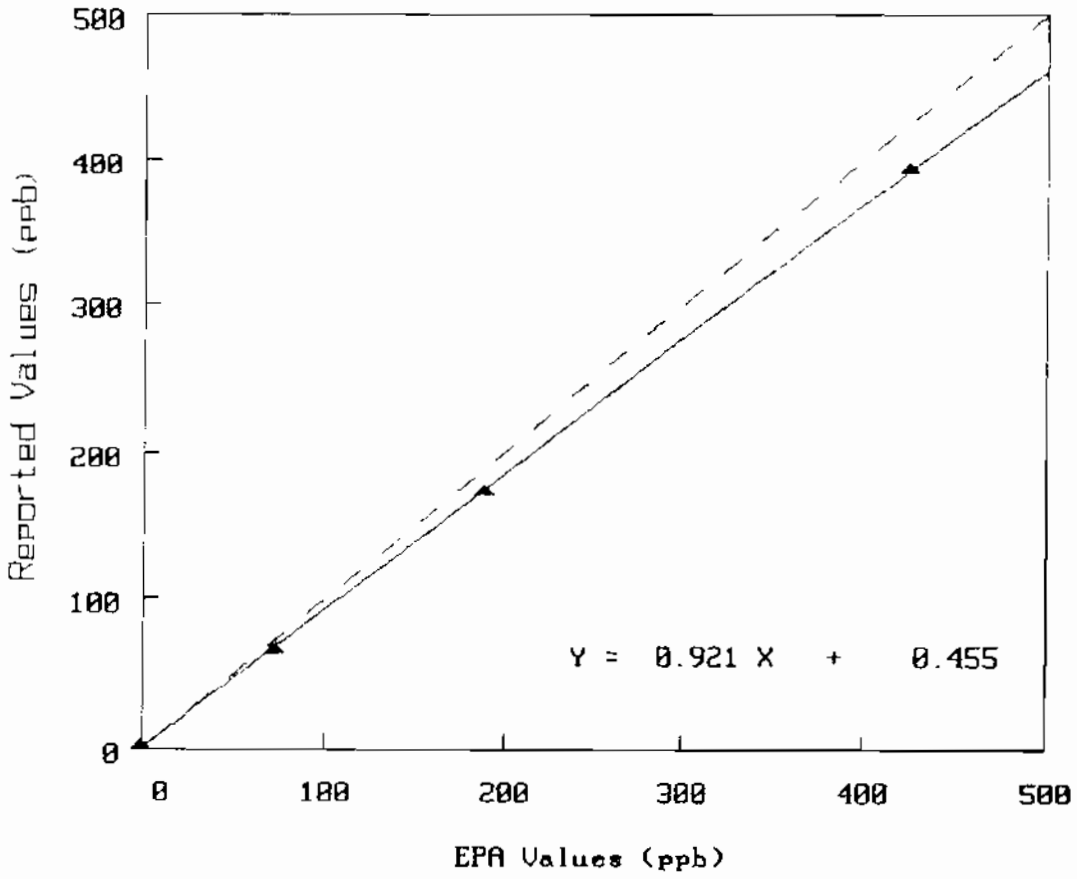
7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

AIRS Site Number:
Monitor Serial #: 521
Site ID: TAX

Audit Date: 04/28/2005
NO Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - ppb - - - - - - -)			
High	393.00	425.17	-32.17	-7.6
Med	175.00	190.31	-15.31	-8.0
Low	66.00	73.90	-7.90	-10.7
Zero	3.00	0.00	3.00	----
	Mean Absolute % Difference = 8.8			

NO Slope = 0.921 Intercept = 0.455 r^2 = 0.999838



AIRS Site Number: Audit Date: 04/28/2005

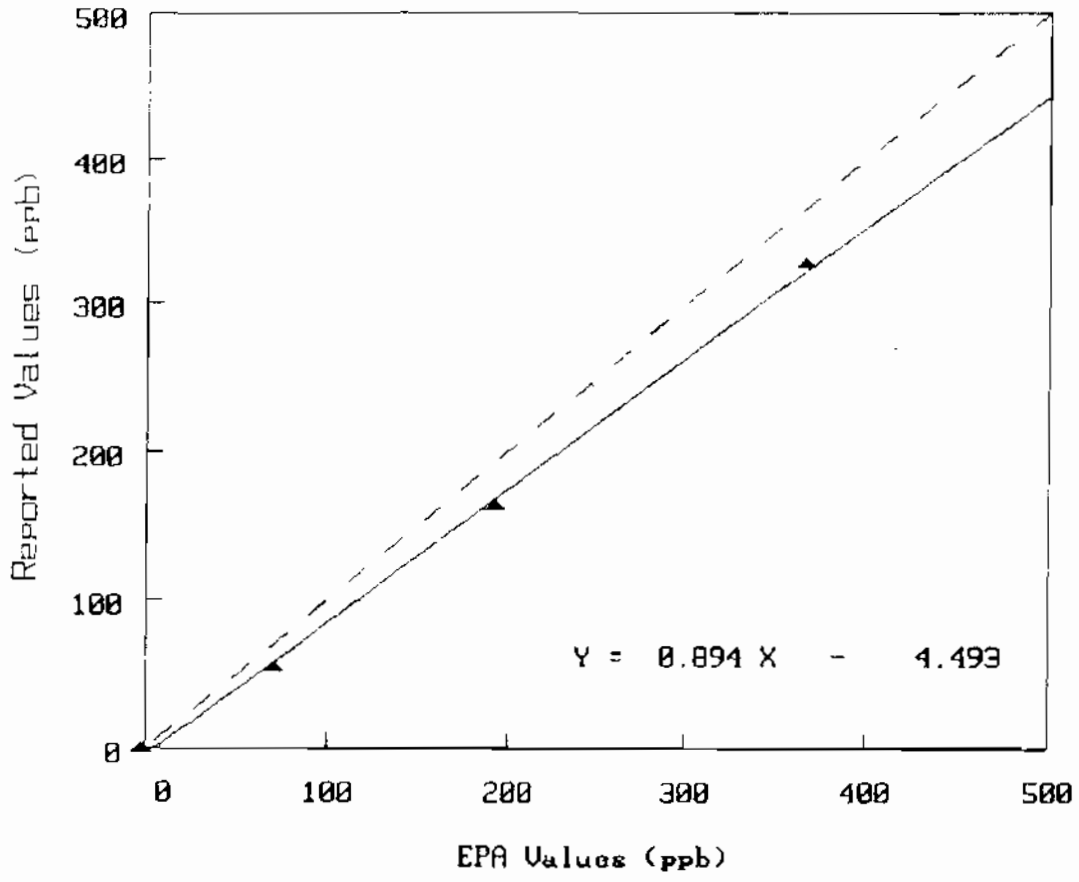
Monitor Serial #: 521 Device No.: 40396

Your Site ID: TAX

Pot Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - -	ppb - - - - - - -)		
730	328.00	367.00	-39.00	-10.6
525	163.00	194.70	-31.70	-16.3
440	56.00	71.70	-15.70	-21.9
Zero	0.00	-1.70	1.70	----

Mean Absolute % Difference = 16.3

NO_2 Slope = 0.894 Intercept =-4.493 r^2 = 0.998214



Results of Ozone (O3) Audit

for 1st Quarter 2005

06/02/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Browneville, TX 78521

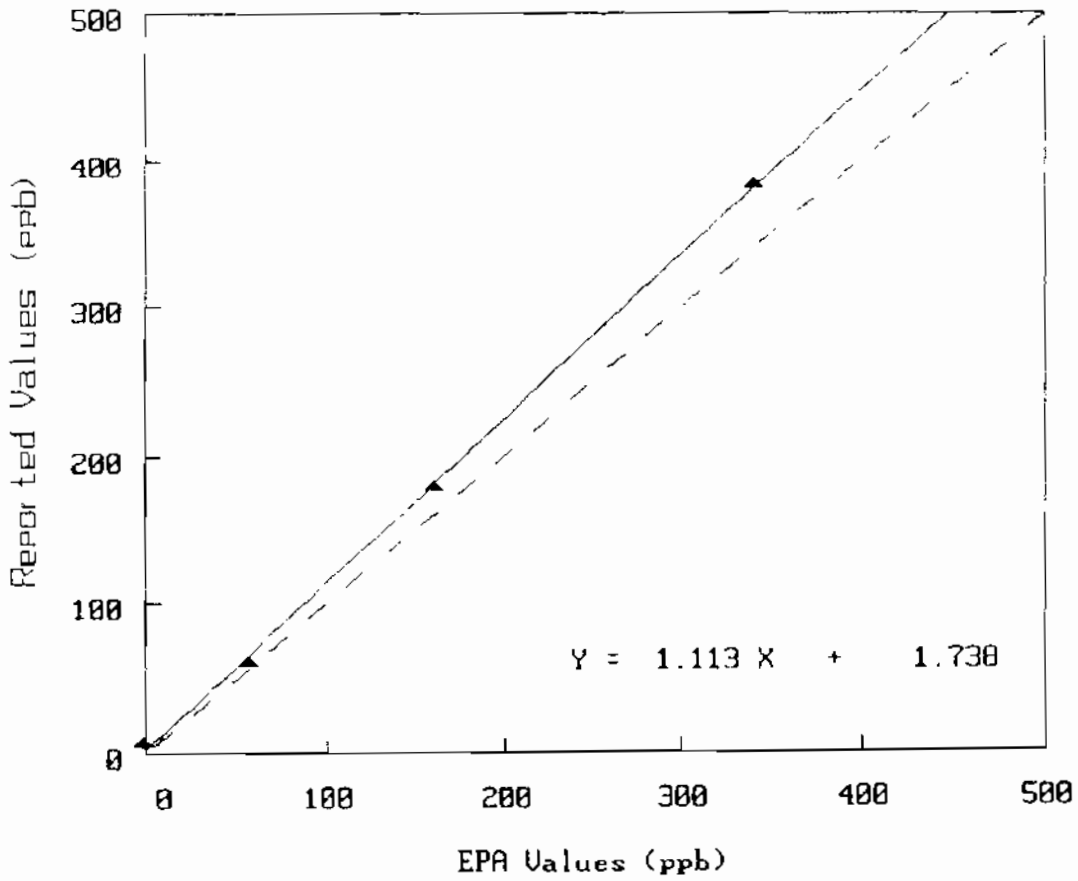
Actual values adjusted for site barometric pressure: 583.54 mm Hg

AIRS Site Number: Audit Date: 04/22/2005
Monitor Serial #: 443 Audit Device No.: 40396
Your Site ID: TAH

Pot. Setting	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - - ppb - - - - - - -)			
0	7.0	0.5	6.5	----
690	383.0	341.0	42.0	12.3
525	179.0	161.5	17.5	10.9
440	62.0	57.9	4.1	7.0

Mean Absolute % Difference = 10.1

Slope = 1.113 Intercept = 1.738 r^2 = 0.999405



Results of SO2 Continuous Audit

for 1st Quarter 2005

06/03/2005

7ME031 0 7ME031
Mr. Matthew Witosky
Attache, US EPA-US Embassy Mexico City
225 Vermillion Road
Brownsville, TX 78521

Site Number:
Your Site ID: TAH
Monitor Serial #: 460

Audit Date: 04/22/2005
Cyl. No.: FF11036
Device No.: 40396

Valve Position	Reported Values	Actual Values	Difference	% Difference
	(- - - - - - - ppb - - - - - - -)			
High	399.00	398.94	0.06	0.0
Med	177.00	178.57	-1.57	-0.9
Low	68.00	69.34	-1.34	-1.9
Zero	3.00	0.00	3.00	----
	Mean Absolute % Difference =		0.9	

Slope = 0.996 Intercept = 0.700 r^2 = 0.999871