OGDEN ENERGY GROUP, INC.

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ENVIRONMENTAL TEST REPORT

AIR KINETICS, INC.

RELATIVE ACCURACY TEST AUDIT - REPORT NO. 2414

August 6, 1999

PREPARED FOR:	Ogden Martin Systems of Lee, Inc. 10500 Buckingham Road Suite 400 Ft. Meyers, FL 33905
REGULATORY AGENCY:	Florida Department of Environmental Protection, Permit No. PSD-FL-151(A) and DEP Rule 62-296.416(3)(a)1.
PURPOSE:	Determination of Compliance with 40 CFR 60, Appendix F.
TEST DATES:	June 21-26, 1999
ASSOCIATED REPORT:	OEG Report No. 2331

ANNUAL

RELATIVE ACCURACY TEST AUDIT REPORT

UNIT NOS. 1 AND 2

Source Location:

Ogden Martin Systems of Lee, Inc.
10500 Buckingham Road
Fort Myers, Florida 33905

Test Date: June 21, 22, and 23, 1999
Issue Date: August 7, 1999
Revision: 0

Prepared for:

Ogden Energy Group, Inc.
40 Lane Road
Fairfield, New Jersey 07007

0710119-NAJAC
RSD-FL-151(A)
VT
9/27/07

Prepared by:

AirKinetics, Inc.
AKI No.: 10558 A

Prepared By: _____ for
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Report Writer

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Tony Wong
Project Manager

AirKinetics, Inc.
EMISSIONS CHARACTERIZATION
AND TESTING SERVICES

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1.0 SUMMARY

1.1 Source Information

Plant Name and Address:	Ogden Martin Systems of Lee, Inc. 10500 Buckingham Road Fort Myers, Florida 33905
Source Tested:	Unit Nos. 1 and 2
Plant Contact:	Tom Eriksen
Phone Number	(941) 337-2200

1.2 Testing Firm Information

Firm Name and Address:	AirKinetics, Inc. 5932 Bolsa Avenue, Suite 105 Huntington Beach, CA 92649
Firm Contact:	Shawn Graham
Phone Number:	(714) 373-0998 Ext. 27

1.3 Test Information

Test Requested By:	Ogden Energy Group, Inc. 40 Lane Road Fairfield, New Jersey 07007
Firm Contact:	Mr. Joe Aldina
Phone Number:	(973) 882-4136
Test Objective:	Annual Relative Accuracy Test Audit (RATA) tests of the CEMS in accordance with the Permit to Operate (PTO) for O_2, CO_2, SO_2, NO_x, and CO.
Test Dates:	June 21 through 23, 1999
Test Methods:	O_2 and CO_2 EPA Method 3A SO_2 EPA Method 6C NO_x EPA Method 7E CO EPA Method 10

1.4 Test Personnel

Test Coordinator:	Daryll Fickling, Ogden Energy Group Jacqueline Heard, Ogden Energy Group
Test Observers:	Earl F. Baker, Florida DEP Edward Ellyatt, Florida DEP Henry Gotsch, Florida DEP Mara G. Nasca, Florida DEP Bob Soich, Florida DEP John Pacifici, Malcolm Pirnie Becky Bigari, Ogden Martin Systems of Lee, Inc.
AirKinetics Test Personnel:	Hung Duong, CEM Project Supervisor

2.0 TEST RESULTS AND DATA PRESENTATION

The results of the continuous emissions measurement system (CEMS) relative accuracy test audits (RATA) for O_2, CO_2, SO_2, NO_x, and CO met the applicable acceptance criteria. The results of the test program are summarized in Tables 2-1 and 2-2.

All data pertaining to the relative accuracy tests are included in the appendices to this report. The RATA calculation summary tables are included in Appendix A. The calculated EPA Methods 3A, 6C, 7E, and 10 for O_2, CO_2, NO_x, SO_2, and CO test run averages, corrected for calibration bias and drift, are contained in Appendix B. Appendix C includes the EPA Methods 3A, 6C, 7E, and 10 uncorrected computer-recorded and pre- and post-test calibration records. The Ogden Martin Systems of Lee data recorded during the relative accuracy test periods are included in Appendix D. Appendix E contains reference measurement (RM) system performance test data. The certificates of analysis for the calibration gases used for the RM during the test program are found in Appendix F. The sampling system schematic is in Appendix G.

2.1 Relative Accuracy Test Audit Results

To satisfy the SO_2, NO_x, O_2, and CO_2 CEMS data accuracy requirement, the relative accuracy result for a nine-run performance test must be less than or equal to 20.0 percent of the mean value of the reference data or 10.0 percent of the applicable emission standard. To satisfy the CO CEMS data accuracy requirement, the relative accuracy result for a nine-run performance test must be less than or equal to 10.0 percent of the mean value of the reference data or 5.0 percent of the applicable standard.

TABLE 2-1

RELATIVE ACCURACY TEST AUDIT RESULTS

Unit	Location	Parameter	Units	Relative Accuracy	Relative Accuracy Standard
1	Inlet	O_2	%	3.82	20% of RM
		CO_2	%	2.28	
		SO_2	ppm @ 7% O_2	0.82	
		CO	ppm @ 7% O_2	3.09	5% of STD
	Stack	O_2	%	2.41	20% of RM
		CO_2	%	0.76	
		SO_2	ppm @ 7% O_2	7.63	10% of STD
		NO_x	ppm @ 7% O_2	1.52	20% of RM
		CO	ppm @ 7% O_2	3.64	5% of STD
2	Inlet	O_2	%	2.76	20% of RM
		CO_2	%	1.14	
		SO_2	ppm @ 7% O_2	6.90	
		CO	ppm @ 7% O_2	2.85	5% of STD
	Stack	O_2	%	2.53	20% of RM
		CO_2	%	0.84	
		SO_2	ppm @ 7% O_2	5.42	
		NO_x	ppm @ 7% O_2	1.08	
		CO	ppm @ 7% O_2	6.66	10% of RM

RM - Reference Method
STD - Standard

3.0 INTRODUCTION

On June 21, 22, and 23, 1999, AirKinetics, Inc. was contracted by Ogden Energy Group, Inc. to conduct CEMS RATAs at Ogden Martin Systems of Lee facility located in Fort Myers, Florida.

The purpose of the test program was to certify the CEMS in accordance with CFR 40, Part 60, App. B, Perf. Spec. 2, 3 and 4 for NO_x, SO_2, O_2, CO_2 and CO, respectively. The test methods used during this test program were EPA Method 3A for O_2 and CO_2, EPA Method 6C for SO_2, EPA Method 7E for NO_x, and EPA Method 10 for CO.

Below is a test log Table 3-1 which shows the source tested, sampling methods, sampling objectives, and test dates for the test program.

TABLE 3-1

TEST LOG

SOURCE TESTED	SAMPLING LOCATION	SAMPLING METHOD	SAMPLING OBJECTIVE	TEST DATE
Unit No. 1	Inlet	EPA 3A, 6C and 10	O_2, CO_2, SO_2, and CO	6/21-22/98
	Stack	EPA 3A, 6C, 7E, and 10	O_2, CO_2, SO_2, NO_x, and CO	
Unit No. 2	Inlet	EPA 3A, 6C and 10	O_2, CO_2, SO_2, and CO	6/22-23/98
	Stack	EPA 3A, 6C, 7E, and 10	O_2, CO_2, SO_2, NO_x, and CO	

4.0 SOURCE PROCESS AND EQUIPMENT DESCRIPTION

4.1 Process Description

Ogden Martin Systems of Lee, Inc. in Fort Myers, Florida burns municipal solid waste in two mass-fired refuse boilers. Each boiler has a capacity to process 600 tons of municipal solid waste per day and to provide steam for the generation of electricity. Each boiler train is equipped with a spray dryer absorber (SDA) for acid gas removal. The SDA is followed by a Fabric Fiber Baghouse (FF) for the control of suspended particulate emissions. Each FF is followed by an induced draft fan which directs the flue gas to a dual flue, common stack. The testing covered in this report was performed at Unit Nos. 1 and 2 SDA inlets and the exhaust stacks.

4.2 Continuous Emission Monitoring System Description

Ogden Martin Systems of Lee operates separate CEMS for each unit which are contained within a common shed. Each CEMS monitors O_2, CO_2, SO_2, and CO at the SDA inlet (economizer outlet) and O_2, CO_2, SO_2, NO_x, and CO at the exhaust stack. A description of the CEMS analyzers is presented in Table 4-1.

TABLE 4-1

CEMS ANALYZER DESCRIPTION

Parameter	Manufacturer	Model Number	Range	Serial Number	
				Unit 1	Unit 2
Inlet					
O_2	Servomex	1400	0-25%	1420/B143	1420/B141
CO_2	Fuji	ZRH1	0-20%	N2L1474T	N2L1462T
SO_2	Western Research	721-ATM	0-1000 ppm	93-721M-8056-7	93-721M-8056-5
CO	TECO	48	0-500 ppm	48-45332-273	48-46041-275
Outlet					
O_2	Servomex	1400	0-25%	1420/B146	1420/B142
CO_2/ CO	Milton Roy	ZRH2	0-20% 0-500 ppm	N2L1452T	N2L1451T
SO_2	Western Research	721-M	0-200 ppm	93-721M-8056-8	93-721M-8056-6
NO_x	TECO	42H	0-500 ppm	42H-45546-274	42H-45488-274

5.0 SAMPLING AND ANALYTICAL PROCEDURES

Following are brief descriptions of the sampling and analytical procedures employed during this test program.

5.1 EPA Method 3A, 6C, 7E, and 10 - O_2, CO_2, SO_2, NO_x, and CO Concentrations

A heated stainless-steel probe was used to draw sample from the duct. A calibration valve was attached at the probe outlet to allow injection of calibration gas through the sample handling system. Approximately 10 feet of heated Teflon sample line was used to transport the sample to the ice bath condenser. The condenser was equipped with peristaltic pumps to continuously remove condensate from the water traps. The dried sample was filtered and pumped to the sample manifold. All sampling system components were constructed of Teflon or 316 stainless-steel. The sampling system was configured to allow the introduction of calibration gases either directly to the analyzers or through the sampling system.

A three-point (zero, mid-, and high-range) analyzer calibration error check was conducted on each reference analyzer before initiating the relative accuracy testing. This check was conducted (after final calibration adjustments were made) by injecting the calibration gases directly into each gas analyzer and recording the responses. An additional fourth calibration point (low-range) was conducted on the CO reference analyzer.

Zero and upscale calibration checks were conducted both before and after each test run in order to quantify measurement system calibration drift and sampling system bias. Upscale was either the mid- or high-range gas, whichever most closely approximates the flue gas level. During these checks, the calibration gases were introduced into the sampling system at the probe outlet so that the calibration gases were analyzed in the same manner as the flue gas samples.

A description of the analyzers used for the test program is presented in Table 5-1.

TABLE 5 - 1

ANALYZERS USED FOR EPA METHODS 3A, 6C, 7E, AND 10

Analyzer Type	Manufacturer	Model Number	Detection Principle	Range
O_2	Teledyne	320P	Fuel Cell	0-25 %
CO_2	Fuji	3300	Non-Dispersive Infrared (NDIR)	0-20 %
SO_2	Western Research	721 M	Non-Dispersive Ultraviolet	0-100 ppm
	BOVAR	721 M	Non-Dispersive Ultraviolet	0-500 ppm
NO_x	Thermo Environmental	10S	Chemiluminescence	0-500 ppm
CO	Thermo Environmental	48	Non-Dispersive Infrared with Gas Filter Correlation	0-100 ppm

APPENDIX A

RELATIVE ACCURACY TEST AUDIT CALCULATIONS SUMMARY TABLES

1.0 UNIT NO. 1

a. INLET

RELATIVE ACCURACY SUMMARY: O_2 CONCENTRATION

Client Name: OGDEN MARTIN SYSTEM
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 1 INLET

Job Number: 10558
Test Date: 6/21-22/99
Facility ID: 0
Equipment: ID: 0

	Run No.	Time (hh:mm)	Reference Method O2 (%)	Reference Method Report Page No.	Facility O2 (%)	Facility Report Page No.	Difference O2 (%)
*	1	1508-1607	10.51		10.40		0.11
*	2	1625-1654	10.31		10.20		0.11
*	3	1709-1738	10.46		10.30		0.16
	4	0759-0828	10.13		9.70		0.43
	5	0845-0944	10.11		9.70		0.41
	6	1005-1104	10.43		10.00		0.43
*	7	1121-1150	9.90		9.50		0.40
*	8	1204-1223	9.76		9.40		0.36
*	9	1248-1317	10.06		9.60		0.46
*	10	1330-1359	9.81		9.50		0.31
*	11	1410-1439	10.16		9.80		0.36
*	12	1452-1521	9.91		9.60		0.31

RM Average	CEMS Average	Difference Average (d)
10.10	9.81	0.287

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.129
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.099
Relative Accuracy (% of Reference Method):	**3.82**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: CO_2 CONCENTRATION

Client Name: OGDEN MARTIN SYSTEM
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 1 INLET

Job Number: 10558
Test Date: 6/21-22/99
Facility ID: 0
Equipment: ID: 0

	Run No.	Time (hh:mm)	Reference Method CO2 (%)	Reference Method Report Page No.	Facility CO2 (%)	Facility Report Page No.	Difference CO2 (%)
	1	1508-1607	9.37		8.90		0.47
	2	1625-1654	9.62		9.10		0.52
	3	1709-1738	9.54		9.00		0.54
*	4	0759-0828	9.80		9.50		0.30
*	5	0845-0944	9.74		9.50		0.24
*	6	1005-1104	9.33		9.20		0.13
*	7	1121-1150	9.89		9.70		0.19
*	8	1204-1223	10.03		9.90		0.13
*	9	1248-1317	9.67		9.70		-0.03
*	10	1330-1359	9.87		9.70		0.17
*	11	1410-1439	9.65		9.50		0.15
*	12	1452-1521	9.74		9.70		0.04

RM Average	CEMS Average	Difference Average (d)
9.75	9.60	0.147

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.099
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.076
Relative Accuracy (% of Reference Method):	**2.28**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

A 3

RELATIVE ACCURACY SUMMARY: SO_2 - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEM
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 1 INLET

Job Number: 10558
Test Date: 6/21-22/99
Facility ID: 0
Equipment: ID: 0

	Run No.	Time (hh:mm)	Reference Method SO2 (ppm@7%O2)	Reference Method Report Page No.	Facility SO2 (ppm@7%O2)	Facility Report Page No.	Difference SO2 (ppm@7%O2)
*	1	1508-1607	77.60		78.00		-0.40
	2	1625-1654	95.30		101.00		-5.70
*	3	1709-1738	79.20		78.00		1.20
*	4	0759-0828	112.70		112.00		0.70
*	5	0845-0944	94.90		94.00		0.90
*	6	1005-1104	83.50		84.00		-0.50
	7	1121-1150	102.80		105.00		-2.20
*	8	1204-1223	67.60		68.00		-0.40
*	9	1248-1317	62.50		63.00		-0.50
	10	1330-1359	73.50		76.00		-2.50
*	11	1410-1439	53.20		53.00		0.20
*	12	1452-1521	54.80		55.00		-0.20

RM Average	CEMS Average	Difference Average (d)
76.22	76.11	0.111

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.664
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.511
Relative Accuracy (% of Reference Method):	**0.82**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

A 4

RELATIVE ACCURACY SUMMARY: CO - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEM
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 1 INLET

Job Number: 10558
Test Date: 6/21-22/99
Facility ID: 0
Equipment: ID: 0

	Run No.	Time (hh:mm)	Reference Method CO (ppm@7%O2)	Reference Method Report Page No.	Facility CO (ppm@7%O2)	Facility Report Page No.	Difference CO (ppm@7%O2)
*	1	1508-1607	21.60		19.00		2.60
*	2	1625-1654	23.80		22.00		1.80
*	3	1709-1738	19.20		18.00		1.20
	4	0759-0828	30.40		26.00		4.40
	5	0845-0944	27.70		23.00		4.70
	6	1005-1104	34.60		31.00		3.60
*	7	1121-1150	25.70		23.00		2.70
*	8	1204-1223	28.10		25.00		3.10
*	9	1248-1317	15.70		13.00		2.70
*	10	1330-1359	17.50		16.00		1.50
*	11	1410-1439	17.30		14.00		3.30
*	12	1452-1521	15.40		12.00		3.40

RM Average	CEMS Average	Difference Average (d)
20.48	18.00	2.478

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.797
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.612
Emission Standard:	100.00
Relative Accuracy (% of Emission Standard):	**3.09**
Allowable Criteria (% of Emission Standard):	5.00

* Runs used to calculate relative accuracy.

APPENDIX A

RELATIVE ACCURACY TEST AUDIT CALCULATIONS SUMMARY TABLES

1.0 UNIT NO. 1

b. STACK

RELATIVE ACCURACY SUMMARY: O_2 CONCENTRATION

Client Name: OGDEN MARTIN SYSTEMS
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 1 STACK

Job Number: 10558
Test Date: 6/21-22/99
Facility ID: NA
Equipment: ID: NA

	Run No.	Time (hh:mm)	Reference Method O2 (%)	Reference Method Report Page No.	Facility O2 (%)	Facility Report Page No.	Difference O2 (%)
	1	0926-0955	10.11		9.70		0.41
*	2	1038-1107	11.25		11.00		0.25
	3	1121-1150	10.92		10.60		0.32
*	4	1207-1236	10.69		10.40		0.29
*	5	1252-1321	10.71		10.50		0.21
*	6	1332-1401	10.58		10.40		0.18
*	7	1411-1440	10.60		10.40		0.20
	8	1508-1607	10.71		10.40		0.31
*	9	1625-1654	10.62		10.40		0.22
*	10	1709-1738	10.55		10.30		0.25
*	11	0845-0944	10.27		10.10		0.17
*	12	1005-1104	10.36		10.10		0.26

RM Average	CEMS Average	Difference Average (d)
10.63	10.40	0.226

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.040
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.031
Relative Accuracy (% of Reference Method):	**2.41**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: CO_2 CONCENTRATION

Client Name:	OGDEN MARTIN SYSTEMS	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	6/21-22/99
City, State:	FORT MYERS, FL	Facility ID:	NA
Test Location:	UNIT 1 STACK	Equipment: ID:	NA

	Run No.	Time (hh:mm)	Reference Method CO2 (%)	Reference Method Report Page No.	Facility CO2 (%)	Facility Report Page No.	Difference CO2 (%)
*	1	0926-0955	9.54		9.50		0.04
*	2	1038-1107	8.22		8.30		-0.08
*	3	1121-1150	8.67		8.60		0.07
*	4	1207-1236	9.03		9.00		0.03
*	5	1252-1321	9.13		9.10		0.03
*	6	1332-1401	9.18		9.10		0.08
*	7	1411-1440	9.13		9.10		0.03
*	8	1508-1607	8.88		8.90		-0.02
*	9	1625-1654	9.08		9.00		0.08
	10	1709-1738	9.18		9.10		0.08
	11	0845-0944	9.28		9.30		-0.02
	12	1005-1104	9.18		9.10		0.08

RM Average	CEMS Average	Difference Average (d)
8.98	8.96	0.029

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.052
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.040
Relative Accuracy (% of Reference Method):	**0.76**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: SO_2 - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEMS
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 1 STACK

Job Number: 10558
Test Date: 6/21-22/99
Facility ID: NA
Equipment: ID: NA

	Run No.	Time (hh:mm)	Reference Method SO2 (ppm@7%O2)	Reference Method Report Page No.	Facility SO2 (ppm@7%O2)	Facility Report Page No.	Difference SO2 (ppm@7%O2)
	1	0926-0955	2.90		0.00		2.90
*	2	1038-1107	4.10		2.00		2.10
	3	1121-1150	5.20		3.00		2.20
*	4	1207-1236	6.40		4.00		2.40
*	5	1252-1321	3.90		2.00		1.90
*	6	1332-1401	1.40		0.00		1.40
*	7	1411-1440	0.80		0.00		0.80
	8	1508-1607	2.70		0.00		2.70
*	9	1625-1654	2.20		0.00		2.20
*	10	1709-1738	2.70		0.00		2.70
*	11	0845-0944	0.00		0.00		0.00
*	12	1005-1104	1.10		0.00		1.10

RM Average	CEMS Average	Difference Average (d)
2.51	0.89	1.622

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.869
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.668
Emission Standard:	30.00
Relative Accuracy (% of Emission Standard):	7.63
Allowable Criteria (% of Emission Standard):	10

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: NO_x - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEMS
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 1 STACK

Job Number: 10558
Test Date: 6/21-22/99
Facility ID: NA
Equipment: ID: NA

	Run No.	Time (hh:mm)	Reference Method NOx (ppm@7%O2)	Reference Method Report Page No.	Facility NOx (ppm@7%O2)	Facility Report Page No.	Difference NOx (ppm@7%O2)
*	1	0926-0955	165.30		168.00		-2.70
*	2	1038-1107	162.40		162.00		0.40
*	3	1121-1150	165.70		166.00		-0.30
*	4	1207-1236	165.90		168.00		-2.10
*	5	1252-1321	160.80		163.00		-2.20
*	6	1332-1401	159.70		163.00		-3.30
	7	1411-1440	170.00		174.00		-4.00
	8	1508-1607	161.20		165.00		-3.80
*	9	1625-1654	170.40		172.00		-1.60
*	10	1709-1738	164.20		166.00		-1.80
	11	0845-0944	154.50		160.00		-5.50
*	12	1005-1104	158.70		159.00		-0.30

RM Average	CEMS Average	Difference Average (d)
163.68	165.22	-1.544

Number of Valid Runs (n):	9
Standard Deviation (Sd):	1.230
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.945
Relative Accuracy (% of Reference Method):	**1.52**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: CO - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEMS
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 1 STACK

Job Number: 10558
Test Date: 6/21-22/99
Facility ID: NA
Equipment: ID: NA

	Run No.	Time (hh:mm)	Reference Method CO (ppm@7%O2)	Reference Method Report Page No.	Facility CO (ppm@7%O2)	Facility Report Page No.	Difference CO (ppm@7%O2)
*	1	0926-0955	34.90		35.00		-0.10
*	2	1038-1107	38.80		41.00		-2.20
	3	1121-1150	44.00		DNA		44.00
*	4	1207-1236	23.50		28.00		-4.50
*	5	1252-1321	22.30		24.00		-1.70
	6	1332-1401	16.50		22.00		-5.50
*	7	1411-1440	16.50		20.00		-3.50
*	8	1508-1607	20.40		24.00		-3.60
	9	1625-1654	23.70		29.00		-5.30
*	10	1709-1738	18.10		22.00		-3.90
*	11	0845-0944	23.80		24.00		-0.20
*	12	1005-1104	29.90		32.00		-2.10

RM Average	CEMS Average	Difference Average (d)
25.36	27.78	-2.422

Number of Valid Runs (n):	9
Standard Deviation (Sd):	1.583
t-value (0.975):	2.306
Confidence Coefficienct (cc):	1.217
Emission Standard:	100.00
Relative Accuracy (% of Emission Standard):	**3.64**
Allowable Criteria (% of Emission Standard):	5.00

* Runs used to calculate relative accuracy.

APPENDIX A

RELATIVE ACCURACY TEST AUDIT CALCULATIONS SUMMARY TABLES

2.0 UNIT NO. 2

a. INLET

RELATIVE ACCURACY SUMMARY: O_2 CONCENTRATION

Client Name: OGDEN MARTIN SYSTEM
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 2 INLET

Job Number: 10558
Test Date: 06/23/99
Facility ID: 0
Equipment: ID: 0

	Run No.	Time (hh:mm)	Reference Method O2 (%)	Reference Method Report Page No.	Facility O2 (%)	Facility Report Page No.	Difference O2 (%)
*	1	0853-0952	10.17		9.90		0.27
*	2	1036-1105	9.98		9.80		0.18
*	3	1121-1220	10.10		9.80		0.30
*	4	1239-1338	10.37		10.10		0.27
	5	1358-1427	10.44		10.10		0.34
*	6	1444-1543	10.35		10.20		0.15
*	7	1600-1629	10.41		10.10		0.31
*	8	1643-1712	10.26		10.10		0.16
*	9	1729-1758	10.57		10.40		0.17
*	10	1812-1841	10.39		10.10		0.29
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
10.29	10.06	0.233

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.067
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.051
Relative Accuracy (% of Reference Method):	**2.76**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: CO_2 CONCENTRATION

Client Name:	OGDEN MARTIN SYSTEM	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	06/23/99
City, State:	FORT MYERS, FL	Facility ID:	0
Test Location:	UNIT 2 INLET	Equipment: ID:	0

	Run No.	Time (hh:mm)	Reference Method CO2 (%)	Reference Method Report Page No.	Facility CO2 (%)	Facility Report Page No.	Difference CO2 (%)
*	1	0853-0952	9.70		9.80		-0.10
*	2	1036-1105	9.69		9.90		-0.21
*	3	1121-1220	9.82		9.90		-0.08
*	4	1239-1338	9.55		9.50		0.05
*	5	1358-1427	9.41		9.40		0.01
*	6	1444-1543	9.40		9.40		0.00
*	7	1600-1629	9.41		9.50		-0.09
*	8	1643-1712	9.54		9.50		0.04
*	9	1729-1758	9.38		9.20		0.18
	10	1812-1841	9.56		9.40		0.16
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
9.54	9.57	-0.022

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.112
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.086
Relative Accuracy (% of Reference Method):	**1.14**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: SO_2 - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEM
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 2 INLET

Job Number: 10558
Test Date: 06/23/99
Facility ID: 0
Equipment: ID: 0

	Run No.	Time (hh:mm)	Reference Method SO2 (ppm@7%O2)	Reference Method Report Page No.	Facility SO2 (ppm@7%O2)	Facility Report Page No.	Difference SO2 (ppm@7%O2)
*	1	0853-0952	105.10		99.00		6.10
*	2	1036-1105	69.80		66.00		3.80
*	3	1121-1220	99.30		98.00		1.30
*	4	1239-1338	112.00		121.00		-9.00
*	5	1358-1427	70.80		74.00		-3.20
*	6	1444-1543	75.30		82.00		-6.70
	7	1600-1629	111.50		121.00		-9.50
*	8	1643-1712	75.70		84.00		-8.30
*	9	1729-1758	68.00		64.00		4.00
*	10	1812-1841	76.30		77.00		-0.70
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
83.59	85.00	-1.411

Number of Valid Runs (n):	9
Standard Deviation (Sd):	5.667
t-value (0.975):	2.306
Confidence Coefficienct (cc):	4.356
Relative Accuracy (% of Reference Method):	**6.90**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: CO - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEM
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 2 INLET

Job Number: 10558
Test Date: 06/23/99
Facility ID: 0
Equipment: ID: 0

	Run No.	Time (hh:mm)	Reference Method CO (ppm@7%O2)	Reference Method Report Page No.	Facility CO (ppm@7%O2)	Facility Report Page No.	Difference CO (ppm@7%O2)
*	1	0853-0952	28.60		26.00		2.60
	2	1036-1105	22.40		19.00		3.40
*	3	1121-1220	27.10		24.00		3.10
*	4	1239-1338	27.30		25.00		2.30
*	5	1358-1427	21.60		19.00		2.60
*	6	1444-1543	20.00		18.00		2.00
*	7	1600-1629	19.90		18.00		1.90
*	8	1643-1712	19.80		18.00		1.80
*	9	1729-1758	24.10		21.00		3.10
*	10	1812-1841	21.80		19.00		2.80
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
23.36	20.89	2.467

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.495
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.380
Emission Standard:	100.00
Relative Accuracy (% of Emission Standard):	**2.85**
Allowable Criteria (% of Emission Standard):	5.00

* Runs used to calculate relative accuracy.

APPENDIX A

RELATIVE ACCURACY TEST AUDIT CALCULATIONS SUMMARY TABLES

2.0 UNIT NO. 2

b. STACK

RELATIVE ACCURACY SUMMARY: O_2 CONCENTRATION

Client Name: OGDEN MARTIN SYSTEMS
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 2 STACK

Job Number: 10558
Test Date: 6/23/99
Facility ID: NA
Equipment: ID: NA

	Run No.	Time (hh:mm)	Reference Method O2 (%)	Reference Method Report Page No.	Facility O2 (%)	Facility Report Page No.	Difference O2 (%)
*	1	0853-0952	10.60		10.40		0.20
*	2	1036-1105	10.45		10.30		0.15
*	3	1121-1220	10.50		10.30		0.20
*	4	1239-1338	10.49		10.30		0.19
*	5	1358-1427	10.79		10.50		0.29
*	6	1444-1543	10.69		10.50		0.19
*	7	1600-1629	10.59		10.30		0.29
*	8	1643-1712	10.57		10.30		0.27
	9	1729-1758	10.61		10.30		0.31
*	10	1812-1841	10.57		10.30		0.27
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
10.58	10.36	0.228

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.052
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.040
Relative Accuracy (% of Reference Method):	**2.53**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: CO_2 CONCENTRATION

Client Name:	OGDEN MARTIN SYSTEMS	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	6/23/99
City, State:	FORT MYERS, FL	Facility ID:	NA
Test Location:	UNIT 2 STACK	Equipment: ID:	NA

	Run No.	Time (hh:mm)	Reference Method CO2 (%)	Reference Method Report Page No.	Facility CO2 (%)	Facility Report Page No.	Difference CO2 (%)
*	1	0853-0952	9.18		9.10		0.08
*	2	1036-1105	9.23		9.20		0.03
*	3	1121-1220	9.18		9.20		-0.02
*	4	1239-1338	9.18		9.10		0.08
*	5	1358-1427	8.88		8.80		0.08
*	6	1444-1543	8.98		8.90		0.08
*	7	1600-1629	9.08		9.10		-0.02
*	8	1643-1712	9.07		9.10		-0.03
*	9	1729-1758	9.07		9.00		0.07
	10	1812-1841	9.18		9.10		0.08
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
9.09	9.06	0.039

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.049
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.038
Relative Accuracy (% of Reference Method):	**0.84**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: SO_2 - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEMS
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 2 STACK

Job Number: 10558
Test Date: 6/23/99
Facility ID: NA
Equipment: ID: NA

	Run No.	Time (hh:mm)	Reference Method SO2 (ppm@7%O2)	Reference Method Report Page No.	Facility SO2 (ppm@7%O2)	Facility Report Page No.	Difference SO2 (ppm@7%O2)
*	1	0853-0952	27.30		28.00		-0.70
	2	1036-1105	6.80		5.00		1.80
*	3	1121-1220	13.30		13.00		0.30
*	4	1239-1338	13.40		15.00		-1.60
*	5	1358-1427	11.60		11.00		0.60
*	6	1444-1543	10.60		10.00		0.60
*	7	1600-1629	16.80		17.00		-0.20
*	8	1643-1712	10.20		10.00		0.20
*	9	1729-1758	8.50		8.00		0.50
*	10	1812-1841	11.20		10.00		1.20
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
13.66	13.56	0.100

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.832
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.640
Relative Accuracy (% of Reference Method):	**5.42**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: NO_x - DILUENT CORRECTED CONCENTRATION

Client Name:	OGDEN MARTIN SYSTEMS	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	6/23/99
City, State:	FORT MYERS, FL	Facility ID:	NA
Test Location:	UNIT 2 STACK	Equipment: ID:	NA

	Run No.	Time (hh:mm)	Reference Method NOx (ppm@7%O2)	Reference Method Report Page No.	Facility NOx (ppm@7%O2)	Facility Report Page No.	Difference NOx (ppm@7%O2)
*	1	0853-0952	164.40		163.00		1.40
*	2	1036-1105	173.00		170.00		3.00
*	3	1121-1220	165.50		165.00		0.50
*	4	1239-1338	170.90		171.00		-0.10
*	5	1358-1427	150.60		151.00		-0.40
	6	1444-1543	172.30		168.00		4.30
*	7	1600-1629	161.10		160.00		1.10
*	8	1643-1712	168.80		168.00		0.80
*	9	1729-1758	164.00		163.00		1.00
*	10	1812-1841	168.80		167.00		1.80
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
165.23	164.22	1.011

Number of Valid Runs (n):	9
Standard Deviation (Sd):	1.017
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.781
Relative Accuracy (% of Reference Method):	**1.08**
Allowable Criteria (% of Reference Method):	20.00

* Runs used to calculate relative accuracy.

RELATIVE ACCURACY SUMMARY: CO - DILUENT CORRECTED CONCENTRATION

Client Name: OGDEN MARTIN SYSTEMS
Plant Name: OMS LEE
City, State: FORT MYERS, FL
Test Location: UNIT 2 STACK

Job Number: 10558
Test Date: 6/23/99
Facility ID: NA
Equipment: ID: NA

	Run No.	Time (hh:mm)	Reference Method CO (ppm@7%O2)	Reference Method Report Page No.	Facility CO (ppm@7%O2)	Facility Report Page No.	Difference CO (ppm@7%O2)
*	1	0853-0952	27.80		27.00		0.80
*	2	1036-1105	23.20		22.00		1.20
*	3	1121-1220	26.40		25.00		1.40
*	4	1239-1338	24.60		23.00		1.60
*	5	1358-1427	22.10		21.00		1.10
	6	1444-1543	19.80		18.00		1.80
*	7	1600-1629	18.90		18.00		0.90
*	8	1643-1712	19.50		18.00		1.50
*	9	1729-1758	22.50		21.00		1.50
*	10	1812-1841	20.60		19.00		1.60
	11	0	0.00		0.00		0.00
	12	0	0.00		0.00		0.00

RM Average	CEMS Average	Difference Average (d)
22.84	21.56	1.289

Number of Valid Runs (n):	9
Standard Deviation (Sd):	0.302
t-value (0.975):	2.306
Confidence Coefficienct (cc):	0.232
Relative Accuracy (% of Reference Method):	6.66
Allowable Criteria (% of Reference Method):	10.00

* Runs used to calculate relative accuracy.

APPENDIX B

REFERENCE METHOD TEST RESULTS

1.0 UNIT NO. 1

a. INLET

Client Name:	OGDEN MARTIN SYSTEM	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	6/21-22/99
City, State:	FORT MYERS, FL	Facility ID:	
Test Location:	UNIT 1 INLET	Equipment: ID:	

REFERENCE METHOD DATA SUMMARY

Run No.	Time (hh:mm)	SO_2 (ppm@7%O2)	CO (ppm@7%O2)	O_2 (%)	CO_2 (%)	H_2O (%)
1	1508-1607	77.60	21.6	10.51	9.37	#N/A
2	1625-1654	95.30	23.8	10.31	9.62	#N/A
3	1709-1738	79.20	19.2	10.46	9.54	#N/A
4	0759-0828	112.70	30.4	10.13	9.80	#N/A
5	0845-0944	94.90	27.7	10.11	9.74	#N/A
6	1005-1104	83.50	34.6	10.43	9.33	#N/A
7	1121-1150	102.80	25.7	9.90	9.89	#N/A
8	1204-1223	67.60	28.1	9.76	10.03	#N/A
9	1248-1317	62.50	15.7	10.06	9.67	#N/A
10	1330-1359	73.50	17.5	9.81	9.87	#N/A
11	1410-1439	53.20	17.3	10.16	9.65	#N/A
12	1452-1521	54.80	15.4	9.91	9.74	#N/A
	Average	79.80	23.08	10.13	9.69	#N/A

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA-1**
TEST DATE: **6/21/99**
RUN TIME: **1508-1607**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.5**	**0.16**	**0.01**
	LOW (ppm or %)	E'		**30.5**		
	MID (ppm or %)	F	**303.8**	**59.9**	**9.27**	**8.89**
	HIGH (ppm or %)	G	**450.3**	**91.0**	**20.03**	**17.65**
	ZERO, % ERROR	H	0.10	0.50	0.73	0.05
	LOW, % ERROR	H'		0.50		
	MID, % ERROR	I	0.76	-0.10	1.27	0.35
	HIGH, % ERROR	J	0.06	-0.50	0.41	0.05
4	INITIAL LINEARITY (%)	K	0.69	0.06	0.69	0.30
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**1.5**	**-0.1**	**0.26**	**0.10**
	UPSCALE (ppm or %)	M	**292.8**	**90.5**	**9.11**	**8.67**
	ZERO, % CAL. BIAS	N	0.20	-0.60	0.45	0.45
	UPSCALE, % CAL. BIAS	O	-2.20	-0.50	-0.73	-1.10
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**0.6**	**0.3**	**0.24**	**0.17**
	UPSCALE (ppm or %)	Q	**300.4**	**91.3**	**9.07**	**8.72**
	ZERO, % CAL. BIAS	R	0.02	-0.20	0.36	0.80
	UPSCALE, % CAL. BIAS	S	-0.68	0.30	-0.91	-0.85
9	ZERO % DRIFT	AA	-0.18	0.40	-0.09	0.35
	UPSCALE % DRIFT	BB	1.52	0.80	-0.18	0.25
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.05	0.10	0.25	0.14
	UPSCALE (ppm or %)	DD	296.60	90.90	9.09	8.70
11	SAMPLE VALUE (ave)	EE	**58.2**	**16.1**	**10.58**	**9.23**
12	CORRECTED CONC.	FF	58.0	16.1	10.51	9.37
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	77.6	21.6		
	Flow Rate, Qsd (dscfm)	II	**85663**	(1-I-M29-2)		
	lb/hr	JJ	49.53	6.02		
	lb/MMBtu	JJ'	0.185	0.023		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA2**
TEST DATE: **6/21/99**
RUN TIME: **1625-1654**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.5**	**0.16**	**0.01**
	LOW (ppm or %)	E'		**30.5**		
	MID (ppm or %)	F	**303.8**	**59.9**	**9.27**	8.89
	HIGH (ppm or %)	G	**450.3**	**91.0**	**20.03**	**17.65**
	ZERO, % ERROR	H	0.10	0.50	0.73	0.05
	LOW, % ERROR	H'		0.50		
	MID, % ERROR	I	0.76	-0.10	1.27	0.35
	HIGH, % ERROR	J	0.06	-0.50	0.41	0.05
4	INITIAL LINEARITY (%)	K	0.69	0.06	0.69	0.30
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**0.6**	**0.3**	**0.24**	**0.17**
	UPSCALE (ppm or %)	M	**300.4**	**91.3**	**9.07**	**8.72**
	ZERO, % CAL. BIAS	N	0.02	-0.20	0.36	0.80
	UPSCALE, % CAL. BIAS	O	-0.68	0.30	-0.91	-0.85
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**1.4**	**0.6**	**0.30**	**0.18**
	UPSCALE (ppm or %)	Q	**290.7**	**91.0**	**8.86**	**8.73**
	ZERO, % CAL. BIAS	R	0.18	0.10	0.64	0.85
	UPSCALE, % CAL. BIAS	S	-2.62	0.00	-1.86	-0.80
9	ZERO % DRIFT	AA	0.16	0.30	0.27	0.05
	UPSCALE % DRIFT	BB	-1.94	-0.30	-0.95	0.05
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.00	0.45	0.27	0.18
	UPSCALE (ppm or %)	DD	295.55	91.15	8.97	8.73
11	SAMPLE VALUE (ave)	EE	**72.3**	**18.4**	**10.24**	**9.50**
12	CORRECTED CONC.	FF	72.6	18.1	10.31	9.62
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	95.3	23.8		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA3**
TEST DATE: **6/21/99**
RUN TIME: **1709-1738**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.5**	**0.16**	**0.01**
	LOW (ppm or %)	E'		**30.5**		
	MID (ppm or %)	F	**303.8**	**59.9**	**9.27**	**8.89**
	HIGH (ppm or %)	G	**450.3**	**91.0**	**20.03**	**17.65**
	ZERO, % ERROR	H	0.10	0.50	0.73	0.05
	LOW, % ERROR	H'		0.50		
	MID, % ERROR	I	0.76	-0.10	1.27	0.35
	HIGH, % ERROR	J	0.06	-0.50	0.41	0.05
4	INITIAL LINEARITY (%)	K	0.69	0.06	0.69	0.30
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**1.4**	**0.6**	**0.30**	**0.18**
	UPSCALE (ppm or %)	M	**290.7**	**91.0**	**8.86**	**8.73**
	ZERO, % CAL. BIAS	N	0.18	0.10	0.64	0.85
	UPSCALE, % CAL. BIAS	O	-2.62	0.00	-1.86	-0.80
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**1.5**	**0.2**	**0.31**	**0.18**
	UPSCALE (ppm or %)	Q	**296.2**	**91.5**	**9.03**	**8.82**
	ZERO, % CAL. BIAS	R	0.20	-0.30	0.68	0.85
	UPSCALE, % CAL. BIAS	S	-1.52	0.50	-1.09	-0.35
9	ZERO % DRIFT	AA	0.02	-0.40	0.05	0.00
	UPSCALE % DRIFT	BB	1.10	0.50	0.77	0.45
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.45	0.40	0.31	0.18
	UPSCALE (ppm or %)	DD	293.45	91.25	8.95	8.78
11	SAMPLE VALUE (ave)	EE	**59.3**	**14.7**	**10.36**	9.48
12	CORRECTED CONC.	FF	59.4	14.4	10.46	9.54
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	79.2	19.2		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA 4**
TEST DATE: **6/22/99**
RUN TIME: **0759-0828**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**0.5**	**0.1**	**0.21**	**0.08**
	UPSCALE (ppm or %)	M	**293.5**	**89.8**	**8.80**	**8.73**
	ZERO, % CAL. BIAS	N	0.02	-0.50	0.23	0.20
	UPSCALE, % CAL. BIAS	O	-1.38	-1.90	-1.77	-1.00
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**1.5**	**-0.1**	**0.23**	**0.17**
	UPSCALE (ppm or %)	Q	**294.4**	**89.8**	**8.97**	**8.87**
	ZERO, % CAL. BIAS	R	0.22	-0.70	0.32	0.80
	UPSCALE, % CAL. BIAS	S	-1.20	-1.90	-1.36	-0.10
9	ZERO % DRIFT	AA	0.20	-0.20	0.09	0.45
	UPSCALE % DRIFT	BB	0.18	0.00	0.77	0.70
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.00	0.00	0.22	0.13
	UPSCALE (ppm or %)	DD	293.95	89.80	8.89	8.80
11	SAMPLE VALUE (ave)	EE	**86.3**	**23.1**	**9.98**	**9.76**
12	CORRECTED CONC.	FF	87.4	23.5	10.13	9.80
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	112.7	30.4		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA 5**
TEST DATE: **6/22/99**
RUN TIME: **0845-0944**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**1.5**	**-0.1**	**0.23**	**0.17**
	UPSCALE (ppm or %)	M	**294.4**	**89.8**	**8.97**	**8.87**
	ZERO, % CAL. BIAS	N	0.22	-0.70	0.32	0.65
	UPSCALE, % CAL. BIAS	O	-1.20	-1.90	-1.00	-0.30
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**2.0**	**0.1**	**0.27**	**0.17**
	UPSCALE (ppm or %)	Q	**288.1**	**90.4**	**9.04**	**8.86**
	ZERO, % CAL. BIAS	R	0.32	-0.50	0.50	0.65
	UPSCALE, % CAL. BIAS	S	-2.46	-1.30	-0.68	-0.35
9	ZERO % DRIFT	AA	0.10	0.20	0.18	0.00
	UPSCALE % DRIFT	BB	-1.26	0.60	0.32	-0.05
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.75	0.00	0.25	0.17
	UPSCALE (ppm or %)	DD	291.25	90.10	9.01	8.87
11	SAMPLE VALUE (ave)	EE	**72.8**	**21.2**	**10.10**	**9.77**
12	CORRECTED CONC.	FF	73.6	21.5	10.11	9.74
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	94.9	27.7		
	Flow Rate, Qsd (dscfm)	II	86185	(1-I-M29-3)		
	lb/hr	JJ	63.24	8.09		
	lb/MMBtu	JJ'	0.227	0.029		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA 6**
TEST DATE: **6/22/99**
RUN TIME: **1005-1104**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**2.0**	**0.1**	**0.27**	**0.17**
	UPSCALE (ppm or %)	M	**288.1**	**90.4**	**9.04**	**8.86**
	ZERO, % CAL. BIAS	N	0.32	-0.50	0.50	0.65
	UPSCALE, % CAL. BIAS	O	-2.46	-1.30	-0.68	-0.35
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**1.5**	**0.6**	**0.21**	**0.22**
	UPSCALE (ppm or %)	Q	**292.0**	**90.3**	**8.98**	**8.87**
	ZERO, % CAL. BIAS	R	0.22	0.00	0.23	0.90
	UPSCALE, % CAL. BIAS	S	-1.68	-1.40	-0.95	-0.30
9	ZERO % DRIFT	AA	-0.10	0.50	-0.27	0.25
	UPSCALE % DRIFT	BB	0.78	-0.10	-0.27	0.05
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.75	0.35	0.24	0.20
	UPSCALE (ppm or %)	DD	290.05	90.35	9.01	8.87
11	SAMPLE VALUE (ave)	EE	**62.2**	**26.0**	**10.41**	**9.37**
12	CORRECTED CONC.	FF	62.9	26.1	10.43	9.33
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	83.5	34.6		
	Flow Rate, Qsd (dscfm)	II	**86185**	(1-I-M29-3)		
	lb/hr	JJ	54.03	9.80		
	lb/MMBtu	JJ'	0.200	0.036		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA 7**
SOURCE: **UNIT 1** TEST DATE: **6/22/99**
LOCATION: **INLET** RUN TIME: **1121-1150**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**1.5**	**0.6**	**0.21**	**0.22**
	UPSCALE (ppm or %)	M	**292.0**	**90.3**	**8.98**	8.87
	ZERO, % CAL. BIAS	N	0.22	0.00	0.23	0.90
	UPSCALE, % CAL. BIAS	O	-1.68	-1.40	-0.95	-0.30
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**1.0**	**0.4**	**0.20**	**0.21**
	UPSCALE (ppm or %)	Q	**292.8**	**90.4**	**9.01**	**8.89**
	ZERO, % CAL. BIAS	R	0.12	-0.20	0.18	0.85
	UPSCALE, % CAL. BIAS	S	-1.52	-1.30	-0.82	-0.20
9	ZERO % DRIFT	AA	-0.10	-0.20	-0.05	-0.05
	UPSCALE % DRIFT	BB	0.16	0.10	0.14	0.10
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.25	0.50	0.21	0.22
	UPSCALE (ppm or %)	DD	292.40	90.35	9.00	8.88
11	SAMPLE VALUE (ave)	EE	**80.2**	**20.5**	**9.88**	9.93
12	CORRECTED CONC.	FF	81.3	20.4	9.90	9.89
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	102.8	25.7		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA 8**
TEST DATE: **6/22/99**
RUN TIME: **1204-1223**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**1.0**	**0.4**	**0.20**	**0.21**
	UPSCALE (ppm or %)	M	**292.8**	**90.4**	**9.01**	**8.89**
	ZERO, % CAL. BIAS	N	0.12	-0.20	0.18	0.85
	UPSCALE, % CAL. BIAS	O	-1.52	-1.30	-0.82	-0.20
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**0.2**	**-0.1**	**0.23**	**0.20**
	UPSCALE (ppm or %)	Q	**291.7**	**90.9**	**8.95**	**8.90**
	ZERO, % CAL. BIAS	R	-0.04	-0.70	0.32	0.80
	UPSCALE, % CAL. BIAS	S	-1.74	-0.80	-1.09	-0.15
9	ZERO % DRIFT	AA	-0.16	-0.50	0.14	-0.05
	UPSCALE % DRIFT	BB	-0.22	0.50	-0.27	0.05
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	0.60	0.15	0.22	0.21
	UPSCALE (ppm or %)	DD	292.25	90.65	8.98	8.90
11	SAMPLE VALUE (ave)	EE	**53.3**	**22.4**	**9.73**	**10.09**
12	CORRECTED CONC.	FF	54.2	22.5	9.76	10.03
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	67.6	28.1		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA 9**
TEST DATE: **6/22/99**
RUN TIME: **1248-1317**

Standard Temperature ^{o}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**0.2**	**-0.1**	**0.23**	**0.20**
	UPSCALE (ppm or %)	M	**291.7**	**90.9**	**8.95**	**8.90**
	ZERO, % CAL. BIAS	N	-0.04	-0.70	0.32	0.80
	UPSCALE, % CAL. BIAS	O	-1.74	-0.80	-1.09	-0.15
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**2.0**	**0.5**	**0.25**	**0.20**
	UPSCALE (ppm or %)	Q	**291.9**	**91.6**	**9.03**	**8.89**
	ZERO, % CAL. BIAS	R	0.32	-0.10	0.41	0.80
	UPSCALE, % CAL. BIAS	S	-1.70	-0.10	-0.73	-0.20
9	ZERO % DRIFT	AA	0.36	0.60	0.09	0.00
	UPSCALE % DRIFT	BB	0.04	0.70	0.36	-0.05
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.10	0.20	0.24	0.20
	UPSCALE (ppm or %)	DD	291.80	91.25	8.99	8.90
11	SAMPLE VALUE (ave)	EE	**48.3**	**12.4**	**10.03**	**9.73**
12	CORRECTED CONC.	FF	48.7	12.3	10.06	9.67
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	62.5	15.7		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA 10**
TEST DATE: **6/22/99**
RUN TIME: **1330-1359**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**2.0**	**0.5**	**0.25**	**0.20**
	UPSCALE (ppm or %)	M	**291.9**	**91.6**	**9.03**	**8.89**
	ZERO, % CAL. BIAS	N	0.32	-0.10	0.41	0.80
	UPSCALE, % CAL. BIAS	O	-1.70	-0.10	-0.73	-0.20
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**0.5**	**0.7**	**0.24**	**0.19**
	UPSCALE (ppm or %)	Q	**290.1**	**90.2**	**8.99**	**8.88**
	ZERO, % CAL. BIAS	R	0.02	0.10	0.36	0.75
	UPSCALE, % CAL. BIAS	S	-2.06	-1.50	-0.91	-0.25
9	ZERO % DRIFT	AA	-0.30	0.20	-0.05	-0.05
	UPSCALE % DRIFT	BB	-0.36	-1.40	-0.18	-0.05
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.25	0.60	0.25	0.20
	UPSCALE (ppm or %)	DD	291.00	90.90	9.01	8.89
11	SAMPLE VALUE (ave)	EE	**57.9**	**14.4**	**9.81**	**9.92**
12	CORRECTED CONC.	FF	58.7	14.0	9.81	9.87
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	73.5	17.5		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **INLET**

RUN NO.: **RATA 11**
TEST DATE: **6/22/99**
RUN TIME: **1410-1439**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**0.5**	**0.7**	**0.24**	**0.19**
	UPSCALE (ppm or %)	M	**290.1**	**90.2**	**8.99**	**8.88**
	ZERO, % CAL. BIAS	N	0.02	0.10	0.36	0.75
	UPSCALE, % CAL. BIAS	O	-2.06	-1.50	-0.91	-0.25
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**0.1**	**0.1**	**0.20**	**0.17**
	UPSCALE (ppm or %)	Q	**291.2**	**90.3**	**9.03**	**8.90**
	ZERO, % CAL. BIAS	R	-0.06	-0.50	0.18	0.65
	UPSCALE, % CAL. BIAS	S	-1.84	-1.40	-0.73	-0.15
9	ZERO % DRIFT	AA	-0.08	-0.60	-0.18	-0.10
	UPSCALE % DRIFT	BB	0.22	0.10	0.18	0.10
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	0.30	0.40	0.22	0.18
	UPSCALE (ppm or %)	DD	290.65	90.25	9.01	8.89
11	SAMPLE VALUE (ave)	EE	**40.1**	**13.5**	**10.15**	**9.71**
12	CORRECTED CONC.	FF	41.1	13.3	10.16	9.65
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	53.2	17.3		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA 12**
SOURCE: **UNIT 1** TEST DATE: **6/22/99**
LOCATION: **INLET** RUN TIME: **1452-1521**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.4**	**0.6**	**0.16**	**0.04**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**300.4**	**59.8**	**9.19**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.89**	**17.66**
	ZERO, % ERROR	H	0.08	0.60	0.73	0.20
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	0.08	-0.20	0.91	0.55
	HIGH, % ERROR	J	-0.04	0.20	-0.23	0.10
4	INITIAL LINEARITY (%)	K	0.08	-0.54	0.61	0.40
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**0.1**	**0.1**	**0.20**	**0.17**
	UPSCALE (ppm or %)	M	**291.2**	**90.3**	**9.03**	**8.90**
	ZERO, % CAL. BIAS	N	-0.06	-0.50	0.18	0.65
	UPSCALE, % CAL. BIAS	O	-1.84	-1.40	-0.73	-0.15
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**0.1**	**0.0**	**0.23**	**0.18**
	UPSCALE (ppm or %)	Q	**293.8**	**92.5**	**8.95**	**8.92**
	ZERO, % CAL. BIAS	R	-0.06	-0.60	0.32	0.70
	UPSCALE, % CAL. BIAS	S	-1.32	0.80	-1.09	-0.05
9	ZERO % DRIFT	AA	0.00	-0.10	0.14	0.05
	UPSCALE % DRIFT	BB	0.52	2.20	-0.36	0.10
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	0.10	0.05	0.22	0.18
	UPSCALE (ppm or %)	DD	292.50	91.40	8.99	8.91
11	SAMPLE VALUE (ave)	EE	**42.3**	**12.2**	**9.89**	**9.82**
12	CORRECTED CONC.	FF	43.3	12.2	9.91	9.74
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	54.8	15.4		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

APPENDIX B

REFERENCE METHOD TEST RESULTS

1.0 UNIT NO. 1

b. STACK

Client Name:	OGDEN MARTIN SYSTEMS	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	6/21-22/99
City, State:	FORT MYERS, FL	Facility ID:	NA
Test Location:	UNIT 1 STACK	Equipment: ID:	NA

REFERENCE METHOD DATA SUMMARY

Run No.	Time (hh:mm)	SO_2 (ppm@7%O2)	NO_x (ppm@7%O2)	CO (ppm@7%O2)	O_2 (%)	CO_2 (%)	H_2O (%)
1	0926-0955	2.90	165.30	34.9	10.11	9.54	#N/A
2	1038-1107	4.10	162.40	38.8	11.25	8.22	#N/A
3	1121-1150	5.20	165.70	44.0	10.92	8.67	#N/A
4	1207-1236	6.40	165.90	23.5	10.69	9.03	#N/A
5	1252-1321	3.90	160.80	22.3	10.71	9.13	#N/A
6	1332-1401	1.40	159.70	16.5	10.58	9.18	#N/A
7	1411-1440	0.80	170.00	16.5	10.60	9.13	#N/A
8	1508-1607	2.70	161.20	20.4	10.71	8.88	#N/A
9	1625-1654	2.20	170.40	23.7	10.62	9.08	#N/A
10	1709-1738	2.70	164.20	18.1	10.55	9.18	#N/A
11	0845-0944	0.00	154.50	23.8	10.27	9.28	#N/A
12	1005-1104	1.10	158.70	29.9	10.36	9.18	#N/A
	Average	2.78	163.23	26.03	10.61	9.04	#N/A

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA-1**
TEST DATE: **6/21/99**
RUN TIME: **0926-0955**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**0.0**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**44.7**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	0.00	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.40	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.40	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.2**	**0.0**	**-0.3**	**0.10**	**0.20**
	UPSCALE (ppm or %)	M	**227.5**	**44.2**	**91.1**	**8.97**	**9.00**
	ZERO, % CAL. BIAS	N	0.00	0.00	-0.60	0.23	1.00
	UPSCALE, % CAL. BIAS	O	-0.36	-0.50	-0.10	-1.00	-0.50
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**1.7**	**-0.3**	**0.09**	**0.10**
	UPSCALE (ppm or %)	Q	**224.0**	**43.5**	**89.5**	**9.00**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	1.70	-0.60	0.18	0.50
	UPSCALE, % CAL. BIAS	S	-1.06	-1.20	-1.70	-0.86	0.00
9	ZERO % DRIFT	AA	0.06	1.70	0.00	-0.05	-0.50
	UPSCALE % DRIFT	BB	-0.70	-0.70	-1.60	0.14	0.50
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.35	0.85	-0.30	0.10	0.15
	UPSCALE (ppm or %)	DD	225.75	43.85	90.30	8.99	9.05
11	SAMPLE VALUE (ave)	EE	**127.2**	**3.0**	**26.5**	**10.09**	**9.50**
12	CORRECTED CONC.	FF	128.3	2.3	27.1	10.11	9.54
13	DATA REDUCTION:						
	% O2 Correction	GG	7	7.0	7.0		
	ppm @ 7 % O2	HH	165.3	2.9	34.9		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA2**
TEST DATE: **6/21/99**
RUN TIME: **1038-1107**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**0.0**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**44.7**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	0.00	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.40	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.40	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**1.7**	**-0.3**	**0.09**	**0.10**
	UPSCALE (ppm or %)	M	**224.0**	**43.5**	**89.5**	**9.00**	**9.10**
	ZERO, % CAL. BIAS	N	0.06	1.70	-0.60	0.18	0.50
	UPSCALE, % CAL. BIAS	O	-1.06	-1.20	-1.70	-0.86	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**1.4**	**0.1**	**0.11**	**0.10**
	UPSCALE (ppm or %)	Q	**229.5**	**43.6**	**90.8**	**8.99**	**9.00**
	ZERO, % CAL. BIAS	R	0.06	1.40	-0.20	0.27	0.50
	UPSCALE, % CAL. BIAS	S	0.04	-1.10	-0.40	-0.91	-0.50
9	ZERO % DRIFT	AA	0.00	-0.30	0.40	0.09	0.00
	UPSCALE % DRIFT	BB	1.10	0.10	1.30	-0.05	-0.50
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.50	1.55	-0.10	0.10	0.10
	UPSCALE (ppm or %)	DD	226.75	43.55	90.15	9.00	9.05
11	SAMPLE VALUE (ave)	EE	**112.4**	4.2	**26.5**	**11.23**	**8.20**
12	CORRECTED CONC.	FF	112.8	2.8	27.0	11.25	8.22
13	DATA REDUCTION:						
	% O2 Correction	GG	7	7.0	7.0		
	ppm @ 7 % O2	HH	162.4	4.1	38.8		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA3**
SOURCE: **UNIT 1** TEST DATE: **6/21/99**
LOCATION: **STACK** RUN TIME: **1121-1150**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**0.0**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**44.7**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	0.00	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.40	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.40	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**1.4**	**0.1**	**0.11**	**0.10**
	UPSCALE (ppm or %)	M	**229.5**	**43.6**	**90.8**	**8.99**	**9.00**
	ZERO, % CAL. BIAS	N	0.06	1.40	-0.20	0.27	0.50
	UPSCALE, % CAL. BIAS	O	0.04	-1.10	-0.40	-0.91	-0.50
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**0.6**	**0.3**	**0.08**	**0.10**
	UPSCALE (ppm or %)	Q	**228.6**	**43.3**	**91.7**	**8.97**	**9.00**
	ZERO, % CAL. BIAS	R	0.06	0.60	0.00	0.14	0.50
	UPSCALE, % CAL. BIAS	S	-0.14	-1.40	0.50	-1.00	-0.50
9	ZERO % DRIFT	AA	0.00	-0.80	0.20	-0.14	0.00
	UPSCALE % DRIFT	BB	-0.18	-0.30	0.90	-0.09	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.50	1.00	0.20	0.10	0.10
	UPSCALE (ppm or %)	DD	229.05	43.45	91.25	8.98	9.00
11	SAMPLE VALUE (ave)	EE	**119.7**	**4.5**	**31.6**	**10.89**	**8.60**
12	CORRECTED CONC.	FF	118.9	3.7	31.6	10.92	8.67
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	165.7	5.2	44.0		
	Flow Rate, Qsd (dscfm)	II	**#N/A**				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT I**
LOCATION: **STACK**

RUN NO.: **RATA 4**
TEST DATE: **6/21/99**
RUN TIME: **1207-1236**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**0.0**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**44.7**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	0.00	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.40	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.40	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**0.6**	**0.3**	**0.08**	**0.10**
	UPSCALE (ppm or %)	M	**228.6**	**43.3**	**91.7**	**8.97**	**9.00**
	ZERO, % CAL. BIAS	N	0.06	0.60	0.00	0.14	0.50
	UPSCALE, % CAL. BIAS	O	-0.14	-1.40	0.50	-1.00	-0.50
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.6**	**0.3**	**-0.2**	**0.08**	**0.10**
	UPSCALE (ppm or %)	Q	**226.9**	**42.6**	**91.4**	**8.94**	**9.10**
	ZERO, % CAL. BIAS	R	0.08	0.30	-0.50	0.14	0.50
	UPSCALE, % CAL. BIAS	S	-0.48	-2.10	0.20	-1.14	0.00
9	ZERO % DRIFT	AA	0.02	-0.30	-0.50	0.00	0.00
	UPSCALE % DRIFT	BB	-0.34	-0.70	-0.30	-0.14	0.50
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.55	0.45	0.05	0.08	0.10
	UPSCALE (ppm or %)	DD	227.75	42.95	91.55	8.96	9.05
11	SAMPLE VALUE (ave)	EE	**122.0**	**4.9**	**17.3**	**10.63**	**9.00**
12	CORRECTED CONC.	FF	121.9	4.7	17.3	10.69	9.03
13	DATA REDUCTION:						
	% O2 Correction	GG	7	7.0	7.0		
	ppm @ 7 % O2	HH	165.9	6.4	23.5		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA 5**
TEST DATE: **6/21/99**
RUN TIME: **1252-1321**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**0.0**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**44.7**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	0.00	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.40	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.40	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.6**	**0.3**	**-0.2**	**0.08**	**0.10**
	UPSCALE (ppm or %)	M	**226.9**	**42.6**	**91.4**	**8.94**	**9.10**
	ZERO, % CAL. BIAS	N	0.08	0.30	-0.50	0.14	0.50
	UPSCALE, % CAL. BIAS	O	-0.48	-2.10	0.20	-1.14	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.8**	**-0.4**	**0.2**	**0.09**	**0.10**
	UPSCALE (ppm or %)	Q	**227.3**	**43.1**	**91.3**	**8.92**	**9.00**
	ZERO, % CAL. BIAS	R	0.12	-0.40	-0.10	0.18	0.50
	UPSCALE, % CAL. BIAS	S	-0.40	-1.60	0.10	-1.23	-0.50
9	ZERO % DRIFT	AA	0.04	-0.70	0.40	0.05	0.00
	UPSCALE % DRIFT	BB	0.08	0.50	-0.10	-0.09	-0.50
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.70	-0.05	0.00	0.09	0.10
	UPSCALE (ppm or %)	DD	227.10	42.85	91.35	8.93	9.05
11	SAMPLE VALUE (ave)	EE	**117.8**	**2.7**	**16.3**	**10.62**	**9.10**
12	CORRECTED CONC.	FF	117.9	2.9	16.3	10.71	9.13
13	DATA REDUCTION:						
	% O2 Correction	GG	7	7.0	7.0		
	ppm @ 7 % O2	HH	160.8	3.9	22.3		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA 6**
TEST DATE: **6/21/99**
RUN TIME: **1332-1401**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**0.0**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**44.7**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	0.00	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.40	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.40	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.8**	**-0.4**	**0.2**	**0.09**	**0.10**
	UPSCALE (ppm or %)	M	**227.3**	**43.1**	**91.3**	**8.92**	**9.00**
	ZERO, % CAL. BIAS	N	0.12	-0.40	-0.10	0.18	0.50
	UPSCALE, % CAL. BIAS	O	-0.40	-1.60	0.10	-1.23	-0.50
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**-0.4**	**0.5**	**0.10**	**0.10**
	UPSCALE (ppm or %)	Q	**226.2**	**43.5**	**90.9**	**8.93**	**9.00**
	ZERO, % CAL. BIAS	R	0.06	-0.40	0.20	0.23	0.50
	UPSCALE, % CAL. BIAS	S	-0.62	-1.20	-0.30	-1.18	-0.50
9	ZERO % DRIFT	AA	-0.06	0.00	0.30	0.05	0.00
	UPSCALE % DRIFT	BB	-0.22	0.40	-0.40	0.05	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.65	-0.40	0.35	0.10	0.10
	UPSCALE (ppm or %)	DD	226.75	43.30	91.10	8.93	9.00
11	SAMPLE VALUE (ave)	EE	**118.2**	**0.6**	**12.5**	**10.49**	**9.10**
12	CORRECTED CONC.	FF	118.5	1.0	12.3	10.58	9.18
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	159.7	1.4	16.5		
	Flow Rate, Qsd (dscfm)	II	**#N/A**				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA 7**
TEST DATE: **6/21/99**
RUN TIME: **1411-1440**

Standard Temperature ^{o}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**0.0**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**44.7**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	0.00	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.40	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.40	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**-0.4**	**0.5**	**0.10**	**0.10**
	UPSCALE (ppm or %)	M	**226.2**	**43.5**	**90.9**	**8.93**	**9.00**
	ZERO, % CAL. BIAS	N	0.06	-0.40	0.20	0.23	0.50
	UPSCALE, % CAL. BIAS	O	-0.62	-1.20	-0.30	-1.18	-0.50
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.6**	**-1.0**	**0.3**	**0.09**	**0.10**
	UPSCALE (ppm or %)	Q	**225.3**	**43.4**	**91.3**	**8.92**	**9.10**
	ZERO, % CAL. BIAS	R	0.08	-1.00	0.00	0.18	0.50
	UPSCALE, % CAL. BIAS	S	-0.80	-1.30	0.10	-1.23	0.00
9	ZERO % DRIFT	AA	0.02	-0.60	-0.20	-0.05	0.00
	UPSCALE % DRIFT	BB	-0.18	-0.10	0.40	-0.05	0.50
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.55	-0.70	0.40	0.10	0.10
	UPSCALE (ppm or %)	DD	225.75	43.45	91.10	8.93	9.05
11	SAMPLE VALUE (ave)	EE	**124.9**	**-0.1**	**12.5**	**10.51**	**9.10**
12	CORRECTED CONC.	FF	125.9	0.6	12.2	10.60	9.13
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	170.0	0.8	16.5		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA 8**
TEST DATE: **6/21/99**
RUN TIME: **1508-1607**

Standard Temperature ^{o}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**-0.1**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**45.0**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	-0.10	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.10	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.05	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.6**	**0.4**	**0.3**	**0.09**	**0.10**
	UPSCALE (ppm or %)	M	**225.3**	**45.0**	**91.3**	**8.92**	**9.10**
	ZERO, % CAL. BIAS	N	0.08	0.50	0.00	0.18	0.50
	UPSCALE, % CAL. BIAS	O	-0.80	0.00	0.10	-1.23	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**1.6**	**0.4**	**0.07**	**0.10**
	UPSCALE (ppm or %)	Q	**222.1**	**44.7**	**91.3**	**8.92**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	1.70	0.10	0.09	0.50
	UPSCALE, % CAL. BIAS	S	-1.44	-0.30	0.10	-1.23	0.00
9	ZERO % DRIFT	AA	-0.02	1.20	0.10	-0.09	0.00
	UPSCALE % DRIFT	BB	-0.64	-0.30	0.00	0.00	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.55	1.00	0.35	0.08	0.10
	UPSCALE (ppm or %)	DD	223.70	44.85	91.30	8.92	9.10
11	SAMPLE VALUE (ave)	EE	**116.2**	**2.9**	**15.2**	**10.61**	**8.90**
12	CORRECTED CONC.	FF	118.2	2.0	14.9	10.71	8.88
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	161.2	2.7	20.4		
	Flow Rate, Qsd (dscfm)	II	**88461**	(1-S-M29-2)			
	lb/hr	JJ	74.88	1.72	5.76		
	lb/MMBtu	JJ'	0.282	0.006	0.022		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9750				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA 9**
TEST DATE: **6/21/99**
RUN TIME: **1625-1654**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**-0.1**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**45.0**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	-0.10	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.10	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.05	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**0.4**	**0.4**	**0.07**	**0.10**
	UPSCALE (ppm or %)	M	**222.1**	**45.0**	**91.3**	**8.92**	**9.10**
	ZERO, % CAL. BIAS	N	0.06	0.50	0.10	0.09	0.50
	UPSCALE, % CAL. BIAS	O	-1.44	0.00	0.10	-1.23	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**1.5**	**0.3**	**0.07**	**0.10**
	UPSCALE (ppm or %)	Q	**224.8**	**44.4**	**91.3**	**8.97**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	1.60	0.00	0.09	0.50
	UPSCALE, % CAL. BIAS	S	-0.90	-0.60	0.10	-1.00	0.00
9	ZERO % DRIFT	AA	0.00	1.10	-0.10	0.00	0.00
	UPSCALE % DRIFT	BB	0.54	-0.60	0.00	0.23	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.50	0.95	0.35	0.07	0.10
	UPSCALE (ppm or %)	DD	223.45	44.70	91.30	8.95	9.10
11	SAMPLE VALUE (ave)	EE	**123.8**	**2.5**	**17.8**	**10.55**	**9.10**
12	CORRECTED CONC.	FF	126.1	1.6	17.6	10.62	9.08
13	DATA REDUCTION:						
	% O2 Correction	GG	7	7.0	7.0		
	ppm @ 7 % O2	HH	170.4	2.2	23.7		
	Flow Rate, Qsd (dscfm)	II	**#N/A**				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA 10**
TEST DATE: **6/21/99**
RUN TIME: **1709-1738**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**-0.1**	**0.3**	**0.05**	**0.00**
	LOW (ppm or %)	E'			**29.9**		
	MID (ppm or %)	F	**229.3**	**45.0**	**60.0**	**9.19**	**9.10**
	HIGH (ppm or %)	G	**456.3**	**91.1**	**91.2**	**19.98**	**17.60**
	ZERO, % ERROR	H	0.04	-0.10	0.30	0.23	0.00
	LOW, % ERROR	H'			-0.10		
	MID, % ERROR	I	0.26	-0.10	0.00	0.91	0.10
	HIGH, % ERROR	J	0.06	0.00	-0.30	0.18	-0.20
4	INITIAL LINEARITY (%)	K	0.21	-0.05	0.09	0.70	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**0.4**	**0.3**	**0.07**	**0.10**
	UPSCALE (ppm or %)	M	**224.8**	**45.0**	**91.3**	**8.97**	**9.10**
	ZERO, % CAL. BIAS	N	0.06	0.50	0.00	0.09	0.50
	UPSCALE, % CAL. BIAS	O	-0.90	0.00	0.10	-1.00	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**2.3**	**0.0**	**0.12**	**0.10**
	UPSCALE (ppm or %)	Q	**225.8**	**45.4**	**91.7**	**8.98**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	2.40	-0.30	0.32	0.50
	UPSCALE, % CAL. BIAS	S	-0.70	0.40	0.50	-0.95	0.00
9	ZERO % DRIFT	AA	0.00	1.90	-0.30	0.23	0.00
	UPSCALE % DRIFT	BB	0.20	0.40	0.40	0.05	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.50	1.35	0.15	0.10	0.10
	UPSCALE (ppm or %)	DD	225.30	45.20	91.50	8.98	9.10
11	SAMPLE VALUE (ave)	EE	**121.0**	**3.3**	**13.6**	**10.52**	**9.20**
12	CORRECTED CONC.	FF	122.2	2.0	13.5	10.55	9.18
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	164.2	2.7	18.1		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 1**
LOCATION: **STACK**

RUN NO.: **RATA 11**
TEST DATE: **6/22/99**
RUN TIME: **0845-0944**

Standard Temperature ^{o}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**-0.1**	**0.2**	**0.07**	**0.00**
	LOW (ppm or %)	E'			**30.6**		
	MID (ppm or %)	F	**230.8**	**45.0**	**60.0**	**9.08**	**9.10**
	HIGH (ppm or %)	G	**455.5**	**91.1**	**91.4**	**19.96**	**17.60**
	ZERO, % ERROR	H	0.04	-0.10	0.20	0.32	0.00
	LOW, % ERROR	H'			0.60		
	MID, % ERROR	I	0.56	-0.10	0.00	0.41	0.10
	HIGH, % ERROR	J	-0.10	0.00	-0.10	0.09	-0.20
4	INITIAL LINEARITY (%)	K	0.59	-0.05	0.00	0.19	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.4**	**0.4**	**0.0**	**0.04**	**0.00**
	UPSCALE (ppm or %)	M	**225.5**	**45.0**	**91.6**	**9.02**	**9.10**
	ZERO, % CAL. BIAS	N	0.04	0.50	-0.20	-0.14	0.00
	UPSCALE, % CAL. BIAS	O	-1.06	0.00	0.20	-0.27	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**-0.1**	**0.0**	**0.10**	**0.10**
	UPSCALE (ppm or %)	Q	**221.4**	**43.3**	**91.5**	**8.94**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	0.00	-0.20	0.23	0.50
	UPSCALE, % CAL. BIAS	S	-1.58	-1.70	0.10	-1.14	0.00
9	ZERO % DRIFT	AA	0.02	-0.50	0.00	0.27	0.50
	UPSCALE % DRIFT	BB	-0.82	-1.70	-0.10	-0.36	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.45	0.15	0.00	0.07	0.05
	UPSCALE (ppm or %)	DD	223.45	44.15	91.55	8.98	9.10
11	SAMPLE VALUE (ave)	EE	**116.0**	**-0.9**	**18.2**	**10.25**	**9.30**
12	CORRECTED CONC.	FF	118.1	-1.1	18.2	10.27	9.28
13	DATA REDUCTION:						
	% O2 Correction	GG	7	7.0	7.0		
	ppm @ 7 % O2	HH	154.5	-1.4	23.8		
	Flow Rate, Qsd (dscfm)	II	**87716**	(1-S-M29-3)			
	lb/hr	JJ	74.23	-0.94	6.96		
	lb/MMBtu	JJ'	0.265	-0.003	0.025		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA 12**
SOURCE: **UNIT 1** TEST DATE: **6/22/99**
LOCATION: **STACK** RUN TIME: **1005-1104**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.2**	**-0.1**	**0.2**	**0.07**	**0.00**
	LOW (ppm or %)	E'			**30.6**		
	MID (ppm or %)	F	**230.8**	**45.0**	**60.0**	**9.08**	**9.10**
	HIGH (ppm or %)	G	**455.5**	**91.1**	**91.4**	**19.96**	**17.60**
	ZERO, % ERROR	H	0.04	-0.10	0.20	0.32	0.00
	LOW, % ERROR	H'			0.60		
	MID, % ERROR	I	0.56	-0.10	0.00	0.41	0.10
	HIGH, % ERROR	J	-0.10	0.00	-0.10	0.09	-0.20
4	INITIAL LINEARITY (%)	K	0.59	-0.05	0.00	0.19	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**0.4**	**0.0**	**0.10**	**0.10**
	UPSCALE (ppm or %)	M	**221.4**	**45.0**	**91.5**	**8.94**	**9.10**
	ZERO, % CAL. BIAS	N	0.06	0.50	-0.20	0.14	0.50
	UPSCALE, % CAL. BIAS	O	-1.88	0.00	0.10	-0.64	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**-0.4**	**0.0**	**0.07**	**0.10**
	UPSCALE (ppm or %)	Q	**219.7**	**43.8**	**91.1**	**8.92**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	-0.30	-0.20	0.09	0.50
	UPSCALE, % CAL. BIAS	S	-1.92	-1.20	-0.30	-1.23	0.00
9	ZERO % DRIFT	AA	0.00	-0.80	0.00	-0.14	0.00
	UPSCALE % DRIFT	BB	-0.34	-1.20	-0.40	-0.09	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.50	0.00	0.00	0.09	0.10
	UPSCALE (ppm or %)	DD	220.55	44.40	91.30	8.93	9.10
11	SAMPLE VALUE (ave)	EE	**116.6**	**0.8**	**22.6**	**10.28**	**9.20**
12	CORRECTED CONC.	FF	120.3	0.8	22.6	10.36	9.18
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	158.7	1.1	29.9		
	Flow Rate, Qsd (dscfm)	II	**87716**	1-S-M29-3)			
	lb/hr	JJ	75.58	0.71	8.66		
	lb/MMBtu	JJ'	0.273	0.003	0.031		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570				

APPENDIX B

REFERENCE METHOD TEST RESULTS

2.0 UNIT NO. 2

a. INLET

Client Name:	OGDEN MARTIN SYSTEM	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	06/23/99
City, State:	FORT MYERS, FL	Facility ID:	
Test Location:	UNIT 2 INLET	Equipment: ID:	

REFERENCE METHOD DATA SUMMARY

Run No.	Time (hh:mm)	SO_2 (ppm@7%O2)	CO (ppm@7%O2)	O_2 (%)	CO_2 (%)	H_2O (%)
1	0853-0952	105.10	28.6	10.17	9.70	#N/A
2	1036-1105	69.80	22.4	9.98	9.69	#N/A
3	1121-1220	99.30	27.1	10.10	9.82	#N/A
4	1239-1338	112.00	27.3	10.37	9.55	#N/A
5	1358-1427	70.80	21.6	10.44	9.41	#N/A
6	1444-1543	75.30	20.0	10.35	9.40	#N/A
7	1600-1629	111.50	19.9	10.41	9.41	#N/A
8	1643-1712	75.70	19.8	10.26	9.54	#N/A
9	1729-1758	68.00	24.1	10.57	9.38	#N/A
10	1812-1841	76.30	21.8	10.39	9.56	#N/A
11						#N/A
12						#N/A
	Average	86.38	23.26	10.30	9.55	#N/A

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **INLET**

RUN NO.: **RATA-1**
TEST DATE: **6/23/99**
RUN TIME: **0853-0952**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**0.5**	**-0.1**	**0.28**	**0.07**
	UPSCALE (ppm or %)	M	**285.6**	**91.0**	**9.01**	**8.70**
	ZERO, % CAL. BIAS	N	0.00	-0.70	0.14	0.10
	UPSCALE, % CAL. BIAS	O	-2.86	-0.70	-0.64	-1.15
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**1.0**	**-0.1**	**0.24**	**0.10**
	UPSCALE (ppm or %)	Q	**288.1**	**91.9**	**8.97**	**8.85**
	ZERO, % CAL. BIAS	R	0.10	-0.70	-0.05	0.25
	UPSCALE, % CAL. BIAS	S	-2.36	0.20	-0.82	-0.40
9	ZERO % DRIFT	AA	0.10	0.00	-0.18	0.15
	UPSCALE % DRIFT	BB	0.50	0.90	-0.18	0.75
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	0.75	-0.10	0.26	0.09
	UPSCALE (ppm or %)	DD	286.85	91.45	8.99	8.78
11	SAMPLE VALUE (ave)	EE	**78.1**	**22.0**	**10.14**	**9.64**
12	CORRECTED CONC.	FF	81.1	22.1	10.17	9.70
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	105.1	28.6		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	0.251	0.030		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **INLET**

RUN NO.: **RATA2**
TEST DATE: **6/23/99**
RUN TIME: **1036-1105**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**1.0**	**-0.1**	**0.24**	**0.10**
	UPSCALE (ppm or %)	M	**288.1**	**91.9**	**8.97**	**8.85**
	ZERO, % CAL. BIAS	N	0.10	-0.70	-0.05	0.25
	UPSCALE, % CAL. BIAS	O	-2.36	0.20	-0.82	-0.40
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**1.7**	**0.0**	**0.26**	**0.10**
	UPSCALE (ppm or %)	Q	**290.9**	**90.9**	**8.98**	**8.57**
	ZERO, % CAL. BIAS	R	0.24	-0.60	0.05	0.25
	UPSCALE, % CAL. BIAS	S	-1.80	-0.80	-0.77	-1.80
9	ZERO % DRIFT	AA	0.14	0.10	0.09	0.00
	UPSCALE % DRIFT	BB	0.56	-1.00	0.05	-1.40
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.35	-0.05	0.25	0.10
	UPSCALE (ppm or %)	DD	289.50	91.40	8.98	8.71
11	SAMPLE VALUE (ave)	EE	**54.0**	**17.5**	**9.94**	**9.56**
12	CORRECTED CONC.	FF	54.8	17.6	9.98	9.69
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	69.8	22.4		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **INLET**

RUN NO.: **RATA3**
TEST DATE: **6/23/99**
RUN TIME: **1121-1220**

Standard Temperature ^{o}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**1.7**	**0.0**	**0.26**	**0.10**
	UPSCALE (ppm or %)	M	**290.9**	**90.9**	**8.98**	**8.57**
	ZERO, % CAL. BIAS	N	0.24	-0.60	0.05	0.25
	UPSCALE, % CAL. BIAS	O	-1.80	-0.80	-0.77	-1.80
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**0.6**	**0.0**	**0.23**	**0.12**
	UPSCALE (ppm or %)	Q	**284.2**	**91.0**	**8.81**	**8.71**
	ZERO, % CAL. BIAS	R	0.02	-0.60	-0.09	0.35
	UPSCALE, % CAL. BIAS	S	-3.14	-0.70	-1.55	-1.10
9	ZERO % DRIFT	AA	-0.22	0.00	-0.14	0.10
	UPSCALE % DRIFT	BB	-1.34	0.10	-0.77	0.70
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	1.15	0.00	0.25	0.11
	UPSCALE (ppm or %)	DD	287.55	90.95	8.90	8.64
11	SAMPLE VALUE (ave)	EE	**74.8**	**20.9**	**9.96**	**9.61**
12	CORRECTED CONC.	FF	77.1	21.0	10.10	9.82
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	99.3	27.1		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	0.237	0.028		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **INLET**

RUN NO.: **RATA 4**
TEST DATE: **6/23/99**
RUN TIME: **1239-1338**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**0.6**	**0.0**	**0.23**	**0.12**
	UPSCALE (ppm or %)	M	**284.2**	**91.0**	**8.81**	**8.71**
	ZERO, % CAL. BIAS	N	0.02	-0.60	-0.09	0.35
	UPSCALE, % CAL. BIAS	O	-3.14	-0.70	-1.55	-1.10
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**1.0**	**0.1**	**0.22**	**0.15**
	UPSCALE (ppm or %)	Q	**286.5**	**90.3**	**8.82**	**8.70**
	ZERO, % CAL. BIAS	R	0.10	-0.50	-0.14	0.50
	UPSCALE, % CAL. BIAS	S	-2.68	-1.40	-1.50	-1.15
9	ZERO % DRIFT	AA	0.08	0.10	-0.05	0.15
	UPSCALE % DRIFT	BB	0.46	-0.70	0.05	-0.05
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	0.80	0.05	0.23	0.14
	UPSCALE (ppm or %)	DD	285.35	90.65	8.82	8.71
11	SAMPLE VALUE (ave)	EE	**81.3**	**20.5**	**10.13**	**9.41**
12	CORRECTED CONC.	FF	84.9	20.7	10.37	9.55
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	112.0	27.3		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	0.268	0.028		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **INLET**

RUN NO.: **RATA 5**
TEST DATE: **6/23/99**
RUN TIME: **1358-1427**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**1.0**	**0.1**	**0.22**	**0.15**
	UPSCALE (ppm or %)	M	**286.5**	**90.3**	**8.82**	**8.70**
	ZERO, % CAL. BIAS	N	0.10	-0.50	-0.14	0.50
	UPSCALE, % CAL. BIAS	O	-2.68	-1.40	-1.50	-1.15
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**-1.0**	**0.1**	**0.24**	**0.09**
	UPSCALE (ppm or %)	Q	**282.4**	**91.0**	**8.90**	**8.70**
	ZERO, % CAL. BIAS	R	-0.30	-0.50	-0.05	0.20
	UPSCALE, % CAL. BIAS	S	-3.50	-0.70	-1.14	-1.15
9	ZERO % DRIFT	AA	-0.40	0.00	0.09	-0.30
	UPSCALE % DRIFT	BB	-0.82	0.70	0.36	0.00
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	0.00	0.10	0.23	0.12
	UPSCALE (ppm or %)	DD	284.45	90.65	8.86	8.70
11	SAMPLE VALUE (ave)	EE	**50.5**	**16.2**	**10.25**	9.27
12	CORRECTED CONC.	FF	53.3	16.3	10.44	9.41
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	70.8	21.6		
	Flow Rate, Qsd (dscfm)	II	#N/A	#N/A		
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **INLET**

RUN NO.: **RATA 6**
TEST DATE: **6/23/99**
RUN TIME: **1444-1543**

Standard Temperature ^{o}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**-1.0**	**0.1**	**0.24**	**0.09**
	UPSCALE (ppm or %)	M	**282.4**	**91.0**	**8.90**	**8.70**
	ZERO, % CAL. BIAS	N	-0.30	-0.50	-0.05	0.20
	UPSCALE, % CAL. BIAS	O	-3.50	-0.70	-1.14	-1.15
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**0.0**	**-0.1**	**0.23**	**0.10**
	UPSCALE (ppm or %)	Q	**288.9**	**91.0**	**8.88**	**8.72**
	ZERO, % CAL. BIAS	R	-0.10	-0.70	-0.09	0.25
	UPSCALE, % CAL. BIAS	S	-2.20	-0.70	-1.23	-1.05
9	ZERO % DRIFT	AA	0.20	-0.20	-0.05	0.05
	UPSCALE % DRIFT	BB	1.30	0.00	-0.09	0.10
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	-0.50	0.00	0.24	0.10
	UPSCALE (ppm or %)	DD	285.65	91.00	8.89	8.71
11	SAMPLE VALUE (ave)	EE	**54.0**	**15.1**	**10.20**	**9.28**
12	CORRECTED CONC.	FF	57.1	15.2	10.35	9.40
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	75.3	20.0		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	0.180	0.021		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA 7**
SOURCE: **UNIT 2** TEST DATE: **6/23/99**
LOCATION: **INLET** RUN TIME: **1600-1629**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**0.0**	**-0.1**	**0.23**	**0.10**
	UPSCALE (ppm or %)	M	**288.9**	**91.0**	**8.88**	**8.72**
	ZERO, % CAL. BIAS	N	-0.10	-0.70	-0.09	0.25
	UPSCALE, % CAL. BIAS	O	-2.20	-0.70	-1.23	-1.05
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**-0.5**	**0.1**	**0.22**	**0.12**
	UPSCALE (ppm or %)	Q	**289.0**	**90.8**	**8.82**	**8.76**
	ZERO, % CAL. BIAS	R	-0.20	-0.50	-0.14	0.35
	UPSCALE, % CAL. BIAS	S	-2.18	-0.90	-1.50	-0.85
9	ZERO % DRIFT	AA	-0.10	0.20	-0.05	0.10
	UPSCALE % DRIFT	BB	0.02	-0.20	-0.27	0.20
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	-0.25	0.00	0.23	0.11
	UPSCALE (ppm or %)	DD	288.95	90.90	8.85	8.74
11	SAMPLE VALUE (ave)	EE	**80.9**	**14.9**	**10.21**	9.32
12	CORRECTED CONC.	FF	84.2	15.0	10.41	9.41
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0			
	ppm @ 7 % O2	HH	111.5	19.9		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **INLET**

RUN NO.: **RATA 8**
TEST DATE: **6/23/99**
RUN TIME: **1643-1712**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.0**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.00		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**-0.5**	**0.1**	**0.22**	**0.12**
	UPSCALE (ppm or %)	M	**289.0**	**90.8**	**8.82**	**8.76**
	ZERO, % CAL. BIAS	N	-0.20	-0.50	-0.14	0.35
	UPSCALE, % CAL. BIAS	O	-2.18	-0.90	-1.50	-0.85
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**-1.0**	**0.6**	**0.24**	**0.11**
	UPSCALE (ppm or %)	Q	**292.6**	**90.6**	**8.87**	**8.64**
	ZERO, % CAL. BIAS	R	-0.30	0.00	-0.05	0.30
	UPSCALE, % CAL. BIAS	S	-1.46	-1.10	-1.27	-1.45
9	ZERO % DRIFT	AA	-0.10	0.50	0.09	-0.05
	UPSCALE % DRIFT	BB	0.72	-0.20	0.23	-0.60
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	-0.75	0.35	0.23	0.12
	UPSCALE (ppm or %)	DD	290.80	90.70	8.85	8.70
11	SAMPLE VALUE (ave)	EE	**55.6**	**15.3**	**10.06**	**9.40**
12	CORRECTED CONC.	FF	58.0	15.1	10.26	9.54
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	75.7	19.8		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **INLET**

RUN NO.: **RATA 9**
TEST DATE: **6/23/99**
RUN TIME: **1729-1758**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**-1.0**	**0.6**	**0.24**	**0.11**
	UPSCALE (ppm or %)	M	**292.6**	**90.6**	**8.87**	**8.64**
	ZERO, % CAL. BIAS	N	-0.30	0.00	-0.05	0.30
	UPSCALE, % CAL. BIAS	O	-1.46	-1.10	-1.27	-1.45
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**-0.5**	**0.0**	**0.27**	**0.10**
	UPSCALE (ppm or %)	Q	**286.4**	**90.6**	**8.84**	**8.66**
	ZERO, % CAL. BIAS	R	-0.20	-0.60	0.09	9.10
	UPSCALE, % CAL. BIAS	S	-2.70	-1.10	-1.41	-1.35
9	ZERO % DRIFT	AA	0.10	-0.60	0.14	-0.05
	UPSCALE % DRIFT	BB	-1.24	0.00	-0.14	0.10
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	-0.75	0.30	0.26	0.11
	UPSCALE (ppm or %)	DD	289.50	90.60	8.86	8.65
11	SAMPLE VALUE (ave)	EE	**48.1**	**18.0**	**10.37**	**9.19**
12	CORRECTED CONC.	FF	50.5	17.9	10.57	9.38
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	68.0	24.1		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA 10**
SOURCE: **UNIT 2** TEST DATE: **6/23/99**
LOCATION: **INLET** RUN TIME: **1812-1841**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**22**	**20**
2	CAL. GAS USED					
	ZERO	B	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'		**30.0**		
	MID	C	**300.0**	**60.0**	**8.99**	**8.82**
	HIGH	D	**450.0**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK					
	ZERO (ppm or %)	E	**0.5**	**0.6**	**0.25**	**0.05**
	LOW (ppm or %)	E'		**30.6**		
	MID (ppm or %)	F	**299.9**	**60.7**	**9.15**	**8.93**
	HIGH (ppm or %)	G	**449.8**	**91.7**	**19.98**	**17.64**
	ZERO, % ERROR	H	0.10	0.60	1.14	0.25
	LOW, % ERROR	H'		0.60		
	MID, % ERROR	I	-0.02	0.70	0.73	0.55
	HIGH, % ERROR	J	-0.04	0.20	0.18	0.00
4	INITIAL LINEARITY (%)	K	-0.03	0.36	0.02	0.42
5	INITIAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	L	**-0.5**	**0.0**	**0.27**	**0.10**
	UPSCALE (ppm or %)	M	**286.4**	**90.6**	**8.84**	**8.66**
	ZERO, % CAL. BIAS	N	-0.20	-0.60	0.09	0.25
	UPSCALE, % CAL. BIAS	O	-2.70	-1.10	-1.41	-1.35
6	FINAL SYS. CAL.. RESP.					
	ZERO (ppm or %)	P	**-1.1**	**0.3**	**0.27**	**0.12**
	UPSCALE (ppm or %)	Q	**285.1**	**91.0**	**8.87**	**8.68**
	ZERO, % CAL. BIAS	R	-0.32	-0.30	0.09	0.35
	UPSCALE, % CAL. BIAS	S	-2.96	-0.70	-1.27	-1.25
9	ZERO % DRIFT	AA	-0.12	0.30	0.00	0.10
	UPSCALE % DRIFT	BB	-0.26	0.40	0.14	0.10
10	AVE. SYS. BIAS RESP.					
	ZERO (ppm or %)	CC	-0.80	0.15	0.27	0.11
	UPSCALE (ppm or %)	DD	285.75	90.80	8.86	8.67
11	SAMPLE VALUE (ave)	EE	**54.3**	**16.5**	**10.19**	**9.39**
12	CORRECTED CONC.	FF	57.7	16.5	10.39	9.56
13	DATA REDUCTION:					
	% O2 Correction	GG	7.0	7.0		
	ppm @ 7 % O2	HH	76.3	21.8		
	Flow Rate, Qsd (dscfm)	II	#N/A			
	lb/hr	JJ	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A			

APPENDIX B

REFERENCE METHOD TEST RESULTS

2.0 UNIT NO. 2

b. STACK

Client Name:	OGDEN MARTIN SYSTEMS	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	06/23/99
City, State:	FORT MYERS, FL	Facility ID:	NA
Test Location:	UNIT 2 STACK	Equipment: ID:	NA

REFERENCE METHOD DATA SUMMARY

Run No.	Time (hh:mm)	SO_2 (ppm@7%O2)	NO_x (ppm@7%O2)	CO (ppm@7%O2)	O_2 (%)	CO_2 (%)	H_2O (%)
1	0853-0952	27.30	164.40	27.8	10.60	9.18	#N/A
2	1036-1105	6.80	173.00	23.2	10.45	9.23	#N/A
3	1121-1220	13.30	165.50	26.4	10.50	9.18	#N/A
4	1239-1338	13.40	170.90	24.6	10.49	9.18	#N/A
5	1358-1427	11.60	150.60	22.1	10.79	8.88	#N/A
6	1444-1543	10.60	172.30	19.8	10.69	8.98	#N/A
7	1600-1629	16.80	161.10	18.9	10.59	9.08	#N/A
8	1643-1712	10.20	168.80	19.5	10.57	9.07	#N/A
9	1729-1758	8.50	164.00	22.5	10.61	9.07	#N/A
10	1812-1841	11.20	168.80	20.6	10.57	9.18	#N/A
11							#N/A
12							#N/A
	Average	12.97	165.94	22.54	10.59	9.10	#N/A

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **STACK**

RUN NO.: **RATA-1**
TEST DATE: **6/23/99**
RUN TIME: **0853-0952**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.3**	**0.3**	**0.1**	**0.18**	**0.00**
	UPSCALE (ppm or %)	M	**222.8**	**44.0**	**90.5**	**8.96**	**9.00**
	ZERO, % CAL. BIAS	N	0.00	0.30	-0.10	0.27	0.00
	UPSCALE, % CAL. BIAS	O	-1.34	-0.70	-1.00	-0.32	-0.50
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**-0.5**	**0.0**	**0.12**	**0.10**
	UPSCALE (ppm or %)	Q	**219.6**	**44.9**	**90.3**	**9.02**	**9.00**
	ZERO, % CAL. BIAS	R	0.04	-0.50	-0.20	0.00	0.50
	UPSCALE, % CAL. BIAS	S	-1.98	0.20	-1.20	-0.05	-0.50
9	ZERO % DRIFT	AA	0.04	-0.80	-0.10	-0.27	0.50
	UPSCALE % DRIFT	BB	-0.64	0.90	-0.20	0.27	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.40	-0.10	0.05	0.15	0.05
	UPSCALE (ppm or %)	DD	221.20	44.45	90.40	8.99	9.00
11	SAMPLE VALUE (ave)	EE	**118.4**	**19.9**	**20.4**	**10.57**	**9.10**
12	CORRECTED CONC.	FF	121.8	20.2	20.6	10.60	9.18
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	164.4	27.3	27.8		
	Flow Rate, Qsd (dscfm)	II	**86176**	(2-S-M29-2)			
	lb/hr	JJ	75.22	17.39	7.74		
	lb/MMBtu	JJ'	0.282	0.065	0.029		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA2**
SOURCE: **UNIT 2** TEST DATE: **6/23/99**
LOCATION: **STACK** RUN TIME: **1036-1105**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**-0.5**	**0.0**	**0.12**	**0.10**
	UPSCALE (ppm or %)	M	**219.6**	**44.9**	**90.3**	**9.02**	**9.00**
	ZERO, % CAL. BIAS	N	0.04	-0.50	-0.20	0.00	0.50
	UPSCALE, % CAL. BIAS	O	-1.98	0.20	-1.20	-0.05	-0.50
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.6**	**-0.1**	**0.1**	**0.10**	**0.10**
	UPSCALE (ppm or %)	Q	**220.3**	**44.6**	**90.0**	**8.99**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	-0.10	-0.10	-0.09	0.50
	UPSCALE, % CAL. BIAS	S	-1.84	-0.10	-1.50	-0.18	0.00
9	ZERO % DRIFT	AA	0.02	0.40	0.10	-0.09	0.00
	UPSCALE % DRIFT	BB	0.14	-0.30	-0.30	-0.14	0.50
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.55	-0.30	0.05	0.11	0.10
	UPSCALE (ppm or %)	DD	219.95	44.75	90.15	9.01	9.05
11	SAMPLE VALUE (ave)	EE	**125.7**	**4.8**	**17.2**	**10.45**	**9.20**
12	CORRECTED CONC.	FF	130.1	5.1	17.4	10.45	9.23
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	173.0	6.8	23.2		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA3**
SOURCE: **UNIT 2** TEST DATE: **6/23/99**
LOCATION: **STACK** RUN TIME: **1121-1220**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.6**	**-0.1**	**0.1**	**0.10**	**0.10**
	UPSCALE (ppm or %)	M	**220.3**	**44.6**	**90.0**	**8.99**	**9.10**
	ZERO, % CAL. BIAS	N	0.06	-0.10	-0.10	-0.09	0.50
	UPSCALE, % CAL. BIAS	O	-1.84	-0.10	-1.50	-0.18	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.6**	**-0.2**	**-0.4**	**0.10**	**0.10**
	UPSCALE (ppm or %)	Q	**220.2**	**44.2**	**89.3**	**8.93**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	-0.20	-0.60	-0.09	0.50
	UPSCALE, % CAL. BIAS	S	-1.86	-0.50	-2.20	-0.45	0.00
9	ZERO % DRIFT	AA	0.00	-0.10	-0.50	0.00	0.00
	UPSCALE % DRIFT	BB	-0.02	-0.40	-0.70	-0.27	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.60	-0.15	-0.15	0.10	0.10
	UPSCALE (ppm or %)	DD	220.25	44.40	89.65	8.96	9.10
11	SAMPLE VALUE (ave)	EE	**119.9**	**9.7**	**19.2**	**10.45**	**9.20**
12	CORRECTED CONC.	FF	123.8	10.0	19.7	10.50	9.18
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	165.5	13.3	26.4		
	Flow Rate, Qsd (dscfm)	II	**86846**	(2-S-M29-3)			
	lb/hr	JJ	77.04	8.63	7.47		
	lb/MMBtu	JJ'	0.284	0.032	0.028		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570				
	Moisture Content, %						

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA 4**
SOURCE: **UNIT 2** TEST DATE: **6/23/99**
LOCATION: **STACK** RUN TIME: **1239-1338**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.6**	**-0.2**	**-0.4**	**0.10**	**0.10**
	UPSCALE (ppm or %)	M	**220.2**	**44.2**	**89.3**	**8.93**	**9.10**
	ZERO, % CAL. BIAS	N	0.06	-0.20	-0.60	-0.09	0.50
	UPSCALE, % CAL. BIAS	O	-1.86	-0.50	-2.20	-0.45	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.7**	**-0.2**	**-0.1**	**0.12**	**0.10**
	UPSCALE (ppm or %)	Q	**218.3**	**44.4**	**89.5**	**8.90**	**9.10**
	ZERO, % CAL. BIAS	R	0.08	-0.20	-0.30	0.00	0.50
	UPSCALE, % CAL. BIAS	S	-2.24	-0.30	-2.00	-0.59	0.00
9	ZERO % DRIFT	AA	0.02	0.00	0.30	0.09	0.00
	UPSCALE % DRIFT	BB	-0.38	0.20	0.20	-0.14	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.65	-0.20	-0.25	0.11	0.10
	UPSCALE (ppm or %)	DD	219.25	44.30	89.40	8.92	9.10
11	SAMPLE VALUE (ave)	EE	**123.4**	**9.7**	**17.8**	**10.38**	**9.20**
12	CORRECTED CONC.	FF	128.0	10.0	18.4	10.49	9.18
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	170.9	13.4	24.6		
	Flow Rate, Qsd (dscfm)	II	**86846**	(2-S-M29-3)			
	lb/hr	JJ	79.65	8.68	6.98		
	lb/MMBtu	JJ'	0.294	0.032	0.026		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570				
	Moisture Content, %						

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **STACK**

RUN NO.: **RATA 5**
TEST DATE: **6/23/99**
RUN TIME: **1358-1427**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.7**	**-0.2**	**-0.1**	**0.12**	**0.10**
	UPSCALE (ppm or %)	M	**218.3**	**44.4**	**89.5**	**8.90**	**9.10**
	ZERO, % CAL. BIAS	N	0.08	-0.20	-0.30	0.00	0.50
	UPSCALE, % CAL. BIAS	O	-2.24	-0.30	-2.00	-0.59	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.7**	**-0.1**	**-0.2**	**0.06**	**0.10**
	UPSCALE (ppm or %)	Q	**218.0**	**44.3**	**89.5**	**8.86**	**9.10**
	ZERO, % CAL. BIAS	R	0.08	-0.10	-0.40	-0.27	0.50
	UPSCALE, % CAL. BIAS	S	-2.30	-0.40	-2.00	-0.77	0.00
9	ZERO % DRIFT	AA	0.00	0.10	-0.10	-0.27	0.00
	UPSCALE % DRIFT	BB	-0.06	-0.10	0.00	-0.18	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.70	-0.15	-0.15	0.09	0.10
	UPSCALE (ppm or %)	DD	218.15	44.35	89.50	8.88	9.10
11	SAMPLE VALUE (ave)	EE	**105.2**	**8.2**	**15.6**	**10.64**	**8.90**
12	CORRECTED CONC.	FF	109.6	8.5	16.1	10.79	8.88
13	DATA REDUCTION:						
	% O2 Correction	GG	7				
	ppm @ 7 % O2	HH	150.6	11.6	22.1		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA** RUN NO.: **RATA 6**
SOURCE: **UNIT 2** TEST DATE: **6/23/99**
LOCATION: **STACK** RUN TIME: **1444-1543**

Standard Temperature °F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.7**	**-0.1**	**-0.2**	**0.06**	**0.10**
	UPSCALE (ppm or %)	M	**218.0**	**44.3**	**89.5**	**8.86**	**9.10**
	ZERO, % CAL. BIAS	N	0.08	-0.10	-0.40	-0.27	0.50
	UPSCALE, % CAL. BIAS	O	-2.30	-0.40	-2.00	-0.77	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.6**	**-1.0**	**-0.5**	**0.07**	**0.10**
	UPSCALE (ppm or %)	Q	**217.7**	**42.8**	**90.0**	**8.84**	**9.10**
	ZERO, % CAL. BIAS	R	0.06	-1.00	-0.70	-0.23	0.50
	UPSCALE, % CAL. BIAS	S	-2.36	-1.90	-1.50	-0.86	0.00
9	ZERO % DRIFT	AA	-0.02	-0.90	-0.30	0.05	0.00
	UPSCALE % DRIFT	BB	-0.06	-1.50	0.50	-0.09	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.65	-0.55	-0.35	0.07	0.10
	UPSCALE (ppm or %)	DD	217.85	43.55	89.75	8.85	9.10
11	SAMPLE VALUE (ave)	EE	**121.2**	**7.1**	**14.0**	**10.51**	**9.00**
12	CORRECTED CONC.	FF	126.5	7.8	14.6	10.69	8.98
13	DATA REDUCTION:						
	% O2 Correction	GG	7				
	ppm @ 7 % O2	HH	172.3	10.6	19.8		
	Flow Rate, Qsd (dscfm)	II	**86763**	(2-SB-M5-2)			
	lb/hr	JJ	78.65	6.76	5.51		
	lb/MMBtu	JJ'	0.296	0.025	0.021		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	9570				
	Moisture Content, %						

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **STACK**

RUN NO.: **RATA 7**
TEST DATE: **6/23/99**
RUN TIME: **1600-1629**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.6**	**-1.0**	**-0.5**	**0.07**	**0.10**
	UPSCALE (ppm or %)	M	**217.7**	**42.8**	**90.0**	**8.84**	**9.10**
	ZERO, % CAL. BIAS	N	0.06	-1.00	-0.70	-0.23	0.50
	UPSCALE, % CAL. BIAS	O	-2.36	-1.90	-1.50	-0.86	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.7**	**-1.0**	**-0.1**	**0.15**	**0.10**
	UPSCALE (ppm or %)	Q	**219.9**	**44.4**	**89.8**	**8.87**	**9.10**
	ZERO, % CAL. BIAS	R	0.08	-1.00	-0.30	0.14	0.50
	UPSCALE, % CAL. BIAS	S	-1.92	-0.30	-1.70	-0.73	0.00
9	ZERO % DRIFT	AA	0.02	0.00	0.40	0.36	0.00
	UPSCALE % DRIFT	BB	0.44	1.60	-0.20	0.14	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.65	-1.00	-0.30	0.11	0.10
	UPSCALE (ppm or %)	DD	218.80	43.60	89.90	8.86	9.10
11	SAMPLE VALUE (ave)	EE	**115.0**	**11.3**	**13.5**	**10.41**	**9.10**
12	CORRECTED CONC.	FF	119.5	12.4	14.0	10.59	9.08
13	DATA REDUCTION:						
	% O2 Correction	GG	7				
	ppm @ 7 % O2	HH	161.1	16.8	18.9		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **STACK**

RUN NO.: **RATA 8**
TEST DATE: **6/23/99**
RUN TIME: **1643-1712**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.7**	**-1.0**	**-0.1**	**0.15**	**0.10**
	UPSCALE (ppm or %)	M	**219.9**	**44.4**	**89.8**	**8.87**	**9.10**
	ZERO, % CAL. BIAS	N	0.08	-1.00	-0.30	0.14	0.50
	UPSCALE, % CAL. BIAS	O	-1.92	-0.30	-1.70	-0.73	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.7**	**-1.3**	**0.0**	**0.13**	**0.10**
	UPSCALE (ppm or %)	Q	**219.8**	**44.5**	**90.0**	**8.88**	**9.11**
	ZERO, % CAL. BIAS	R	0.08	-1.30	-0.20	0.05	0.50
	UPSCALE, % CAL. BIAS	S	-1.94	-0.20	-1.50	-0.68	0.05
9	ZERO % DRIFT	AA	0.00	-0.30	0.10	-0.09	0.00
	UPSCALE % DRIFT	BB	-0.02	0.10	0.20	0.05	0.05
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.70	-1.15	-0.05	0.14	0.10
	UPSCALE (ppm or %)	DD	219.85	44.45	89.90	8.88	9.11
11	SAMPLE VALUE (ave)	EE	**121.3**	**6.5**	**14.2**	**10.41**	**9.10**
12	CORRECTED CONC.	FF	125.5	7.6	14.5	10.57	9.07
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	168.8	10.2	19.5		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **STACK**

RUN NO.: **RATA 9**
TEST DATE: **6/23/99**
RUN TIME: **1729-1758**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.7**	**-1.3**	**0.0**	**0.13**	**0.10**
	UPSCALE (ppm or %)	M	**219.8**	**44.5**	**90.0**	**8.88**	**9.11**
	ZERO, % CAL. BIAS	N	0.08	-1.30	-0.20	0.05	0.50
	UPSCALE, % CAL. BIAS	O	-1.94	-0.20	-1.50	-0.68	0.05
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.5**	**-1.6**	**0.0**	**0.10**	**0.10**
	UPSCALE (ppm or %)	Q	**220.8**	**44.0**	**89.9**	**8.89**	**9.10**
	ZERO, % CAL. BIAS	R	0.04	-1.60	-0.20	-0.09	9.10
	UPSCALE, % CAL. BIAS	S	-1.74	-0.70	-1.60	-0.64	0.00
9	ZERO % DRIFT	AA	-0.04	-0.30	0.00	-0.14	0.00
	UPSCALE % DRIFT	BB	0.20	-0.50	-0.10	0.05	-0.05
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.60	-1.45	0.00	0.12	0.10
	UPSCALE (ppm or %)	DD	220.30	44.25	89.95	8.89	9.11
11	SAMPLE VALUE (ave)	EE	**117.5**	**4.9**	**16.4**	**10.47**	**9.10**
12	CORRECTED CONC.	FF	121.3	6.3	16.7	10.61	9.07
13	DATA REDUCTION:						
	% O2 Correction	GG	7	7.0	7.0		
	ppm @ 7 % O2	HH	164.0	8.5	22.5		
	Flow Rate, Qsd (dscfm)	II	#N/A				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

COMPANY: **OMS LEE - FT. MYERS, FLORIDA**
SOURCE: **UNIT 2**
LOCATION: **STACK**

RUN NO.: **RATA 10**
TEST DATE: **6/23/99**
RUN TIME: **1812-1841**

Standard Temperature ^{O}F, Tstd: **68.0**

STEP	DESCRIPTION	VAR	NOx	SO2	CO	O2	CO2
1	RANGE (ppm or %)	A	**500**	**100**	**100**	**22**	**20**
2	CAL. GAS USED						
	ZERO	B	**0.0**	**0.0**	**0.0**	**0.00**	**0.00**
	LOW	B'			**30.0**		
	MID	C	**228.0**	**45.1**	**60.0**	**8.99**	**9.08**
	HIGH	D	**456.0**	**91.1**	**91.5**	**19.94**	**17.64**
3	INITIAL CAL. ERROR CHECK						
	ZERO (ppm or %)	E	**0.3**	**0.0**	**0.2**	**0.12**	**0.00**
	LOW (ppm or %)	E'			**30.5**		
	MID (ppm or %)	F	**229.5**	**44.7**	**59.8**	**9.03**	**9.10**
	HIGH (ppm or %)	G	**456.1**	**90.9**	**91.5**	**19.97**	**17.60**
	ZERO, % ERROR	H	0.06	0.00	0.20	0.55	0.00
	LOW, % ERROR	H'			0.50		
	MID, % ERROR	I	0.30	-0.40	-0.20	0.18	0.10
	HIGH, % ERROR	J	0.02	-0.20	0.00	0.14	-0.20
4	INITIAL LINEARITY (%)	K	0.26	-0.30	-0.27	-0.18	0.20
5	INITIAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	L	**0.5**	**-1.6**	**0.0**	**0.10**	**0.10**
	UPSCALE (ppm or %)	M	**220.8**	**44.0**	**89.9**	**8.89**	**9.10**
	ZERO, % CAL. BIAS	N	0.04	-1.60	-0.20	-0.09	0.50
	UPSCALE, % CAL. BIAS	O	-1.74	-0.70	-1.60	-0.64	0.00
6	FINAL SYS. CAL.. RESP.						
	ZERO (ppm or %)	P	**0.4**	**-1.2**	**0.0**	**0.09**	**0.20**
	UPSCALE (ppm or %)	Q	**220.1**	**44.2**	**90.8**	**8.91**	**9.10**
	ZERO, % CAL. BIAS	R	0.02	-1.20	-0.20	-0.14	1.00
	UPSCALE, % CAL. BIAS	S	-1.88	-0.50	-0.70	-0.55	0.00
9	ZERO % DRIFT	AA	-0.02	0.40	0.00	-0.05	0.50
	UPSCALE % DRIFT	BB	-0.14	0.20	0.90	0.09	0.00
10	AVE. SYS. BIAS RESP.						
	ZERO (ppm or %)	CC	0.45	-1.40	0.00	0.10	0.15
	UPSCALE (ppm or %)	DD	220.45	44.10	90.35	8.90	9.10
11	SAMPLE VALUE (ave)	EE	**121.5**	**7.0**	**15.1**	**10.45**	**9.20**
12	CORRECTED CONC.	FF	125.5	8.3	15.3	10.57	9.18
13	DATA REDUCTION:						
	% O2 Correction	GG	**7**	7.0	7.0		
	ppm @ 7 % O2	HH	168.8	11.2	20.6		
	Flow Rate, Qsd (dscfm)	II	**#N/A**				
	lb/hr	JJ	#N/A	#N/A	#N/A		
	lb/MMBtu	JJ'	#N/A	#N/A	#N/A		
	Conversion Factor, lb/dscf-ppm	KK	1.194E-07	1.661E-07	7.267E-08		
	Fd Factor,dscf/MMBtu	LL	#N/A				

APPENDIX C

REFERENCE METHOD UNCORRECTED TEST DATA

1.0 UNIT NO. 1

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: INITIAL DIRECT CALIBRATION ERROR

DATE : 06-21-1999 TIME: 07:05 - 07:51

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.2
4	STACK	ppmNOx	228.0	229.3
4	STACK	ppmNOx	456.0	456.3
5	STACK	ppmSO2	0.0	-0.0
5	STACK	ppmSO2	45.1	44.7
5	STACK	ppmSO2	91.5	91.1
6	STACK	ppmCO	0.0	0.3
6	STACK	ppmCO	30.0	29.9
6	STACK	ppmCO	60.0	60.0
6	STACK	ppmCO	91.5	91.2
1	STACK	% O2	0.00	0.05
1	STACK	% O2	8.99	9.19
1	STACK	% O2	19.94	19.98
2	STACK	% CO2	0.0	0.0
2	STACK	% CO2	9.1	9.1
2	STACK	% CO2	17.6	17.6
9	INLET	ppmSO2	0.0	0.5
9	INLET	ppmSO2	450.0	450.3
9	INLET	ppmSO2	~~3099~~ 300.0 (HB)	303.8
11	INLET	ppmCO	0.0	0.5
11	INLET	ppmCO	30.0	30.5
11	INLET	ppmCO	60.0	59.9
11	INLET	ppmCO	91.5	91.0
7	INLET	% O2	0.00	0.16
7	INLET	% O2	8.99	9.27
7	INLET	% O2	19.94	20.03
10	INLET	% CO2	0.00	0.01
10	INLET	% CO2	8.82	8.89
10	INLET	% CO2	17.64	17.65

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: INITIAL SYSTEM BIAS

DATE : 06-21-1999 TIME: 08:30 - 09:05

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.2
4	STACK	ppmNOx	228.0	227.5
5	STACK	ppmSO2	0.0	-0.0
5	STACK	ppmSO2	45.1	44.2
6	STACK	ppmCO	0.0	-0.3
6	STACK	ppmCO	91.5	91.1
1	STACK	% O2	0.00	0.10
1	STACK	% O2	8.99	8.97
2	STACK	% CO2	0.0	0.2
2	STACK	% CO2	9.1	9.0
9	INLET	ppmSO2	0.0	1.5
9	INLET	ppmSO2	300.0	291.5
11	INLET	ppmCO	0.0	1.2
11	INLET	ppmCO	91.5	89.8
7	INLET	% O2	0.00	0.34
7	INLET	% O2	8.99	9.11
10	INLET	% CO2	0.00	0.06
10	INLET	% CO2	8.82	8.76

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
09:26	129.5	2.6	28.9	9.32	10.3	68.0	31.3	8.85	10.77
09:27	148.6	2.6	27.8	8.97	10.6	66.1	25.3	8.71	10.75
09:28	167.6	2.6	20.2	8.96	10.6	59.8	18.4	10.32	9.43
09:29	174.2	2.7	17.2	9.13	10.4	64.2	16.4	9.95	9.79
09:30	162.5	2.6	17.1	9.47	10.1	57.7	17.7	11.39	8.40
09:31	132.6	2.5	18.5	10.03	9.6	50.5	15.3	13.03	6.95
09:32	105.5	2.5	17.9	10.54	9.1	44.6	14.3	14.26	5.95
09:33	90.3	2.5	18.3	10.89	8.8	44.6	14.2	14.59	6.00
09:34	99.1	2.8	21.2	10.73	9.0	47.7	16.8	14.04	6.35
09:35	112.3	2.7	26.4	10.54	9.1	60.3	22.8	11.76	8.67
09:36	125.4	3.0	29.8	10.08	9.6	71.0	29.9	9.67	10.11
09:37	130.7	3.1	27.4	9.91	9.7	67.8	27.7	9.66	10.10
09:38	145.1	3.2	25.2	9.64	10.0	69.7	26.7	9.52	10.26
09:39	154.3	3.1	28.3	9.28	10.3	74.3	29.6	8.96	10.60
09:40	180.1	3.3	21.5	8.73	10.8	83.9	22.7	8.51	10.98
09:41	187.3	3.4	22.0	8.67	10.8	93.4	27.4	8.31	11.00
09:42	169.9	3.5	23.2	9.27	10.2	86.1	25.4	9.42	10.18
09:43	130.9	3.7	23.8	9.97	9.6	81.2	28.3	10.61	9.70
09:44	92.4	3.4	29.0	10.69	8.9	74.4	36.0	10.90	9.00
09:45	62.9	3.2	35.1	11.39	8.2	73.0	40.4	11.75	8.24
09:46	54.3	2.9	45.1	11.69	8.1	75.1	46.9	11.59	8.55
09:47	87.9	2.9	44.3	11.00	8.7	81.7	47.1	10.84	9.15
09:48	104.5	2.8	38.5	10.80	8.9	79.2	40.6	10.79	9.18
09:49	103.9	2.9	32.7	11.00	8.7	69.6	37.1	11.11	8.97
09:50	133.3	2.9	35.1	10.27	9.5	79.0	40.2	9.98	9.97
09:51	169.6	3.0	29.6	9.31	10.3	83.3	29.2	9.26	10.39
09:52	175.4	3.1	20.7	9.32	10.2	83.4	23.7	9.59	10.09
09:53	138.8	3.3	19.5	10.13	9.5	77.0	23.3	10.67	9.30
09:54	88.9	3.5	22.8	11.13	8.5	70.8	25.8	11.68	8.50
09:55	58.4	3.4	28.4	11.88	7.9	65.2	29.6	12.15	7.93
AVERAGE VALUES FOR THE LAST 30 MINUTES									
09:55	127.2	3.0	26.5	10.09	9.5	70.1	27.7	10.72	9.18

COMMENTS: END RATA TEST RUN 1

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 1

DATE : 06-21-1999 TIME: 09:55 - 10:13

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	224.0
5	STACK	ppmSO2	0.0	1.7
5	STACK	ppmSO2	45.1	43.5
6	STACK	ppmCO	0.0	-0.3
6	STACK	ppmCO	91.5	89.5
1	STACK	% O2	0.00	0.09
1	STACK	% O2	8.99	9.00
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	2.0
9	INLET	ppmSO2	300.0	294.8
11	INLET	ppmCO	0.0	0.4
11	INLET	ppmCO	91.5	91.2
7	INLET	% O2	0.00	0.24
7	INLET	% O2	8.99	9.23
10	INLET	% CO2	0.00	0.15
10	INLET	% CO2	8.82	8.82

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
10:38	87.3	3.8	20.9	11.98	7.6	116.7	26.1	12.53	7.45
10:39	95.7	3.7	29.3	11.63	7.9	131.2	35.7	11.73	7.99
10:40	101.7	3.7	27.1	11.48	8.1	145.6	32.6	11.54	8.47
10:41	141.5	4.1	33.8	10.41	8.9	156.1	38.5	10.88	8.69
10:42	116.1	4.3	24.5	11.25	8.1	132.0	28.9	12.02	7.63
10:43	82.1	4.0	24.8	12.31	7.3	117.8	32.5	13.02	6.96
10:44	134.5	4.1	37.7	10.59	9.0	180.9	47.1	10.09	9.71
10:45	142.1	5.0	31.9	10.31	9.0	142.9	29.8	10.85	8.74
10:46	111.3	4.6	22.3	11.19	8.2	121.5	25.7	11.73	7.96
10:47	78.9	4.0	24.0	12.09	7.5	111.7	31.1	12.59	7.26
10:48	100.9	3.8	32.8	11.41	8.2	142.2	40.7	11.55	8.45
10:49	122.3	4.2	28.6	10.86	8.5	146.2	28.2	11.50	8.20
10:50	94.8	4.3	24.1	11.79	7.7	121.7	29.2	12.22	7.68
10:51	124.4	4.2	33.7	10.94	8.5	128.2	40.8	11.36	8.42
10:52	110.3	4.1	28.6	11.47	8.0	112.2	29.6	12.13	7.74
10:53	113.8	3.8	29.8	11.33	8.2	136.3	34.1	11.60	8.27
10:54	112.4	3.9	28.3	11.47	8.0	126.5	31.0	11.90	7.98
10:55	141.2	4.1	31.9	10.45	9.2	153.6	37.7	10.51	9.40
10:56	160.4	4.9	24.8	9.50	9.7	164.6	20.9	10.50	9.02
10:57	112.7	5.0	17.1	11.00	8.3	123.3	19.5	12.17	7.54
10:58	74.1	4.4	22.8	12.11	7.4	102.7	31.7	13.27	6.60
10:59	85.6	3.9	31.7	11.75	7.9	122.6	45.0	12.36	7.67
11:00	94.3	3.9	25.5	11.43	8.0	115.4	26.5	12.39	7.41
11:01	95.0	3.6	22.8	11.54	7.9	124.9	28.0	12.06	7.85
11:02	125.9	3.9	24.8	10.62	8.7	137.1	26.0	11.33	8.31
11:03	102.7	4.1	16.4	11.48	7.8	113.2	18.0	12.35	7.31
11:04	84.9	3.9	19.4	12.20	7.4	119.3	25.0	12.72	7.15
11:05	127.0	4.2	29.9	11.07	8.5	152.1	36.4	10.96	8.99
11:06	169.4	5.4	26.9	9.98	9.3	157.1	24.3	10.32	9.21
11:07	128.1	5.4	18.0	11.31	8.0	119.5	17.9	11.83	7.75
AVERAGE VALUES FOR THE LAST 30 MINUTES									
11:07	112.4	4.2	26.5	11.23	8.2	132.7	30.6	11.73	8.06

COMMENTS: END RATA TEST RUN 2

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 2

DATE : 06-21-1999 TIME: 11:08 - 11:17

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	229.5
5	STACK	ppmSO2	0.0	1.4
5	STACK	ppmSO2	45.1	43.6
6	STACK	ppmCO	0.0	0.1
6	STACK	ppmCO	91.5	90.8
1	STACK	% O2	0.00	0.11
1	STACK	% O2	8.99	8.99
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.0

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
11:21	86.4	6.5	26.0	11.85	7.6	74.7	15.5	7.11	5.10
11:22	107.5	5.9	33.5	11.38	8.1	67.7	18.3	6.91	3.98
11:23	160.9	6.5	33.0	9.86	9.5	60.6	22.0	8.25	4.01
11:24	154.5	6.9	22.9	10.28	8.9	54.7	24.7	9.31	4.74
11:25	120.2	6.1	23.4	11.25	8.1	49.8	24.1	10.19	5.40
11:26	81.1	5.1	25.5	12.01	7.6	46.2	23.5	10.72	5.80
11:27	92.1	4.8	34.1	11.47	8.0	43.4	23.6	10.98	6.18
11:28	102.3	4.8	33.7	11.24	8.3	40.5	25.9	11.10	6.67
11:29	108.4	5.2	35.4	11.22	8.3	63.7	26.8	11.06	7.10
11:30	81.8	5.3	34.7	11.89	7.7	148.7	32.5	11.66	8.05
11:31	101.3	5.2	37.7	11.35	8.2	161.5	36.7	11.18	8.66
11:32	154.8	5.8	37.1	9.90	9.7	183.9	38.3	9.71	9.94
11:33	167.8	6.5	30.7	9.69	9.7	155.4	28.5	9.97	9.55
11:34	137.3	5.6	23.4	10.38	9.0	136.5	24.0	10.79	8.87
11:35	111.8	4.7	24.6	10.90	8.5	136.5	26.7	11.41	8.33
11:36	97.7	4.4	29.9	11.14	8.4	136.8	33.4	11.49	8.44
11:37	113.7	4.5	32.5	10.63	8.8	167.5	32.5	10.58	8.99
11:38	105.6	4.4	30.1	11.03	8.5	142.0	31.0	11.00	8.76
11:39	115.0	4.3	35.8	10.97	8.6	130.8	34.1	10.93	8.89
11:40	121.5	4.1	36.8	10.72	8.8	121.7	35.0	10.49	9.31
11:41	126.8	4.1	43.1	10.60	8.9	114.0	37.6	10.36	9.31
11:42	171.3	3.6	35.8	9.84	9.7	123.3	32.5	9.57	10.01
11:43	151.5	3.4	27.6	10.48	8.9	103.8	26.4	10.54	9.00
11:44	97.9	3.0	25.1	11.58	8.0	96.3	26.8	11.71	8.15
11:45	107.1	2.7	36.5	11.23	8.4	109.8	39.7	11.02	8.80
11:46	120.3	2.5	37.5	10.91	8.7	108.5	38.5	10.91	8.89
11:47	142.1	2.5	33.0	10.33	9.2	118.7	34.3	10.46	9.56
11:48	125.9	2.6	29.4	10.54	9.0	107.6	32.3	10.32	9.35
11:49	131.2	2.2	30.2	10.44	9.1	125.5	33.4	10.01	9.61
11:50	96.2	2.2	29.1	11.56	8.0	94.0	31.0	11.42	8.37
AVERAGE VALUES FOR THE LAST 30 MINUTES									
11:50	119.7	4.5	31.6	10.89	8.6	107.5	29.7	10.37	7.93
11:51	90.2	2.0	37.8	11.46	8.2	92.9	40.1	11.21	8.63
11:52	87.8	1.9	36.8	11.47	8.2	83.2	38.7	11.36	8.52

COMMENTS: END RATA TEST RUN 3 AT STACK

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 3

DATE : 06-21-1999 TIME: 11:53 - 12:02

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	228.6
5	STACK	ppmSO2	0.0	0.6
5	STACK	ppmSO2	45.1	43.3
6	STACK	ppmCO	0.0	0.3
6	STACK	ppmCO	91.5	91.7
1	STACK	% O2	0.00	0.08
1	STACK	% O2	8.99	8.97
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.0

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
12:07	101.3	1.9	24.4	11.02	8.7	60.0	29.7	11.17	8.64
12:08	133.9	1.8	22.6	10.07	9.6	60.5	27.5	10.25	9.61
12:09	144.6	1.8	17.4	9.91	9.6	57.8	17.4	9.97	9.62
12:10	102.2	1.7	14.5	11.13	8.4	52.4	18.5	11.42	8.41
12:11	103.2	1.6	20.2	11.05	8.6	52.2	25.3	11.11	8.88
12:12	129.8	1.7	21.9	10.35	9.2	55.8	25.3	10.45	9.35
12:13	124.6	1.8	19.3	10.50	9.1	52.4	23.3	10.97	8.90
12:14	104.9	2.0	18.8	10.84	8.7	44.0	24.3	11.54	8.38
12:15	93.1	2.1	20.6	10.93	8.6	46.1	27.0	11.28	8.62
12:16	110.8	2.4	24.5	10.40	9.2	49.4	28.9	10.57	9.28
12:17	138.2	3.1	18.8	10.01	9.5	55.3	21.5	10.41	9.36
12:18	129.8	4.2	19.3	10.46	9.0	51.3	23.2	11.00	8.74
12:19	102.9	4.6	13.7	11.31	8.2	46.3	16.2	11.72	8.23
12:20	129.9	5.1	18.3	10.68	8.9	51.8	23.9	10.02	9.10
12:21	139.7	6.2	17.8	10.47	9.0	51.8	19.0	10.64	9.08
12:22	118.1	7.0	14.0	11.04	8.5	46.0	15.4	11.43	8.44
12:23	114.5	7.0	17.3	10.77	8.9	47.3	20.8	10.92	9.01
12:24	116.8	7.1	19.4	10.47	9.1	45.2	21.5	10.98	8.89
12:25	111.7	7.6	17.4	10.56	9.1	43.6	21.3	10.91	9.03
12:26	128.2	7.8	18.2	10.24	9.4	42.5	22.1	10.40	9.42
12:27	137.7	7.4	15.4	10.45	9.1	40.0	17.0	10.71	9.12
12:28	108.9	7.4	13.6	11.06	8.6	39.9	16.2	11.03	8.76
12:29	146.3	7.8	15.7	10.11	9.5	42.3	20.0	10.35	9.49
12:30	154.0	7.8	14.4	10.26	9.3	40.8	15.6	10.94	8.79
12:31	108.4	7.0	11.0	11.28	8.3	31.0	13.2	11.83	7.96
12:32	95.8	6.5	13.8	11.35	8.4	31.3	19.0	11.48	8.59
12:33	112.5	6.0	15.5	10.99	8.7	31.6	17.3	11.03	8.85
12:34	139.6	6.0	16.2	10.35	9.4	35.0	19.4	10.54	9.38
12:35	152.8	6.5	13.0	10.09	9.5	36.4	13.0	10.48	9.32
12:36	120.3	6.6	9.6	10.83	8.7	33.2	10.4	11.27	8.54
AVERAGE VALUES FOR THE LAST 30 MINUTES									
12:36	122.0	4.9	17.3	10.63	9.0	45.8	20.4	10.89	8.93

COMMENTS: END RATA TEST RUN 4

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK

DATE : 06-21-1999 TIME: 12:37 - 12:49

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.6
4	STACK	ppmNOx	228.0	226.9
5	STACK	ppmSO2	0.0	0.3
5	STACK	ppmSO2	45.1	42.6
6	STACK	ppmCO	0.0	-0.2
6	STACK	ppmCO	91.5	91.4
1	STACK	% O2	0.00	0.08
1	STACK	% O2	8.99	8.94
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	1.5
9	INLET	ppmSO2	300.0	294.5
11	INLET	ppmCO	0.0	0.5
11	INLET	ppmCO	91.5	91.3
7	INLET	% O2	0.00	0.19
7	INLET	% O2	8.99	9.18
10	INLET	% CO2	0.00	0.12
10	INLET	% CO2	8.82	8.89

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
12:52	111.8	3.4	14.2	10.75	9.0	162.4	26.0	2.04	0.35
12:53	140.3	3.2	14.0	10.20	9.5	136.5	22.5	2.01	0.34
12:54	167.4	3.4	13.1	9.78	9.8	116.1	19.7	2.46	0.34
12:55	134.9	3.7	8.6	10.63	8.9	100.9	17.5	4.07	0.84
12:56	97.5	3.8	10.5	11.20	8.5	90.5	15.9	5.34	1.79
12:57	124.3	4.0	14.5	10.54	9.2	80.5	14.3	6.62	2.92
12:58	133.2	3.7	15.2	10.25	9.4	72.7	14.1	7.48	3.91
12:59	102.3	3.5	11.0	10.89	8.8	67.6	14.3	7.85	4.52
13:00	113.1	3.2	14.5	10.55	9.2	64.1	14.2	8.43	4.83
13:01	101.8	3.2	15.8	10.69	9.1	60.7	13.6	9.08	5.10
13:02	123.0	3.4	14.8	10.39	9.3	57.7	13.6	9.52	5.36
13:03	90.7	3.1	11.9	11.23	8.5	55.2	13.8	9.77	5.66
13:04	106.3	3.0	18.2	10.79	9.0	53.0	13.5	10.08	5.87
13:05	110.0	3.2	17.5	10.76	9.0	50.9	13.1	10.33	5.99
13:06	108.2	3.0	14.6	10.88	8.9	48.9	13.8	10.61	6.13
13:07	118.3	2.8	16.0	10.74	9.0	47.2	14.0	10.79	6.25
13:08	109.9	2.6	15.5	11.05	8.7	45.4	13.6	10.96	6.37
13:09	176.9	2.6	20.4	9.36	10.4	43.9	13.7	11.50	6.41
13:10	190.6	3.3	14.2	8.99	10.5	42.2	13.7	11.37	6.53
13:11	117.5	2.8	12.6	10.66	8.9	38.9	14.3	11.46	6.74
13:12	57.9	2.3	16.4	11.96	7.8	36.7	13.6	11.57	6.88
13:13	57.3	1.9	24.1	12.13	7.7	35.0	13.6	11.43	7.02
13:14	81.7	1.7	24.9	11.63	8.1	33.3	14.8	11.32	7.46
13:15	98.6	1.5	24.9	11.14	8.6	31.9	16.7	11.50	7.66
13:16	104.2	1.4	24.2	10.68	9.1	30.8	17.9	11.79	7.56
13:17	130.9	1.5	23.7	9.88	9.9	29.6	18.8	12.08	7.37
13:18	152.7	1.5	18.8	9.66	10.0	28.6	19.3	12.18	7.28
13:19	147.8	1.5	16.7	9.86	9.8	27.6	19.4	12.13	7.33
13:20	122.9	1.3	14.6	10.43	9.2	26.8	18.5	12.17	7.42
13:21	103.5	1.3	14.5	10.76	8.9	26.1	17.5	11.96	7.62
AVERAGE VALUES FOR THE LAST 30 MINUTES									
13:21	117.8	2.7	16.3	10.62	9.1	58.1	16.0	9.33	5.33

COMMENTS: END RATA TEST RUN 5 AT STACK

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 5

DATE : 06-21-1999 TIME: 13:21 - 13:29

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.8
4	STACK	ppmNOx	228.0	227.3
5	STACK	ppmSO2	0.0	-0.4
5	STACK	ppmSO2	45.1	43.1
6	STACK	ppmCO	0.0	0.2
6	STACK	ppmCO	91.5	91.3
1	STACK	% O2	0.00	0.09
1	STACK	% O2	8.99	8.92
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.0

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
13:32	148.9	5.8	16.0	9.33	10.2	40.9	17.0	9.57	10.01
13:33	156.9	2.0	14.3	9.28	10.2	40.8	16.2	9.71	9.91
13:34	150.3	1.2	8.4	9.66	9.8	40.3	15.9	9.73	9.87
13:35	109.5	0.9	9.5	10.53	9.0	38.5	15.3	9.89	9.76
13:36	67.5	0.7	11.4	11.43	8.2	36.5	14.3	10.13	9.59
13:37	77.6	0.6	14.8	11.22	8.5	34.7	13.5	10.18	9.47
13:38	97.8	0.6	16.8	10.93	8.8	33.1	13.2	10.40	9.35
13:39	133.9	0.5	17.3	9.97	9.7	31.6	13.3	10.58	9.19
13:40	157.1	0.6	13.5	9.39	10.2	30.5	13.4	10.91	8.94
13:41	162.5	0.6	10.8	9.25	10.3	29.5	13.1	11.43	8.58
13:42	187.4	0.6	9.4	9.07	10.4	28.5	12.2	11.99	8.10
13:43	163.3	0.4	7.5	9.60	9.9	27.9	11.3	12.42	7.65
13:44	98.7	0.5	7.4	10.82	8.7	27.2	10.2	12.52	7.37
13:45	45.8	0.4	10.1	12.00	7.7	26.4	9.3	12.64	7.27
13:46	58.0	0.2	16.8	11.74	8.0	25.9	8.5	12.77	7.21
13:47	126.4	0.2	17.1	10.47	9.3	25.5	8.5	12.99	6.99
13:48	164.2	0.3	13.7	9.75	9.8	24.9	9.1	13.20	6.83
13:49	116.7	0.3	10.0	10.77	8.8	24.4	9.5	13.55	6.60
13:50	70.9	0.2	10.9	11.58	8.1	24.4	9.4	13.89	6.30
13:51	90.1	0.1	15.8	11.08	8.6	24.0	8.8	13.93	6.10
13:52	128.1	0.2	15.8	10.36	9.3	23.5	8.5	13.91	6.16
13:53	153.3	0.2	15.3	9.87	9.8	23.4	9.1	13.99	6.16
13:54	139.0	0.2	9.7	10.22	9.4	23.1	9.6	14.16	5.99
13:55	97.3	0.1	7.8	11.13	8.5	22.7	9.8	14.25	5.93
13:56	98.1	0.0	11.7	11.09	8.7	22.4	9.0	14.15	5.96
13:57	126.0	-0.0	14.4	10.42	9.3	22.1	8.4	14.08	6.03
13:58	124.0	0.1	12.6	10.47	9.2	22.0	8.3	14.01	6.06
13:59	105.3	0.0	11.5	10.92	8.8	21.8	8.6	14.13	6.02
14:00	114.3	0.1	13.5	10.73	8.9	21.5	8.5	14.27	5.91
14:01	76.1	-0.0	10.8	11.54	8.1	21.4	8.5	14.33	5.82
AVERAGE VALUES FOR THE LAST 30 MINUTES									
14:01	118.2	0.6	12.5	10.49	9.1	28.0	11.0	12.46	7.50

COMMENTS: END RATA TEST RUN 6 AT STACK

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 6

DATE : 06-21-1999 TIME: 14:01 - 14:09

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	226.2
5	STACK	ppmSO2	0.0	-0.4
5	STACK	ppmSO2	45.1	43.5
6	STACK	ppmCO	0.0	0.5
6	STACK	ppmCO	91.5	90.9
1	STACK	% O2	0.00	0.10
1	STACK	% O2	8.99	8.93
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.0

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
14:11	137.3	1.2	12.8	10.39	9.2	20.2	7.6	11.48	2.89
14:12	141.2	0.2	12.5	9.96	9.6	21.2	7.3	10.57	2.63
14:13	124.1	0.0	9.4	10.50	9.0	21.8	7.9	10.11	2.15
14:14	115.8	-0.1	11.1	10.82	8.8	21.6	8.0	11.02	2.60
14:15	150.8	-0.1	14.2	9.94	9.6	21.2	7.8	11.50	3.23
14:16	156.7	-0.0	11.3	9.97	9.6	20.7	8.0	11.82	3.87
14:17	170.4	-0.1	10.5	9.94	9.6	20.5	8.4	12.14	4.31
14:18	133.0	-0.1	8.4	10.66	8.9	20.4	8.4	12.49	4.49
14:19	117.4	-0.0	9.9	10.99	8.6	20.1	8.1	12.59	4.81
14:20	109.5	-0.1	12.0	11.07	8.6	19.9	7.6	12.70	5.18
14:21	139.9	-0.1	14.9	10.24	9.4	19.9	7.6	12.90	5.41
14:22	172.4	0.1	12.3	9.57	10.0	19.6	7.9	13.04	5.54
14:23	158.4	0.1	8.2	10.01	9.5	19.4	8.5	13.24	5.63
14:24	102.9	0.1	7.9	10.98	8.6	19.2	8.2	13.51	5.66
14:25	86.8	0.1	12.2	11.14	8.6	19.2	7.8	13.62	5.64
14:26	151.5	0.1	18.2	9.62	10.1	19.1	7.4	13.52	5.78
14:27	153.2	0.2	12.5	9.70	9.8	19.0	7.6	13.61	5.93
14:28	116.5	0.1	9.5	10.53	9.0	18.8	8.6	13.94	5.80
14:29	59.5	0.0	10.3	11.57	8.1	18.6	8.3	14.14	5.68
14:30	80.9	-0.2	14.6	11.24	8.5	18.6	7.9	14.03	5.72
14:31	128.4	-0.1	15.7	10.28	9.3	18.6	7.7	14.08	5.82
14:32	112.9	-0.2	10.5	10.79	8.8	18.5	8.3	14.20	5.74
14:33	123.9	-0.4	12.5	10.60	9.0	18.3	8.5	14.40	5.61
14:34	117.2	-0.3	14.6	10.79	8.8	18.2	8.1	14.51	5.54
14:35	102.1	-0.3	16.8	10.99	8.6	18.1	8.1	14.58	5.46
14:36	118.9	-0.4	19.6	10.46	9.3	18.0	8.6	14.71	5.39
14:37	139.2	-0.4	14.9	10.10	9.5	17.9	9.1	14.70	5.41
14:38	105.5	-0.5	10.4	10.96	8.6	17.7	10.1	14.75	5.35
14:39	88.6	-0.7	12.3	11.34	8.4	17.5	10.1	14.64	5.36
14:40	132.8	-0.7	14.9	10.23	9.5	17.2	9.4	14.50	5.49
AVERAGE VALUES FOR THE LAST 30 MINUTES									
14:40	124.9	-0.1	12.5	10.51	9.1	19.3	8.2	13.24	4.94

COMMENTS: END RATA TEST RUN 7

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 7 AT STACK

DATE : 06-21-1999 TIME: 14:41 - 14:55

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.6
4	STACK	ppmNOx	228.0	225.3
5	STACK	ppmSO2	0.0	-1.0
5	STACK	ppmSO2	45.1	43.4
6	STACK	ppmCO	0.0	0.3
6	STACK	ppmCO	91.5	91.3
1	STACK	% O2	0.00	0.09
1	STACK	% O2	8.99	8.92
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	1.5
9	INLET	ppmSO2	300.0	292.8
11	INLET	ppmCO	0.0	-0.1
11	INLET	ppmCO	91.5	90.5
7	INLET	% O2	0.00	0.26
7	INLET	% O2	8.99	9.11
10	INLET	% CO2	0.00	0.10
10	INLET	% CO2	8.82	8.67

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: DIRECT CALIBRATION ERROR FOR SO2

DATE : 06-21-1999 TIME: 14:55 - 15:01

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
5	STACK	ppmSO2	0.0	-0.1
5	STACK	ppmSO2	45.1	45.0
5	STACK	ppmSO2	91.1	91.1

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK FOR STACK SO2

DATE : 06-21-1999 TIME: 15:02 - 15:04

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
5	STACK	ppmSO2	0.0	0.4
5	STACK	ppmSO2	45.1	45.0

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
15:08	138.4	3.4	11.4	9.43	10.1	36.0	12.3	9.51	10.20
15:09	130.3	3.1	10.0	10.04	9.5	32.6	11.1	10.04	9.67
15:10	92.4	2.9	9.9	10.95	8.6	31.2	10.8	10.95	8.96
15:11	86.0	2.8	14.0	10.84	8.8	34.5	15.7	10.58	9.25
15:12	100.9	2.8	16.5	10.63	9.0	33.5	17.7	10.48	9.49
15:13	124.3	2.8	16.3	9.92	9.7	36.1	16.7	9.65	10.11
15:14	146.8	2.9	13.1	9.51	10.0	40.8	12.9	9.12	10.48
15:15	157.0	2.8	10.8	9.60	9.9	43.2	11.4	9.36	10.23
15:16	143.1	2.9	9.9	9.95	9.6	43.0	10.6	9.65	9.99
15:17	122.2	2.9	8.9	10.44	9.0	43.9	9.6	10.16	9.56
15:18	80.9	2.9	10.6	11.27	8.3	41.1	11.8	11.05	8.74
15:19	92.3	2.9	17.1	11.07	8.6	42.8	18.0	10.74	9.19
15:20	132.7	2.8	19.4	10.03	9.6	46.3	19.7	9.75	10.03
15:21	135.2	3.0	14.8	9.95	9.6	47.8	15.3	9.86	9.95
15:22	142.8	2.8	11.1	9.93	9.6	47.2	11.5	9.67	9.99
15:23	109.9	2.9	9.7	10.65	8.8	43.6	10.6	10.53	9.22
15:24	103.6	2.9	13.8	10.72	8.9	45.7	15.5	10.57	9.35
15:25	115.9	2.8	15.4	10.28	9.3	47.3	16.8	10.17	9.55
15:26	119.1	2.8	12.9	10.56	8.9	48.2	13.8	10.51	9.24
15:27	100.9	2.8	13.7	10.90	8.7	47.4	14.6	10.84	9.10
15:28	118.5	2.7	16.7	10.27	9.3	51.6	18.2	10.13	9.70
15:29	144.3	2.7	12.8	9.74	9.8	55.4	13.7	9.73	10.09
15:30	165.2	2.8	10.8	9.48	10.0	58.3	12.1	9.37	10.26
15:31	149.7	2.8	8.9	9.90	9.6	58.8	10.1	9.87	9.82
15:32	111.8	2.8	9.6	10.72	8.8	56.2	11.0	10.69	9.04
15:33	67.7	2.7	11.0	11.46	8.1	54.8	13.0	11.49	8.41
15:34	73.2	2.5	15.9	11.32	8.3	60.4	18.7	11.23	8.83
15:35	126.2	2.5	18.2	10.20	9.4	67.1	20.3	9.93	9.82
15:36	132.1	2.6	11.8	10.41	9.1	59.1	12.2	10.63	9.27
15:37	93.6	2.7	9.6	11.07	8.5	53.1	11.3	11.33	8.62
AVERAGE VALUES FOR THE LAST 30 MINUTES									
15:37	116.7	2.8	12.8	10.38	9.2	46.9	13.9	10.25	9.54
15:38	100.0	2.7	13.2	10.96	8.7	56.2	16.2	11.05	9.09
15:39	138.6	2.7	17.7	9.93	9.7	62.2	19.7	9.89	9.96
15:40	129.8	3.0	12.6	10.06	9.5	58.4	12.0	10.15	9.64
15:41	107.5	3.0	11.9	10.57	8.9	57.2	12.6	10.90	8.96
15:42	85.3	3.0	11.9	11.27	8.3	52.4	13.4	11.70	8.26
15:43	102.6	3.0	16.4	10.99	8.6	58.8	18.8	11.09	8.93
15:44	117.3	3.0	15.3	10.63	8.9	59.5	16.5	10.58	9.26
15:45	119.8	3.1	13.3	10.60	8.9	60.3	13.8	10.56	9.33
15:46	119.3	3.2	16.2	10.66	8.8	62.5	17.2	10.68	9.12
15:47	111.8	3.4	15.2	10.90	8.7	62.4	15.0	11.04	8.89
15:48	161.7	3.7	20.4	9.40	10.1	82.7	21.6	9.13	10.48
15:49	153.0	4.0	11.7	9.78	9.6	77.3	10.3	9.61	9.74
15:50	106.3	4.0	12.3	10.93	8.4	69.0	12.8	11.15	8.57
15:51	66.1	3.8	15.8	11.80	7.7	61.4	17.1	11.97	7.86
15:52	68.5	3.5	20.5	11.89	7.7	62.0	21.9	11.99	7.99
15:53	111.3	3.1	25.3	11.03	8.5	70.5	25.7	10.95	8.98
15:54	136.5	3.1	22.8	10.63	8.8	75.7	22.0	10.40	9.28
15:55	134.7	2.9	18.3	10.81	8.7	68.9	17.4	10.83	9.02
15:56	123.2	2.8	17.9	10.87	8.6	70.7	17.8	11.33	8.81
15:57	95.0	2.7	17.5	11.60	7.9	64.7	18.2	11.85	8.00
15:58	135.3	2.5	25.1	10.53	9.0	76.8	27.2	10.48	9.37

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHANI1 INLET ppmCO	CHAN 7 INLET % O2	CHANI0 INLET % CO2
15:59	129.9	2.6	18.6	10.62	8.8	69.3	17.8	10.92	8.85
16:00	106.5	2.6	15.3	11.27	8.2	62.7	16.3	11.51	8.31
16:01	104.6	2.3	19.3	11.28	8.2	65.2	21.2	11.45	8.40
16:02	134.3	2.3	25.7	10.41	9.1	76.9	28.0	10.42	9.41
16:03	103.5	2.4	16.3	11.09	8.3	74.0	15.8	11.23	8.41
16:04	90.6	2.4	19.9	11.30	8.2	82.8	22.4	11.39	8.50
16:05	115.1	2.6	23.7	10.85	8.5	93.8	24.6	10.75	8.89
16:06	99.5	2.6	17.8	11.26	8.1	96.6	17.5	11.12	8.58
16:07	104.2	2.7	20.0	11.27	8.2	92.4	20.2	11.08	8.71
AVERAGE VALUES FOR THE LAST 30 MINUTES									
16:07	113.8	2.9	17.6	10.84	8.7	69.4	18.4	10.90	8.92
AVERAGE VALUES FOR THE LAST HOUR: 60 MINUTES OF VALID DATA									
16:07	116.2	2.9	15.2	10.61	8.9	58.2	16.1	10.58	9.23

COMMENTS: END RATA RUN 8 AT STACK
END RATA RUN 1 AT INLET
END COMPLIANCE TEST RUN 1

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK

DATE : 06-21-1999 TIME: 16:08 - 16:20

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	222.1
5	STACK	ppmSO2	0.0	1.6
5	STACK	ppmSO2	45.1	44.7
6	STACK	ppmCO	0.0	0.4
6	STACK	ppmCO	91.5	91.3
1	STACK	% O2	0.00	0.07
1	STACK	% O2	8.99	8.92
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	0.6
9	INLET	ppmSO2	300.0	300.4
11	INLET	ppmCO	0.0	0.3
11	INLET	ppmCO	91.5	91.3
7	INLET	% O2	0.00	0.24
7	INLET	% O2	8.99	9.07
10	INLET	% CO2	0.00	0.17
10	INLET	% CO2	8.82	8.72

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
16:25	119.3	3.0	21.7	10.59	8.9	67.5	21.4	9.92	9.25
16:26	110.9	2.6	21.2	11.03	8.6	72.7	23.3	10.27	9.19
16:27	131.3	2.4	25.0	10.50	9.1	82.2	26.5	9.85	9.60
16:28	111.9	2.3	20.4	10.68	8.9	74.3	20.1	10.44	9.18
16:29	152.5	2.4	24.3	9.90	9.8	91.9	28.2	9.23	10.31
16:30	179.3	2.4	16.7	9.68	9.8	77.3	14.6	9.24	10.11
16:31	138.1	2.3	12.6	10.63	8.9	74.5	12.9	10.41	9.14
16:32	104.8	2.3	14.2	11.27	8.3	78.9	16.0	11.07	8.69
16:33	134.5	2.1	18.3	10.79	8.8	89.5	19.9	10.32	9.44
16:34	125.6	2.3	18.3	10.66	9.0	87.9	19.8	10.37	9.42
16:35	126.7	2.3	25.4	10.19	9.5	86.7	28.1	9.86	9.87
16:36	143.7	2.6	23.2	9.84	9.8	83.4	24.0	9.65	10.11
16:37	132.6	2.7	15.3	10.18	9.4	76.8	14.9	10.09	9.60
16:38	119.0	2.7	13.5	10.60	9.0	74.7	14.6	10.43	9.38
16:39	101.6	2.7	15.1	10.84	8.8	77.9	15.5	10.62	9.25
16:40	142.0	2.7	20.7	10.04	9.6	89.6	21.1	9.67	10.07
16:41	116.5	2.8	16.2	10.76	8.8	73.5	16.1	10.86	8.94
16:42	118.2	2.9	16.1	10.77	8.9	72.3	17.7	10.50	9.43
16:43	117.0	2.9	16.6	10.83	8.7	66.9	17.5	10.71	9.09
16:44	128.4	2.7	17.4	10.56	9.2	69.6	19.3	10.26	9.79
16:45	150.6	2.7	15.9	10.06	9.5	67.6	15.6	9.84	9.82
16:46	97.5	2.6	10.7	11.23	8.3	56.8	10.8	11.32	8.60
16:47	102.6	2.4	15.7	11.07	8.6	62.9	16.8	10.62	9.36
16:48	102.8	2.4	14.5	11.13	8.5	58.5	14.2	11.00	9.01
16:49	87.7	2.3	17.0	11.20	8.5	59.6	17.8	10.82	9.10
16:50	87.3	2.3	19.4	11.14	8.6	56.4	18.9	10.83	9.14
16:51	118.2	2.2	21.3	10.37	9.4	57.6	21.6	10.13	9.84
16:52	131.9	2.3	16.1	10.12	9.5	60.7	15.9	9.83	9.92
16:53	134.9	2.3	14.8	10.13	9.5	60.8	14.7	9.80	9.99
16:54	146.0	2.2	14.8	9.82	9.8	60.6	15.1	9.23	10.42
AVERAGE VALUES FOR THE LAST 30 MINUTES									
16:54	123.8	2.5	17.8	10.55	9.1	72.3	18.4	10.24	9.50

COMMENTS: END RATA TEST RUN 9

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK

DATE : 06-21-1999 TIME: 16:55 - 17:06

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	224.8
5	STACK	ppmSO2	0.0	1.5
5	STACK	ppmSO2	45.1	44.4
6	STACK	ppmCO	0.0	0.3
6	STACK	ppmCO	91.5	91.3
1	STACK	% O2	0.00	0.07
1	STACK	% O2	8.99	8.97
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	1.4
9	INLET	ppmSO2	300.0	290.7
11	INLET	ppmCO	0.0	0.6
11	INLET	ppmCO	91.5	91.0
7	INLET	% O2	0.00	0.30
7	INLET	% O2	8.99	8.86
10	INLET	% CO2	0.00	0.18
10	INLET	% CO2	8.82	8.73

OMS LEE - FT. MYERS - UNIT 1 06-21-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
17:09	140.6	3.8	11.6	9.81	9.8	64.7	12.3	9.97	9.79
17:10	97.5	3.5	8.9	10.90	8.8	54.7	10.2	11.01	8.72
17:11	91.2	3.2	13.3	11.19	8.6	50.9	16.5	11.09	8.80
17:12	125.2	3.2	16.0	10.58	9.2	55.9	18.0	10.27	9.52
17:13	142.3	3.4	14.5	10.24	9.5	56.6	15.0	9.75	9.93
17:14	142.1	3.5	12.2	10.59	9.2	52.0	11.9	10.19	9.60
17:15	129.0	3.3	11.2	10.85	8.9	50.2	11.2	10.45	9.25
17:16	117.7	3.3	13.4	10.84	9.1	52.8	14.1	10.57	9.41
17:17	162.7	3.5	14.5	9.91	9.9	60.6	14.7	9.59	10.14
17:18	123.1	3.4	9.0	10.96	8.7	54.0	8.9	10.91	8.86
17:19	106.0	3.1	12.4	11.21	8.6	55.7	14.1	11.11	8.94
17:20	143.3	3.4	16.3	10.25	9.5	64.3	17.1	9.99	9.88
17:21	101.8	3.5	12.6	11.15	8.5	56.3	12.9	11.06	8.77
17:22	102.6	3.2	17.0	10.95	8.9	56.7	19.3	10.69	9.29
17:23	135.1	3.2	19.9	9.93	9.8	60.3	20.6	9.70	10.15
17:24	152.8	3.5	13.9	9.46	10.2	65.5	13.9	9.28	10.38
17:25	143.6	3.3	10.6	9.81	9.8	69.8	11.1	9.65	10.11
17:26	130.1	3.4	11.1	10.05	9.6	68.9	12.3	9.98	9.78
17:27	89.4	3.2	12.1	10.65	9.0	65.0	13.4	10.60	9.25
17:28	62.9	3.1	14.3	11.14	8.6	65.9	16.9	11.15	8.85
17:29	88.5	3.0	19.6	10.79	9.0	66.8	23.4	10.55	9.46
17:30	104.3	3.2	18.4	10.55	9.2	64.2	19.2	10.39	9.51
17:31	106.8	3.2	15.2	10.74	9.0	60.5	16.0	10.52	9.40
17:32	130.0	3.2	17.2	10.24	9.5	61.4	18.5	10.00	9.91
17:33	189.2	3.4	13.4	9.36	10.3	66.9	13.4	9.16	10.49
17:34	188.0	3.5	11.6	9.61	10.0	61.6	12.4	9.51	10.15
17:35	136.2	3.4	9.5	10.39	9.2	55.5	9.9	10.34	9.44
17:36	95.9	3.5	10.0	11.05	8.6	54.2	11.2	11.01	8.90
17:37	65.1	3.4	12.2	11.53	8.2	51.2	14.0	11.56	8.43
17:38	85.7	3.3	16.7	10.95	8.8	56.2	16.8	10.82	9.25
AVERAGE VALUES FOR THE LAST 30 MINUTES									
17:38	121.0	3.3	13.6	10.52	9.2	59.3	14.7	10.36	9.48

COMMENTS: END RATA TEST RUN 10 AT STACK
END RATA TEST RUN 3 AT INLET
]

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK

DATE : 06-21-1999 TIME: 17:39 - 17:59

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	225.8
5	STACK	ppmSO2	0.0	2.3
5	STACK	ppmSO2	45.2	45.4
6	STACK	ppmCO	0.0	0.0
6	STACK	ppmCO	91.5	91.7
1	STACK	% O2	0.00	0.12
1	STACK	% O2	8.99	8.98
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	1.5
9	INLET	ppmSO2	300.0	296.2
11	INLET	ppmCO	0.0	0.2
11	INLET	ppmCO	91.5	91.5
7	INLET	% O2	0.00	0.31
7	INLET	% O2	8.99	9.03
10	INLET	% CO2	0.00	0.18
10	INLET	% CO2	8.82	8.82

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: INITIAL DIRECT CALIBRATION ERROR

DATE : 06-22-1999 TIME: 07:11 - 07:38

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.2
4	STACK	ppmNOx	228.0	230.8
4	STACK	ppmNOx	456.0	455.5
5	STACK	ppmSO2	0.0	-0.1
5	STACK	ppmSO2	45.1	44.9
5	STACK	ppmSO2	91.1	90.9
6	STACK	ppmCO	0.0	0.2
6	STACK	ppmCO	30.0	30.6
6	STACK	ppmCO	60.0	60.0
6	STACK	ppmCO	91.5	91.4
1	STACK	% O2	0.00	0.07
1	STACK	% O2	8.99	9.08
1	STACK	% O2	19.94	19.96
2	STACK	% CO2	0.0	0.0
2	STACK	% CO2	9.1	9.1
2	STACK	% CO2	17.6	17.6
9	INLET	ppmSO2	0.0	0.4
9	INLET	ppmSO2	300.0	300.4
9	INLET	ppmSO2	450.0	449.8
11	INLET	ppmCO	0.0	0.6
11	INLET	ppmCO	30.0	30.0
11	INLET	ppmCO	60.0	59.8
11	INLET	ppmCO	91.5	91.7
7	INLET	% O2	0.00	0.16
7	INLET	% O2	8.99	9.19
7	INLET	% O2	19.94	19.89
10	INLET	% CO2	0.00	0.04
10	INLET	% CO2	8.82	8.93
10	INLET	% CO2	17.64	17.66

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: INITIAL SYSTEM BIAS

DATE : 06-22-1999 TIME: 07:38 - 07:54

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.4
4	STACK	ppmNOx	228.0	225.5
5	STACK	ppmSO2	0.0	2.1
5	STACK	ppmSO2	45.1	44.5
6	STACK	ppmCO	0.0	0.0
6	STACK	ppmCO	91.5	91.6
1	STACK	% O2	0.00	0.04
1	STACK	% O2	8.99	9.02
2	STACK	% CO2	0.0	0.0
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	0.5
9	INLET	ppmSO2	300.0	293.5
11	INLET	ppmCO	0.0	0.1
11	INLET	ppmCO	91.5	89.8
7	INLET	% O2	0.00	0.21
7	INLET	% O2	8.99	8.80
10	INLET	% CO2	0.00	0.08
10	INLET	% CO2	8.82	8.73

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
07:59	50.8	3.0	39.8	11.89	8.0	100.9	50.4	11.52	8.45
08:00	79.9	2.9	40.2	10.97	8.9	106.6	45.9	10.64	9.31
08:01	103.4	2.7	34.2	10.04	9.7	106.3	37.0	10.23*	9.92
08:02	113.1	2.5	25.6	9.80	9.9	102.4	28.5	9.98	9.96
08:03	105.5	2.6	23.5	9.85	9.8	105.9	28.5	9.09	10.57
08:04	87.1	4.0	19.1	9.90	9.5	90.6	18.2	9.56	10.07
08:05	73.3	10.5	14.0	10.35	9.4	85.6	15.1	10.21	9.48
08:06	59.9	19.4	12.2	12.21	9.3	80.6	17.3	11.03	8.78
08:07	54.3	26.0	13.8	13.65	7.9	101.4	29.4	10.41	9.51
08:08	61.3	29.0	15.7	14.51	6.5	113.0	25.1	9.62	10.04
08:09	66.2	30.8	14.0	15.09	5.6	106.7	18.7	10.10	9.54
08:10	67.0	33.2	13.2	15.36	5.0	109.6	21.8	10.15	9.54
08:11	64.4	35.4	12.9	15.37	4.6	90.5	20.0	10.98	8.86
08:12	67.1	36.6	13.5	15.42	4.5	104.0	25.5	9.91	9.80
08:13	67.3	36.4	12.4	15.54	4.5	88.1	16.3	10.65	9.02
08:14	56.2	35.9	11.3	15.74	4.4	83.1	22.3	11.10	8.82
08:15	55.9	35.1	14.4	15.81	4.2	85.5	30.3	9.70	10.06
08:16	65.4	34.1	14.0	15.89	4.1	86.6	20.0	9.28	10.38
08:17	79.5	33.0	12.0	16.03	4.0	85.8	18.2	8.93	10.64
08:18	78.3	32.4	11.6	15.96	3.9	79.6	19.4	9.34	10.30
08:19	70.8	32.4	11.8	15.78	3.9	83.4	21.3	8.92	10.74
08:20	76.2	32.2	11.4	15.63	4.0	79.7	17.4	8.54	10.90
08:21	83.4	32.0	10.1	15.58	4.2	72.9	15.5	8.72	10.69
08:22	80.7	31.9	9.0	15.53	4.3	66.8	12.3	9.41	10.09
08:23	67.4	31.5	8.1	15.43	4.3	59.9	12.6	10.40	9.25
08:24	51.3	30.7	9.3	15.39	4.4	64.0	21.2	10.54	9.35
08:25	60.9	29.5	11.5	15.47	4.4	69.6	21.4	9.53	10.07
08:26	57.1	28.5	10.5	15.67	4.4	55.9	16.5	10.31	8.96
08:27	49.1	28.1	11.4	15.82	4.2	59.5	23.8	10.51	9.43
08:28	50.6	27.7	13.0	15.77	4.0	65.4	24.4	9.43	10.27
AVERAGE VALUES FOR THE LAST 30 MINUTES									
08:28	70.1	25.0	15.6	14.18	5.9	86.3	23.1	9.88	9.76

COMMENTS: END RATA TEST RUN 4 AT INLET

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 4 AT INLET

DATE : 06-22-1999 TIME: 08:29 - 08:38

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
9	INLET	ppmSO2	0.0	1.5
9	INLET	ppmSO2	300.0	294.4
11	INLET	ppmCO	0.0	-0.1
11	INLET	ppmCO	91.5	89.8
7	INLET	% O2	0.00	0.23
7	INLET	% O2	8.99	8.97
10	INLET	% CO2	0.00	0.17
10	INLET	% CO2	8.82	8.87

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
08:45	106.2	0.2	12.6	10.60	8.9	57.0	13.6	10.73	9.38
08:46	125.6	0.1	15.8	10.05	9.5	64.0	18.6	9.46	10.13
08:47	113.8	0.1	15.7	10.22	9.3	62.5	16.7	10.06	9.75
08:48	112.8	0.0	14.1	10.36	9.2	62.0	16.4	10.40	9.31
08:49	106.7	-0.0	15.0	10.57	9.0	64.2	19.4	10.35	9.50
08:50	85.8	-0.2	15.9	11.00	8.6	61.8	20.3	10.98	8.94
08:51	91.1	-0.3	21.9	10.79	8.9	68.6	29.9	10.32	9.60
08:52	111.6	-0.4	23.0	10.39	9.3	70.0	26.7	10.06	9.84
08:53	134.5	-0.3	20.2	9.94	9.7	71.1	22.4	9.76	10.05
08:54	131.4	-0.4	16.6	9.97	9.6	72.0	17.8	9.71	10.06
08:55	108.1	-0.4	14.0	10.71	8.9	68.6	15.1	10.35	9.34
08:56	113.7	-0.5	17.9	10.45	9.2	75.1	22.3	10.06	9.84
08:57	104.7	-0.5	20.0	10.52	9.1	69.5	22.4	10.38	9.58
08:58	111.1	-0.5	25.1	10.05	9.6	75.0	30.2	9.40	10.42
08:59	148.5	-0.6	20.7	9.34	10.3	78.4	19.2	8.70	11.02
09:00	165.3	-0.6	13.5	9.20	10.3	77.8	12.1	8.93	10.71
09:01	145.0	-0.6	10.6	9.66	9.8	79.9	11.3	9.73	10.02
09:02	92.3	-0.8	12.6	10.75	8.8	77.5	15.8	10.93	8.94
09:03	64.3	-0.9	18.6	11.42	8.3	82.0	25.3	11.22	8.96
09:04	121.6	-0.8	24.6	10.08	9.6	89.6	26.1	9.72	10.14
09:05	124.1	-0.8	14.3	10.16	9.4	80.4	13.2	10.20	9.63
09:06	97.8	-0.8	11.1	10.95	8.6	76.6	13.5	10.95	9.07
09:07	105.1	-0.9	15.5	10.68	9.0	86.7	18.8	10.53	9.49
09:08	130.7	-0.9	17.3	9.99	9.6	93.1	19.4	9.87	10.30
09:09	133.7	-0.9	12.5	10.07	9.4	86.2	12.2	10.05	9.76
09:10	103.4	-0.9	11.6	10.79	8.7	83.3	14.3	11.08	8.75
09:11	87.3	-0.9	16.2	11.18	8.4	90.9	23.0	11.15	8.92
09:12	100.3	-1.0	20.5	10.95	8.7	94.1	26.5	10.80	9.29
09:13	131.8	-0.9	21.4	10.27	9.3	95.1	23.8	10.14	9.65
09:14	114.7	-1.0	15.0	10.76	8.8	89.1	18.1	10.28	8.98
AVERAGE VALUES FOR THE LAST 30 MINUTES									
09:14	114.1	-0.5	16.8	10.40	9.2	76.7	19.5	10.33	9.65
09:15	106.4	-1.1	18.4	11.00	8.6	94.1	27.2	10.81	9.23
09:16	156.2	-1.0	24.6	9.87	9.7	92.2	26.2	9.83	9.93
09:17	146.2	-1.1	16.9	10.16	9.3	79.3	17.5	10.48	9.38
09:18	112.9	-1.0	14.8	10.81	8.7	74.9	17.5	11.08	8.89
09:19	73.1	-1.1	16.4	11.57	8.0	73.0	22.3	11.79	8.30
09:20	90.8	-1.2	27.8	11.06	8.6	85.7	37.8	10.81	9.22
09:21	81.0	-1.3	26.0	11.17	8.4	73.2	29.8	11.23	8.78
09:22	103.3	-1.2	28.3	10.67	9.0	81.8	35.5	10.63	9.47
09:23	109.4	-1.2	25.7	10.45	9.2	71.7	30.2	10.33	9.08
09:24	112.5	-1.3	25.2	10.29	9.3	74.5	33.1	10.17	9.39
09:25	112.7	-1.4	22.8	10.51	9.1	66.0	26.0	10.37	9.44
09:26	97.4	-1.4	23.3	10.54	9.1	64.4	30.8	10.43	9.58
09:27	112.4	-1.4	24.9	10.00	9.7	67.2	28.0	9.86	10.25
09:28	150.2	-1.3	20.4	9.08	10.5	71.3	21.3	8.85	10.72
09:29	134.5	-1.4	16.3	9.48	10.1	65.9	17.6	9.39	10.43
09:30	128.7	-1.3	17.7	9.41	10.2	70.3	19.0	9.33	10.84
09:31	128.3	-1.3	16.0	9.56	10.0	66.4	15.0	9.42	10.61
09:32	120.4	-1.4	15.6	9.77	9.8	63.5	16.6	9.68	10.47
09:33	85.6	-1.5	21.2	9.95	9.7	65.1	25.1	9.81	10.49
09:34	88.7	-1.4	22.4	9.46	10.1	69.9	21.5	9.33	10.86
09:35	127.6	-1.4	17.0	9.01	10.5	71.1	16.5	8.84	11.06

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
09:36	155.2	-1.4	13.3	8.96	10.5	64.7	13.5	8.73	10.84
09:37	162.5	-1.3	11.5	9.27	10.2	58.3	12.8	9.23	10.33
09:38	127.7	-1.5	12.3	10.10	9.4	52.8	14.8	10.32	9.52
09:39	94.6	-1.4	13.3	10.72	8.9	52.0	18.4	10.85	9.20
09:40	108.6	-1.4	21.9	10.15	9.5	61.1	29.8	9.80	10.15
09:41	128.5	-1.4	21.4	9.75	9.8	59.7	22.8	9.62	10.16
09:42	124.7	-1.4	15.9	10.17	9.4	56.7	17.3	10.01	9.91
09:43	128.3	-1.5	17.6	10.08	9.6	62.6	22.4	9.67	10.24
09:44	130.9	-1.4	18.4	9.83	9.8	59.4	17.6	9.58	10.25
AVERAGE VALUES FOR THE LAST 30 MINUTES									
09:44	118.0	-1.3	19.6	10.09	9.5	69.0	22.9	9.97	9.90
AVERAGE VALUES FOR THE LAST HOUR: 60 MINUTES OF VALID DATA									
09:44	116.0	-0.9	18.2	10.25	9.3	72.8	21.2	10.10	9.77

COMMENTS: END STACK RATA RUN 11
END INLET RATA RUN 5
END COMPLIANCE RUN 2

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK

DATE : 06-22-1999 TIME: 09:45 - 10:01

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	221.4
5	STACK	ppmSO2	0.0	-0.1
5	STACK	ppmSO2	45.1	43.3
6	STACK	ppmCO	0.0	0.0
6	STACK	ppmCO	91.5	91.5
1	STACK	% O2	0.00	0.10
1	STACK	% O2	8.99	8.94
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	2.0
9	INLET	ppmSO2	300.0	288.1
11	INLET	ppmCO	0.0	0.1
11	INLET	ppmCO	91.5	90.4
7	INLET	% O2	0.00	0.27
7	INLET	% O2	8.99	9.04
10	INLET	% CO2	0.00	0.17
10	INLET	% CO2	8.82	8.86

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
10:05	126.5	1.5	38.8	9.94	9.4	133.2	43.9	10.20	9.53
10:06	118.6	1.6	23.8	10.32	9.0	113.2	22.8	10.90	8.83
10:07	89.5	1.4	23.8	11.20	8.1	104.1	29.8	11.91	7.86
10:08	83.0	1.4	37.3	11.46	8.0	105.7	51.5	11.96	8.05
10:09	115.1	1.4	44.2	10.48	8.9	119.8	51.0	11.03	8.79
10:10	99.8	1.4	33.5	11.15	8.2	99.8	39.8	11.88	8.04
10:11	105.4	1.2	43.7	11.02	8.5	101.8	54.0	11.56	8.46
10:12	106.9	1.2	47.3	10.97	8.5	89.4	58.4	11.66	8.35
10:13	116.1	1.1	47.7	10.67	8.8	85.6	58.4	11.41	8.57
10:14	107.4	1.1	40.4	10.91	8.6	76.6	48.2	11.65	8.38
10:15	110.2	0.9	43.5	10.81	8.7	70.5	56.6	11.47	8.62
10:16	126.8	0.9	45.0	10.27	9.2	71.0	54.3	10.77	9.14
10:17	127.7	0.8	40.5	10.21	9.2	68.9	47.7	10.83	9.03
10:18	123.1	0.9	37.0	10.09	9.4	69.8	43.0	10.43	9.43
10:19	117.4	0.8	31.2	9.69	9.7	75.1	35.1	9.90	9.93
10:20	154.6	0.8	24.0	8.80	10.5	85.7	23.0	8.63	10.85
10:21	180.7	0.9	18.6	8.42	10.8	88.6	17.9	8.38	10.94
10:22	193.9	0.9	14.1	8.39	10.7	83.0	13.0	8.45	10.79
10:23	179.5	0.9	12.9	8.87	10.3	73.5	12.0	9.08	10.25
10:24	153.1	0.9	12.3	9.41	9.7	65.4	11.5	9.63	9.76
10:25	106.1	0.9	13.2	10.39	8.8	58.1	13.6	10.73	8.91
10:26	67.8	0.8	16.8	11.17	8.1	53.4	20.4	11.67	8.10
10:27	51.6	0.7	21.9	11.82	7.7	51.4	28.6	12.24	7.66
10:28	70.9	0.6	30.0	11.45	8.0	60.3	37.0	11.60	8.29
10:29	93.7	0.6	29.5	10.88	8.6	58.9	31.2	11.05	8.80
10:30	110.1	0.6	27.2	10.47	9.0	55.0	28.0	10.62	9.19
10:31	119.2	0.6	21.4	10.19	9.3	53.8	22.6	10.21	9.59
10:32	151.7	0.7	18.1	9.51	9.9	56.9	18.1	9.56	10.11
10:33	161.1	0.9	15.0	9.31	10.1	59.0	15.8	9.52	10.13
10:34	164.1	1.1	15.3	9.31	10.1	58.8	17.8	9.65	10.09
AVERAGE VALUES FOR THE LAST 30 MINUTES									
10:34	121.3	1.0	28.9	10.25	9.1	78.2	33.5	10.62	9.15
10:35	179.6	1.1	13.0	9.05	10.3	55.8	13.2	9.43	10.21
10:36	159.5	1.2	10.8	9.52	9.9	50.6	12.1	10.15	9.61
10:37	101.8	1.2	11.2	10.60	8.8	45.3	14.2	11.25	8.64
10:38	60.7	1.1	15.1	11.44	8.1	45.4	21.4	11.83	8.22
10:39	65.8	0.9	26.3	11.11	8.5	49.4	36.3	11.26	8.80
10:40	68.0	0.9	32.1	10.56	9.0	47.2	39.2	10.68	9.27
10:41	84.6	0.8	26.3	10.32	9.2	47.3	31.1	10.38	9.51
10:42	128.9	0.7	21.5	9.74	9.8	48.7	23.5	10.03	9.82
10:43	137.6	0.7	19.6	9.67	9.8	50.8	22.3	9.95	9.89
10:44	142.7	0.6	19.7	9.48	10.0	52.3	22.2	9.33	10.33
10:45	145.1	0.7	19.6	9.25	10.2	53.6	21.9	8.92	10.77
10:46	165.5	0.5	15.4	8.48	10.9	55.6	15.1	8.10	11.39
10:47	176.4	0.5	12.0	8.27	11.0	54.3	11.9	8.29	11.17
10:48	152.6	0.5	10.9	9.06	10.2	51.5	11.1	8.75	10.33
10:49	110.2	0.4	12.0	10.03	9.3	46.0	13.7	9.94	9.69
10:50	70.6	0.3	12.1	10.79	8.6	43.1	14.2	10.75	9.03
10:51	55.9	0.3	14.2	11.24	8.2	42.8	17.6	11.24	8.64
10:52	57.9	0.3	17.1	11.45	8.1	45.1	20.3	11.20	8.77
10:53	111.6	0.2	18.8	10.34	9.2	50.5	19.5	9.86	9.86
10:54	124.7	0.3	14.3	10.18	9.3	45.3	13.7	10.01	9.66
10:55	85.5	0.3	11.1	11.29	8.2	37.7	11.4	11.34	8.59

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
10:56	102.5	0.2	16.7	10.82	8.8	46.1	19.3	9.91	10.04
10:57	170.9	0.3	20.4	9.12	10.4	55.9	18.7	8.27	11.20
10:58	170.6	0.3	12.4	9.46	9.9	46.3	11.8	9.26	10.29
10:59	116.7	0.3	9.4	10.83	8.6	37.6	10.5	10.92	8.95
11:00	67.3	0.2	10.3	11.69	7.9	33.2	12.2	11.71	8.33
11:01	63.9	0.2	15.5	11.63	8.0	36.6	19.1	11.29	8.78
11:02	81.5	0.1	18.1	11.35	8.2	35.7	19.8	10.97	9.04
11:03	89.4	0.2	17.4	11.36	8.2	36.3	17.1	10.91	9.12
11:04	107.9	0.1	17.7	10.85	8.8	37.9	18.2	10.21	9.68
AVERAGE VALUES FOR THE LAST 30 MINUTES									
11:04	111.9	0.5	16.4	10.30	9.2	46.1	18.4	10.21	9.59
AVERAGE VALUES FOR THE LAST HOUR: 60 MINUTES OF VALID DATA									
11:04	116.6	0.8	22.6	10.28	9.2	62.2	26.0	10.41	9.37

COMMENTS: END STACK RATA RUN 12
END INLET RATA RUN 6
END COMPLIANCE RUN 3

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK

DATE : 06-22-1999 TIME: 11:05 - 11:18

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	219.7
5	STACK	ppmSO2	0.0	-0.4
5	STACK	ppmSO2	45.1	43.8
6	STACK	ppmCO	0.0	0.0
6	STACK	ppmCO	91.5	91.1
1	STACK	% O2	0.00	0.07
1	STACK	% O2	8.99	8.92
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	1.5
9	INLET	ppmSO2	300.0	292.0
11	INLET	ppmCO	0.0	0.6
11	INLET	ppmCO	91.5	90.3
7	INLET	% O2	0.00	0.21
7	INLET	% O2	8.99	8.98
10	INLET	% CO2	0.00	0.22
10	INLET	% CO2	8.82	8.87

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
11:21	11.5	3.2	60.6	5.06	0.1	56.2	13.1	10.06	9.72
11:22	12.4	5.3	42.3	11.11	0.4	64.4	13.2	10.27	9.50
11:23	11.9	6.2	32.2	13.44	0.7	69.9	18.2	10.91	9.00
11:24	11.6	7.1	23.8	14.98	0.8	74.6	25.4	10.43	9.53
11:25	12.7	7.9	19.1	16.23	0.8	82.2	28.3	8.60	11.02
11:26	15.9	8.9	15.6	16.94	0.9	65.8	17.4	9.89	9.80
11:27	14.4	9.7	12.8	17.36	0.9	64.0	16.0	10.37	9.20
11:28	13.5	10.2	11.6	17.71	1.0	71.6	22.1	10.95	8.92
11:29	11.7	10.5	11.4	17.92	0.9	76.7	30.3	10.85	9.11
11:30	12.3	11.0	10.9	18.06	0.9	78.4	31.5	10.62	9.31
11:31	11.5	11.4	10.7	18.18	0.9	75.3	31.7	10.59	9.36
11:32	10.9	11.7	10.3	18.25	0.9	75.8	28.4	10.21	9.75
11:33	10.5	11.9	10.0	18.30	0.9	72.7	27.5	10.33	9.52
11:34	10.4	12.0	9.6	18.32	1.0	69.2	24.7	10.23	9.78
11:35	11.8	12.1	9.2	18.35	1.0	70.9	20.8	9.76	10.08
11:36	15.0	12.2	8.8	18.35	1.0	77.9	21.8	8.81	10.90
11:37	19.2	12.2	7.8	18.35	1.0	81.3	19.4	8.77	10.88
11:38	21.9	12.3	6.3	18.38	1.1	89.1	13.5	7.86	11.83
11:39	27.3	12.4	5.0	18.45	1.2	111.7	12.0	6.71	12.81
11:40	32.0	12.8	4.4	18.46	1.2	128.7	13.5	6.57	12.73
11:41	32.2	13.2	4.1	18.46	1.3	115.0	12.5	7.97	11.44
11:42	29.3	13.7	3.9	18.48	1.4	101.5	13.9	9.09	10.48
11:43	26.2	13.9	3.8	18.54	1.4	89.4	13.3	10.34	9.41
11:44	21.5	13.9	3.7	18.58	1.4	79.0	16.5	11.30	8.66
11:45	16.8	13.7	3.7	18.65	1.3	74.0	19.9	11.85	8.11
11:46	13.7	13.5	3.9	18.74	1.3	73.1	25.2	12.20	7.98
11:47	12.7	13.3	4.3	18.80	1.2	81.4	28.4	10.97	9.09
11:48	16.1	13.2	4.5	18.85	1.2	86.5	25.8	9.30	10.50
11:49	19.9	13.2	4.4	18.86	1.2	79.7	15.7	9.47	10.23
11:50	20.0	13.3	3.9	18.81	1.2	70.3	14.3	10.71	9.19
AVERAGE VALUES FOR THE LAST 30 MINUTES									
11:50	16.9	11.2	12.1	17.30	1.0	80.2	20.5	9.88	9.93
11:51	17.1	13.2	3.8	18.80	1.2	67.7	19.3	10.92	9.17

COMMENTS: END INLET RATA RUN 7

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK

DATE : 06-22-1999 TIME: 11:51 - 12:01

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
9	INLET	ppmSO2	0.0	1.0
9	INLET	ppmSO2	300.0	292.8
11	INLET	ppmCO	0.0	0.4
11	INLET	ppmCO	91.5	90.4
7	INLET	% O2	0.00	0.20
7	INLET	% O2	8.99	9.01
10	INLET	% CO2	0.00	0.21
10	INLET	% CO2	8.82	8.89

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
12:04	0.3	17.3	4.6	17.57	0.6	62.7	15.9	11.17	8.69
12:05	0.3	17.1	5.2	17.02	0.9	60.5	24.7	11.57	8.38
12:06	0.3	16.3	6.3	16.75	1.4	60.0	32.6	10.93	9.06
12:07	0.2	16.2	7.7	16.47	1.7	62.5	33.7	9.92	9.94
12:08	0.2	16.6	9.4	16.07	2.0	66.9	22.2	9.39	10.40
12:09	0.2	17.0	10.5	15.70	2.4	63.9	19.1	9.02	10.60
12:10	0.3	17.4	11.3	15.39	2.7	59.3	20.0	8.85	10.72
12:11	0.3	17.9	11.7	15.06	3.1	58.5	20.7	8.62	11.10
12:12	0.3	18.2	12.0	14.71	3.5	59.2	15.3	8.21	11.39
12:13	0.2	18.7	12.2	14.37	3.9	56.5	12.8	8.59	10.97
12:14	0.2	18.9	12.3	14.00	4.3	52.2	13.7	9.21	10.43
12:15	0.2	19.4	12.5	13.67	4.7	48.0	16.8	9.77	9.98
12:16	0.2	19.6	12.6	13.37	5.1	45.3	19.1	10.64	9.23
12:17	0.1	19.8	12.9	13.10	5.4	41.9	27.3	11.32	8.72
12:18	0.3	19.8	13.6	12.88	5.7	46.0	37.0	10.69	9.29
12:19	0.2	19.8	14.9	12.74	5.9	45.0	28.4	10.39	9.58
12:20	0.2	19.8	15.7	12.64	6.1	45.7	23.0	10.00	9.88
12:21	0.2	19.8	16.5	12.52	6.2	41.9	29.1	10.10	9.79
12:22	0.2	19.9	17.4	12.42	6.4	39.0	31.6	10.13	9.85
12:23	0.2	19.8	18.0	12.29	6.5	40.9	28.3	9.69	10.22
12:24	0.3	19.8	18.4	12.16	6.6	42.6	22.4	9.78	10.08
12:25	0.2	19.8	18.9	12.03	6.8	43.3	23.5	9.68	10.25
12:26	0.3	19.9	19.3	11.89	6.9	48.2	22.5	9.34	10.51
12:27	0.3	19.8	19.4	11.79	7.1	54.7	24.4	9.07	10.67
12:28	0.2	19.9	19.5	11.67	7.2	57.3	21.9	8.90	10.88
12:29	0.2	20.1	19.6	11.53	7.3	65.8	19.4	7.31	11.69
12:30	0.3	20.5	19.6	11.40	7.4	62.6	17.5	8.50	11.07
12:31	0.2	20.9	19.6	11.26	7.5	58.1	14.0	9.62	10.32
12:32	0.2	21.6	19.2	11.08	7.7	54.2	16.7	10.23	9.58
12:33	0.3	22.1	19.0	10.95	7.8	56.8	19.1	10.41	9.41
AVERAGE VALUES FOR THE LAST 30 MINUTES									
12:33	0.2	19.1	14.3	13.48	5.0	53.3	22.4	9.73	10.09

COMMENTS: END INLET RATA RUN 8

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK

DATE : 06-22-1999 TIME: 12:34 - 12:46

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
9	INLET	ppmSO2	0.0	0.2
9	INLET	ppmSO2	300.0	291.7
11	INLET	ppmCO	0.0	-0.1
11	INLET	ppmCO	91.5	90.9
7	INLET	% O2	0.00	0.23
7	INLET	% O2	8.99	8.95
10	INLET	% CO2	0.00	0.20
10	INLET	% CO2	8.82	8.90

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
12:48	0.2	42.6	18.1	7.17	5.5	66.0	7.1	8.49	10.85
12:49	0.2	52.9	16.7	7.05	5.3	59.4	7.9	8.23	10.30
12:50	0.3	55.7	16.2	6.99	5.5	53.2	7.0	10.14	9.50
12:51	0.2	53.3	15.8	7.14	5.7	49.7	9.0	11.11	8.68
12:52	0.3	48.9	15.5	7.36	6.0	51.0	13.2	11.70	8.28
12:53	0.2	45.5	15.3	7.55	6.3	55.1	18.0	10.82	9.10
12:54	0.3	43.0	15.2	7.77	6.5	54.0	17.1	10.40	9.55
12:55	0.3	41.3	15.2	8.00	6.6	53.0	16.3	9.93	9.91
12:56	0.2	40.0	15.4	8.21	6.6	51.2	17.2	9.71	10.14
12:57	0.3	39.0	15.5	8.40	6.7	50.9	11.4	9.26	10.44
12:58	0.2	38.3	15.2	8.53	6.8	52.0	13.2	9.07	10.70
12:59	0.2	37.7	15.3	8.63	7.0	50.3	14.2	8.89	10.62
13:00	0.2	37.0	15.0	8.69	7.1	46.3	9.8	9.58	10.01
13:01	0.2	36.5	14.8	8.73	7.2	40.9	11.3	10.55	9.23
13:02	0.2	36.0	14.5	8.77	7.4	41.0	10.6	10.93	8.95
13:03	0.2	35.3	14.2	8.84	7.5	45.0	11.8	10.50	9.34
13:04	0.2	34.6	13.9	8.94	7.6	48.2	10.6	10.15	9.67
13:05	0.2	34.0	13.7	9.06	7.7	51.4	10.3	9.60	10.08
13:06	0.3	33.4	13.5	9.18	7.7	44.0	8.3	10.28	9.47
13:07	0.2	33.2	13.1	9.29	7.7	43.0	9.4	10.81	9.05
13:08	0.2	33.0	12.9	9.35	7.8	43.3	12.6	11.26	8.75
13:09	0.2	32.7	12.9	9.42	7.8	44.8	17.7	10.26	9.61
13:10	0.1	32.4	12.9	9.50	7.9	46.3	14.2	9.57	10.24
13:11	0.2	32.2	12.9	9.59	7.9	48.3	13.2	8.99	10.68
13:12	0.2	31.9	13.1	9.66	7.9	49.7	10.7	8.74	10.73
13:13	0.3	31.7	13.0	9.72	8.0	44.5	9.2	9.57	10.06
13:14	0.3	31.7	12.8	9.71	8.0	39.1	9.9	10.51	9.23
13:15	0.2	31.5	12.6	9.68	8.1	38.9	13.6	10.85	9.09
13:16	0.3	31.4	12.5	9.68	8.2	43.7	17.8	10.31	9.56
13:17	0.3	31.2	12.7	9.71	8.3	45.3	19.7	9.55	10.21
AVERAGE VALUES FOR THE LAST 30 MINUTES									
13:17	0.2	37.9	14.3	8.68	7.2	48.3	12.4	10.03	9.73
13:18	0.3	30.9	13.0	9.79	8.3	45.6	17.8	9.68	10.06

COMMENTS: END INLET RATA RUN 9

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 9

DATE : 06-22-1999 TIME: 13:18 - 13:27

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
9	INLET	ppmSO2	0.0	2.0
9	INLET	ppmSO2	300.0	291.9
11	INLET	ppmCO	0.0	0.5
11	INLET	ppmCO	91.5	91.6
7	INLET	% O2	0.00	0.25
7	INLET	% O2	8.99	9.03
10	INLET	% CO2	0.00	0.20
10	INLET	% CO2	8.82	8.89

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
13:30	0.2	32.6	12.2	10.20	8.4	68.6	10.9	9.18	10.40
13:31	0.3	36.7	11.9	9.96	8.2	66.4	9.8	9.74	9.92
13:32	0.3	38.0	11.7	9.97	8.2	64.3	10.5	10.73	9.12
13:33	0.3	41.4	11.7	9.77	8.3	66.9	19.6	11.01	8.96
13:34	0.3	42.1	12.2	9.77	8.1	73.7	24.4	10.13	9.73
13:35	0.3	41.2	12.6	9.87	8.3	71.4	18.2	9.90	9.92
13:36	0.3	40.9	13.0	9.95	8.3	65.6	22.8	10.34	9.50
13:37	0.3	40.9	13.8	10.01	8.3	56.4	26.6	10.88	9.11
13:38	0.3	41.1	14.5	10.05	8.3	52.8	25.1	10.77	9.24
13:39	0.3	41.2	15.0	10.09	8.3	49.6	21.9	10.53	9.37
13:40	0.2	41.2	15.5	10.13	8.3	50.1	20.5	10.19	9.78
13:41	0.3	40.8	16.0	10.16	8.4	53.3	17.2	9.42	10.30
13:42	0.3	40.0	15.9	10.23	8.4	56.5	16.3	8.90	10.71
13:43	0.2	39.4	16.0	10.25	8.4	56.4	14.7	8.90	10.66
13:44	0.2	39.0	15.8	10.24	8.4	59.1	12.8	8.42	11.09
13:45	0.2	38.7	15.5	10.19	8.4	57.9	11.2	8.54	10.93
13:46	0.2	38.7	15.3	10.13	8.5	59.9	9.1	8.10	11.37
13:47	0.2	38.9	14.9	10.04	8.6	59.1	8.4	8.72	10.70
13:48	0.3	38.9	14.5	9.97	8.7	55.1	9.2	9.53	10.03
13:49	0.2	39.1	14.1	9.88	8.8	50.7	9.1	10.29	9.42
13:50	0.3	39.3	13.7	9.83	8.9	46.8	9.7	11.03	8.77
13:51	0.4	39.3	13.4	9.82	9.0	54.4	12.4	10.51	9.35
13:52	0.3	39.1	13.3	9.85	9.0	56.0	11.5	10.28	9.48
13:53	0.3	38.7	13.2	9.93	9.0	56.0	12.0	10.34	9.54
13:54	-1.9	38.6	10.6	9.99	8.9	59.8	15.8	9.04	10.58
13:55	0.5	38.5	0.6	10.06	8.9	51.8	9.5	9.31	10.27
13:56	0.5	38.3	0.4	10.09	8.9	47.0	8.4	10.44	9.34
13:57	0.5	38.2	0.4	10.14	8.9	51.6	12.0	10.26	9.60
13:58	0.5	37.9	0.3	10.18	8.8	60.9	12.9	9.15	10.49
13:59	0.5	37.7	0.3	10.22	8.8	59.9	9.1	9.81	9.90
AVERAGE VALUES FOR THE LAST 30 MINUTES									
13:59	0.2	39.2	11.6	10.03	8.6	57.9	14.4	9.81	9.92

COMMENTS: END INLET RATA RUN 10

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 10

DATE : 06-22-1999 TIME: 14:00 - 14:08

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
9	INLET	ppmSO2	0.0	0.5
9	INLET	ppmSO2	300.0	290.1
11	INLET	ppmCO	0.0	0.7
11	INLET	ppmCO	91.5	90.2
7	INLET	% O2	0.00	0.24
7	INLET	% O2	8.99	8.99
10	INLET	% CO2	0.00	0.19
10	INLET	% CO2	8.82	8.88

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
14:10	0.5	32.0	0.2	10.43	8.4	61.6	12.8	9.31	10.32
14:11	0.5	31.5	0.2	10.46	8.4	49.1	9.9	10.16	9.54
14:12	0.5	30.8	0.2	10.53	8.4	48.4	12.6	10.61	9.27
14:13	0.5	30.0	0.2	10.70	8.4	50.8	13.7	10.61	9.21
14:14	0.5	29.5	0.2	10.98	8.3	56.5	17.7	10.45	9.50
14:15	0.5	28.8	0.2	11.42	8.3	53.5	14.6	9.62	10.14
14:16	0.5	28.3	0.2	12.07	8.3	48.1	9.5	9.96	9.78
14:17	0.5	27.6	0.2	12.82	8.3	45.4	10.5	10.76	9.13
14:18	0.5	27.1	0.2	13.67	8.3	49.3	14.8	10.35	9.61
14:19	0.5	26.5	0.2	14.56	8.2	46.8	13.3	9.62	10.21
14:20	0.5	26.0	0.2	15.45	8.1	46.3	10.0	8.86	10.81
14:21	0.5	25.4	0.2	16.21	7.9	38.0	7.8	9.88	9.84
14:22	0.5	24.9	0.2	16.88	7.5	37.2	9.5	10.30	9.65
14:23	0.5	24.5	0.2	17.35	7.1	36.6	11.7	10.05	9.85
14:24	0.5	24.2	0.1	17.73	6.6	34.8	12.6	10.42	9.55
14:25	0.5	23.8	0.2	18.11	6.0	38.2	15.7	9.28	10.54
14:26	0.5	23.4	0.2	18.48	5.2	37.4	12.5	9.61	10.17
14:27	0.5	22.9	0.2	18.79	4.5	37.3	9.8	10.52	9.35
14:28	0.5	22.5	0.1	19.06	3.7	36.7	15.7	10.80	9.24
14:29	0.5	22.1	0.1	19.26	3.0	37.7	18.5	10.09	9.88
14:30	0.5	21.9	0.2	19.38	2.6	39.2	18.2	9.45	10.41
14:31	0.5	21.6	0.1	19.49	2.3	38.0	12.5	9.56	10.21
14:32	0.5	21.2	0.1	19.58	2.0	32.3	10.4	10.16	9.69
14:33	0.5	20.9	0.1	19.68	1.8	23.1	11.8	10.95	8.94
14:34	0.5	20.6	0.1	19.73	1.6	29.3	16.2	11.03	9.03
14:35	0.5	20.4	0.1	19.78	1.4	31.5	23.2	10.14	9.72
14:36	0.5	20.2	0.2	19.82	1.3	29.4	16.3	10.15	9.74
14:37	0.5	19.9	0.1	19.83	1.2	28.0	13.7	10.53	9.30
14:38	0.5	19.8	0.1	19.83	1.1	26.9	11.4	11.07	8.99
14:39	0.5	19.7	0.1	19.84	1.0	30.6	16.8	10.13	9.77
AVERAGE VALUES FOR THE LAST 30 MINUTES									
14:39	0.5	24.6	0.2	16.40	5.3	40.1	13.5	10.15	9.71

COMMENTS: END RATA TEST RUN 11

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER INLET RUN 11

DATE : 06-22-1999 TIME: 14:40 - 14:49

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
9	INLET	ppmSO2	0.0	0.1
9	INLET	ppmSO2	300.0	291.2
11	INLET	ppmCO	0.0	0.1
11	INLET	ppmCO	91.5	90.3
7	INLET	% O2	0.00	0.20
7	INLET	% O2	8.99	9.03
10	INLET	% CO2	0.00	0.17
10	INLET	% CO2	8.82	8.90

OMS LEE - FT. MYERS - UNIT 1 06-22-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
14:52	0.5	17.5	0.1	20.06	0.5	27.2	10.9	11.00	8.74
14:53	0.5	17.3	0.1	20.08	0.5	26.7	14.5	11.05	8.86
14:54	0.5	17.2	0.1	20.09	0.4	33.9	17.0	9.14	10.59
14:55	0.5	17.0	0.1	20.09	0.4	37.3	14.2	9.29	10.21
14:56	0.5	16.8	0.2	20.10	0.4	26.5	9.8	10.01	9.65
14:57	0.5	16.6	0.1	20.10	0.4	24.0	8.7	10.43	9.31
14:58	0.5	16.4	0.1	20.10	0.4	26.9	12.7	9.85	9.85
14:59	0.5	16.3	0.1	20.11	0.4	26.1	11.7	10.23	9.49
15:00	0.5	16.1	0.1	20.12	0.3	24.6	9.0	10.47	9.30
15:01	0.5	16.0	0.1	20.12	0.3	28.8	13.1	9.82	9.95
15:02	0.5	15.8	0.1	20.12	0.3	37.1	11.1	9.18	10.41
15:03	0.5	15.7	0.1	20.13	0.3	36.2	7.8	9.64	9.90
15:04	0.5	15.4	0.1	20.12	0.3	31.9	7.1	10.86	8.87
15:05	0.5	15.1	0.1	20.13	0.3	31.2	10.7	11.56	8.30
15:06	0.5	15.0	0.1	20.13	0.3	36.7	17.7	10.21	9.74
15:07	2.3	14.9	15.1*	20.15	0.3	45.0	13.3	8.85	10.75
15:08	3.3	18.7	2.0	16.68	0.8	55.1	18.4	9.00	10.65
15:09	3.0	15.9	4.1	16.35	4.6	61.1	7.1	9.35	10.02
15:10	2.9	13.0	3.1	18.15	2.3	54.0	8.2	11.16	9.28
15:11	2.9	12.5	3.0	18.49	1.6	53.3	13.7	10.08	9.65
15:12	2.7	12.3	2.7	18.63	1.6	60.4	13.5	9.48	10.40
15:13	2.5	12.3	2.5	18.84	1.4	60.1	12.8	9.28	10.34
15:14	2.5	12.5	2.2	18.92	1.3	53.5	10.6	9.72	9.96
15:15	2.2	12.8	2.0	18.96	1.2	57.5	12.1	10.56	9.35
15:16	2.0	12.8	2.2	19.02	1.2	57.1	17.0	9.79	10.10
15:17	1.9	12.8	2.4	19.08	1.1	64.3	14.8	9.13	10.52
15:18	1.8	12.9	2.2	19.08	1.1	50.5	10.7	9.82	9.81
15:19	1.6	12.9	1.9	19.05	1.1	46.3	13.0	9.96	9.96
15:20	2.5	13.0	2.2	19.08	1.1	52.9	14.9	8.90	10.66
15:21	18.5	12.8	2.2	19.08	1.0	43.8	11.3	9.85	9.84
AVERAGE VALUES FOR THE LAST 30 MINUTES									
15:21	2.0	14.3	1.7	19.37	0.9	42.3	12.2	9.89	9.82
15:22	15.9	12.8	2.1	19.03	1.1	43.5	11.4	10.18	9.27
15:23	14.6	12.7	2.3	19.00	1.1	48.2	13.8	10.62	9.54

RATA Run 12

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: SYSTEM BIAS CHECK AFTER RUN 12

DATE : 06-22-1999 TIME: 15:25 - 15:36

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
9	INLET	ppmSO2	0.0	0.1
9	INLET	ppmSO2	300.0	293.8
11	INLET	ppmCO	0.0	0.0
11	INLET	ppmCO	91.5	92.5
7	INLET	% O2	0.00	0.23
7	INLET	% O2	8.99	8.95
10	INLET	% CO2	0.00	0.18
10	INLET	% CO2	8.82	8.92

APPENDIX C

REFERENCE METHOD UNCORRECTED TEST DATA

2.0 UNIT NO. 2

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: INITIAL DIRECT CALIBRATION ERROR

DATE : 06-23-1999 TIME: 07:04 - 07:37

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.3
4	STACK	ppmNOx	228.0	229.5
4	STACK	ppmNOx	456.0	456.1
5	STACK	ppmSO2	0.0	-0.0
5	STACK	ppmSO2	45.1	44.7
5	STACK	ppmSO2	91.1	90.9
6	STACK	ppmCO	0.0	0.2
6	STACK	ppmCO	30.0	30.5
6	STACK	ppmCO	60.0	59.8
6	STACK	ppmCO	91.5	91.5
1	STACK	% O2	0.00	0.12
1	STACK	% O2	8.99	9.03
1	STACK	% O2	19.94	19.97
2	STACK	% CO2	0.0	0.0
2	STACK	% CO2	9.1	9.1
2	STACK	% CO2	17.6	17.6
9	INLET	ppmSO2	0.0	0.5
9	INLET	ppmSO2	300.0	299.9
9	INLET	ppmSO2	450.0	449.8
11	INLET	ppmCO	0.0	0.6
11	INLET	ppmCO	30.0	30.6
11	INLET	ppmCO	60.0	60.7
11	INLET	ppmCO	91.5	91.7
7	INLET	% O2	0.00	0.25
7	INLET	% O2	8.99	9.15
7	INLET	% O2	19.94	19.98
10	INLET	% CO2	0.00	0.05
10	INLET	% CO2	8.82	8.93
10	INLET	% CO2	17.64	17.64

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: INITIAL SYSTEM BIAS

DATE : 06-23-1999 TIME: 08:31 - 08:46

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.3
4	STACK	ppmNOx	228.0	222.8
5	STACK	ppmSO2	0.0	0.3
5	STACK	ppmSO2	45.1	44.0
6	STACK	ppmCO	0.0	0.1
6	STACK	ppmCO	91.5	90.5
1	STACK	% O2	0.00	0.18
1	STACK	% O2	8.99	8.96
2	STACK	% CO2	0.0	0.0
2	STACK	% CO2	9.1	9.0
9	INLET	ppmSO2	0.0	0.5
9	INLET	ppmSO2	300.0	285.6
11	INLET	ppmCO	0.0	-0.1
11	INLET	ppmCO	91.5	91.0
7	INLET	% O2	0.00	0.28
7	INLET	% O2	8.99	9.01
10	INLET	% CO2	0.00	0.07
10	INLET	% CO2	8.82	8.70

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
08:53	195.0	12.3	17.6	9.14	10.4	78.7	17.4	8.77	10.72
08:54	199.2	13.1	13.5	9.17	10.4	78.6	13.5	8.81	10.60
08:55	182.5	13.7	12.4	9.49	10.1	82.2	13.1	9.15	10.36
08:56	160.4	14.4	12.3	9.81	9.8	81.2	12.5	9.42	10.11
08:57	110.0	13.5	12.2	10.65	9.0	73.7	12.9	10.33	9.37
08:58	71.1	11.2	14.4	11.37	8.3	69.9	14.7	10.92	8.87
08:59	66.5	9.1	17.3	11.59	8.2	71.6	19.4	10.88	9.03
09:00	104.4	9.0	20.9	10.90	8.9	83.2	20.7	10.20	9.61
09:01	137.5	8.9	18.1	10.47	9.3	85.1	18.2	9.74	9.98
09:02	141.2	8.7	15.8	10.49	9.2	76.6	15.2	10.06	9.68
09:03	131.1	8.3	16.9	10.50	9.2	73.9	18.3	10.24	9.56
09:04	128.1	9.0	15.3	10.49	9.3	77.0	16.5	10.03	9.74
09:05	137.5	10.3	16.1	10.45	9.3	76.1	16.2	10.18	9.57
09:06	111.9	11.0	13.6	10.94	8.8	73.3	15.1	10.64	9.31
09:07	124.4	13.5	19.4	10.28	9.5	76.3	23.1	9.81	10.02
09:08	105.5	16.2	25.2	10.01	9.7	73.9	27.3	9.64	9.89
09:09	116.2	17.2	19.7	9.99	9.8	74.3	22.9	9.56	10.02
09:10	145.3	18.4	20.6	9.85	9.9	75.2	25.1	9.41	10.25
09:11	132.2	17.9	16.7	10.27	9.5	67.2	17.7	10.08	9.72
09:12	120.7	15.6	14.3	10.60	9.1	64.2	17.2	10.31	9.53
09:13	113.0	12.6	14.6	10.85	9.0	65.2	17.5	10.46	9.48
09:14	100.8	11.3	15.3	10.88	8.9	64.2	16.7	10.70	9.20
09:15	89.5	10.1	17.5	11.01	8.8	66.6	22.8	10.39	9.45
09:16	110.3	10.2	23.0	10.69	9.2	68.3	25.8	10.15	9.75
09:17	117.1	11.2	22.7	10.38	9.4	64.7	25.4	9.92	9.94
09:18	122.0	11.8	22.0	10.00	9.8	65.9	24.8	9.58	10.24
09:19	129.8	12.6	22.4	9.46	10.3	67.8	24.1	9.17	9.89
09:20	146.3	13.5	17.3	9.20	10.5	73.2	16.6	9.52	10.64
09:21	134.4	13.7	14.7	9.66	10.0	72.8	15.3	9.25	10.42
09:22	111.0	13.5	14.3	10.21	9.5	67.1	15.4	9.90	9.87
AVERAGE VALUES FOR THE LAST 30 MINUTES									
09:22	126.5	12.4	17.2	10.23	9.4	72.9	18.7	9.32	9.83
09:23	72.2	12.2	14.7	11.10	8.6	59.3	15.4	10.33	8.99
09:24	47.7	10.3	16.9	11.92	7.9	52.6	18.4	11.13	8.25
09:25	61.2	8.6	20.6	11.70	8.2	56.9	23.2	11.11	8.95
09:26	96.4	8.6	22.1	11.16	8.7	61.5	23.5	10.72	9.29
09:27	106.6	10.0	23.5	10.72	9.1	59.0	26.7	10.40	9.61
09:28	109.4	10.6	23.4	10.62	9.2	57.7	23.8	10.32	9.69
09:29	130.2	11.6	19.9	10.34	9.5	63.1	22.2	9.81	10.04
09:30	143.3	12.5	21.7	10.08	9.7	66.6	23.6	9.71	10.11
09:31	142.0	14.5	21.7	9.97	9.8	69.1	23.5	9.65	10.18
09:32	159.8	17.2	21.9	9.63	10.1	75.4	24.4	9.14	10.56
09:33	177.8	20.3	18.0	9.41	10.3	79.9	18.0	9.37	10.57
09:34	174.8	25.3	13.3	9.65	10.0	81.3	13.9	9.31	10.29
09:35	148.1	28.5	14.4	10.17	9.5	79.9	16.5	9.99	9.75
09:36	124.6	27.6	14.7	10.61	9.0	84.4	16.5	10.07	9.67
09:37	101.0	27.4	17.1	11.07	8.6	85.3	18.5	10.42	9.35
09:38	72.1	30.9	19.5	11.60	8.1	83.5	20.3	11.01	8.81
09:39	55.7	31.4	23.6	11.88	7.9	86.4	25.6	10.33	8.98
09:40	100.4	34.3	30.9	10.92	8.8	106.3	30.4	10.15	9.55
09:41	91.8	37.4	22.6	11.26	8.4	95.2	22.1	10.32	9.26
09:42	104.0	39.7	24.3	10.87	8.8	100.9	26.8	10.10	9.73
09:43	111.3	41.3	27.4	10.68	9.0	104.1	27.4	9.98	9.70

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
09:44	91.1	36.7	24.2	11.31	8.4	94.1	24.7	10.65	9.22
09:45	100.6	34.1	29.8	11.16	8.5	93.6	30.5	10.61	9.17
09:46	124.1	35.2	33.8	10.56	9.1	118.5	38.5	9.65	10.06
09:47	117.5	38.0	30.1	10.89	8.7	106.2	28.7	10.48	9.21
09:48	100.1	37.7	26.9	11.38	8.3	100.7	29.3	10.65	9.01
09:49	107.1	43.6	32.7	11.25	8.3	98.3	35.6	10.97	8.82
09:50	130.0	44.8	34.1	10.72	9.0	103.7	39.2	9.97	9.83
09:51	119.9	47.4	29.5	11.04	8.5	87.4	29.9	11.09	8.68
09:52	91.2	46.2	32.7	11.81	7.9	85.2	40.9	11.53	8.46
AVERAGE VALUES FOR THE LAST 30 MINUTES									
09:52	110.4	27.5	23.5	10.85	8.9	83.2	25.3	10.37	9.46
AVERAGE VALUES FOR THE LAST HOUR: 60 MINUTES OF VALID DATA									
09:52	118.4	19.9	20.4	10.57	9.1	78.1	22.0	10.14	9.64

COMMENTS: END STACK RATA RUN 1
END INLET RATA RUN 1
END COMPLIANCE RUN 1

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK

DATE : 06-23-1999 TIME: 09:54 - 10:15

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	219.6
5	STACK	ppmSO2	0.0	-0.5
5	STACK	ppmSO2	45.1	44.9
6	STACK	ppmCO	0.0	0.0
6	STACK	ppmCO	91.5	90.3
1	STACK	% O2	0.00	0.12
1	STACK	% O2	8.99	9.02
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.0
9	INLET	ppmSO2	0.0	1.0
9	INLET	ppmSO2	300.0	288.1
11	INLET	ppmCO	0.0	-0.1
11	INLET	ppmCO	91.5	91.9
7	INLET	% O2	0.00	0.24
7	INLET	% O2	8.99	8.97
10	INLET	% CO2	0.00	0.10
10	INLET	% CO2	8.82	8.85

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: CALIBRATION ERROR FOR THC ANALYZER

DATE : 06-23-1999 TIME: 10:19 - 10:33

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
3	STACK	ppmC1	0.0	0.3
3	STACK	ppmC1	15.0	14.5
3	STACK	ppmC1	25.0	23.9
3	STACK	ppmC1	45.3	45.5

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2	CHAN 3 STACK ppmC1
10:36	225.3	8.6	14.4	7.72	11.8	68.9	14.8	7.46	11.73	1.4
10:37	227.0	8.9	11.8	7.91	11.5	79.5	12.7	7.73	11.34	1.2
10:38	201.2	8.8	11.6	8.82	10.7	73.4	13.2	8.50	10.64	1.0
10:39	167.4	8.3	12.8	9.42	10.2	63.8	14.1	9.22	10.10	0.8
10:40	137.7	7.5	12.2	10.04	9.6	54.2	12.8	9.82	9.63	0.6
10:41	91.6	6.2	12.7	10.83	8.8	49.5	14.0	10.62	8.94	0.4
10:42	53.5	5.2	15.6	11.62	8.1	47.4	17.6	11.38	8.26	0.3
10:43	37.9	4.3	17.1	12.16	7.7	43.4	17.8	11.85	7.78	0.1
10:44	51.8	3.5	18.3	12.01	7.9	47.4	20.5	11.18	8.60	0.0
10:45	111.4	3.3	24.2	10.63	9.1	57.2	25.5	9.84	9.74	-0.1
10:46	138.9	3.9	19.0	10.39	9.3	51.6	16.4	10.19	9.31	-0.2
10:47	120.2	4.1	14.9	10.99	8.7	47.0	16.4	10.53	9.13	-0.3
10:48	159.7	4.2	20.4	10.11	9.6	55.7	22.1	9.15	10.23	-0.4
10:49	152.9	4.9	19.0	10.16	9.5	50.6	18.4	9.79	9.63	-0.6
10:50	106.9	4.8	16.0	11.01	8.6	47.8	15.7	10.53	9.01	-0.7
10:51	88.5	4.2	18.5	11.26	8.5	49.5	18.9	10.45	9.21	-0.7
10:52	114.9	4.0	23.6	10.69	9.0	50.0	22.5	10.09	9.45	-0.8
10:53	124.6	4.0	21.5	10.55	9.2	50.1	22.8	9.80	9.71	-0.9
10:54	109.6	3.9	19.8	10.90	8.8	46.6	17.9	10.29	9.30	-1.1
10:55	129.9	3.9	19.6	10.65	9.1	51.5	19.3	9.90	9.60	-1.1
10:56	126.9	3.8	19.3	10.78	8.9	49.0	18.8	10.22	9.37	-1.2
10:57	145.5	3.8	21.3	10.21	9.5	52.8	20.7	9.54	9.92	-1.3
10:58	148.7	4.1	16.0	10.07	9.5	52.2	13.9	9.62	9.76	-1.4
10:59	140.2	4.1	11.4	10.30	9.3	51.6	11.1	9.93	9.53	-1.3
11:00	116.2	4.0	12.0	10.65	9.0	50.4	13.9	10.20	9.32	-1.5
11:01	78.9	3.7	15.2	11.21	8.4	48.5	16.1	10.82	8.74	-1.5
11:02	76.9	3.4	20.3	11.33	8.4	54.0	21.9	10.49	9.22	-1.6
11:03	131.2	3.2	25.3	10.25	9.4	60.0	25.0	9.47	9.98	-1.7
11:04	123.8	3.3	18.0	10.37	9.3	56.0	15.1	9.79	9.71	-1.7
11:05	130.7	3.2	15.5	10.31	9.4	59.2	15.5	9.75	9.77	-1.8
AVERAGE VALUES FOR THE LAST 30 MINUTES										
11:05	125.7	4.8	17.2	10.45	9.2	54.0	17.5	9.94	9.56	-0.5

COMMENTS: END STACK RATA RUN 2
END INLET RATA RUN 2

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK AFTER RUN 2

DATE : 06-23-1999 TIME: 11:05 - 11:18

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.6
4	STACK	ppmNOx	228.0	220.3
5	STACK	ppmSO2	0.0	-0.1
5	STACK	ppmSO2	45.1	44.6
6	STACK	ppmCO	0.0	0.1
6	STACK	ppmCO	91.5	90.0
1	STACK	% O2	0.00	0.10
1	STACK	% O2	8.99	8.99
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	1.7
9	INLET	ppmSO2	300.0	290.9
11	INLET	ppmCO	0.0	0.0
11	INLET	ppmCO	91.5	90.9
7	INLET	% O2	0.00	0.26
7	INLET	% O2	8.99	8.98
10	INLET	% CO2	0.00	0.10
10	INLET	% CO2	8.82	8.57

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2	CHAN 3 STACK ppmCl
11:21	109.2	4.6	22.9	10.57	9.0	68.1	24.8	9.81	9.65	5.6
11:22	114.2	4.9	26.9	10.25	9.4	67.8	29.4	9.53	10.02	5.2
11:23	135.7	5.2	21.5	9.78	9.9	65.5	22.1	9.34	10.15	5.1
11:24	138.8	5.1	17.5	9.81	9.7	61.1	19.1	9.40	9.96	5.0
11:25	96.9	4.7	13.2	10.82	8.7	53.4	13.5	10.55	9.04	4.9
11:26	90.2	4.4	18.0	10.92	8.7	56.4	19.9	10.36	9.21	5.1
11:27	102.2	4.6	20.2	10.91	8.7	53.8	21.2	10.37	9.26	4.4
11:28	129.7	4.9	21.6	10.21	9.4	52.3	23.2	9.56	9.90	4.4
11:29	131.8	4.6	17.2	10.25	9.3	49.2	17.8	9.73	9.75	4.6
11:30	123.8	4.4	20.4	10.39	9.2	47.9	22.3	9.95	9.57	4.5
11:31	129.1	4.2	21.3	10.17	9.5	51.7	23.0	9.65	9.90	4.3
11:32	152.5	4.2	19.5	9.75	9.8	60.8	20.4	9.10	10.29	4.5
11:33	143.6	4.2	15.4	10.23	9.4	65.0	16.5	9.57	9.86	4.7
11:34	111.6	4.1	15.8	10.84	8.7	66.8	18.2	10.25	9.25	4.4
11:35	101.3	4.0	20.1	10.92	8.7	73.5	22.9	10.19	9.35	4.3
11:36	117.2	4.3	24.6	10.63	9.0	80.9	27.5	9.93	9.70	4.2
11:37	95.9	4.3	21.6	11.16	8.5	72.3	21.2	10.56	9.13	4.0
11:38	102.3	4.2	29.6	11.06	8.6	76.1	31.3	10.33	9.35	4.0
11:39	144.0	5.0	30.1	10.05	9.7	90.2	30.9	9.34	10.14	4.0
11:40	157.9	6.0	20.0	9.91	9.7	89.8	21.2	9.33	9.99	4.2
11:41	118.4	6.3	17.0	10.64	8.9	82.7	19.7	10.14	9.34	4.1
11:42	91.9	5.8	21.8	11.06	8.6	82.8	25.1	10.48	9.19	4.0
11:43	100.4	6.5	26.1	10.90	8.8	85.1	28.4	10.29	9.31	4.0
11:44	94.0	6.9	25.2	10.96	8.8	82.7	26.6	10.50	9.26	3.9
11:45	100.8	7.7	29.1	10.53	9.2	83.5	31.2	9.93	9.72	3.7
11:46	108.7	8.4	28.1	10.29	9.4	86.0	29.6	9.64	9.86	4.0
11:47	112.0	8.1	24.8	10.32	9.4	78.8	26.0	9.69	9.69	4.0
11:48	123.9	8.2	22.3	9.98	9.7	81.9	23.8	9.52	9.95	3.9
11:49	141.9	8.6	18.7	9.75	9.9	82.3	20.2	9.35	10.11	4.0
11:50	150.4	9.6	17.8	9.72	9.9	78.2	20.2	9.48	10.01	4.0
AVERAGE VALUES FOR THE LAST 30 MINUTES										
11:50	119.0	5.6	21.6	10.43	9.2	70.9	23.2	9.87	9.66	4.4
11:51	154.4	9.2	15.1	9.84	9.8	78.8	17.0	9.53	9.88	5.0
11:52	135.1	10.4	13.7	10.20	9.4	75.5	15.6	9.95	9.54	5.1
11:53	91.5	10.5	14.4	11.12	8.5	70.2	16.5	10.83	8.77	4.8
11:54	84.0	9.7	19.8	11.32	8.3	72.7	22.0	10.89	8.81	4.8
11:55	101.0	10.4	20.9	10.99	8.7	73.6	22.1	10.49	9.22	4.6
11:56	129.3	12.4	23.2	10.13	9.6	73.9	25.2	9.75	9.84	4.6
11:57	148.0	15.2	18.5	9.68	9.9	83.0	19.9	9.31	10.10	4.6
11:58	133.0	18.0	14.0	10.06	9.5	79.4	16.1	9.82	9.60	4.9
11:59	113.6	16.7	13.6	10.64	9.0	74.2	16.3	10.41	9.13	4.8
12:00	90.7	17.7	16.6	11.15	8.5	73.8	19.8	10.78	8.94	5.0
12:01	104.5	16.4	21.1	10.84	8.9	77.4	24.1	10.42	9.27	4.9
12:02	112.6	17.2	22.3	10.50	9.2	79.6	23.9	10.15	9.49	4.6
12:03	130.1	18.0	19.3	10.12	9.6	78.9	21.3	9.75	9.78	4.5
12:04	132.1	18.0	19.6	9.77	9.9	80.2	22.3	9.56	10.13	4.6
12:05	146.3	18.3	16.6	9.75	9.9	77.9	18.7	9.25	10.24	4.5
12:06	145.9	17.1	13.0	10.09	9.6	79.1	14.3	9.54	9.95	4.7
12:07	111.1	15.6	13.2	10.83	8.9	73.7	14.5	10.41	9.24	4.6
12:08	118.7	14.4	18.6	10.71	9.1	79.6	20.1	10.18	9.55	4.5
12:09	113.8	13.8	17.8	10.80	9.0	75.7	18.0	10.48	9.27	4.4
12:10	126.8	14.4	18.7	10.42	9.4	83.0	20.4	10.05	9.66	4.6
12:11	146.6	16.1	18.1	9.95	9.8	85.6	20.0	9.56	10.02	4.7

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2	CHAN 3 STACK ppmC1
12:12	139.7	17.2	14.4	10.17	9.5	82.6	15.7	9.89	9.73	4.3
12:13	102.5	14.8	13.2	10.92	8.8	70.2	14.4	10.61	9.09	4.4
12:14	96.5	11.6	15.0	11.08	8.7	68.8	16.3	10.70	9.12	4.6
12:15	133.7	9.0	16.9	10.37	9.5	83.6	18.5	9.87	9.87	4.4
12:16	129.7	9.0	15.5	10.34	9.4	82.2	17.8	9.85	9.79	4.3
12:17	104.9	9.5	12.1	10.64	9.1	83.8	12.4	9.93	9.71	4.2
12:18	82.8	9.6	13.9	11.04	8.7	85.1	15.3	10.51	9.16	4.2
12:19	117.8	10.1	17.9	10.49	9.4	90.2	19.6	9.79	9.94	4.0
12:20	145.7	12.3	16.9	9.93	9.8	88.6	17.2	9.66	9.85	4.1
AVERAGE VALUES FOR THE LAST 30 MINUTES										
12:20	120.7	13.8	16.8	10.46	9.2	78.7	18.5	10.06	9.56	4.6
AVERAGE VALUES FOR THE LAST HOUR: 60 MINUTES OF VALID DATA										
12:20	119.9	9.7	19.2	10.45	9.2	74.8	20.9	9.96	9.61	4.5

COMMENTS: END STACK RATA RUN 3
END INLET RATA RUN 3
END COMPLIANCE TEST RUN 2
END THC RUN 1

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK

DATE : 06-23-1999 TIME: 12:21 - 12:36

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.6
4	STACK	ppmNOx	228.0	220.2
5	STACK	ppmSO2	0.0	-0.2
5	STACK	ppmSO2	45.1	44.2
6	STACK	ppmCO	0.0	-0.4
6	STACK	ppmCO	91.5	89.3
1	STACK	% O2	0.00	0.10
1	STACK	% O2	8.99	8.93
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	0.6
9	INLET	ppmSO2	300.0	284.2
11	INLET	ppmCO	0.0	-0.0
11	INLET	ppmCO	91.5	91.0
7	INLET	% O2	0.00	0.23
7	INLET	% O2	8.99	8.81
10	INLET	% CO2	0.00	0.12
10	INLET	% CO2	8.82	8.71
3	STACK	ppmC1	0.0	0.8
3	STACK	ppmC1	25.0	25.7

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2	CHAN 3 STACK ppmCl
12:39	96.8	7.5	23.8	10.93	8.6	45.3	26.5	10.56	9.07	3.9
12:40	118.1	7.5	23.0	10.52	9.0	41.9	25.2	10.13	9.41	3.9
12:41	142.3	7.3	21.2	9.87	9.7	43.5	23.0	9.29	10.09	3.8
12:42	144.6	6.6	18.0	9.94	9.5	41.9	19.3	9.52	9.83	4.0
12:43	121.4	5.9	17.8	10.31	9.2	36.8	20.1	10.01	9.47	3.8
12:44	121.5	5.4	19.6	10.33	9.2	36.3	22.3	9.97	9.54	3.5
12:45	142.1	5.4	17.3	9.97	9.5	39.7	18.5	9.50	9.93	3.5
12:46	151.4	5.3	15.6	9.96	9.5	39.0	16.5	9.64	9.73	3.4
12:47	139.6	5.4	14.3	10.23	9.2	37.6	15.5	9.86	9.51	3.2
12:48	116.5	5.1	14.6	10.64	8.8	36.6	15.8	10.25	9.14	3.1
12:49	98.4	5.1	13.8	10.94	8.5	36.3	14.9	10.76	8.73	3.1
12:50	108.8	5.3	18.6	10.38	9.2	38.8	20.9	10.16	9.38	2.9
12:51	106.8	6.1	20.0	10.06	9.5	39.2	21.7	9.97	9.49	2.9
12:52	118.5	6.3	14.6	10.08	9.4	41.4	15.6	10.00	9.44	2.9
12:53	122.3	6.1	12.9	10.18	9.3	42.6	14.1	10.16	9.35	2.9
12:54	115.9	6.1	12.6	10.59	8.9	42.7	14.1	10.54	8.94	3.0
12:55	122.5	6.2	14.1	10.57	9.0	42.2	16.0	10.47	9.15	2.8
12:56	145.3	6.7	17.9	9.90	9.6	44.7	21.0	9.61	9.85	2.7
12:57	157.0	7.2	13.1	9.88	9.6	51.8	13.4	9.65	9.79	2.6
12:58	145.2	7.7	10.5	10.23	9.2	56.0	11.8	9.92	9.45	2.7
12:59	109.7	7.3	11.1	10.92	8.6	54.1	12.5	10.57	8.98	2.7
13:00	111.0	7.2	15.3	10.66	8.9	59.4	18.0	10.07	9.42	2.5
13:01	127.9	8.0	17.9	10.28	9.3	61.3	20.3	9.90	9.63	2.4
13:02	134.2	9.2	19.0	9.98	9.6	63.3	21.6	9.80	9.69	2.3
13:03	151.0	10.9	15.7	9.71	9.8	65.7	17.8	9.58	9.75	2.3
13:04	149.5	12.3	11.8	9.91	9.5	66.1	13.2	9.91	9.54	2.2
13:05	116.0	13.4	11.0	10.65	8.8	67.0	13.1	10.57	8.91	2.2
13:06	113.2	13.3	15.6	10.75	8.8	77.9	19.7	10.42	9.18	2.1
13:07	98.0	14.7	19.2	11.03	8.4	77.6	22.6	10.79	8.66	2.1
13:08	99.3	13.7	20.7	11.00	8.5	83.4	24.7	10.74	8.90	2.1
AVERAGE VALUES FOR THE LAST 30 MINUTES										
13:08	124.8	7.8	16.3	10.35	9.1	50.3	18.3	10.08	9.40	2.9
13:09	126.4	14.1	22.8	10.51	9.0	92.0	27.2	10.13	9.39	2.1
13:10	161.9	14.4	24.9	9.71	9.8	94.5	29.3	9.36	10.09	2.0
13:11	158.3	15.7	18.0	9.65	9.8	86.9	19.9	9.41	9.92	2.0
13:12	126.0	15.6	15.0	10.37	9.1	88.1	17.5	10.17	9.26	2.0
13:13	94.6	13.5	20.2	11.15	8.4	86.7	25.1	11.08	8.61	2.0
13:14	131.9	14.0	26.8	10.51	9.0	95.9	32.8	10.20	9.37	2.0
13:15	119.2	13.6	22.5	10.61	9.0	99.5	26.9	10.29	9.36	1.8
13:16	126.2	13.4	23.7	10.16	9.5	107.0	28.7	9.86	9.74	1.8
13:17	147.2	15.8	23.5	9.59	9.9	107.5	28.6	9.29	10.16	1.8
13:18	124.4	15.0	15.0	10.30	9.2	97.5	16.4	10.15	9.35	1.8
13:19	110.5	12.4	15.9	10.67	9.0	98.6	19.0	10.49	9.23	1.9
13:20	158.0	12.2	21.6	9.65	9.9	112.6	26.8	9.32	10.16	1.8
13:21	145.3	11.8	14.5	10.04	9.5	104.8	16.2	9.81	9.60	1.7
13:22	107.4	10.2	14.2	10.77	8.8	102.8	16.9	10.73	8.94	1.8
13:23	122.0	9.6	19.4	10.52	9.0	116.6	24.4	10.13	9.40	1.8
13:24	103.2	9.5	16.5	10.82	8.7	113.6	18.2	10.59	9.06	1.7
13:25	111.4	9.4	18.1	10.64	9.0	120.1	20.4	10.28	9.35	1.6
13:26	121.0	9.6	16.9	10.47	9.1	116.3	18.9	10.32	9.27	1.6
13:27	134.2	9.1	15.6	10.38	9.2	126.3	18.2	10.04	9.51	1.6
13:28	107.0	8.7	15.4	10.89	8.7	125.3	17.3	10.68	9.02	1.6
13:29	115.4	8.9	20.9	10.58	9.1	132.9	24.4	10.17	9.53	1.6

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2	CHAN 3 STACK ppmC1
13:30	126.9	9.6	22.0	10.29	9.3	131.6	24.9	9.90	9.66	1.7
13:31	112.0	9.7	17.5	10.56	9.0	130.3	18.8	10.24	9.36	1.6
13:32	74.0	9.2	18.2	11.06	8.6	131.6	19.5	10.66	8.87	1.4
13:33	106.6	9.9	24.3	10.55	9.1	144.1	27.5	10.16	9.49	1.4
13:34	135.7	12.3	20.6	10.21	9.4	136.8	22.4	10.05	9.57	1.4
13:35	113.7	11.8	18.0	10.61	9.0	122.9	21.3	10.65	9.06	1.5
13:36	108.5	10.5	19.0	10.65	9.0	117.0	23.5	10.52	9.14	1.4
13:37	113.5	9.0	19.8	10.24	9.4	113.3	24.4	10.26	9.41	1.4
13:38	118.9	8.1	19.4	10.19	9.4	112.3	24.0	10.13	9.56	1.4
AVERAGE VALUES FOR THE LAST 30 MINUTES										
13:38	122.0	11.6	19.3	10.41	9.2	112.2	22.6	10.16	9.41	1.7
AVERAGE VALUES FOR THE LAST HOUR: 60 MINUTES OF VALID DATA										
13:38	123.4	9.7	17.8	10.38	9.2	81.3	20.5	10.13	9.41	2.3

COMMENTS: END STACK RATA RUN 4
END INLET RATA RUN 4
END COMPLIANCE RUN 3
END THC RUN 2

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK

DATE : 06-23-1999 TIME: 13:40 - 13:56

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.7
4	STACK	ppmNOx	228.0	218.3
5	STACK	ppmSO2	0.0	-0.2
5	STACK	ppmSO2	45.1	44.4
6	STACK	ppmCO	0.0	-0.1
6	STACK	ppmCO	91.5	89.5
1	STACK	% O2	0.00	0.12
1	STACK	% O2	8.99	8.90
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	1.0
9	INLET	ppmSO2	300.0	286.5
11	INLET	ppmCO	0.0	0.1
11	INLET	ppmCO	91.5	90.3
7	INLET	% O2	0.00	0.22
7	INLET	% O2	8.99	8.82
10	INLET	% CO2	0.00	0.15
10	INLET	% CO2	8.82	8.70
3	STACK	ppmC1	0.0	0.1
3	STACK	ppmC1	25.0	24.5

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2	CHAN 3 STACK ppmCl
13:58	111.6	9.0	12.9	10.68	8.9	68.9	14.3	10.48	9.19	-0.5
13:59	142.2	10.3	17.2	9.90	9.6	70.9	19.6	9.64	9.87	-1.4
14:00	126.2	10.3	12.3	10.32	9.1	59.4	12.9	10.07	9.39	-2.0
14:01	92.4	9.3	11.7	11.12	8.4	51.8	12.7	10.91	8.62	-2.3
14:02	102.5	9.3	17.3	10.91	8.7	55.8	19.0	10.57	8.05	-2.6
14:03	126.5	10.8	20.4	10.04	9.5	59.6	21.2	9.80	9.82	-2.8
14:04	135.0	11.4	14.2	9.74	9.8	61.0	14.6	9.43	9.93	-2.9
14:05	137.3	10.7	12.2	9.92	9.6	56.0	12.7	9.80	9.69	-3.0
14:06	128.1	10.3	10.2	10.24	9.2	55.0	10.6	10.05	9.42	-3.0
14:07	107.4	10.4	11.3	10.64	8.8	55.5	13.2	10.37	9.14	-3.1
14:08	104.8	9.9	16.9	10.71	8.8	53.8	20.1	10.33	9.25	-3.2
14:09	108.7	9.5	15.6	10.45	9.1	54.7	16.3	10.14	9.39	-3.2
14:10	103.9	9.0	15.7	10.28	9.2	57.1	17.1	9.95	9.56	-3.3
14:11	84.8	9.0	13.8	10.86	8.6	52.9	13.6	10.63	8.82	-3.3
14:12	87.1	8.2	17.5	10.95	8.6	52.3	18.3	10.58	9.04	-3.4
14:13	107.0	8.5	20.6	10.44	9.1	52.8	19.3	10.31	9.22	-3.4
14:14	117.7	8.2	15.8	10.46	9.0	49.7	16.3	10.17	9.34	-3.4
14:15	106.0	7.7	12.8	10.82	8.6	44.7	12.7	10.71	8.72	-3.5
14:16	90.1	6.6	13.3	11.04	8.6	43.0	15.1	10.87	8.90	-3.5
14:17	120.2	6.7	21.2	10.14	9.4	45.7	24.1	9.67	9.77	-3.5
14:18	84.5	6.5	14.3	10.97	8.5	39.5	13.5	10.85	8.81	-3.5
14:19	68.4	6.0	16.3	11.34	8.2	36.6	16.6	10.88	8.74	-3.6
14:20	112.8	6.0	22.3	10.03	9.6	49.3	23.2	9.66	10.46	-3.6
14:21	123.1	7.1	15.0	9.97	9.4	56.0	12.2	9.29	9.94	-3.6
14:22	85.8	6.7	12.5	11.02	8.4	41.5	12.1	10.43	8.99	-3.7
14:23	57.7	5.6	13.1	11.64	7.9	36.6	13.0	11.02	8.56	-3.7
14:24	88.7	5.2	19.0	10.88	8.7	48.9	19.4	9.89	9.64	-3.7
14:25	88.5	5.6	16.9	11.30	8.2	39.0	16.0	10.31	8.72	-3.7
14:26	96.0	5.3	18.9	11.40	8.2	34.2	20.2	10.71	8.97	-3.8
14:27	112.1	5.4	17.9	11.05	8.5	34.3	16.9	10.34	9.27	-3.7
AVERAGE VALUES FOR THE LAST 30 MINUTES										
14:27	105.2	8.2	15.6	10.64	8.9	50.5	16.2	10.25	9.27	-3.1

COMMENTS: END STACK RATA RUN 5
END INLET RATA RUN 5

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK AFTER RUN 5

DATE : 06-23-1999 TIME: 14:28 - 14:42

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.7
4	STACK	ppmNOx	228.0	218.0
5	STACK	ppmSO2	0.0	-0.1
5	STACK	ppmSO2	45.1	44.3
6	STACK	ppmCO	0.0	-0.2
6	STACK	ppmCO	91.5	89.5
1	STACK	% O2	0.00	0.06
1	STACK	% O2	8.99	8.86
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	-1.0
9	INLET	ppmSO2	300.0	282.4
11	INLET	ppmCO	0.0	0.1
11	INLET	ppmCO	91.5	91.0
7	INLET	% O2	0.00	0.24
7	INLET	% O2	8.99	8.90
10	INLET	% CO2	0.00	0.09
10	INLET	% CO2	8.82	8.70

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2	CHAN 3 STACK ppmCl
14:44	223.6	5.4	17.4	8.13	11.1	81.1	16.5	7.60	11.42	2.2
14:45	213.1	5.0	12.8	8.65	10.6	73.0	13.1	7.93	11.04	2.0
14:46	190.7	4.8	11.1	9.33	10.0	63.5	11.4	8.95	10.22	1.8
14:47	145.6	4.4	10.3	10.22	9.2	54.7	11.1	10.02	9.36	1.8
14:48	106.8	3.9	12.5	10.89	8.6	48.1	14.4	10.70	8.78	1.7
14:49	67.2	3.2	13.2	11.62	7.9	41.9	15.3	11.48	8.05	1.7
14:50	47.3	2.4	14.1	12.13	7.6	39.0	15.7	11.85	7.81	1.9
14:51	103.2	2.2	19.6	11.04	8.6	47.2	22.9	10.40	9.28	1.6
14:52	157.8	2.6	20.1	10.11	9.4	52.4	22.0	9.71	9.70	1.5
14:53	136.5	3.2	14.0	10.54	9.0	48.8	14.4	10.45	9.10	1.5
14:54	111.5	3.4	12.8	10.83	8.7	46.6	15.6	10.64	9.01	1.5
14:55	133.5	4.4	15.1	10.12	9.4	57.2	17.6	9.67	9.81	1.4
14:56	131.7	6.5	12.7	9.96	9.5	63.7	13.2	10.00	9.38	1.3
14:57	87.2	8.0	10.3	10.88	8.6	54.1	12.4	11.07	8.42	1.2
14:58	68.3	7.8	13.5	11.30	8.3	51.1	17.6	11.25	8.48	1.2
14:59	121.7	7.8	18.6	10.21	9.4	60.8	22.5	9.72	9.77	1.2
15:00	104.2	8.1	13.2	10.55	8.9	52.6	12.8	10.39	9.10	1.2
15:01	80.5	7.5	13.0	11.03	8.5	49.9	14.7	10.73	8.94	1.3
15:02	99.6	7.5	16.6	10.82	8.7	51.1	17.9	10.63	8.93	1.3
15:03	128.9	7.4	18.9	10.33	9.3	52.0	21.4	9.84	9.70	1.2
15:04	113.6	7.9	17.2	10.58	8.9	47.8	16.7	10.43	9.09	1.3
15:05	104.4	7.5	15.5	10.61	8.9	52.8	15.9	10.16	9.38	1.2
15:06	99.2	7.8	14.0	10.82	8.7	51.0	14.3	10.52	8.93	1.1
15:07	77.7	7.9	16.2	11.27	8.3	48.3	17.6	10.93	8.75	1.0
15:08	130.9	7.6	21.9	10.33	9.2	56.5	21.6	9.90	9.56	1.0
15:09	106.1	7.8	16.8	10.96	8.5	50.1	16.2	10.80	8.68	1.1
15:10	104.9	6.6	18.8	10.96	8.7	49.4	21.7	10.44	9.26	1.1
15:11	158.4	7.4	22.1	9.44	10.1	58.1	22.7	9.10	10.27	1.0
15:12	155.5	8.7	14.2	9.52	9.9	55.5	14.2	9.47	9.82	1.1
15:13	102.7	8.0	12.4	10.82	8.6	45.8	14.4	11.01	8.46	1.2
AVERAGE VALUES FOR THE LAST 30 MINUTES										
15:13	120.4	6.1	15.3	10.47	9.0	53.5	16.6	10.19	9.28	1.4
15:14	59.3	7.3	15.3	11.57	8.0	43.1	18.9	11.43	8.22	1.1
15:15	104.4	7.1	20.7	10.71	8.9	45.6	24.2	10.35	9.23	1.0
15:16	116.9	7.7	16.8	10.74	8.8	42.0	17.3	10.63	8.95	0.9
15:17	151.8	8.9	18.7	9.86	9.7	52.3	21.6	9.32	10.19	0.9
15:18	190.1	12.4	17.0	9.12	10.3	62.2	16.6	8.83	10.37	0.9
15:19	142.4	13.7	10.4	10.14	9.3	51.4	10.4	10.02	9.36	0.9
15:20	74.6	11.7	11.2	11.39	8.1	41.4	12.6	11.22	8.27	0.9
15:21	60.5	9.8	16.7	11.64	8.0	40.6	19.2	11.11	8.60	0.9
15:22	118.6	9.7	20.9	10.62	9.0	44.0	22.1	9.78	9.74	0.9
15:23	167.8	10.1	15.4	9.82	9.7	47.5	14.0	9.24	10.06	1.0
15:24	150.3	10.0	9.8	10.39	9.0	45.6	10.0	10.22	9.17	1.1
15:25	109.1	8.9	10.7	11.03	8.5	43.5	12.2	10.64	8.96	0.9
15:26	107.3	8.0	13.3	10.81	8.7	47.7	14.5	10.23	9.27	0.9
15:27	147.7	7.9	15.8	9.88	9.7	76.9	16.9	9.24	10.23	0.9
15:28	189.3	11.2	14.4	9.12	10.3	64.0	13.0	8.81	10.42	0.8
15:29	130.2	11.3	7.1	10.44	9.0	55.6	6.5	10.37	8.96	0.9
15:30	55.9	8.9	7.1	11.90	7.6	56.9	8.6	12.00	7.44	1.0
15:31	33.1	6.6	10.5	12.41	7.3	57.0	13.5	12.15	7.47	1.1
15:32	62.9	5.5	13.7	11.76	7.9	59.1	15.5	11.26	8.48	0.9
15:33	137.1	6.1	14.2	10.30	9.3	62.6	14.7	9.58	9.87	0.8
15:34	164.1	7.5	11.5	9.91	9.7	60.5	12.1	9.46	10.01	0.9

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2	CHAN 3 STACK ppmC1
15:35	188.3	8.3	8.7	9.30	10.2	53.5	8.6	8.86	10.42	0.8
15:36	181.6	8.3	7.7	9.46	10.0	64.5	8.1	8.86	10.42	0.8
15:37	142.2	7.6	6.9	10.19	9.2	61.2	6.9	9.39	9.58	0.8
15:38	82.3	6.3	8.2	11.17	8.3	54.4	9.0	10.82	8.65	0.8
15:39	62.5	4.7	10.7	11.53	8.0	51.1	11.6	11.20	8.35	1.0
15:40	85.9	3.9	12.3	11.23	8.3	57.3	13.3	10.88	8.76	0.9
15:41	126.3	4.0	13.2	10.35	9.2	61.3	13.8	10.02	9.52	0.9
15:42	161.2	4.3	11.7	9.74	9.8	64.9	13.7	9.55	9.94	0.8
15:43	154.3	4.5	9.6	10.11	9.4	58.2	9.4	10.17	9.21	0.9
AVERAGE VALUES FOR THE LAST 30 MINUTES										
15:43	121.9	8.1	12.7	10.56	9.0	54.5	13.6	10.20	9.27	0.9
AVERAGE VALUES FOR THE LAST HOUR: 60 MINUTES OF VALID DATA										
15:43	121.2	7.1	14.0	10.51	9.0	54.0	15.1	10.20	9.28	1.1

COMMENTS: END STACK RATA RUN 6
END INLET RATA RUN 6
END THC RUN 3

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK

DATE : 06-23-1999 TIME: 15:44 - 15:57

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.6
4	STACK	ppmNOx	228.0	217.7
5	STACK	ppmSO2	0.0	-1.0
5	STACK	ppmSO2	45.1	42.8
6	STACK	ppmCO	0.0	-0.5
6	STACK	ppmCO	91.5	90.0
1	STACK	% O2	0.00	0.07
1	STACK	% O2	8.99	8.84
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	0.0
9	INLET	ppmSO2	300.0	288.9
11	INLET	ppmCO	0.0	-0.1
11	INLET	ppmCO	91.5	91.0
7	INLET	% O2	0.00	0.23
7	INLET	% O2	8.99	8.88
10	INLET	% CO2	0.00	0.10
10	INLET	% CO2	8.82	8.72
3	STACK	ppmC1	0.0	-0.3
3	STACK	ppmC1	25.0	24.4

OWS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
16:00	93.9	13.8	9.3	10.81	8.7	79.4	11.0	10.53	9.08
16:01	114.3	15.5	12.7	10.38	9.2	86.5	14.2	10.09	9.35
16:02	112.2	18.3	12.8	10.41	9.1	94.4	14.9	10.17	9.37
16:03	100.6	19.8	16.5	10.41	9.2	86.5	19.7	10.13	9.45
16:04	116.4	16.9	16.2	10.02	9.6	91.1	18.3	9.52	9.90
16:05	92.3	12.6	12.1	10.60	8.9	88.9	12.6	10.42	8.99
16:06	78.1	8.9	11.7	11.01	8.6	89.0	13.1	10.60	9.02
16:07	123.1	8.2	15.6	10.13	9.5	88.9	17.5	9.55	9.95
16:08	141.2	8.9	14.8	9.82	9.7	81.3	13.6	10.12	9.27
16:09	96.5	8.4	10.2	10.95	8.5	68.4	11.4	11.30	8.25
16:10	74.7	6.9	13.7	11.41	8.2	75.3	19.0	11.39	8.27
16:11	80.7	6.2	17.4	11.42	8.1	69.3	18.7	11.61	8.01
16:12	87.1	5.4	17.5	11.42	8.2	68.5	20.5	11.12	8.53
16:13	87.9	5.2	19.8	11.24	8.4	68.2	22.6	10.95	8.79
16:14	116.5	5.4	20.8	10.40	9.2	76.7	20.7	9.91	9.64
16:15	166.6	7.0	16.6	9.22	10.4	97.7	18.0	9.00	10.41
16:16	181.1	11.9	14.5	8.88	10.6	100.0	14.8	8.99	10.40
16:17	171.8	15.7	10.3	9.31	10.1	93.5	11.0	9.47	9.87
16:18	136.9	16.3	9.1	10.31	9.2	84.8	10.3	10.43	9.11
16:19	98.2	14.1	10.1	10.83	8.7	83.7	11.6	10.74	8.79
16:20	74.4	10.4	11.9	11.24	8.4	83.5	14.1	10.93	8.72
16:21	98.4	8.7	16.0	10.80	8.8	82.8	16.9	10.46	9.14
16:22	116.6	7.2	15.3	10.57	9.0	76.8	16.1	10.42	9.22
16:23	116.1	6.4	14.8	10.54	9.1	74.6	16.4	10.19	9.52
16:24	137.9	6.8	17.6	9.78	9.9	76.8	18.6	9.23	10.31
16:25	170.9	9.4	13.9	8.92	10.6	82.8	13.1	8.36	10.87
16:26	173.5	15.0	8.9	8.91	10.5	81.8	8.6	8.31	10.40
16:27	136.8	16.9	7.3	9.96	9.4	68.6	7.9	10.02	9.38
16:28	90.2	17.1	7.9	11.04	8.4	59.5	9.2	10.95	8.60
16:29	64.4	13.0	11.1	11.49	8.1	66.7	13.3	10.78	8.93
AVERAGE VALUES FOR THE LAST 30 MINUTES									
16:29	115.0	11.3	13.5	10.41	9.1	80.9	14.9	10.21	9.32

COMMENTS: END STACK RATA RUN 7
END INLET RATA RUN 7

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK AFTER RUN 7

DATE : 06-23-1999 TIME: 16:30 - 16:38

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.7
4	STACK	ppmNOx	228.0	219.9
5	STACK	ppmSO2	0.0	-1.0
5	STACK	ppmSO2	45.1	44.4
6	STACK	ppmCO	0.0	-0.1
6	STACK	ppmCO	91.5	89.8
1	STACK	% O2	0.00	0.15
1	STACK	% O2	8.99	8.87
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	-0.5
9	INLET	ppmSO2	300.0	289.0
11	INLET	ppmCO	0.0	0.1
11	INLET	ppmCO	91.5	90.8
7	INLET	% O2	0.00	0.22
7	INLET	% O2	8.99	8.82
10	INLET	% CO2	0.00	0.12
10	INLET	% CO2	8.82	8.76

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
16:43	134.2	8.6	16.4	10.06	9.4	60.6	17.3	9.82	9.46
16:44	119.6	8.0	12.6	10.30	9.2	56.3	12.4	10.11	9.26
16:45	106.0	7.2	11.6	10.71	8.8	54.2	13.3	10.39	9.04
16:46	127.4	7.2	16.1	10.36	9.2	54.3	18.3	9.86	9.60
16:47	132.0	7.8	16.7	10.14	9.4	51.7	17.7	9.96	9.40
16:48	120.0	7.3	14.2	10.47	9.1	52.0	15.0	10.12	9.33
16:49	127.6	6.3	15.6	10.14	9.5	55.8	17.7	9.70	9.72
16:50	116.6	6.3	16.6	10.16	9.3	49.6	17.8	10.27	9.12
16:51	114.8	6.0	17.6	10.34	9.3	51.6	20.6	9.94	9.54
16:52	120.7	6.5	15.2	10.38	9.1	52.6	14.4	10.17	9.31
16:53	143.3	6.9	13.9	10.13	9.4	56.9	15.5	9.50	9.87
16:54	133.3	7.8	13.5	10.37	9.2	54.0	12.8	9.96	9.53
16:55	124.2	7.5	11.8	10.47	9.0	55.8	11.0	9.95	9.41
16:56	101.1	6.8	10.6	11.07	8.5	53.0	11.6	10.45	9.10
16:57	139.0	7.3	14.3	10.38	9.1	53.4	14.7	10.05	9.38
16:58	126.0	7.9	14.0	10.42	9.2	57.8	16.6	9.70	9.79
16:59	139.7	7.5	15.3	9.87	9.6	58.2	13.4	9.93	9.43
17:00	109.8	6.2	10.8	10.65	8.9	51.5	11.9	10.50	9.03
17:01	108.1	5.6	14.7	10.58	9.0	56.9	17.4	10.02	9.52
17:02	126.3	6.3	16.2	10.05	9.5	55.6	13.9	9.74	9.67
17:03	126.4	5.6	11.0	10.40	9.1	53.3	11.1	10.32	9.11
17:04	103.9	4.7	9.8	11.01	8.5	54.4	11.6	10.54	9.06
17:05	137.0	4.8	13.5	10.35	9.2	62.9	17.2	9.89	9.60
17:06	123.7	5.7	15.4	10.38	9.1	58.5	16.0	10.37	9.10
17:07	112.5	5.5	12.7	10.48	9.1	62.0	15.1	9.75	9.84
17:08	120.5	6.1	14.2	10.22	9.3	56.1	12.4	9.97	9.49
17:09	101.6	5.6	11.1	10.70	8.8	61.3	13.3	10.34	9.17
17:10	93.3	5.4	14.3	10.93	8.6	58.3	17.9	10.59	8.98
17:11	112.3	5.1	18.3	10.61	9.0	58.1	22.3	9.88	9.67
17:12	137.3	5.3	19.1	10.10	9.4	51.2	20.5	9.93	9.51
AVERAGE VALUES FOR THE LAST 30 MINUTES									
17:12	121.3	6.5	14.2	10.41	9.1	55.6	15.3	10.06	9.40

COMMENTS: END STACK RATA RUN 8
END INLET RATA RUN 8

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK AFTER RUN 8

DATE : 06-23-1999 TIME: 17:12 - 17:23

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.7
4	STACK	ppmNOx	228.0	219.8
5	STACK	ppmSO2	0.0	-1.3
5	STACK	ppmSO2	45.1	44.5
6	STACK	ppmCO	0.0	0.0
6	STACK	ppmCO	91.5	90.0
1	STACK	% O2	0.00	0.13
1	STACK	% O2	8.99	8.88
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	-1.0
9	INLET	ppmSO2	300.0	292.6
11	INLET	ppmCO	0.0	0.6
11	INLET	ppmCO	91.5	90.6
7	INLET	% O2	0.00	0.24
7	INLET	% O2	8.99	8.87
10	INLET	% CO2	0.00	0.11
10	INLET	% CO2	8.82	8.64

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
17:29	120.7	6.2	16.6	10.26	9.2	61.6	17.4	10.36	9.19
17:30	127.8	5.5	16.1	10.27	9.3	53.2	18.8	10.09	9.47
17:31	133.0	5.4	15.3	10.07	9.4	49.8	17.7	10.15	9.24
17:32	98.2	5.1	12.7	10.96	8.5	44.8	13.5	11.13	8.28
17:33	93.1	4.8	13.6	11.12	8.4	47.3	17.2	10.85	8.81
17:34	121.6	4.9	23.3	10.29	9.2	51.7	28.1	10.15	9.36
17:35	105.1	5.1	15.6	10.76	8.7	46.3	15.1	10.82	8.70
17:36	107.6	4.9	15.9	10.83	8.7	47.7	18.8	10.60	9.01
17:37	111.4	5.1	17.1	10.63	8.9	46.0	18.6	10.68	8.86
17:38	118.9	5.5	16.3	10.59	9.0	46.9	19.2	10.24	9.32
17:39	144.1	5.8	17.4	10.09	9.4	46.6	18.6	9.69	9.77
17:40	117.7	5.4	12.4	10.73	8.7	40.9	12.9	10.73	8.71
17:41	79.9	4.6	12.8	11.50	8.1	41.4	15.3	11.28	8.40
17:42	82.6	4.4	21.8	11.04	8.6	43.1	24.4	10.61	9.07
17:43	102.6	4.9	25.1	10.48	9.1	44.9	25.6	10.33	9.30
17:44	117.9	4.6	21.4	10.12	9.5	47.3	20.9	9.80	9.78
17:45	141.2	4.7	19.6	9.52	10.1	57.5	21.4	9.30	10.25
17:46	156.4	5.2	17.5	8.96	10.6	70.8	17.8	8.94	10.45
17:47	153.7	5.9	11.5	9.23	10.3	66.2	11.3	9.41	9.94
17:48	128.2	6.1	9.8	9.94	9.6	56.0	11.4	10.35	9.17
17:49	97.4	5.8	11.2	10.79	8.8	44.8	13.2	11.11	8.49
17:50	75.1	4.7	11.8	11.46	8.1	38.6	13.7	11.78	7.87
17:51	83.6	3.7	15.8	11.42	8.3	41.8	19.7	11.14	8.69
17:52	124.2	4.5	25.2	10.22	9.5	48.6	28.0	9.90	9.72
17:53	147.3	4.9	21.5	9.87	9.7	46.6	21.6	9.79	9.76
17:54	141.0	4.3	14.4	10.38	9.2	44.5	13.3	10.15	9.39
17:55	130.6	3.5	13.0	10.61	9.0	42.7	14.5	10.37	9.23
17:56	128.0	3.5	14.6	10.60	9.0	42.7	15.3	10.32	9.29
17:57	124.4	3.5	15.4	10.57	9.0	41.5	17.4	10.43	9.15
17:58	111.9	3.3	17.0	10.84	8.8	40.9	19.0	10.63	9.13
AVERAGE VALUES FOR THE LAST 30 MINUTES									
17:58	117.5	4.9	16.4	10.47	9.1	48.1	18.0	10.37	9.19

COMMENTS: END STACK RATA RUN 9
END INLET RATA RUN 9

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK AFTER RUN 9

DATE : 06-23-1999 TIME: 17:58 - 18:09

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.5
4	STACK	ppmNOx	228.0	220.8
5	STACK	ppmSO2	0.0	-1.6
5	STACK	ppmSO2	45.1	44.0
6	STACK	ppmCO	0.0	0.0
6	STACK	ppmCO	91.5	89.9
1	STACK	% O2	0.00	0.10
1	STACK	% O2	8.99	8.89
2	STACK	% CO2	0.0	0.1
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	-0.5
9	INLET	ppmSO2	300.0	286.4
11	INLET	ppmCO	0.0	0.0
11	INLET	ppmCO	91.5	90.6
7	INLET	% O2	0.00	0.27
7	INLET	% O2	8.99	8.84
10	INLET	% CO2	0.00	0.10
10	INLET	% CO2	8.82	8.66

OMS LEE - FT. MYERS - UNIT 2 06-23-1999

TIME	CHAN 4 STACK ppmNOx	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 9 INLET ppmSO2	CHAN11 INLET ppmCO	CHAN 7 INLET % O2	CHAN10 INLET % CO2
18:12	125.8	4.9	16.4	10.13	9.4	58.3	17.1	9.94	9.54
18:13	154.1	5.1	14.1	9.84	9.8	63.5	16.4	9.48	10.03
18:14	160.1	6.2	13.4	9.77	9.7	67.5	14.4	9.46	9.90
18:15	118.7	6.5	12.3	10.60	8.9	60.0	13.2	10.41	9.02
18:16	73.0	6.4	13.2	11.38	8.2	55.9	15.3	10.97	8.66
18:17	85.1	6.0	17.2	11.20	8.4	57.6	18.3	10.85	8.76
18:18	103.0	6.1	18.7	10.86	8.8	55.9	20.3	10.33	9.30
18:19	143.0	7.4	17.4	9.94	9.7	58.2	18.2	9.66	9.90
18:20	163.2	8.4	14.7	9.46	10.1	58.3	15.3	9.30	10.13
18:21	136.3	8.8	12.5	10.13	9.4	53.3	13.7	10.13	9.36
18:22	94.6	7.1	12.7	11.08	8.5	50.0	13.2	11.20	8.47
18:23	104.5	6.9	18.2	10.86	8.9	53.8	22.6	10.54	9.22
18:24	118.4	7.4	17.4	10.76	8.9	50.1	16.2	10.67	8.98
18:25	139.0	6.9	15.7	10.46	9.2	56.1	17.4	10.10	9.53
18:26	146.4	8.0	15.4	10.32	9.3	51.9	15.5	10.21	9.37
18:27	120.9	7.5	14.7	10.59	9.1	49.3	17.2	10.40	9.28
18:28	128.1	7.2	16.3	10.26	9.4	53.2	18.3	10.04	9.55
18:29	118.1	6.6	15.2	10.55	9.1	49.1	16.3	10.44	9.21
18:30	130.6	6.8	16.3	10.13	9.5	55.9	19.2	9.57	9.99
18:31	122.5	7.5	14.5	10.40	9.2	47.7	14.1	10.19	9.36
18:32	100.4	6.8	13.3	10.80	8.9	48.4	15.0	10.39	9.32
18:33	111.8	7.4	17.0	10.50	9.1	52.2	18.7	10.18	9.35
18:34	91.7	6.5	14.9	10.88	8.8	51.2	16.8	10.46	9.27
18:35	126.5	7.3	18.6	9.99	9.7	60.5	20.4	9.59	9.99
18:36	139.4	8.1	13.9	9.99	9.6	53.9	13.0	9.93	9.56
18:37	101.7	7.0	8.9	10.93	8.6	48.4	9.4	10.92	8.64
18:38	92.8	6.5	12.0	11.13	8.5	51.2	16.2	10.74	9.01
18:39	103.6	6.6	19.8	10.59	9.1	53.0	24.0	10.27	9.37
18:40	142.9	7.1	17.4	9.94	9.7	54.3	18.4	9.50	10.05
18:41	150.3	7.7	10.9	9.95	9.6	49.8	10.5	9.91	9.51
AVERAGE VALUES FOR THE LAST 30 MINUTES									
18:41	121.5	7.0	15.1	10.45	9.2	54.3	16.5	10.19	9.39

COMMENTS: END STACK RATA RUN 10
END INLET RATA RUN 10

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 2

REASON: SYSTEM BIAS CHECK AFTER RUN 10

DATE : 06-23-1999 TIME: 18:41 - 18:52

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	STACK	ppmNOx	0.0	0.4
4	STACK	ppmNOx	228.0	220.1
5	STACK	ppmSO2	0.0	-1.2
5	STACK	ppmSO2	45.1	44.2
6	STACK	ppmCO	0.0	0.0
6	STACK	ppmCO	91.5	90.8
1	STACK	% O2	0.00	0.09
1	STACK	% O2	8.99	8.91
2	STACK	% CO2	0.0	0.2
2	STACK	% CO2	9.1	9.1
9	INLET	ppmSO2	0.0	-1.1
9	INLET	ppmSO2	300.0	285.1
11	INLET	ppmCO	0.0	0.3
11	INLET	ppmCO	91.5	91.0
7	INLET	% O2	0.00	0.27
7	INLET	% O2	8.82	8.87
10	INLET	% CO2	0.00	0.12
10	INLET	% CO2	8.82	8.68

APPENDIX D

OMS - LEE - RELATIVE ACCURACY TEST AUDIT DATA

1.0 UNIT NO. 1

Client Name:	OGDEN MARTIN SYSTEM	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	6/21-22/99
City, State:	FORT MYERS, FL	Facility ID:	0
Test Location:	UNIT 1 INLET	Equipment: ID:	0

FACILITY CEMS DATA SUMMARY

Run No.	Time (hh:mm)	SO2 (ppm@7%O2)	CO (ppm@7%O2)	O2 (%)	CO2 (%)
1	1508-1607	78.00	19.0	10.40	8.9
2	1625-1654	101.00	22.0	10.20	9.1
3	1709-1738	78.00	18.0	10.30	9.0
4	0759-0828	112.00	26.0	9.70	9.5
5	0845-0944	94.00	23.0	9.70	9.5
6	1005-1104	84.00	31.0	10.00	9.2
7	1121-1150	105.00	23.0	9.50	9.7
8	1204-1223	68.00	25.0	9.40	9.9
9	1248-1217	63.00	13.0	9.60	9.7
10	1330-1359	76.00	16.0	9.50	9.7
11	1410-1439	53.00	14.0	9.80	9.5
12	1452-1521	55.00	12.0	9.60	9.7
	Average	80.58	20.17	9.81	9.45

Client Name:	OGDEN MARTIN SYSTEMS	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	6/21-22/99
City, State:	FORT MYERS, FL	Facility ID:	NA
Test Location:	UNIT 1 STACK	Equipment: ID:	NA

FACILITY CEMS DATA SUMMARY

Run No.	Time (hh:mm)	SO2 (ppm@7%O2)	NOx (ppm@7%O2)	CO (ppm@7%O2)	O2 (%)	CO2 (%)
1	0926-0955	0.00	168.00	35.0	9.70	9.5
2	1038-1107	2.00	162.00	41.0	11.00	8.3
3	1121-1150	3.00	166.00	DNA	10.60	8.6
4	1207-1236	4.00	168.00	28.0	10.40	9.0
5	1252-1321	2.00	163.00	24.0	10.50	9.1
6	1332-1401	0.00	163.00	22.0	10.40	9.1
7	1411-1440	0.00	174.00	20.0	10.40	9.1
8	1508-1607	0.00	165.00	24.0	10.40	8.9
9	1625-1654	0.00	172.00	29.0	10.40	9.0
10	1709-1738	0.00	166.00	22.0	10.30	9.1
11	0845-0944	0.00	160.00	24.0	10.10	9.3
12	1005-1104	0.00	159.00	32.0	10.10	9.1
	Average	0.92	165.50	27.36	10.36	9.01

Run 1 stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 09:25	0	9.5	125	9.8	29	45	9.8	9.5
06/21/99 09:26	0	8.8	144	10.4	32	50	10.4	8.7
06/21/99 09:27	0	8.7	163	10.5	24	50	10.3	8.9
06/21/99 09:28	0	8.7	182	10.5	20	51	10.0	9.2
06/21/99 09:29	0	9.0	183	10.2	19	52	9.5	9.6
06/21/99 09:30	0	9.4	167	9.9	21	54	9.1	10.2
06/21/99 09:31	Miss	Miss	Miss	Miss	Miss	Miss	Miss	Miss
06/21/99 09:32	Miss	Miss	Miss	Miss	Miss	Miss	Miss	Miss
06/21/99 09:33	0	10.5	98	8.8	23	55	8.4	10.9
06/21/99 09:34	0	10.3	111	9.0	27	56	8.6	10.6
06/21/99 09:35	0	10.1	121	9.2	32	54	9.1	10.2
06/21/99 09:36	0	9.7	137	9.6	30	54	9.3	10.0
06/21/99 09:37	0	9.6	141	9.7	28	52	9.4	9.8
06/21/99 09:38	0	9.2	157	10.0	31	56	9.7	9.4
06/21/99 09:39	1	8.7	172	10.4	24	60	10.2	8.9
06/21/99 09:40	1	8.4	195	10.7	24	69	10.3	8.8
06/21/99 09:41	1	8.6	200	10.5	25	76	9.9	9.3
06/21/99 09:42	1	9.4	170	9.9	25	69	9.2	10.0
06/21/99 09:43	1	10.0	127	9.3	30	65	8.6	10.7
06/21/99 09:44	1	10.7	91	8.7	36	61	7.9	11.4
06/21/99 09:45	0	11.5	61	8.0	47	59	7.4	12.0
06/21/99 09:46	0	11.0	68	8.4	48	64	8.2	11.1
[redacted]/99 09:47	0	10.6	102	8.8	42	67	8.5	10.9
[redacted]/99 09:48	0	10.6	112	8.8	35	62	8.2	11.1
06/21/99 09:49	0	10.5	114	8.9	37	58	8.7	10.7
06/21/99 09:50	0	9.3	156	9.9	35	65B	9.4B	9.6B
06/21/99 09:51	1	9.0	185	10.2	23	59B	8.4B	10.8B
06/21/99 09:52	1	9.4	181	9.9	22	65<	8.7<	10.7<
06/21/99 09:53	1	10.3	133	9.0	24	62	8.1	11.3
06/21/99 09:54	1	11.2	83	8.2	29	57	7.5	12.0
	09:25	09:40	09:45	09:45	09:29	09:25	09:45	09:26
Minimum	0	8.4	61	8.0	19	45	7.4	8.7
1-minute Values								
Maximum	1	11.5	200	10.7	48	76	10.4	12.0
	09:42	09:45	09:41	09:40	09:46	09:41	09:26	09:45
Average	0	9.7	138	9.5	29	58	9.0	10.2
Total	10	272.3	3876	267.0	820	1517	234.6	265.7
Recovery (%)	93.33	93.33	93.33	93.33	93.33	86.67	86.67	86.67

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	09:25	25	150	29	0	53
06/21/99	09:26	28	163	31	0	56
06/21/99	09:27	20	183	23	0	57
06/21/99	09:28	17	205	19	0	60
06/21/99	09:29	15	213	18	0	64
06/21/99	09:30	18	200	22	0	69
06/21/99	09:31	Miss	Miss	Miss	Miss	Miss
06/21/99	09:32	Miss	Miss	Miss	Miss	Miss
06/21/99	09:33	20	130	27	0	75
06/21/99	09:34	24	144	31	0	75
06/21/99	09:35	26	154	32	0	69
06/21/99	09:36	25	168	30	0	67
06/21/99	09:37	24	171	29	0	64
06/21/99	09:38	26	184	30	0	66
06/21/99	09:39	21	194	24	0	68
06/21/99	09:40	21	215	23	0	77
06/21/99	09:41	23	224	27	0	90
06/21/99	09:42	22	204	27	1	87
06/21/99	09:43	28	161	37	0	88
06/21/99	09:44	34	121	48	0	88
06/21/99	09:45	40	87	61	0	91
06/21/99	09:46	43	94	59	0	90
06/21/99	09:47	39	135	54	0	93
06/21/99	09:48	34	150	47	0	87
06/21/99	09:49	35	151	45	0	78
06/21/99	09:50	35B	184	43B	0	79B
06/21/99	09:51	29B	214	40B	0	84B
06/21/99	09:52	19<	217	25<	0	88<
06/21/99	09:53	21	173	30	1	88
06/21/99	09:54	24	118	36	1	88
		09:29	09:45	09:29	09:25	09:25
Minimum		15	87	18	0	53
1-minute Values						
Maximum		43	224	61	1	93
		09:46	09:41	09:45	09:42	09:47
Average		26	168	33	0	76
Total		667	4702	857	3	1970
Recovery (%)		86.67	93.33	86.67	93.33	86.67

Run 1 start

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
CHAN UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
CHAN SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 09:25	29	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:26	29	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:27	29	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:28	29	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:29	31	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:30	31	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:31	31	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:32	31	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:33	31	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:34	31	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:35	31	19	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:36	31	19	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:37	31	19	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:38	31	19	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:39	31	19	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:40	31	19	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:41	31	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:42	31	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:43	31	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:44	31	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:45	31	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:46	31	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:47	51	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:48	51	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:49	51	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:50	51	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:51	51	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:52	51	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:53	37	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 09:54	37	27	0.00	0.000	0.00	0.00	0.00	0.000
	09:25	09:41	09:25	09:25	09:25	09:25	09:25	09:25
Minimum	29	17	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values								
Maximum	51	27	0.00	0.000	0.00	0.00	0.00	0.000
	09:47	09:53	09:25	09:25	09:25	09:25	09:25	09:25
Average	35	22	0.00	0.000	0.00	0.00	0.00	0.000
Total	1048	647	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

D

Run 2 Stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2e
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	10:37	1	11.6	103	7.7	24	100	6.9	12.5
06/21/99	10:38	1	11.4	95	7.9	32	112	7.4	11.8
06/21/99	10:39	1	11.4	96	7.9	30	104<	7.1<	12.2<
06/21/99	10:40	2	10.2	141	9.0	36	125B	7.8B	11.3B
06/21/99	10:41	2	10.9	135	8.4	27	125B	7.7B	11.3B
06/21/99	10:42	2	12.0	96	7.4	28	125B	7.7B	11.3B
06/21/99	10:43	2	10.8	113	8.6	43	125B	7.6B	11.4B
06/21/99	10:44	3	10.0	158	9.2	31	85B	1.6B	18.4B
06/21/99	10:45	3	10.9	129	8.4	25	113B	0.0B	6.2B
06/21/99	10:46	2	11.8	92	7.6	27	256B	0.0B	0.2B
06/21/99	10:47	2	11.4	92	8.0	36	262B	0.0B	0.1B
06/21/99	10:48	2	10.6	125	8.7	29	223B	4.0B	6.6B
06/21/99	10:49	2	11.5	110	7.8	27	115B	7.0B	12.3B
06/21/99	10:50	2	10.8	118	8.5	38	115B	7.8B	11.4B
06/21/99	10:51	2	11.2	121	8.2	30	97B	7.2B	12.2B
06/21/99	10:52	2	11.2	115	8.2	33	114B	7.6B	11.7B
06/21/99	10:53	2	11.3	119	8.1	30	113B	7.4B	12.0B
06/21/99	10:54	2	10.6	130	8.8	36	124B	8.6B	10.7B
06/21/99	10:55	3	9.2	173	9.9	24	154B	8.5B	10.6B
06/21/99	10:56	3	10.6	136	8.6	20	120B	7.2B	12.2B
06/21/99	10:57	2	11.8	89	7.6	27	91B	6.2B	13.3B
06/21/99	10:58	2	11.8	74	7.6	36	100B	7.1B	12.4B
06/21/99	10:59	2	11.2	103	8.1	26	104B	7.0B	12.[illegible]
06/21/99	11:00	2	11.4	94	7.8	26	103B	7.2B	12.1B
06/21/99	11:01	2	10.5	125	8.7	26	123B	7.8B	11.4B
06/21/99	11:02	2	11.1	120	8.1	19	106B	6.9B	12.4B
06/21/99	11:03	2	11.9	92	7.4	24	103<	6.7<	12.7<
06/21/99	11:04	2	11.2	108	8.1	34	122	8.2	11.0
06/21/99	11:05	3	9.7	177	9.4	26	147	8.6	10.5
06/21/99	11:06	4	10.9	154	8.3	20	87	5.8	13.9
		10:39	10:55	10:58	11:03	11:02	11:06	11:06	11:05
Minimum		1	9.2	74	7.4	19	87	5.8	10.5
1-minute Values									
Maximum		4	12.0	177	9.9	43	147	8.6	13.9
		11:06	10:42	11:05	10:55	10:43	11:05	11:05	11:06
Average		2	11.0	118	8.3	29	110	7.2	12.1
Total		61	330.7	3528	247.9	867	773	50.7	84.5
Recovery (%)		100.00	100.00	100.00	100.00	100.00	23.33	23.33	23.33

Run 2 Stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted]N NAME		COec	NOXsc	COecc	SO2sc	SO2ec
[redacted]N UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	10:37	21	153	34	1	163
06/21/99	10:38	31	137	46	1	169
06/21/99	10:39	24<	139	37<	1	165<
06/21/99	10:40	29B	182	41B	1	178B
06/21/99	10:41	29B	185	41B	2	178B
06/21/99	10:42	29B	147	41B	1	178B
06/21/99	10:43	29B	152	42B	1	180B
06/21/99	10:44	26B	198	415B	2	753B
06/21/99	10:45	2B	177	163B	2	247B
06/21/99	10:46	0B	138	0B	2	171B
06/21/99	10:47	0B	133	0B	1	173B
06/21/99	10:48	4B	167	5B	2	233B
06/21/99	10:49	23B	161	37B	3	184B
06/21/99	10:50	37B	160	52B	2	167B
06/21/99	10:51	27B	172	43B	2	153B
06/21/99	10:52	30B	162	44B	1	170B
06/21/99	10:53	28B	170	42B	1	175B
06/21/99	10:54	33B	173	43B	1	167B
06/21/99	10:55	21B	203	27B	2	206B
06/21/99	10:56	17B	182	25B	4	190B
06/21/99	10:57	27B	134	48B	3	163B
06/21/99	10:58	40B	111	63B	2	160B
[redacted]21/99	10:59	26B	146	41B	1	170B
[redacted]21/99	11:00	25B	136	38B	1	162B
06/21/99	11:01	24B	165	35B	1	178B
06/21/99	11:02	16B	168	25B	2	172B
06/21/99	11:03	22<	141	35<	2	172<
06/21/99	11:04	32	151	44	2	170
06/21/99	11:05	23	217	30	3	194
06/21/99	11:06	13	210	41	4	272
		11:06	10:58	11:05	10:37	10:37
Minimum		13	111	30	1	163
1-minute Values						
Maximum		32	217	46	4	272
		11:04	11:05	10:38	11:06	11:06
Average		24	162	38	2	186
Total		166	4865	265	49	1303
Recovery (%)		23.33	100.00	23.33	100.00	23.33

Run 2 Stack

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
IN UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
FULL SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 10:36	40	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:37	40	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:38	40	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:39	40	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:40	40	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:41	41	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:42	41	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:43	41	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:44	41	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:45	41	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:46	41	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:47	45	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:48	45	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:49	45	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:50	45	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:51	45	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:52	45	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:53	44	46	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:54	44	46	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:55	44	46	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:56	44	46	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:57	44	46	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:58	44	46	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 10:59	39	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 11:00	39	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 11:01	39	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 11:02	39	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 11:03	39	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 11:04	39	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 11:05	36	44	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 11:06	36	44	0.00	0.000	0.00	0.00	0.00	0.000
	11:05	10:36	10:36	10:36	10:36	10:36	10:36	10:36
Minimum	36	18	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values								
Maximum	45	46	0.00	0.000	0.00	0.00	0.00	0.000
	10:47	10:53	10:36	10:36	10:36	10:36	10:36	10:36
Average	41	33	0.00	0.000	0.00	0.00	0.00	0.000
Total	1281	1010	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Run 3 stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
[redacted] SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 11:20	5	11.7	91	7.6	30	138B	6.8B	12.4B
06/21/99 11:21	4	11.3	104	8.0	36	142<	6.7<	12.4<
06/21/99 11:22	4	9.8	150	9.3	34	174	9.0	10.0
06/21/99 11:23	5	9.9	170	9.2	24	203	8.7	10.2
06/21/99 11:24	5	10.9	138	8.3	26	156	7.8	11.3
06/21/99 11:25	4	11.7	95	7.6	29	132	7.3	12.0
06/21/99 11:26	3	11.3	94	8.0	38	147	7.8	11.4
06/21/99 11:27	3	11.0	100	8.2	36	152	8.0	11.2
06/21/99 11:28	3	10.9	118	8.4	38	162	8.0	11.2
06/21/99 11:29	3	11.7	88	7.7	39	134	7.4	11.9
06/21/99 11:30	3	11.2	94	8.1	39	135	7.9	11.3
06/21/99 11:31	4	9.9	137	9.4	40	154	9.2	9.9
06/21/99 11:32	5	9.3	180	9.8	31	142	8.9	10.2
06/21/99 11:33	4	10.1	155	9.2	25	118	8.2	10.9
06/21/99 11:34	3	10.6	127	8.7	28	118	7.7	11.5
06/21/99 11:35	3	11.0	102	8.4	33	115	7.8	11.5
06/21/99 11:36	3	10.3	119	8.9	34	144	8.3	10.8
06/21/99 11:37	3	10.8	109	8.5	35	118	8.0	11.2
06/21/99 11:38	3	10.7	119	8.6	39	115	8.1	11.1
06/21/99 11:39	2	10.5	126	8.8	41	105	8.6	10.6
06/21/99 11:40	2	10.3	129	9.0	44	93	8.5	10.6
06/21/99 11:41	2	9.7	161	9.6	38	101	9.3	9.8
[redacted]/21/99 11:42	2	10.1	174	9.2	29	90	8.3	10.9
[redacted]/21/99 11:43	1	11.2	116	8.1	29	79	7.5	11.8
[redacted]/21/99 11:44	1	11.1	103	8.3	41	89	8.1	11.2
06/21/99 11:45	1	10.7	123	8.7	39	91	8.2	11.1
06/21/99 11:46	1	10.2	143	9.2	35	95	8.9	10.4
06/21/99 11:47	1	10.2	139	9.1	32	90	8.6	10.6
06/21/99 11:48	1	10.2	134	9.1	33	101	8.8	10.4
06/21/99 11:49	0	11.2	115	8.2	33	79	7.7	11.7
	11:49	11:32	11:29	11:25	11:23	11:43	11:21	11:41
Minimum	0	9.3	88	7.6	24	79	6.7	9.8
1-minute Values								
Maximum	5	11.7	180	9.8	44	203	9.3	12.4
	11:23	11:25	11:32	11:32	11:40	11:23	11:41	11:21
Average	3	10.6	125	8.6	34	123	8.2	11.0
Total	83	319.4	3750	259.0	1027	3566	237.0	319.1
Recovery (%)	100.00	100.00	100.00	100.00	100.00	96.67	96.67	96.67

Run 3 Stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME	COec	NOXsc	COecc	SO2sc	SO2ec
AN UNITS	PPM	PPM	PPM	PPM	PPM
FULL SCALE	500	1000	1000	500	1000
ZERO OFFSET	0	0	0	0	0
START / CHANNEL	09	10	11	12	13
06/21/99 11:20	21B	136	34B	6	223B
06/21/99 11:21	22<	148	35<	4	230<
06/21/99 11:22	25	186	31	5	220
06/21/99 11:23	19	213	25	6	263
06/21/99 11:24	21	191	30	5	223
06/21/99 11:25	21	142	32	4	204
06/21/99 11:26	30	135	43	3	215
06/21/99 11:27	30	140	41	4	216
06/21/99 11:28	31	162	44	4	232
06/21/99 11:29	31	131	46	4	205
06/21/99 11:30	34	133	47	4	195
06/21/99 11:31	34	171	42	4	193
06/21/99 11:32	27	214	34	5	183
06/21/99 11:33	22	198	29	4	162
06/21/99 11:34	24	170	34	3	173
06/21/99 11:35	30	142	43	2	169
06/21/99 11:36	31	156	41	3	198
06/21/99 11:37	28	148	39	3	167
06/21/99 11:38	32	160	44	2	161
06/21/99 11:39	32	167	42	2	141
06/21/99 11:40	36	168	47	2	125
06/21/99 11:41	30	197	36	2	125
06/21/99 11:42	24	221	32	1	123
06/21/99 11:43	24	165	35	1	119
06/21/99 11:44	36	144	50	0	126
06/21/99 11:45	35	166	48	0	127
06/21/99 11:46	31	184	39	0	124
06/21/99 11:47	28	179	37	0	120
06/21/99 11:48	29	172	38	0	133
06/21/99 11:49	28	163	41	0	119
	11:23	11:29	11:23	11:45	11:43
Minimum	19	131	25	0	119
1-minute Values					
Maximum	36	221	50	6	263
	11:44	11:42	11:44	11:23	11:23
Average	28	166	39	3	172
Total	822	4994	1118	81	4983
Recovery (%)	96.67	100.00	96.67	100.00	96.67

Run 4 strike

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS		PPM	%	PPM	%	PPM	PPM	%	%
[redacted] SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	12:06	0	10.9	96	8.6	27	43	8.0	11.4
06/21/99	12:07	0	9.9	136	9.4	26	48	8.9	10.4
06/21/99	12:08	0	9.6	150	9.6	19	47	8.9	10.4
06/21/99	12:09	0	10.8	127	8.6	19	42	7.7	11.7
06/21/99	12:10	0	10.9	102	8.5	24	42	8.1	11.2
06/21/99	12:11	0	10.2	132	9.2	25	45	8.6	10.7
06/21/99	12:12	0	10.3	134	9.1	22	43	8.1	11.2
06/21/99	12:13	1	10.6	119	8.8	22	33	7.7	11.7
06/21/99	12:14	1	10.7	107	8.6	25	37	7.9	11.5
06/21/99	12:15	1	10.2	108	9.1	27	40	8.6	10.7
06/21/99	12:16	2	9.8	138	9.4	22	44	8.6	10.7
06/21/99	12:17	3	10.2	144	9.2	22	42	8.0	11.3
06/21/99	12:18	4	11.1	112	8.3	17	38	7.6	11.8
06/21/99	12:19	4	10.5	124	8.8	23	43	8.3	10.9
06/21/99	12:20	6	10.2	146	9.1	20	42	8.3	11.0
06/21/99	12:21	6	10.7	137	8.6	17	40	7.7	11.7
06/21/99	12:22	7	10.6	116	8.8	22	39	8.3	11.1
06/21/99	12:23	6	10.2	127	9.2	21	38	8.1	11.2
06/21/99	12:24	7	10.3	117	9.1	21	36	8.3	11.1
06/21/99	12:25	7	10.0	131	9.3	21	32	8.7	10.7
06/21/99	12:26	7	10.2	147	9.2	18	32	8.3	11.1
06/21/99	12:27	7	10.8	120	8.6	18	28	8.1	11.3
06/21/99	12:28	7	9.9	143	9.4	20	31	8.8	10.6
[redacted]/21/99	12:29	7	10.0	168	9.4	16	32	8.1	11.3
[redacted]/21/99	12:30	7	11.0	135	8.5	14	25	7.3	12.2
06/21/99	12:31	6	11.2	98	8.3	18	23	7.8	11.6
06/21/99	12:32	5	10.8	115	8.7	18	24	8.1	11.3
06/21/99	12:33	5	10.2	136	9.2	19	25	8.7	10.7
06/21/99	12:34	6	9.8	161	9.5	15	27	8.6	10.8
06/21/99	12:35	6	10.5	141	8.9	13	26	7.8	11.6
		12:06	12:08	12:06	12:31	12:35	12:31	12:30	12:08
Minimum		0	9.6	96	8.3	13	23	7.3	10.4
1-minute Values									
Maximum		7	11.2	168	9.6	27	48	8.9	12.2
		12:25	12:31	12:29	12:08	12:06	12:07	12:07	12:30
Average		4	10.4	129	9.0	20	36	8.2	11.2
Total		119	312.1	3864	268.9	605	1082	245.7	334.7
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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[redacted]

D 12

Run 4 Stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
AN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	12:06	27	131	38	0	62
06/21/99	12:07	24	170	31	0	62
06/21/99	12:08	15	184	19	0	61
06/21/99	12:09	15	172	22	0	62
06/21/99	12:10	21	139	30	0	59
06/21/99	12:11	22	169	29	0	61
06/21/99	12:12	20	174	28	0	61
06/21/99	12:13	21	158	31	0	49
06/21/99	12:14	23	145	33	0	54
06/21/99	12:15	25	140	33	1	54
06/21/99	12:16	19	172	25	2	59
06/21/99	12:17	20	185	28	3	61
06/21/99	12:18	14	157	20	4	58
06/21/99	12:19	21	164	28	5	59
06/21/99	12:20	16	189	22	6	58
06/21/99	12:21	13	185	19	8	59
06/21/99	12:22	18	155	25	8	54
06/21/99	12:23	18	164	25	7	53
06/21/99	12:24	18	153	25	8	50
06/21/99	12:25	19	167	25	8	43
06/21/99	12:26	15	189	19	8	44
06/21/99	12:27	14	164	19	9	40
06/21/99	12:28	18	180	23	8	42
06/21/99	12:29	13	212	18	8	45
06/21/99	12:30	11	186	17	8	39
06/21/99	12:31	16	138	23	7	33
06/21/99	12:32	15	157	21	6	33
06/21/99	12:33	17	174	22	6	33
06/21/99	12:34	11	201	14	7	37
06/21/99	12:35	9	187	12	7	38
		12:35	12:06	12:35	12:06	12:31
Minimum		9	131	12	0	33
1-minute Values						
Maximum		27	212	38	9	62
		12:06	12:29	12:06	12:27	12:06
Average		18	168	24	4	51
Total		527	5053	716	132	1516
Recovery (%)		100.00	100.00	100.00	100.00	100.00

Run 4 Stack

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME		COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
[redacted]N UNITS		PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
[redacted]L SCALE		1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET		0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	12:06	30	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:07	30	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:08	30	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:09	30	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:10	30	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:11	30	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:12	30	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:13	30	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:14	30	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:15	30	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:16	30	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:17	30	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:18	30	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:19	30	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:20	30	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:21	30	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:22	30	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:23	27	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:24	27	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:25	27	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:26	27	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:27	27	23	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:28	27	23	0.00	0.000	0.00	0.00	0.00	0.000
[redacted]21/99	12:29	24	30	0.00	0.000	0.00	0.00	0.00	0.000
[redacted]21/99	12:30	24	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:31	24	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:32	24	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:33	24	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:34	24	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	12:35	22	38	0.00	0.000	0.00	0.00	0.00	0.000
		12:35	12:23	12:06	12:06	12:06	12:06	12:06	12:06
Minimum		22	23	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values									
Maximum		30	38	0.00	0.000	0.00	0.00	0.00	0.000
		12:11	12:35	12:06	12:06	12:06	12:06	12:06	12:06
Average		28	27	0.00	0.000	0.00	0.00	0.00	0.000
Total		839	797	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Run 5 start

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
AN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	12:51	2	10.6	110	8.9	18	16B	7.3B	12.2B
06/21/99	12:52	2	10.1	138	9.4	17	20<	9.4<	9.9<
06/21/99	12:53	3	9.6	174	9.7	15	22	9.2	10.2
06/21/99	12:54	3	10.4	163	9.1	11	20	7.9	11.5
06/21/99	12:55	3	11.0	107	8.5	16	19	7.9	11.5
06/21/99	12:56	3	10.4	124	9.0	18	19<	8.4<	11.0<
06/21/99	12:57	3	10.1	147	9.4	17	20B	8.4B	10.9B
06/21/99	12:58	3	10.8	115	8.8	14	20B	8.4B	10.9B
06/21/99	12:59	2	10.4	118	9.1	18	20B	8.4B	10.9B
06/21/99	13:00	3	10.6	106	9.0	19	20B	8.4B	10.9B
06/21/99	13:01	3	10.2	137	9.3	17	20B	8.4B	10.9B
06/21/99	13:02	3	11.1	104	8.5	16	20B	8.4B	10.9B
06/21/99	13:03	2	10.7	109	8.9	21	20B	8.4B	10.9B
06/21/99	13:04	3	10.6	115	9.0	20	20B	8.4B	10.9B
06/21/99	13:05	3	10.7	119	8.9	17	13B	5.6B	14.1B
06/21/99	13:06	2	10.6	122	9.0	19	19B	8.4B	11.2B
06/21/99	13:07	2	10.9	116	8.7	19	21B	8.1B	11.5B
06/21/99	13:08	2	9.4	157	10.1	23	33B	10.3B	9.0B
06/21/99	13:09	3	8.8	213	10.6	15	40B	9.3B	10.1B
06/21/99	13:10	2	10.4	147	9.1	16	33B	7.8B	11.6B
06/21/99	13:11	2	11.8	72	7.9	21	27B	7.1B	12.6B
06/21/99	13:12	1	12.0	55	7.6	28	26B	7.3B	12.3B
06/21/99	13:13	1	11.5	82	8.1	26	28B	7.8B	11.8B
06/21/99	13:14	1	11.0	103	8.6	28	24B	8.3B	11.1
06/21/99	13:15	1	10.6	102	9.0	26	27B	9.0B	10.4
06/21/99	13:16	1	9.8	131	9.7	26	28B	9.6B	9.7B
06/21/99	13:17	1	9.5	160	10.0	20	29B	9.2B	10.2B
06/21/99	13:18	1	9.7	159	9.8	19	29B	9.1B	10.3B
06/21/99	13:19	1	10.3	140	9.3	17	27B	8.6B	10.8B
06/21/99	13:20	1	10.6	111	8.9	18	29B	8.4B	11.1B
		13:15	13:09	13:12	13:12	12:54	12:56	12:55	12:52
Minimum		1	8.8	55	7.6	11	19	7.9	9.9
1-minute Values									
Maximum		3	12.0	213	10.6	28	22	9.4	11.5
		12:56	13:12	13:09	13:09	13:12	12:53	12:52	12:55
Average		2	10.5	125	9.1	19	20	8.6	10.8
Total		60	313.9	3753	271.6	574	99	42.9	54.0
Recovery (%)		100.00	100.00	100.00	100.00	100.00	16.67	16.67	16.67

Run 5 Stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
[redacted] UNITS		PPM	PPM	PPM	PPM	PPM
[redacted] SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	12:51	11B	148	17B	1	26B
06/21/99	12:52	12<	175	14<	2	25<
06/21/99	12:53	11	213	13	2	28
06/21/99	12:54	7	213	9	3	29
06/21/99	12:55	11	149	14	4	28
06/21/99	12:56	13<	162	18<	3	25<
06/21/99	12:57	13B	187	17B	3	26B
06/21/99	12:58	13B	156	17B	2	26B
06/21/99	12:59	13B	155	17B	2	26B
06/21/99	13:00	13B	142	18B	2	26B
06/21/99	13:01	13B	176	17B	2	26B
06/21/99	13:02	13B	145	18B	2	26B
06/21/99	13:03	13B	146	18B	2	26B
06/21/99	13:04	13B	154	17B	2	26B
06/21/99	13:05	12B	161	54B	2	61B
06/21/99	13:06	17B	164	22B	2	27B
06/21/99	13:07	17B	160	23B	2	31B
06/21/99	13:08	20B	186	23B	2	38B
06/21/99	13:09	11B	241	13B	2	50B
06/21/99	13:10	13B	192	18B	2	48B
06/21/99	13:11	17B	107	28B	1	44B
06/21/99	13:12	24B	84	38B	1	41B
06/21/99	13:13	23B	119	34B	1	41B
[redacted]/21/99	13:14	25B	143	35B	1	34B
[redacted]/21/99	13:15	21B	136	27B	0	34B
06/21/99	13:16	20B	161	24B	0	34B
06/21/99	13:17	14B	194	18B	1	37B
06/21/99	13:18	15B	196	18B	1	37B
06/21/99	13:19	12B	182	16B	0	37B
06/21/99	13:20	13B	149	18B	0	40B
		12:54	13:12	12:54	13:15	12:52
Minimum		7	84	9	0	25
1-minute Values						
Maximum		13	241	18	4	29
		12:56	13:09	12:56	12:55	12:54
Average		11	163	13	2	27
Total		53	4889	67	50	133
Recovery (%)		16.67	100.00	16.67	100.00	16.67

Printed 06/21/99 13:39:32

Run 5 Stack

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
IN UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	non
FULL SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 12:51	21	34	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 12:52	21	34	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 12:53	19	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 12:54	19	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 12:55	19	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 12:56	19	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 12:57	19	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 12:58	19	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 12:59	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:00	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:01	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:02	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:03	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:04	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:05	25	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:06	25	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:07	25	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:08	25	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:09	25	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:10	25	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:11	25	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:12	25	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:13	25	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:14	25	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:15	25	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:16	25	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:17	35	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:18	35	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:19	35	27	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 13:20	35	27	0.00	0.000	0.00	0.00	0.00	0.000
	12:53	12:59	12:51	12:51	12:51	12:51	12:51	12:51
Minimum	19	22	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values								
Maximum	35	34	0.00	0.000	0.00	0.00	0.00	0.000
	13:17	12:51	12:51	12:51	12:51	12:51	12:51	12:51
Average	24	27	0.00	0.000	0.00	0.00	0.00	0.000
Total	717	801	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Printed 06/21/99 13:39:13

Run 6 Stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted]N UNITS		PPM	%	PPM	%	PPM	PPM	%	%
[redacted]L SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	13:31	1	9.2	154	10.1	20	29B	9.8B	9.5B
06/21/99	13:32	1	9.2	165	10.1	15	26B	9.6B	9.7B
06/21/99	13:33	1	9.6	165	9.8	12	25B	9.1B	10.1B
06/21/99	13:34	0	10.4	131	9.1	13	25B	9.1B	10.1B
06/21/99	13:35	0	11.3	75	8.2	16	25B	9.0B	10.1B
06/21/99	13:36	0	11.1	79	8.4	18	25B	9.0B	10.1B
06/21/99	13:37	0	10.8	98	8.7	21	26B	9.0B	10.1B
06/21/99	13:38	0	9.9	135	9.6	20	26B	9.0B	10.1B
06/21/99	13:39	0	9.3	164	10.0	16	26B	9.0B	10.1B
06/21/99	13:40	0	9.1	169	10.2	14	26B	9.0B	10.1B
06/21/99	13:41	0	9.0	196	10.3	13	26B	9.0B	10.1B
06/21/99	13:42	0	9.5	183	9.9	11	26B	9.0B	10.1B
06/21/99	13:43	0	10.7	125	8.8	11	26B	9.0B	10.1B
06/21/99	13:44	0	11.9	60	7.7	15	26B	9.0B	10.1B
06/21/99	13:45	0	11.6	54	8.0	21	26B	9.0B	10.1B
06/21/99	13:46	0	10.4	120	9.2	20	26B	9.0B	10.1B
06/21/99	13:47	0	9.6	177	9.7	16	26B	8.9B	10.1B
06/21/99	13:48	0	10.6	137	8.9	13	26B	7.6B	10.1B
06/21/99	13:49	0	11.5	81	8.1	15	24B	5.8B	10.1B
06/21/99	13:50	0	10.9	89	8.6	19	23B	4.6B	10.1B
06/21/99	13:51	0	10.2	126	9.2	19	22B	4.0B	10.1B
06/21/99	13:52	0	9.8	160	9.7	16	20B	3.9B	10.1B
06/21/99	13:53	0	10.1	155	9.4	13	19B	3.9B	10.1B
[redacted]/21/99	13:54	0	11.0	116	8.6	12	17B	3.9B	10.2B
[redacted]/21/99	13:55	0	11.0	99	8.6	17	16B	3.9B	10.9B
06/21/99	13:56	0	10.3	131	9.2	17	14B	3.9B	12.7B
06/21/99	13:57	0	10.3	142	9.2	15	13B	4.0B	14.9B
06/21/99	13:58	0	10.8	109	8.8	15	11B	3.7B	16.9B
06/21/99	13:59	0	10.6	125	8.9	16	10B	3.4B	17.9B
06/21/99	14:00	0	11.4	87	8.2	14	9B	3.2B	18.0B
		13:36	13:41	13:45	13:44	13:42			
Minimum		0	9.0	54	7.7	11	Miss	Miss	Miss
1-minute Values									
Maximum		1	11.9	196	10.3	21	Miss	Miss	Miss
		13:32	13:44	13:41	13:41	13:45			
Average		0	10.4	127	9.1	16	Miss	Miss	Miss
Total		3	310.9	3804	272.9	470	Miss	Miss	Miss
Recovery (%)		100.00	100.00	100.00	100.00	100.00	0.00	0.00	0.00

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Run 6 Stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
AN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	13:31	17B	182	19B	0	34B
06/21/99	13:32	11B	193	12B	0	31B
06/21/99	13:33	7B	200	8B	0	31B
06/21/99	13:34	7B	172	8B	0	31B
06/21/99	13:35	7B	107	8B	0	31B
06/21/99	13:36	7B	111	9B	0	32B
06/21/99	13:37	7B	133	8B	0	31B
06/21/99	13:38	7B	169	8B	0	31B
06/21/99	13:39	7B	195	8B	0	33B
06/21/99	13:40	7B	198	8B	0	33B
06/21/99	13:41	7B	226	8B	0	33B
06/21/99	13:42	7B	220	8B	0	33B
06/21/99	13:43	7B	168	9B	0	33B
06/21/99	13:44	7B	91	9B	0	33B
06/21/99	13:45	7B	80	9B	0	33B
06/21/99	13:46	7B	157	9B	0	33B
06/21/99	13:47	7B	216	9B	0	33B
06/21/99	13:48	7B	183	8B	0	32B
06/21/99	13:49	7B	117	9B	0	31B
06/21/99	13:50	7B	123	8B	0	29B
06/21/99	13:51	7B	162	9B	0	27B
06/21/99	13:52	7B	198	9B	0	25B
06/21/99	13:53	7B	197	9B	0	24B
06/21/99	13:54	7B	161	9B	0	21B
06/21/99	13:55	7B	137	9B	0	21B
06/21/99	13:56	7B	170	12B	0	23B
06/21/99	13:57	7B	186	16B	0	29B
06/21/99	13:58	7B	149	24B	0	38B
06/21/99	13:59	7B	168	32B	0	46B
06/21/99	14:00	7B	126	33B	0	43B
			13:45		13:31	
Minimum		Miss	80	Miss	0	Miss
1-minute Values						
Maximum		Miss	226	Miss	0	Miss
			13:41		13:31	
Average		Miss	163	Miss	0	Miss
Total		Miss	4887	Miss	0	Miss
Recovery (%)		0.00	100.00	0.00	100.00	0.00

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D 19

Run 6 Stack

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME		COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
[redacted]N UNITS		PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
[redacted]L SCALE		1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET		0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	13:31	27	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:32	27	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:33	27	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:34	27	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:35	20	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:36	20	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:37	20	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:38	20	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:39	20	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:40	20	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:41	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:42	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:43	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:44	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:45	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:46	21	22	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:47	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:48	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:49	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:50	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:51	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:52	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:53	21	20	0.00	0.000	0.00	0.00	0.00	0.000
[redacted]21/99	13:54	21	20	0.00	0.000	0.00	0.00	0.00	0.000
[redacted]21/99	13:55	21	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:56	21	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:57	21	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:58	21	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	13:59	21	14	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	14:00	21	14	0.00	0.000	0.00	0.00	0.00	0.000
		13:35	13:59	13:31	13:31	13:31	13:31	13:31	13:31
Minimum		20	14	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values									
Maximum		27	29	0.00	0.000	0.00	0.00	0.00	0.000
		13:31	13:35	13:31	13:31	13:31	13:31	13:31	13:31
Average		22	23	0.00	0.000	0.00	0.00	0.00	0.000
Total		648	699	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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[redacted]

D 20

Run 7 stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	14:10	0	10.3	143	9.1	17	5B	3.1B	17.9B
06/21/99	14:11	0	9.9	155	9.5	14	5B	3.1B	17.9B
06/21/99	14:12	0	10.4	137	9.1	13	4B	3.2B	17.9B
06/21/99	14:13	0	10.7	122	8.8	16	4B	3.2B	17.9B
06/21/99	14:14	0	9.9	159	9.6	17	4B	3.2B	17.9B
06/21/99	14:15	0	9.9	160	9.5	14	4B	3.2B	18.0B
06/21/99	14:16	0	9.8	185	9.6	14	4B	3.2B	18.1B
06/21/99	14:17	0	10.5	152	9.0	12	4B	3.3B	18.2B
06/21/99	14:18	0	10.9	121	8.6	14	4B	3.3B	18.3B
06/21/99	14:19	0	11.0	121	8.6	17	3B	3.3B	18.4B
06/21/99	14:20	0	10.2	140	9.3	18	3B	3.1B	18.5B
06/21/99	14:21	0	9.5	181	9.9	15	3B	2.3B	18.5B
06/21/99	14:22	0	9.9	178	9.5	12	3B	2.1B	18.6B
06/21/99	14:23	0	10.9	127	8.7	12	3B	2.7B	18.7B
06/21/99	14:24	0	11.1	88	8.5	18	3B	3.3B	18.9B
06/21/99	14:25	0	9.5	146	9.9	21	2B	3.4B	19.1B
06/21/99	14:26	1	9.6	171	9.9	14	2B	3.4B	19.2B
06/21/99	14:27	0	10.4	135	9.1	13	2B	3.6B	19.1B
06/21/99	14:28	0	11.5	76	8.1	14	2B	3.7B	18.9B
06/21/99	14:29	0	11.2	69	8.4	20	1B	3.8B	18.8B
06/21/99	14:30	0	10.2	132	9.3	17	1B	3.7B	18.7B
06/21/99	14:31	0	10.7	125	8.9	13	1B	3.4B	18.6B
06/21/99	14:32	0	10.5	126	9.0	17	1B	3.1B	18.5B
06/21/99	14:33	0	10.7	130	8.8	19	1B	3.0B	18.[illegible]
06/21/99	14:34	0	10.9	114	8.7	20	1B	2.7B	18.6
06/21/99	14:35	0	10.4	119	9.1	23	1B	3.1B	18.7B
06/21/99	14:36	0	10.0	149	9.4	15	1B	3.5B	18.7B
06/21/99	14:37	0	10.9	124	8.7	14	0B	3.6B	18.5B
06/21/99	14:38	0	11.2	93	8.3	17	0B	3.2B	18.3B
06/21/99	14:39	0	10.1	128	9.3	18	0B	3.1B	18.0B
		14:10	14:21	14:29	14:28	14:22			
Minimum 1-minute Values		0	9.5	69	8.1	12	Miss	Miss	Miss
Maximum		1	11.5	185	9.9	23	Miss	Miss	Miss
		14:26	14:28	14:16	14:25	14:35			
Average		0	10.4	133	9.1	16	Miss	Miss	Miss
Total		4	312.4	4002	272.1	471	Miss	Miss	Miss
Recovery (%)		100.00	100.00	100.00	100.00	100.00	0.00	0.00	0.00

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Run 7 Stack

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	14:10	7B	186	32B	0	18B
06/21/99	14:11	7B	194	30B	0	17B
06/21/99	14:12	7B	180	29B	0	17B
06/21/99	14:13	7B	165	30B	0	17B
06/21/99	14:14	7B	198	29B	0	18B
06/21/99	14:15	7B	200	29B	0	19B
06/21/99	14:16	7B	231	29B	0	14B
06/21/99	14:17	7B	202	30B	0	15B
06/21/99	14:18	7B	166	32B	0	16B
06/21/99	14:19	7B	167	33B	0	16B
06/21/99	14:20	7B	179	33B	0	16B
06/21/99	14:21	7B	218	34B	0	17B
06/21/99	14:22	7B	224	34B	0	12B
06/21/99	14:23	7B	174	36B	0	12B
06/21/99	14:24	7B	123	39B	0	13B
06/21/99	14:25	7B	177	45B	0	15B
06/21/99	14:26	7B	208	48B	0	16B
06/21/99	14:27	7B	177	44B	0	14B
06/21/99	14:28	7B	110	41B	0	12B
06/21/99	14:29	7B	96	38B	0	6B
06/21/99	14:30	7B	170	36B	0	6B
06/21/99	14:31	7B	168	35B	0	6B
06/21/99	14:32	7B	167	33B	0	5B
06/21/99	14:33	7B	176	33B	0	5B
06/21/99	14:34	7B	157	35B	0	6B
06/21/99	14:35	7B	155	37B	0	4B
06/21/99	14:36	6B	189	37B	0	0B
06/21/99	14:37	6B	170	34B	0	0B
06/21/99	14:38	6B	132	31B	0	0B
06/21/99	14:39	6B	164	28B	0	0B
			14:29		14:10	
Minimum		Miss	96	Miss	0	Miss
1-minute Values						
Maximum		Miss	231	Miss	0	Miss
			14:16		14:10	
Average		Miss	174	Miss	0	Miss
Total		Miss	5213	Miss	0	Miss
Recovery (%)		0.00	100.00	0.00	100.00	0.00

Run 7 Stack

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
CHAN UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	non
FULL SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 14:10	23	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:11	18	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:12	18	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:13	18	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:14	18	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:15	18	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:16	18	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:17	18	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:18	18	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:19	18	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:20	18	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:21	18	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:22	18	18	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:23	19	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:24	19	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:25	19	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:26	19	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:27	19	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:28	19	15	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:29	22	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:30	22	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:31	22	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:32	22	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:33	22	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:34	22	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:35	24	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:36	24	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:37	24	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:38	24	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 14:39	24	17	0.00	0.000	0.00	0.00	0.00	0.000
	14:11	14:23	14:10	14:10	14:10	14:10	14:10	14:10
Minimum	18	15	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values								
Maximum	24	20	0.00	0.000	0.00	0.00	0.00	0.000
	14:35	14:29	14:10	14:10	14:10	14:10	14:10	14:10
Average	20	17	0.00	0.000	0.00	0.00	0.00	0.000
Total	607	511	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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Run 6 Stack
Run 1 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] N NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] N UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 15:07	0	9.3	143	10.0	14	34	9.8	9.5
06/21/99 15:08	0	9.9	146	9.5	14	30	9.0	10.4
06/21/99 15:09	0	10.8	105	8.7	14	31	8.8	10.7
06/21/99 15:10	0	10.7	95	8.8	19	33	8.8	10.6
06/21/99 15:11	0	10.5	99	9.0	20	33	9.5	9.8
06/21/99 15:12	0	9.8	130	9.6	20	36	10.0	9.2
06/21/99 15:13	0	9.4	152	9.9	15	42	10.2	8.9
06/21/99 15:14	0	9.5	169	9.8	14	43	9.8	9.4
06/21/99 15:15	0	9.8	155	9.6	13	44	9.7	9.6
06/21/99 15:16	0	10.3	137	9.1	12	44	9.0	10.3
06/21/99 15:17	0	11.2	92	8.3	16	41	8.4	11.0
06/21/99 15:18	0	10.9	90	8.5	23	44	9.3	10.0
06/21/99 15:19	0	9.9	134	9.5	21	47	9.6	9.6
06/21/99 15:20	0	9.8	144	9.6	17	49	9.7	9.5
06/21/99 15:21	0	9.8	154	9.6	14	48	9.5	9.8
06/21/99 15:22	0	10.5	129	8.9	14	44	8.7	10.6
06/21/99 15:23	0	10.6	107	8.8	19	48	9.2	10.2
06/21/99 15:24	0	10.1	123	9.2	18	48	9.2	10.1
06/21/99 15:25	0	10.5	132	9.0	16	49	8.5	10.8
06/21/99 15:26	0	10.8	109	8.7	20	49	9.1	10.2
06/21/99 15:27	0	10.1	122	9.3	18	55	9.4	9.9
06/21/99 15:28	0	9.6	148	9.7	16	59	10.1	9.1
[redacted]21/99 15:29	0	9.4	175	10.0	14	60	9.7	9.5
[redacted]21/99 15:30	0	9.8	164	9.6	13	61	9.2	10.1
06/21/99 15:31	0	10.6	125	8.8	13	57	8.4	11.0
06/21/99 15:32	0	11.3	84	8.1	15	57	7.9	11.5
06/21/99 15:33	0	11.2	70	8.3	21	66	9.1	10.3
06/21/99 15:34	0	10.1	131	9.3	20	69	9.3	10.0
06/21/99 15:35	0	10.3	145	9.2	14	59	8.7	10.7
06/21/99 15:36	0	11.0	111	8.5	14	54	8.1	11.3
06/21/99 15:37	0	10.8	101	8.7	18	60	9.2	10.1
06/21/99 15:38	0	9.8	145	9.6	20	63	9.4	9.9
06/21/99 15:39	1	9.9	143	9.5	15	59	8.9	10.4
06/21/99 15:40	1	10.5	122	9.0	15	56	8.0	11.4
06/21/99 15:41	1	11.2	93	8.3	17	53	7.8	11.6
06/21/99 15:42	0	10.9	104	8.6	20	62	8.8	10.5
06/21/99 15:43	1	10.5	125	8.9	17	60	8.8	10.5
06/21/99 15:44	1	10.5	128	8.9	17	63	9.0	10.3
06/21/99 15:45	1	10.6	130	8.8	19	61	8.3	11.0
06/21/99 15:46	1	10.7	116	8.7	21	67	9.3	10.0
06/21/99 15:47	1	9.2	164	9.9	21	83	9.9	9.2
06/21/99 15:48	2	9.7	168	9.5	14	74	8.7	10.5
06/21/99 15:49	2	10.9	124	8.5	16	66	7.6	11.8
06/21/99 15:50	2B	11.2B	64B	7.8B	18B	59B	7.5B	11.5B
06/21/99 15:51	1B	12.0B	67B	7.6B	24B	60B	7.8B	11.6B
06/21/99 15:52	1<	10.7<	124<	8.7<	28<	80<	9.1<	10.1<
06/21/99 15:53	1	10.5	146	8.8	23	72	8.6	10.6
06/21/99 15:54	0	10.7	144	8.6	21	69	8.5	10.7

Run 8 Stack
Run 1 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	15:55	0	10.8	134	8.6	20	67	7.8	11.5
06/21/99	15:56	0	11.5	102	7.9	22	65	8.1	11.3
06/21/99	15:57	0	10.3	134	9.0	28	76	8.8	10.4
06/21/99	15:58	0	10.5	143	8.8	19	64	7.9	11.4
06/21/99	15:59	0	11.1	116	8.2	19	62	7.8	11.4
06/21/99	16:00	0	11.1	109	8.2	25	70	8.5	10.7
06/21/99	16:01	0	10.3	141	9.0	25	77	8.4	10.7
06/21/99	16:02	0	11.0	117	8.3	19	76	7.6	11.7
06/21/99	16:03	0	11.1	88	8.2	26	92	8.6	10.6
06/21/99	16:04	0	10.7	125	8.5	23	96	8.1	11.0
06/21/99	16:05	0	11.1	109	8.1	21	100	8.0	11.1
06/21/99	16:06	0	11.1	108	8.2	25	105	9.2	9.9
		15:07	15:47	15:33	15:56	15:16	15:08	16:02	15:13
Minimum		0	9.2	70	7.9	12	30	7.6	8.9
1-minute Values									
Maximum		2	11.5	175	10.0	28	105	10.2	11.8
		15:49	15:56	15:29	15:07	15:52	16:06	15:13	15:49
Average		0	10.4	126	8.9	18	59	8.9	10.4
Total		14	604.7	7318	518.5	1056	3416	514.4	603.9
Recovery (%)		96.67	96.67	96.67	96.67	96.67	96.67	96.67	96.67

Run 8 Stack
Run 1 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted]N NAME	COec	NOXsc	COecc	SO2sc	SO2ec
[redacted]N UNITS	PPM	PPM	PPM	PPM	PPM
FULL SCALE	500	1000	1000	500	1000
ZERO OFFSET	0	0	0	0	0
START / CHANNEL	09	10	11	12	13
06/21/99 15:07	11	170	13	0	40
06/21/99 15:08	10	184	12	0	39
06/21/99 15:09	11	143	14	0	41
06/21/99 15:10	17	128	21	0	43
06/21/99 15:11	16	131	19	0	40
06/21/99 15:12	15	161	18	0	43
06/21/99 15:13	10	181	11	0	48
06/21/99 15:14	11	204	12	0	52
06/21/99 15:15	9	194	9	0	54
06/21/99 15:16	9	178	10	0	57
06/21/99 15:17	12	130	17	0	57
06/21/99 15:18	19	124	23	0	55
06/21/99 15:19	17	168	20	0	57
06/21/99 15:20	13	179	15	0	58
06/21/99 15:21	10	192	11	0	59
06/21/99 15:22	11	171	13	0	58
06/21/99 15:23	17	143	21	0	61
06/21/99 15:24	14	157	18	0	61
06/21/99 15:25	12	174	16	0	66
06/21/99 15:26	17	148	21	0	63
06/21/99 15:27	15	157	18	0	69
06/21/99 15:28	12	180	14	0	68
[redacted]21/99 15:29	11	209	12	0	73
[redacted]21/99 15:30	10	204	11	0	78
06/21/99 15:31	11	167	14	0	79
06/21/99 15:32	13	121	19	0	84
06/21/99 15:33	21	98	26	0	85
06/21/99 15:34	16	166	20	0	88
06/21/99 15:35	11	188	13	0	80
06/21/99 15:36	12	153	16	0	77
06/21/99 15:37	18	137	23	0	76
06/21/99 15:38	16	180	19	0	78
06/21/99 15:39	10	180	13	0	77
06/21/99 15:40	12	160	16	0	81
06/21/99 15:41	15	131	22	0	78
06/21/99 15:42	18	142	24	0	82
06/21/99 15:43	14	166	18	0	79
06/21/99 15:44	15	169	18	0	80
06/21/99 15:45	14	173	19	0	85
06/21/99 15:46	18	157	22	1	84
06/21/99 15:47	15	194	17	1	97
06/21/99 15:48	10	206	12	1	97
06/21/99 15:49	13	170	19	1	99
06/21/99 15:50	17B	91B	24B	1B	86B
06/21/99 15:51	20B	106B	30B	1B	90B
06/21/99 15:52	23<	167<	29<	0<	101<
06/21/99 15:53	17	194	22	0	96
06/21/99 15:54	17	195	22	0	93

Run 3 Stack
Run 1 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

AN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	15:55	16	182	22	0	98
06/21/99	15:56	21	148	29	0	93
06/21/99	15:57	24	174	30	0	101
06/21/99	15:58	15	190	21	0	92
06/21/99	15:59	17	164	24	0	90
06/21/99	16:00	26	153	34	0	94
06/21/99	16:01	21	182	28	0	104
06/21/99	16:02	17	162	24	0	113
06/21/99	16:03	26	124	34	0	123
06/21/99	16:04	18	170	25	0	133
06/21/99	16:05	18	152	25	0	141
06/21/99	16:06	22	151	26	0	131
		15:15	15:33	15:15	15:07	15:08
Minimum		9	98	9	0	39
1-minute Values						
Maximum		26	209	34	1	141
		16:03	15:29	16:00	15:47	16:05
Average		15	165	19	0	78
Total		869	9558	1097	4	4512
Recovery (%)		96.67	96.67	96.67	96.67	96.67

Run 8 Stack
Run 1 Inlet

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

N NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
N UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
FULL SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 15:07	20	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:08	20	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:09	20	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:10	20	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:11	21	13	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:12	21	13	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:13	21	13	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:14	21	13	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:15	21	13	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:16	21	13	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:17	19	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:18	19	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:19	19	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:20	19	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:21	19	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:22	19	16	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:23	23	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:24	23	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:25	23	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:26	23	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:27	23	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:28	23	20	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:29	22	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:30	22	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:31	22	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:32	22	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:33	22	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:34	22	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:35	21	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:36	21	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:37	21	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:38	21	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:39	21	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:40	21	17	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:41	22	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:42	22	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:43	22	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:44	22	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:45	22	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:46	22	21	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:47	25	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:48	25	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:49	25	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:50	25	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:51	25	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:52	25	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:53	33<	25<	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 15:54	33<	25<	0.00	0.000	0.00	0.00	0.00	0.000

nted 06/21/99 16:32:26

Run 8 Stack
Run 1 Inlet

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME		COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPAR
CHAN UNITS		PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
FULL SCALE		1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET		0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	15:55	33<	25<	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	15:56	33<	25<	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	15:57	33<	25<	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	15:58	33<	25<	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	15:59	30	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	16:00	30	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	16:01	30	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	16:02	30	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	16:03	30	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	16:04	30	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	16:05	32	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99	16:06	32	25	0.00	0.000	0.00	0.00	0.00	0.000
		15:17	15:11	15:07	15:07	15:07	15:07	15:07	15:07
Minimum		19	13	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values									
Maximum		33	31	0.00	0.000	0.00	0.00	0.00	0.000
		15:53	15:47	15:07	15:07	15:07	15:07	15:07	15:07
Average		24	21	0.00	0.000	0.00	0.00	0.00	0.000
Total		1433	1265	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Stack Run 1
Inlet Run 2

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] N NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] I UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/21/99	16:24	0	10.6	133	8.8	22	68	8.8	10.6
06/21/99	16:25	0	10.9	116	8.6	26	81	9.2	10.1
06/21/99	16:26	0	10.3	140	9.1	28	86	9.0	10.3
06/21/99	16:27	0	10.5	121	8.9	23	83	9.2	10.2
06/21/99	16:28	0	9.6	152	9.7	26	99	10.3	8.9
06/21/99	16:29	0	9.6	194	9.7	17	80	9.2	10.1
06/21/99	16:30	0	10.6	150	8.8	16	81	8.5	10.8
06/21/99	16:31	0	11.1	113	8.3	20	89	8.6	10.7
06/21/99	16:32	0	10.6	138	8.8	21	100	9.0	10.3
06/21/99	16:33	0	10.5	137	9.0	25	96	9.3	10.1
06/21/99	16:34	0	10.0	135	9.4	28	93	9.6	9.7
06/21/99	16:35	1	9.7	152	9.7	22	89	9.6	9.7
06/21/99	16:36	1	10.1	145	9.3	17	81	9.0	10.4
06/21/99	16:37	1	10.5	128	9.0	17	81	9.0	10.4
06/21/99	16:38	1	10.7	107	8.8	21	90	9.4	10.0
06/21/99	16:39	1	9.8	147	9.6	23	95	9.2	10.1
06/21/99	16:40	1	10.7	128	8.7	18	75	8.5	10.9
06/21/99	16:41	1	10.5	126	8.9	21	80	9.2	10.1
06/21/99	16:42	1	10.8	131	8.7	18	70	8.7	10.7
06/21/99	16:43	1	10.2	132	9.2	22	77	9.8	9.5
06/21/99	16:44	1	10.0	161	9.4	15	69	8.8	10.5
06/21/99	16:45	0	11.2	109	8.3	15	62	8.3	11.0
[redacted]/21/99	16:46	0	10.8	104	8.6	20	68	8.9	10.4
[redacted]/21/99	16:47	0	11.0	111	8.5	18	64	8.7	10.7
06/21/99	16:48	0	11.0	94	8.5	22	63	8.9	10.5
06/21/99	16:49	0	10.9	92	8.6	24	60	9.0	10.4
06/21/99	16:50	0	10.0	122	9.3	22	59B	9.3B	9.8B
06/21/99	16:51	0	9.9	141	9.5	18	58B	9.3B	10.1B
06/21/99	16:52	0	9.9	143	9.4	18	65<	10.2<	9.0<
06/21/99	16:53	0	9.6	154	9.7	18	64	10.1	9.2
		16:25	16:28	16:49	16:45	16:45	16:49	16:45	16:28
Minimum		0	9.6	92	8.3	15	60	8.3	8.9
1-minute Values									
Maximum		1	11.2	194	9.7	28	100	10.3	11.0
		16:40	16:45	16:29	16:28	16:34	16:32	16:28	16:45
Average		0	10.4	132	9.0	21	79	9.1	10.2
Total		7	311.6	3955	270.7	618	2204	255.8	285.2
Recovery (%)		100.00	100.00	100.00	100.00	100.00	93.33	93.33	93.33

Stack Run 9
Inlet Run 2

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	16:24	19	179	24	0	90
06/21/99	16:25	25	159	31	0	104
06/21/99	16:26	25	183	31	0	111
06/21/99	16:27	22	162	28	0	106
06/21/99	16:28	24	184	27	0	114
06/21/99	16:29	12	237	14	0	102
06/21/99	16:30	12	201	16	0	111
06/21/99	16:31	18	160	24	0	120
06/21/99	16:32	19	185	24	0	129
06/21/99	16:33	24	181	30	0	122
06/21/99	16:34	28	171	33	0	115
06/21/99	16:35	18	187	22	0	109
06/21/99	16:36	14	185	18	0	106
06/21/99	16:37	14	169	18	0	105
06/21/99	16:38	17	144	20	0	114
06/21/99	16:39	19	184	23	0	121
06/21/99	16:40	15	173	20	0	102
06/21/99	16:41	19	166	23	0	102
06/21/99	16:42	16	177	21	0	94
06/21/99	16:43	20	169	24	0	93
06/21/99	16:44	11	204	14	0	91
06/21/99	16:45	12	154	15	0	87
06/21/99	16:46	16	142	20	0	89
06/21/99	16:47	14	155	18	0	86
06/21/99	16:48	18	131	23	0	84
06/21/99	16:49	20	126	26	0	78
06/21/99	16:50	20B	155	24B	0	72B
06/21/99	16:51	15B	177	19B	0	75B
06/21/99	16:52	14<	179	16<	0	75<
06/21/99	16:53	14	188	16	0	74
		16:44	16:49	16:44	16:24	16:53
Minimum		11	126	14	0	74
1-minute Values						
Maximum		28	237	33	0	129
		16:34	16:29	16:34	16:24	16:32
Average		18	172	22	0	101
Total		496	5160	611	0	2828
Recovery (%)		93.33	100.00	93.33	100.00	93.33

Stack Run 9
Inlet Run 2

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
CHAN UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
FULL SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 16:24	37	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:25	37	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:26	37	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:27	37	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:28	37	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:29	31	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:30	31	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:31	31	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:32	31	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:33	31	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:34	31	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:35	29	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:36	29	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:37	29	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:38	29	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:39	29	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:40	29	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:41	25	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:42	25	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:43	25	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:44	25	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:45	25	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:46	25	29	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:47	24	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:48	24	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:49	24	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:50	24	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:51	24	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:52	24	35	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 16:53	26	28	0.00	0.000	0.00	0.00	0.00	0.000
	16:47	16:53	16:24	16:24	16:24	16:24	16:24	16:24
Minimum	24	28	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values								
Maximum	37	35	0.00	0.000	0.00	0.00	0.00	0.000
	16:24	16:47	16:24	16:24	16:24	16:24	16:24	16:24
Average	29	31	0.00	0.000	0.00	0.00	0.00	0.000
Total	868	924	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Run 10 stack
3 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
CHAN UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 17:08	1	9.7	150	9.7	13	61	8.8	10.6
06/21/99 17:09	1	10.8	108	8.7	13	51	7.9	11.7
06/21/99 17:10	1	10.9	91	8.6	19	53	8.7	10.7
06/21/99 17:11	1	10.3	130	9.1	19	58	9.4	10.0
06/21/99 17:12	1	10.1	149	9.4	17	57	9.5	9.9
06/21/99 17:13	1	10.4	151	9.1	15	54	9.3	10.1
06/21/99 17:14	1	10.7	143	8.8	14	50	8.5	11.0
06/21/99 17:15	1	10.5	121	9.0	18	57	9.7	9.7
06/21/99 17:16	1	9.7	171	9.7	15	61	9.2	10.2
06/21/99 17:17	1	10.9	143	8.6	12	54	8.1	11.4
06/21/99 17:18	1	10.9	109	8.6	19	61	9.1	10.3
06/21/99 17:19	1	10.0	150	9.4	18	64	9.2	10.2
06/21/99 17:20	1	11.1	117	8.5	15	57	8.3	11.1
06/21/99 17:21	1	10.6	104	8.8	24	58	9.2	10.2
06/21/99 17:22	1	9.6	140	9.7	21	64	10.1	9.2
06/21/99 17:23	1	9.3	162	10.0	15	68	9.9	9.4
06/21/99 17:24	1	9.6	153	9.7	14	73	9.6	9.7
06/21/99 17:25	1	9.9	143	9.5	15	70	9.2	10.1
06/21/99 17:26	1	10.5	99	9.0	16	67	8.5	10.9
06/21/99 17:27	0	11.0	69	8.5	19	68	8.4	11.0
06/21/99 17:28	0	10.5	87	9.0	24	70	9.4	9.9
06/21/99 17:29	1	10.4	112	9.1	19	64	8.8	10.6
06/21/99 17:30	1	10.5	114	8.9	19	63	9.2	10.1
06/21/99 17:31	1	9.9	131	9.5	19	66	10.0	9.3
06/21/99 17:32	1	9.1	195	10.1	15	68	10.1	9.1
06/21/99 17:33	1	9.5	201	9.8	14	60	9.3	9.9
06/21/99 17:34	1	10.3	152	9.1	12	56	8.7	10.7
06/21/99 17:35	1	10.9	107	8.6	14	55	8.2	11.2
06/21/99 17:36	1	11.3	73	8.2	17	53	8.3	11.1
06/21/99 17:37	0	10.7	88	8.8	20	58	9.1	10.3
	17:28	17:32	17:27	17:36	17:17	17:14	17:09	17:32
Minimum	0	9.1	69	8.2	12	50	7.9	9.1
1-minute Values								
Maximum	1	11.3	201	10.1	24	73	10.1	11.7
	17:13	17:36	17:33	17:32	17:28	17:24	17:22	17:09
Average	1	10.3	129	9.1	17	60	9.0	10.3
Total	21	309.4	3858	273.8	503	1810	271.3	309.3
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Run 10 Stack
Run 3 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
[redacted] UNITS		PPM	PPM	PPM	PPM	PPM
[redacted] SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/21/99	17:08	10	184	12	0	81
06/21/99	17:09	12	146	17	1	75
06/21/99	17:10	18	126	24	0	71
06/21/99	17:11	16	169	19	0	72
06/21/99	17:12	13	189	15	1	70
06/21/99	17:13	11	199	12	1	68
06/21/99	17:14	11	193	13	0	69
06/21/99	17:15	15	160	18	0	70
06/21/99	17:16	11	211	13	1	78
06/21/99	17:17	9	196	12	0	78
06/21/99	17:18	17	149	21	0	78
06/21/99	17:19	15	190	18	1	82
06/21/99	17:20	12	163	16	1	80
06/21/99	17:21	22	138	28	0	74
06/21/99	17:22	18	171	20	0	75
06/21/99	17:23	11	192	12	1	81
06/21/99	17:24	11	186	13	0	89
06/21/99	17:25	12	180	15	0	89
06/21/99	17:26	14	131	19	0	91
06/21/99	17:27	19	95	26	0	95
06/21/99	17:28	24	114	29	0	88
06/21/99	17:29	17	146	21	0	85
[redacted]/21/99	17:30	17	151	21	0	80
[redacted]21/99	17:31	16	163	19	0	77
06/21/99	17:32	12	228	14	0	79
06/21/99	17:33	11	243	13	0	75
06/21/99	17:34	9	197	11	0	75
06/21/99	17:35	12	147	16	0	78
06/21/99	17:36	16	104	22	0	73
06/21/99	17:37	19	118	24	0	75
		17:17	17:27	17:34	17:08	17:13
Minimum		9	95	11	0	68
1-minute Values						
Maximum		24	243	29	1	95
		17:28	17:33	17:28	17:16	17:27
Average		14	166	18	0	78
Total		426	4973	526	6	2347
Recovery (%)		100.00	100.00	100.00	100.00	100.00

Run 10 Stack
Run 3 Inlet

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
CHAN UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
FULL SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/21/99 17:08	22	33	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:09	22	33	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:10	22	33	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:11	21	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:12	21	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:13	21	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:14	21	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:15	21	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:16	21	30	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:17	20	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:18	20	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:19	20	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:20	20	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:21	20	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:22	20	31	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:23	24	28	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:24	24	28	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:25	24	28	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:26	24	28	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:27	24	28	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:28	24	28	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:29	23	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:30	23	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:31	23	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:32	23	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:33	23	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:34	23	25	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:35	20	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:36	20	26	0.00	0.000	0.00	0.00	0.00	0.000
06/21/99 17:37	20	26	0.00	0.000	0.00	0.00	0.00	0.000
	17:35	17:29	17:08	17:08	17:08	17:08	17:08	17:08
Minimum	20	25	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values								
Maximum	24	33	0.00	0.000	0.00	0.00	0.00	0.000
	17:23	17:08	17:08	17:08	17:08	17:08	17:08	17:08
Average	22	29	0.00	0.000	0.00	0.00	0.00	0.000
Total	659	862	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Run 4 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted]	CHAN NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
	CHAN UNITS	PPM	%	PPM	%	PPM	PPM	%	%
	FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
	ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
	START / CHANNEL	01	02	03	04	05	06	07	08
06/22/99	07:58	0	11.8	50	7.8	43	107	8.2	11.3
06/22/99	07:59	0	10.9	75	8.7	40	114	9.1	10.4
06/22/99	08:00	0	9.9	102	9.5	33	113	9.7	9.7
06/22/99	08:01	0	9.6	119	9.8	25	108	9.6	9.7
06/22/99	08:02	0	9.2	130	10.1	23	112	10.4	8.9
06/22/99	08:03	0	9.2	146	10.1	16	96	9.8	9.5
06/22/99	08:04	0	9.9	132	9.5	13	90	9.1	10.2
06/22/99	08:05	0	10.7	106	8.7	15	84	8.4	10.9
06/22/99	08:06	0	10.7	101	8.8	24	105	9.3	10.0
06/22/99	08:07	0	9.9	130	9.5	22	119	9.8	9.4
06/22/99	08:08	0	10.0	144	9.4	17	113	9.2	10.0
06/22/99	08:09	0	10.2	137	9.2	18	115	9.2	10.0
06/22/99	08:10	0	10.7	134	8.7	18	95	8.6	10.7
06/22/99	08:11	0	10.2	140	9.1	21	108	9.5	9.6
06/22/99	08:12	0	10.3	152	9.0	15	94	8.6	10.6
06/22/99	08:13	0	11.1	112	8.3	20	86	8.6	10.7
06/22/99	08:14	0	10.3	113	9.1	26	88	9.9	9.3
06/22/99	08:15	0	9.6	140	9.7	19	90	10.2	9.0
06/22/99	08:16	0	9.3	168	9.9	17	89	10.5	8.6
06/22/99	08:17	0	9.4	161	10.0	19	84	10.1	9.1
06/22/99	08:18	0	9.4	134	9.9	20	86	10.7	8.4
06/22/99	08:19	0	8.9	157	10.3	17	84	10.8	8.3
06/22/99	08:20	0	9.0	177	10.2	14	76	10.5	8.5
06/22/99	08:21	0	9.4	177	9.8	12	70	9.8	9.3
06/22/99	08:22	0	10.2	148	9.1	12	63	8.8	10.4
06/22/99	08:23	0	10.8	102	8.6	17	65	9.3	9.9
06/22/99	08:24	0	10.0	140	9.4	20	74	9.7	9.4
06/22/99	08:25	0	10.6	140	8.7	15	59	8.6	10.7
06/22/99	08:26	0	11.0	102	8.4	19	61	9.3	10.0
06/22/99	08:27	0	10.3	108	9.1	22	66	10.2	9.0
		07:58	08:19	07:58	07:58	08:21	08:25	07:58	08:19
Minimum		0	8.9	50	7.8	12	59	8.2	8.3
1-minute Values									
Maximum		0	11.8	177	10.3	43	119	10.8	11.3
		08:15	07:58	08:21	08:19	07:58	08:07	08:19	07:58
Average		0	10.1	129	9.3	20	90	9.5	9.7
Total		0	302.5	3873	278.4	611	2706	285.2	291.3
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Rm 4 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

AN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	07:58	49	75	70	0	153
06/22/99	07:59	44	102	57	0	149
06/22/99	08:00	35	128	42	0	139
06/22/99	08:01	27	145	32	0	133
06/22/99	08:02	27	153	30	0	129
06/22/99	08:03	16	172	19	0	115
06/22/99	08:04	14	165	17	0	116
06/22/99	08:05	16	142	22	0	115
06/22/99	08:06	28	136	35	0	131
06/22/99	08:07	23	161	27	0	142
06/22/99	08:08	17	181	21	0	144
06/22/99	08:09	21	175	26	0	146
06/22/99	08:10	19	181	25	0	127
06/22/99	08:11	24	180	29	0	132
06/22/99	08:12	15	198	19	0	126
06/22/99	08:13	22	158	29	0	116
06/22/99	08:14	28	147	32	0	104
06/22/99	08:15	18	170	21	0	103
06/22/99	08:16	17	199	19	0	100
06/22/99	08:17	18	193	21	0	97
06/22/99	08:18	20	160	22	0	94
06/22/99	08:19	16	180	17	0	91
06/22/99	08:20	14	206	15	0	85
06/22/99	08:21	11	213	13	0	83
06/22/99	08:22	12	191	15	0	82
06/22/99	08:23	21	139	26	0	81
06/22/99	08:24	19	176	23	0	89
06/22/99	08:25	16	187	21	0	79
06/22/99	08:26	23	142	28	0	77
06/22/99	08:27	22	140	25	0	76
		08:21	07:58	08:21	07:58	08:27
Minimum		11	75	13	0	76
1-minute Values						
Maximum		49	213	70	0	153
		07:58	08:21	07:58	07:58	07:58
Average		22	163	26	0	112
Total		649	4890	788	0	3347
Recovery (%)		100.00	100.00	100.00	100.00	100.00

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Stack Run 11
Inlet Run 5

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] N NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] N UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/22/99	08:44	0	10.4	127	9.0	13	59	9.2	10.1
06/22/99	08:45	0	10.0	129	9.3	17	67	9.8	9.3
06/22/99	08:46	0	10.0	127	9.3	16	64	9.5	9.7
06/22/99	08:47	0	10.1	129	9.3	15	65	9.0	10.3
06/22/99	08:48	0	10.4	114	8.9	17	67	9.2	10.0
06/22/99	08:49	0	10.8	110	8.7	17	64	8.7	10.7
06/22/99	08:50	0	10.6	91	8.7	23	70B	9.0B	10.1B
06/22/99	08:51	0	10.3	114	9.1	23	68B	9.2B	10.3B
06/22/99	08:52	0	9.8	143	9.5	20	74<	9.9<	9.4<
06/22/99	08:53	0	9.8	145	9.6	17	76	9.8	9.5
06/22/99	08:54	0	10.5	129	9.0	15	72	9.0	10.3
06/22/99	08:55	0	10.4	116	9.0	20	79	9.6	9.7
06/22/99	08:56	0	10.3	123	9.1	21	73	9.3	10.0
06/22/99	08:57	0	10.0	113	9.4	26	78	10.3	8.9
06/22/99	08:58	0	9.3	151	10.0	20	82	10.9	8.2
06/22/99	08:59	0	9.0	176	10.2	13	81	10.5	8.6
06/22/99	09:00	0	9.4	172	9.9	12	84	9.7	9.5
06/22/99	09:01	0	10.4	121	9.0	14	82	8.5	10.8
06/22/99	09:02	0	11.3	69	8.2	21	84	8.8	10.6
06/22/99	09:03	0	10.1	110	9.4	24	96	9.9	9.4
06/22/99	09:04	0	9.9	141	9.5	14	85	9.3	10.0
06/22/99	09:05	0	10.8	114	8.7	12	79	8.8	10.6
06/22/99	09:06	0	10.6	113	8.9	17	90	9.3	10.1
06/22/99	09:07	0	10.0	128	9.4	18	98	10.1	9.1
06/22/99	09:08	0	9.9	148	9.5	13	91	9.5	9.8
06/22/99	09:09	0	10.5	127	8.9	13	89	8.3	11.0
06/22/99	09:10	0	11.1	90	8.3	19	94	8.7	10.7
06/22/99	09:11	0	10.9	104	8.6	22	97	9.2	10.1
06/22/99	09:12	0	10.1	138	9.3	20	102	9.3	9.9
06/22/99	09:13	0	10.6	130	8.9	16	93	8.7	10.6
06/22/99	09:14	0	10.9	113	8.5	21	95	9.0	10.3
06/22/99	09:15	0	9.8	152	9.5	25	101	9.7	9.5
06/22/99	09:16	0	9.9	166	9.4	17	84	9.1	10.2
06/22/99	09:17	0	10.6	138	8.8	16	79	8.6	10.7
06/22/99	09:18	0	11.4	94	8.1	19	74	8.1	11.4
06/22/99	09:19	0	11.1	87	8.4	30	89	8.9	10.4
06/22/99	09:20	0	11.0	96	8.5	26	76	8.5	10.9
06/22/99	09:21	0	10.6	96	8.8	29	85	9.2	10.1
06/22/99	09:22	0	10.3	121	9.2	26	76	8.8	10.6
06/22/99	09:23	0	10.2	119	9.2	26	79	9.1	10.2
06/22/99	09:24	0	10.3	125	9.1	23	68	9.2	10.1
06/22/99	09:25	0	10.4	112	9.0	26	67	9.3	10.0
06/22/99	09:26	0	10.0	111	9.4	25	68	10.1	9.1
06/22/99	09:27	0	9.0	159	10.3	21	75	10.6	8.6
06/22/99	09:28	0	9.3	154	10.0	17	68	10.2	8.9
06/22/99	09:29	0	9.3	140	10.0	19	73	10.7	8.5
06/22/99	09:30	0	9.4	141	10.0	16	69	10.5	8.7
06/22/99	09:31	0	9.6	140	9.8	17	67	10.3	9.0

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Run 11 Stack
Run 5 Inlet

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/22/99	09:32	0	9.8	106	9.6	23	66	10.3	8.8
06/22/99	09:33	0	9.3	92	9.9	22	73	10.7	8.4
06/22/99	09:34	0	8.9	127	10.3	17	76	11.0	8.1
06/22/99	09:35	0	8.8	161	10.5	14	68	10.7	8.4
06/22/99	09:36	0	9.1	179	10.2	13	61	10.1	9.1
06/22/99	09:37	0	9.9	151	9.5	13	55	9.2	10.1
06/22/99	09:38	0	10.5	112	8.9	15	52	8.9	10.4
06/22/99	09:39	0	10.1	108	9.3	24	62	10.0	9.3
06/22/99	09:40	0	9.6	138	9.8	20	63	9.9	9.3
06/22/99	09:41	0	10.0	137	9.5	16	58	9.7	9.6
06/22/99	09:42	0	10.0	139	9.4	20	64	10.1	9.2
06/22/99	09:43	0	9.7	141	9.7	17	61	10.0	9.2
		08:44	09:35	09:02	09:18	09:00	09:38	09:18	09:34
Minimum		0	8.8	69	8.1	12	52	8.1	8.1
1-minute Values									
Maximum		0	11.4	179	10.5	30	102	11.0	11.4
		08:44	09:18	09:36	09:35	09:19	09:12	09:34	09:18
Average		0	10.1	126	9.3	19	76	9.5	9.7
Total		0	605.3	7589	557.1	1134	4406	552.8	563.6
Recovery (%)		100.00	100.00	100.00	100.00	100.00	96.67	96.67	96.67

Stack 11
Inlet 5

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] NAME	COec	NOXsc	COecc	SO2sc	SO2ec
[redacted] UNITS	PPM	PPM	PPM	PPM	PPM
FULL SCALE	500	1000	1000	500	1000
ZERO OFFSET	0	0	0	0	0
START / CHANNEL	09	10	11	12	13
06/22/99 08:44	12	166	15	0	75
06/22/99 08:45	17	162	20	0	80
06/22/99 08:46	16	161	19	0	79
06/22/99 08:47	15	165	19	0	85
06/22/99 08:48	18	150	22	0	84
06/22/99 08:49	19	148	26	0	87
06/22/99 08:50	28B	122	34B	0	89B
06/22/99 08:51	26B	147	33B	0	89B
06/22/99 08:52	18<	178	21<	0	88<
06/22/99 08:53	16	179	19	0	92
06/22/99 08:54	14	171	17	0	94
06/22/99 08:55	21	152	26	0	96
06/22/99 08:56	22	160	26	0	92
06/22/99 08:57	28	142	32	0	90
06/22/99 08:58	18	178	19	0	89
06/22/99 08:59	11	205	12	0	91
06/22/99 09:00	10	206	12	0	102
06/22/99 09:01	15	159	20	0	112
06/22/99 09:02	25	99	33	0	112
06/22/99 09:03	24	139	27	0	114
06/22/99 09:04	12	177	14	0	107
06/22/99 09:05	13	154	16	0	105
[redacted]22/99 09:06	18	151	22	0	115
[redacted]22/99 09:07	18	161	20	0	114
06/22/99 09:08	11	185	13	0	112
06/22/99 09:09	13	167	18	0	124
06/22/99 09:10	22	126	29	0	126
06/22/99 09:11	25	142	31	0	124
06/22/99 09:12	22	176	26	0	127
06/22/99 09:13	17	173	22	0	124
06/22/99 09:14	26	156	32	0	123
06/22/99 09:15	26	189	31	0	122
06/22/99 09:16	16	208	20	0	107
06/22/99 09:17	16	184	22	0	107
06/22/99 09:18	21	135	30	0	106
06/22/99 09:19	36	120	46	0	117
06/22/99 09:20	29	133	38	0	105
06/22/99 09:21	33	129	42	0	108
06/22/99 09:22	28	157	37	0	101
06/22/99 09:23	31	154	39	0	101
06/22/99 09:24	25	163	31	0	87
06/22/99 09:25	29	148	36	0	84
06/22/99 09:26	26	139	30	0	79
06/22/99 09:27	20	183	21	0	84
06/22/99 09:28	17	182	19	0	78
06/22/99 09:29	18	165	19	0	81
06/22/99 09:30	14	168	15	0	78
06/22/99 09:31	16	170	18	0	77

Stack 11
Inlet 5

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN	NAME	COec	NOXsc	COecc	SO2sc	SO2ec
UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	09:32	24	131	26	0	75
06/22/99	09:33	20	110	22	0	80
06/22/99	09:34	16	145	16	0	81
06/22/99	09:35	13	183	13	0	75
06/22/99	09:36	12	208	14	0	71
06/22/99	09:37	14	188	17	0	70
06/22/99	09:38	19	149	24	0	68
06/22/99	09:39	29	138	34	0	72
06/22/99	09:40	22	167	25	0	74
06/22/99	09:41	17	173	20	0	70
06/22/99	09:42	22	175	25	0	75
06/22/99	09:43	16	173	19	0	71
		09:00	09:02	08:59	08:44	09:38
Minimum		10	99	12	0	68
1-minute Values						
Maximum		36	208	46	0	127
		09:19	09:16	09:19	08:44	09:12
Average		20	160	23	0	94
Total		1136	9610	1362	0	5455
Recovery (%)		96.67	100.00	96.67	100.00	96.67

Stack 11
Inlet 5

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

[redacted] NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
[redacted] UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
FULL SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/22/99 08:44	21	27	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:45	21	27	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:46	21	27	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:47	21	18	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:48	21	18	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:49	21	18	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:50	21	18	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:51	21	18	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:52	21	18	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:53	25	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:54	25	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:55	25	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:56	25	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:57	25	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:58	25	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 08:59	24	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:00	24	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:01	24	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:02	24	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:03	24	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:04	24	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:05	21	21	0.00	0.000	0.00	0.00	0.00	0.000
[redacted]/22/99 09:06	21	21	0.00	0.000	0.00	0.00	0.00	0.000
[redacted]/22/99 09:07	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:08	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:09	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:10	21	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:11	22	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:12	22	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:13	22	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:14	22	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:15	22	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:16	22	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:17	25	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:18	25	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:19	25	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:20	25	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:21	25	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:22	25	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:23	35	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:24	35	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:25	35	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:26	35	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:27	35	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:28	35	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:29	27	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:30	27	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:31	27	19	0.00	0.000	0.00	0.00	0.00	0.000

[redacted]nted 06/22/99 09:55:53 Page 1

Stack 11
Inlet 5

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

N NAME	COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPAR
CHAN UNITS	PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
FULL SCALE	1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET	0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL	01	02	03	04	05	06	07	08
06/22/99 09:32	27	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:33	27	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:34	27	19	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:35	22	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:36	22	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:37	22	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:38	22	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:39	22	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:40	22	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:41	21	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:42	21	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99 09:43	21	26	0.00	0.000	0.00	0.00	0.00	0.000
	08:47	08:47	08:44	08:44	08:44	08:44	08:44	08:44
Minimum	21	18	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values								
Maximum	35	27	0.00	0.000	0.00	0.00	0.00	0.000
	09:23	08:44	08:44	08:44	08:44	08:44	08:44	08:44
Average	24	21	0.00	0.000	0.00	0.00	0.00	0.000
Total	1459	1277	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

nted 06/22/99 09:55:53 Page

Stack Run 12
Inlet Run 6

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] N NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] N UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/22/99	10:04	0	9.9	120	9.3	38	144	9.2	9.9
06/22/99	10:05	0	10.1	135	9.1	22	122	8.5	10.7
06/22/99	10:06	0	11.0	107	8.2	26	112	7.6	11.7
06/22/99	10:07	0	11.4	87	7.9	42	114	8.2	11.1
06/22/99	10:08	0	10.4	119	8.9	42	129	8.4	10.8
06/22/99	10:09	0	11.0	113	8.3	35	107	7.8	11.4
06/22/99	10:10	0	10.9	110	8.4	46	110	8.1	11.1
06/22/99	10:11	0	10.8	116	8.5	49	96	8.2	11.1
06/22/99	10:12	0	10.5	126	8.8	48	93	8.3	11.0
06/22/99	10:13	0	10.8	118	8.6	41	81	8.1	11.1
06/22/99	10:14	0	10.7	118	8.6	46	75	8.5	10.8
06/22/99	10:15	0	10.2	133	9.1	45	76	8.9	10.3
06/22/99	10:16	0	10.1	140	9.2	41	74	8.8	10.4
06/22/99	10:17	0	10.0	135	9.2	36	74	9.3	9.8
06/22/99	10:18	0	9.6	129	9.6	31	80	10.0	9.1
06/22/99	10:19	0	8.7	157	10.3	23	92	10.8	8.0
06/22/99	10:20	0	8.3	191	10.7	18	95	10.9	7.9
06/22/99	10:21	0	8.2	210	10.7	15	89	10.5	8.2
06/22/99	10:22	0	8.7	201	10.2	14	78	10.0	8.7
06/22/99	10:23	0	9.2	177	9.8	13	69	9.3	9.6
06/22/99	10:24	0	10.2	132	8.9	15	60	8.5	10.5
06/22/99	10:25	0	11.0	86	8.2	19	55	7.7	11.5
[redacted]22/99	10:26	0	11.7	59	7.6	25	53	7.6	11.7
[redacted]22/99	10:27	0	11.4	71	7.9	32	63	8.1	11.1
06/22/99	10:28	0	10.8	100	8.5	28	61	8.6	10.5
06/22/99	10:29	0	10.4	117	8.9	26	57	8.9	10.2
06/22/99	10:30	0	10.1	126	9.1	22	56	9.6	9.5
06/22/99	10:31	0	9.4	156	9.7	18	59	9.9	9.1
06/22/99	10:32	0	9.2	171	9.9	15	62	9.8	9.2
06/22/99	10:33	0	9.2	177	10.0	17	62	10.0	9.0
06/22/99	10:34	0	8.9	190	10.2	13	57	10.0	9.0
06/22/99	10:35	1	9.3	186	9.9	12	52	9.2	10.0
06/22/99	10:36	1	10.4	128	8.9	13	46	8.2	11.1
06/22/99	10:37	0	11.3	72	8.1	18	47	8.0	11.2
06/22/99	10:38	0	11.0	71	8.4	30	51	8.6	10.7
06/22/99	10:39	0	10.4	73	8.9	31	48	9.1	10.1
06/22/99	10:40	0	10.2	84	9.1	25	47	9.3	9.9
06/22/99	10:41	0	9.6	131	9.6	21	50	9.6	9.5
06/22/99	10:42	0	9.5	148	9.7	21	53	9.8	9.3
06/22/99	10:43	0	9.3	155	9.8	20	55	10.2	8.8
06/22/99	10:44	0	9.1	155	10.0	19	56	10.8	8.2
06/22/99	10:45	0	8.4	173	10.7	15	58	11.3	7.6
06/22/99	10:46	0	8.1	192	11.0	12	57	11.0	7.9
06/22/99	10:47	0	8.9	177	10.3	12	53	9.9	9.1
06/22/99	10:48	0	9.9	128	9.4	13	47	9.3	9.8
06/22/99	10:49	0	10.6	91	8.7	13	44	8.6	10.6
06/22/99	10:50	0	11.0	64	8.3	15	44B	8.4B	10.6B
06/22/99	10:51	0	11.4	59	8.0	19	44B	8.6B	10.9B

Stack 12
Inlet 6

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN	NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2e
UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/22/99	10:52	0	10.3	105	9.0	18	52<	9.8<	9.4<
06/22/99	10:53	0	10.0	141	9.3	14	46	9.2	10.0
06/22/99	10:54	0	11.2	103	8.3	13	38	8.3	11.0
06/22/99	10:55	0	10.8	98	8.7	19	49	10.4	8.7
06/22/99	10:56	0	9.0	169	10.2	19	58	11.0	8.1
06/22/99	10:57	0	9.3	191	10.0	11	47	9.7	9.4
06/22/99	10:58	0	10.7	141	8.7	10	38	8.5	10.8
06/22/99	10:59	0	11.6	85	7.9	12	33	8.0	11.4
06/22/99	11:00	0	11.5	65	7.9	18	37	8.6	10.8
06/22/99	11:01	0	11.2	87	8.2	18	36	8.7	10.6
06/22/99	11:02	0	11.3	96	8.2	18	37	8.9	10.4
06/22/99	11:03	0	10.7	110	8.7	18	39	9.5	9.7
		10:04	10:46	10:51	10:26	10:58	10:59	10:06	10:45
Minimum		0	8.1	59	7.6	10	33	7.6	7.6
1-minute Values									
Maximum		1	11.7	210	11.0	49	144	11.3	11.7
		10:35	10:26	10:21	10:46	10:11	10:04	10:45	10:06
Average		0	10.1	127	9.1	23	66	9.2	10.0
Total		3	608.2	7598	546.2	1393	3816	531.4	578.0
Recovery (%)		100.00	100.00	100.00	100.00	100.00	96.67	96.67	96.67

Stack 12
Inlet 6

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] NAME		COec	NOXsc	COecc	SO2sc	SO2ec
[redacted] UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	10:04	39	150	48	0	179
06/22/99	10:05	21	172	28	0	163
06/22/99	10:06	31	148	46	0	167
06/22/99	10:07	51	126	72	0	160
06/22/99	10:08	45	156	61	0	176
06/22/99	10:09	40	157	58	0	156
06/22/99	10:10	52	152	73	0	155
06/22/99	10:11	56	159	78	0	135
06/22/99	10:12	54	167	75	0	129
06/22/99	10:13	46	160	64	0	114
06/22/99	10:14	54	159	73	0	101
06/22/99	10:15	50	171	64	0	98
06/22/99	10:16	45	178	59	0	97
06/22/99	10:17	39	170	48	0	92
06/22/99	10:18	32	157	37	0	93
06/22/99	10:19	21	177	22	0	98
06/22/99	10:20	15	209	16	0	100
06/22/99	10:21	12	229	12	0	96
06/22/99	10:22	11	227	12	0	88
06/22/99	10:23	11	208	12	0	83
06/22/99	10:24	13	170	17	0	80
06/22/99	10:25	20	118	29	0	80
[redacted]22/99	10:26	29	88	42	0	78
[redacted]22/99	10:27	36	102	49	0	88
06/22/99	10:28	28	136	37	0	81
06/22/99	10:29	25	153	31	0	73
06/22/99	10:30	21	160	25	0	67
06/22/99	10:31	16	187	18	0	69
06/22/99	10:32	14	202	16	0	72
06/22/99	10:33	16	207	18	0	71
06/22/99	10:34	11	218	12	0	66
06/22/99	10:35	11	222	13	0	65
06/22/99	10:36	14	167	18	0	65
06/22/99	10:37	22	103	30	0	66
06/22/99	10:38	37	99	49	0	68
06/22/99	10:39	36	96	46	0	62
06/22/99	10:40	28	108	34	0	59
06/22/99	10:41	22	160	25	0	61
06/22/99	10:42	21	179	25	0	63
06/22/99	10:43	21	185	23	0	62
06/22/99	10:44	19	181	20	0	60
06/22/99	10:45	13	191	13	0	60
06/22/99	10:46	11	207	11	0	60
06/22/99	10:47	10	202	12	0	62
06/22/99	10:48	13	160	16	0	58
06/22/99	10:49	14	121	18	0	58
06/22/99	10:50	16B	89	21B	0	58B
06/22/99	10:51	18B	84	24B	0	61B

Stack 12
Inlet 6

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	10:52	17<	135	20<	0	62<
06/22/99	10:53	11	179	13	0	58
06/22/99	10:54	11	145	15	0	53
06/22/99	10:55	19	132	21	0	55
06/22/99	10:56	16	195	17	0	63
06/22/99	10:57	10	227	11	0	56
06/22/99	10:58	10	189	13	0	51
06/22/99	10:59	12	125	17	0	47
06/22/99	11:00	19	94	25	0	49
06/22/99	11:01	18	124	24	0	48
06/22/99	11:02	16	136	20	0	48
06/22/99	11:03	17	149	21	0	48
		10:58	10:51	10:46	10:04	10:59
Minimum		10	84	11	0	47
1-minute Values						
Maximum		56	229	78	0	179
		10:11	10:21	10:11	10:04	10:04
Average		25	159	31	0	84
Total		1422	9541	1807	0	4859
Recovery (%)		96.67	100.00	96.67	100.00	96.67

Stack 12
Inlet 6

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME		COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
[redacted] UNITS		PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
[redacted] SCALE		1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET		0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL		01	02	03	04	05	06	07	08
06/22/99	10:04	60	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:05	43	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:06	43	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:07	43	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:08	43	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:09	43	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:10	43	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:11	56	17	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:12	56	17	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:13	56	17	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:14	56	17	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:15	56	17	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:16	56	17	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:17	56	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:18	56	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:19	56	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:20	56	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:21	56	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:22	56	26	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:23	21	25	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:24	21	25	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:25	21	25	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:26	21	25	0.00	0.000	0.00	0.00	0.00	0.000
[redacted]22/99	10:27	21	25	0.00	0.000	0.00	0.00	0.00	0.000
[redacted]22/99	10:28	21	25	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:29	33	23	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:30	33	23	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:31	33	23	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:32	33	23	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:33	33	23	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:34	33	23	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:35	19	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:36	19	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:37	19	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:38	19	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:39	19	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:40	19	22	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:41	31	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:42	31	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:43	31	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:44	31	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:45	31	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:46	31	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:47	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:48	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:49	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:50	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:51	19	21	0.00	0.000	0.00	0.00	0.00	0.000

Printed 06/22/99 11:08:02

Stack 12
Inlet 6

DATA LISTING

NAME: CO TEST LOCATION: COMPUTED CHANNEL STATION ID: 18

CHAN NAME		COsc1	COsk2	SPARE	SPARE	SPARE	SPARE	SPARE	SPAR
CHAN UNITS		PPMc	PPMc	NONE	NONE	NONE	NONE	NONE	none
FULL SCALE		1000	1000	1.00	1.000	1.00	1.00	1.00	1.000
ZERO OFFSET		0	0	0.00	0.000	0.00	0.00	0.00	0.000
START / CHANNEL		01	02	03	04	05	06	07	08
06/22/99	10:52	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:53	20	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:54	20	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:55	20	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:56	20	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:57	20	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:58	20	20	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	10:59	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	11:00	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	11:01	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	11:02	19	21	0.00	0.000	0.00	0.00	0.00	0.000
06/22/99	11:03	19	21	0.00	0.000	0.00	0.00	0.00	0.000
		10:59	10:11	10:04	10:04	10:04	10:04	10:04	10:04
Minimum		19	17	0.00	0.000	0.00	0.00	0.00	0.000
1-minute Values									
Maximum		60	26	0.00	0.000	0.00	0.00	0.00	0.000
		10:04	10:17	10:04	10:04	10:04	10:04	10:04	10:04
Average		32	22	0.00	0.000	0.00	0.00	0.00	0.000
Total		1946	1299	0.00	0.000	0.00	0.00	0.00	0.000
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Inlet Run 7

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/22/99 11:20	0	10.2	144	9.2	12	59	9.4	9.9
06/22/99 11:21	0	10.5	114	8.9	13	69	9.0	10.3
06/22/99 11:22	0	11.0	96	8.5	19	76	8.8	10.6
06/22/99 11:23	0	10.6	106	8.9	23	82	9.8	9.5
06/22/99 11:24	0	9.2	144	10.2	23	88	10.8	8.4
06/22/99 11:25	0	9.5	173	9.9	14	69	9.3	10.0
06/22/99 11:26	0	10.3	143	9.2	13	69	9.0	10.3
06/22/99 11:27	0	10.6	124	8.9	17	77	8.5	10.8
06/22/99 11:28	0	10.8	100	8.7	22	84	9.0	10.4
06/22/99 11:29	0	10.7	113	8.8	26	85	9.1	10.3
06/22/99 11:30	0	10.8	95	8.8	26	81	9.2	10.1
06/22/99 11:31	0	10.7	93	8.8	26	82	9.5	9.8
06/22/99 11:32	0	10.7	88	8.9	25	77	9.2	10.2
06/22/99 11:33	0	10.6	92	9.0	24	75	9.7	9.6
06/22/99 11:34	0	10.1	121	9.4	20	77	10.2	9.1
06/22/99 11:35	0	9.4	152	10.0	21	87	10.9	8.3
06/22/99 11:36	0	9.1	173	10.3	18	89	10.9	8.2
06/22/99 11:37	0	8.3	197	11.0	13	101	12.1	6.8
06/22/99 11:38	0	7.4	264	11.8	13	128	12.8	6.1
06/22/99 11:39	1	7.0	292	12.1	14	142	12.2	6.7
06/22/99 11:40	1	7.9	260	11.3	13	124	11.0	8.1
06/22/99 11:41	1	8.9	205	10.5	13	109	10.1	9.1
[redacted]22/99 11:42	1	9.9	158	9.5	12	94	8.9	10.5
[redacted]22/99 11:43	0	11.0	86	8.5	14	83	8.3	11.1
06/22/99 11:44	0	11.6	53	8.0	17	76	7.7	11.8
06/22/99 11:45	0	12.0	44	7.6	21	79	8.1	11.4
06/22/99 11:46	0	11.2	75	8.4	23	89	9.3	10.0
06/22/99 11:47	0	9.7	155	9.7	22	94	10.4	8.8
06/22/99 11:48	1	9.6	177	9.8	14	85	9.7	9.6
06/22/99 11:49	1	10.6	137	8.9	15	74	8.7	10.7
	11:20	11:39	11:45	11:45	11:20	11:20	11:44	11:38
Minimum 1-minute Values	0	7.0	44	7.6	12	59	7.7	6.1
Maximum	1	12.0	292	12.1	26	142	12.8	11.8
	11:40	11:45	11:39	11:39	11:29	11:39	11:38	11:44
Average	0	10.0	139	9.4	18	87	9.7	9.5
Total	5	299.7	4169	283.3	544	2597	291.5	286.2
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Inlet 7

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	11:20	12	186	14	0	74
06/22/99	11:21	13	151	16	0	90
06/22/99	11:22	20	133	25	0	101
06/22/99	11:23	26	142	30	0	98
06/22/99	11:24	25	169	26	0	97
06/22/99	11:25	15	210	18	0	87
06/22/99	11:26	16	185	20	0	90
06/22/99	11:27	22	165	29	0	106
06/22/99	11:28	28	137	36	0	110
06/22/99	11:29	31	151	38	0	110
06/22/99	11:30	29	129	37	0	104
06/22/99	11:31	28	125	34	0	101
06/22/99	11:32	26	118	32	0	99
06/22/99	11:33	23	121	28	0	91
06/22/99	11:34	20	154	22	0	90
06/22/99	11:35	20	182	22	0	94
06/22/99	11:36	16	202	17	0	96
06/22/99	11:37	12	216	11	0	99
06/22/99	11:38	12	269	10	0	119
06/22/99	11:39	12	290	11	0	138
06/22/99	11:40	12	276	13	0	133
06/22/99	11:41	13	235	14	0	128
06/22/99	11:42	13	197	16	0	124
06/22/99	11:43	16	119	22	0	116
06/22/99	11:44	20	78	30	0	115
06/22/99	11:45	26	69	37	0	115
06/22/99	11:46	26	105	32	0	112
06/22/99	11:47	23	191	26	0	107
06/22/99	11:48	13	216	15	0	102
06/22/99	11:49	14	183	18	0	99
		11:20	11:45	11:38	11:20	11:20
Minimum		12	69	10	0	74
1-minute Values						
Maximum		31	290	38	0	138
		11:29	11:39	11:29	11:20	11:39
Average		19	170	23	0	105
Total		576	5096	691	0	3137
Recovery (%)		100.00	100.00	100.00	100.00	100.00

Inlet Run 8

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/22/99 12:03	1	10.7	121	8.8	15	62	8.2	11.3
06/22/99 12:04	1	11.2	86	8.3	21	61	8.3	11.2
06/22/99 12:05	1	10.8	94	8.7	25	64	9.3	10.1
06/22/99 12:06	2	10.2	109	9.3	25	67	9.9	9.4
06/22/99 12:07	1	9.6	114	9.8	20	72	10.4	8.9
06/22/99 12:08	1	9.2	143	10.1	18	67	10.5	8.8
06/22/99 12:09	1	9.2	140	10.2	18	63	10.7	8.5
06/22/99 12:10	1	8.9	139	10.5	19	64	11.3	7.9
06/22/99 12:11	1	8.5	178	10.8	14	63	11.3	7.9
06/22/99 12:12	1	8.7	204	10.7	13	60	10.6	8.6
06/22/99 12:13	1	9.2	186	10.1	15	55	10.2	9.1
06/22/99 12:14	1	9.7	163	9.8	17	51	9.5	9.8
06/22/99 12:15	1	10.5	113	9.1	20	47	8.7	10.7
06/22/99 12:16	1	11.1	74	8.5	24	45	8.6	10.8
06/22/99 12:17	1	10.6	81	8.9	30	49	9.2	10.2
06/22/99 12:18	1	10.5	87	9.0	25	48	9.4	9.9
06/22/99 12:19	1	10.2	96	9.3	25	48	9.8	9.5
06/22/99 12:20	1	10.3	95	9.3	32	43	9.4	10.0
06/22/99 12:21	1	10.3	88	9.2	32	41	9.8	9.5
06/22/99 12:22	1	9.9	109	9.6	29	44	10.1	9.3
06/22/99 12:23	1	9.8	139	9.7	24	46	9.8	9.6
06/22/99 12:24	1	9.7	147	9.8	23	48	10.3	9.0
[redacted]/99 12:25	1	9.3	175	10.1	24	55	10.4	8.9
[redacted]/99 12:26	1	9.2	178	10.1	24	61	10.6	8.7
06/22/99 12:27	1	8.9	193	10.5	22	66	11.2	8.0
06/22/99 12:28	2	8.2	244	11.1	20	74	11.4	7.7
06/22/99 12:29	2	8.6	230	10.8	17	68	10.7	8.6
06/22/99 12:30	2	9.5	179	9.9	15	63	9.8	9.5
06/22/99 12:31	2	10.3	130	9.2	17	58	9.1	10.3
06/22/99 12:32	1	10.7	94	8.8	20	65	9.3	10.1
	12:17	12:28	12:16	12:04	12:12	12:21	12:03	12:28
Minimum	1	8.2	74	8.3	13	41	8.2	7.7
1-minute Values								
Maximum	2	11.2	244	11.1	32	74	11.4	11.3
"	12:29	12:04	12:28	12:28	12:21	12:28	12:28	12:03
Average	1	9.8	138	9.7	21	57	9.9	9.4
Total	31	293.5	4127	289.8	638	1713	297.6	281.4
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Inlet 8

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	12:03	17	164	23	1	88
06/22/99	12:04	26	122	36	1	87
06/22/99	12:05	31	129	39	1	81
06/22/99	12:06	29	141	34	1	80
06/22/99	12:07	20	139	22	1	82
06/22/99	12:08	18	167	20	1	76
06/22/99	12:09	20	164	21	1	70
06/22/99	12:10	18	159	19	1	67
06/22/99	12:11	13	199	13	0	67
06/22/99	12:12	12	230	13	1	67
06/22/99	12:13	14	220	16	1	64
06/22/99	12:14	16	200	19	1	63
06/22/99	12:15	20	148	27	1	63
06/22/99	12:16	29	103	39	0	61
06/22/99	12:17	34	109	42	0	62
06/22/99	12:18	26	114	32	0	60
06/22/99	12:19	24	124	28	0	58
06/22/99	12:20	30	122	38	0	55
06/22/99	12:21	30	114	36	0	49
06/22/99	12:22	26	137	31	0	52
06/22/99	12:23	22	173	26	0	56
06/22/99	12:24	22	182	25	0	56
06/22/99	12:25	23	208	26	0	63
06/22/99	12:26	23	211	25	0	69
06/22/99	12:27	20	222	21	1	70
06/22/99	12:28	18	264	18	1	77
06/22/99	12:29	15	258	16	1	76
06/22/99	12:30	14	216	16	1	76
06/22/99	12:31	17	169	21	1	75
06/22/99	12:32	19	127	24	1	82
		12:12	12:16	12:11	12:11	12:21
Minimum		12	103	13	0	49
1-minute Values						
Maximum		34	264	42	1	88
		12:17	12:28	12:17	12:29	12:03
Average		21	168	25	1	68
Total		642	5029	756	18	2043
Recovery (%)		100.00	100.00	100.00	100.00	100.00

Inlet Run 9

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/22/99 12:47	1	8.9	204	10.4	8	65	10.5	8.7
06/22/99 12:48	1	9.6	166	9.8	9	60	9.9	9.4
06/22/99 12:49	1	10.4	126	9.1	8	54	9.0	10.4
06/22/99 12:50	1	11.2	72	8.3	10	52B	8.3B	10.9B
06/22/99 12:51	0	11.7	50	7.9	15	51B	8.3B	11.3B
06/22/99 12:52	1	11.1	82	8.5	17	58<	9.2<	10.2<
06/22/99 12:53	0	10.6	108	8.9	18	59	9.5	9.8
06/22/99 12:54	1	10.3	134	9.3	17	56	9.8	9.5
06/22/99 12:55	1	10.1	145	9.4	15	55	10.2	9.0
06/22/99 12:56	1	9.6	162	9.8	12	55	10.3	9.0
06/22/99 12:57	1	9.3	165	10.1	14	58	10.7	8.5
06/22/99 12:58	1	9.2	164	10.1	14	54	10.4	8.7
06/22/99 12:59	1	9.7	163	9.7	11	48	9.5	9.8
06/22/99 13:00	1	10.5	124	9.0	11	44	8.8	10.6
06/22/99 13:01	Miss	Miss	Miss	Miss	Miss	Miss	Miss	Miss
06/22/99 13:02	1	10.6	118	8.9	11	50	9.2	10.1
06/22/99 13:03	1	10.2	131	9.2	11	54	9.7	9.5
06/22/99 13:04	1	10.0	148	9.4	10	55	9.7	9.6
06/22/99 13:05	1	10.4	133	9.1	10	47	9.0	10.3
06/22/99 13:06	1	10.8	104	8.7	10	47	8.7	10.7
06/22/99 13:07	0	11.1	87	8.4	13	48	8.9	10.4
06/22/99 13:08	1	10.6	99	8.9	16	49	9.6	9.7
[redacted]22/99 13:09	1	9.9	134	9.5	14	51	10.3	8.9
[redacted]22/99 13:10	1	9.2	163	10.1	13	54	10.8	8.4
06/22/99 13:11	1	9.2	179	10.2	11	54	10.4	8.8
06/22/99 13:12	2	9.8	170	9.7	10	46	9.5	9.8
06/22/99 13:13	2	10.7	119	8.9	10	41	8.7	10.6
06/22/99 13:14	2	10.9	83	8.6	14	44	9.2	10.1
06/22/99 13:15	2	10.4	109	9.1	17	49	9.6	9.7
06/22/99 13:16	3	9.8	138	9.6	18	52	10.1	9.1
	12:51	12:47	12:51	12:51	12:47	13:13	13:06	13:10
Minimum	0	8.9	50	7.9	8	41	8.7	8.4
1-minute Values								
Maximum	3	11.7	204	10.4	18	65	10.8	10.7
	13:16	12:51	12:47	12:47	13:16	12:47	13:10	13:06
Average	1	10.2	130	9.3	13	52	9.7	9.6
Total	31	295.3	3777	268.4	365	1399	260.8	259.3
Recovery (%)	96.67	96.67	96.67	96.67	96.67	90.00	90.00	90.00

Inlet 9

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN	NAME	COec	NOXsc	COecc	SO2sc	SO2ec
	UNITS	PPM	PPM	PPM	PPM	PPM
	FULL SCALE	500	1000	1000	500	1000
	ZERO OFFSET	0	0	0	0	0
	START / CHANNEL	09	10	11	12	13
06/22/99	12:47	7	235	7	1	73
06/22/99	12:48	7	202	8	1	71
06/22/99	12:49	7	164	8	1	70
06/22/99	12:50	8B	102	10B	0	70B
06/22/99	12:51	12B	74	16B	0	74B
06/22/99	12:52	15<	114	19<	0	74<
06/22/99	12:53	15	143	19	0	73
06/22/99	12:54	16	174	19	0	68
06/22/99	12:55	13	184	15	0	64
06/22/99	12:56	10	197	11	1	64
06/22/99	12:57	13	196	14	1	64
06/22/99	12:58	11	193	11	1	61
06/22/99	12:59	9	200	10	1	59
06/22/99	13:00	10	164	13	1	58
06/22/99	13:01	Miss	Miss	Miss	Miss	Miss
06/22/99	13:02	Miss	Miss	Miss	Miss	Miss
06/22/99	13:03	10	169	11	0	65
06/22/99	13:04	8	186	9	0	66
06/22/99	13:05	7	175	9	0	60
06/22/99	13:06	9	143	11	0	63
06/22/99	13:07	14	122	18	0	62
06/22/99	13:08	15	132	18	0	60
06/22/99	13:09	12	167	14	1	58
06/22/99	13:10	11	192	12	1	59
06/22/99	13:11	9	210	9	1	61
06/22/99	13:12	8	211	9	1	57
06/22/99	13:13	9	159	12	2	54
06/22/99	13:14	14	114	18	2	55
06/22/99	13:15	17	142	21	2	60
06/22/99	13:16	18	171	21	2	59
		12:49	12:51	12:47	12:51	13:13
Minimum		7	74	7	0	54
1-minute Values						
Maximum		18	235	21	2	74
		13:16	12:47	13:15	13:15	12:52
Average		11	165	13	1	63
Total		295	4629	339	19	1632
Recovery (%)		86.67	93.33	86.67	93.33	86.67

Inlet Run 10

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] N NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] N UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/22/99	13:29	2	9.4	167	10.0	11	69	10.1	9.1
06/22/99	13:30	2	9.9	133	9.5	9	69	9.4	9.9
06/22/99	13:31	1	10.7	90	8.8	11	69	8.7	10.7
06/22/99	13:32	1	11.0	70	8.5	18	74	9.0	10.4
06/22/99	13:33	1	10.4	94	9.1	20	81	9.6	9.7
06/22/99	13:34	1	10.1	113	9.3	19	78	9.7	9.6
06/22/99	13:35	2	10.8	86	8.8	25	68	8.8	10.6
06/22/99	13:36	1	11.2	66	8.4	26	59	8.9	10.5
06/22/99	13:37	1	10.8	81	8.7	22	58	9.2	10.2
06/22/99	13:38	1	10.7	93	8.8	21	53	9.2	10.2
06/22/99	13:39	1	10.3	116	9.1	18	57	9.8	9.4
06/22/99	13:40	1	9.6	157	9.7	16	60	10.3	8.8
06/22/99	13:41	2	9.0	181	10.2	15	64	10.7	8.5
06/22/99	13:42	2	9.1	166	10.1	14	63	10.8	8.3
06/22/99	13:43	3	8.5	187	10.7	12	66	10.8	8.2
06/22/99	13:44	4	8.5	193	10.7	10	64	11.0	7.9
06/22/99	13:45	4	8.4	212	10.8	9	68	11.1	7.9
06/22/99	13:46	4	8.8	216	10.5	8	64	10.3	8.8
06/22/99	13:47	4	9.5	181	9.8	9	59	9.5	9.6
06/22/99	13:48	4	10.2	133	9.2	9	53	8.9	10.3
06/22/99	13:49	3	11.0	94	8.5	9	51	8.5	10.8
06/22/99	13:50	2	10.6	91	8.7	11	61B	9.2B	9.7B
[redacted]22/99	13:51	2	10.7	113	8.8	10	58B	8.9B	10.6B
[redacted]22/99	13:52	2	10.7	109	8.8	12	67<	10.5<	8.6<
06/22/99	13:53	2	9.9	152	9.4	14	63	10.2	8.9
06/22/99	13:54	2	10.1	156	9.3	10	55	9.7	9.5
06/22/99	13:55	2	11.0	113	8.5	10	52	8.9	10.3
06/22/99	13:56	1	10.8	98	8.6	13	62	9.9	9.3
06/22/99	13:57	1	9.8	152	9.5	12	69	10.0	9.1
06/22/99	13:58	1	10.2	149	9.2	10	63	9.4	9.9
		13:32	13:45	13:36	13:36	13:46	13:49	13:49	13:45
Minimum		1	8.4	66	8.4	8	51	8.5	7.9
1-minute Values									
Maximum		4	11.2	216	10.8	26	81	11.1	10.8
"		13:47	13:36	13:46	13:45	13:36	13:33	13:45	13:49
Average		2	10.1	132	9.3	14	63	9.7	9.5
Total		60	301.7	3958	279.7	410	1772	272.8	265.2
Recovery (%)		100.00	100.00	100.00	100.00	100.00	93.33	93.33	93.33

Inlet 10

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	13:29	10	200	11	1	80
06/22/99	13:30	8	167	9	1	87
06/22/99	13:31	12	122	16	1	92
06/22/99	13:32	22	98	28	1	97
06/22/99	13:33	20	123	25	1	99
06/22/99	13:34	18	145	21	1	95
06/22/99	13:35	24	115	32	1	91
06/22/99	13:36	27	93	34	1	79
06/22/99	13:37	22	110	28	1	74
06/22/99	13:38	21	124	26	1	68
06/22/99	13:39	18	150	21	1	67
06/22/99	13:40	15	192	16	1	68
06/22/99	13:41	15	210	15	2	70
06/22/99	13:42	13	194	14	2	68
06/22/99	13:43	11	208	12	3	72
06/22/99	13:44	9	215	9	3	68
06/22/99	13:45	8	234	8	3	72
06/22/99	13:46	8	245	8	3	72
06/22/99	13:47	8	218	9	3	72
06/22/99	13:48	8	172	10	3	69
06/22/99	13:49	9	130	12	3	70
06/22/99	13:50	11B	121	13B	2	75B
06/22/99	13:51	11B	152	14B	2	79B
06/22/99	13:52	15<	147	17<	2	75<
06/22/99	13:53	12	190	13	1	72
06/22/99	13:54	8	199	9	1	67
06/22/99	13:55	8	157	10	1	67
06/22/99	13:56	12	133	13	1	73
06/22/99	13:57	10	189	11	1	80
06/22/99	13:58	8	192	9	1	78
		13:54	13:36	13:45	13:29	13:54
Minimum		8	93	8	1	67
1-minute Values						
Maximum		27	245	34	3	99
		13:36	13:46	13:36	13:44	13:33
Average		14	165	16	2	76
Total		378	4937	438	47	2135
Recovery (%)		93.33	100.00	93.33	100.00	93.33

Inlet Rate 11

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/22/99 14:09	1	9.7	163	9.7	11	57	9.9	9.4
06/22/99 14:10	1	10.3	153	9.3	9	49	9.0	10.4
06/22/99 14:11	1	10.7	110	8.8	11	52	9.2	10.1
06/22/99 14:12	1	10.7	106	8.9	11	54	8.9	10.5
06/22/99 14:13	1	10.4	98	9.1	15	63	9.6	9.8
06/22/99 14:14	1	9.9	134	9.5	12	57	9.9	9.3
06/22/99 14:15	1	10.3	131	9.2	10	51	9.2	10.1
06/22/99 14:16	0	11.0	89	8.5	11	49	8.9	10.5
06/22/99 14:17	0	10.8	98	8.8	14	54	9.5	9.8
06/22/99 14:18	0	10.2	126	9.3	14	51	10.4	8.8
06/22/99 14:19	0	9.5	176	9.9	10	49	10.4	8.8
06/22/99 14:20	0	10.3	156	9.2	9	40	9.3	10.0
06/22/99 14:21	0	10.6	109	9.0	12	41	9.5	9.8
06/22/99 14:22	0	10.2	119	9.3	12	39	9.6	9.8
06/22/99 14:23	0	10.3	111	9.3	13	38	9.7	9.7
06/22/99 14:24	0	9.5	139	9.9	14	42	10.3	9.0
06/22/99 14:25	0	9.8	137	9.7	10	41	9.8	9.6
06/22/99 14:26	0	10.6	104	8.9	10	40	8.8	10.7
06/22/99 14:27	0	10.9	82	8.7	15	41	9.3	10.1
06/22/99 14:28	0	10.3	112	9.2	18	41	9.8	9.5
06/22/99 14:29	0	9.6	143	9.9	16	42	10.4	9.0
06/22/99 14:30	0	9.7	143	9.8	12	40	9.9	9.5
[redacted]22/99 14:31	0	10.1	135	9.4	10	33	9.2	10.1
[redacted]22/99 14:32	0	10.8	104	8.8	11	30	8.5	10.9
06/22/99 14:33	0	10.9	86	8.6	16	32	9.1	10.2
06/22/99 14:34	0	10.1	124	9.3	19	34	9.5	9.8
06/22/99 14:35	0	10.0	138	9.4	14	32	9.6	9.7
06/22/99 14:36	0	10.4	138	9.1	11	29	8.7	10.7
06/22/99 14:37	0	11.1	98	8.5	12	30	8.9	10.4
06/22/99 14:38	0	10.4	116	9.0	17	34	9.8	9.4
	14:21	14:19	14:27	14:37	14:20	14:36	14:32	14:19
Minimum	0	9.5	82	8.5	9	29	8.5	8.8
1-minute Values								
Maximum	1	11.1	176	9.9	19	63	10.4	10.9
	14:10	14:37	14:19	14:19	14:34	14:13	14:19	14:32
Average	0	10.3	122	9.2	12	43	9.5	9.8
Total	8	308.9	3672	275.8	374	1279	284.7	295.4
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Inlet 11

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

N NAME		COec	NOXsc	COecc	SO2sc	SO2ec
CHAN UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	14:09	10	201	12	0	68
06/22/99	14:10	9	197	11	1	64
06/22/99	14:11	12	148	15	0	66
06/22/99	14:12	13	143	16	0	71
06/22/99	14:13	16	128	20	0	78
06/22/99	14:14	11	167	13	1	67
06/22/99	14:15	8	170	9	0	65
06/22/99	14:16	11	124	14	0	65
06/22/99	14:17	13	132	16	0	66
06/22/99	14:18	12	163	13	0	57
06/22/99	14:19	8	213	9	0	55
06/22/99	14:20	7	202	7	0	50
06/22/99	14:21	10	145	11	0	50
06/22/99	14:22	10	154	12	0	49
06/22/99	14:23	12	143	14	0	47
06/22/99	14:24	14	169	16	0	48
06/22/99	14:25	9	171	10	0	50
06/22/99	14:26	10	139	12	0	52
06/22/99	14:27	16	112	20	0	52
06/22/99	14:28	17	145	20	0	49
06/22/99	14:29	15	174	17	0	48
06/22/99	14:30	10	175	11	0	48
06/22/99	14:31	9	172	11	0	42
06/22/99	14:32	11	140	15	0	40
06/22/99	14:33	17	118	22	0	41
06/22/99	14:34	19	158	23	0	42
06/22/99	14:35	14	175	16	0	39
06/22/99	14:36	11	181	13	0	39
06/22/99	14:37	12	136	15	0	38
06/22/99	14:38	15	152	17	0	40
		14:20	14:27	14:20	14:12	14:37
Minimum		7	112	7	0	38
1-minute Values						
Maximum		19	213	23	1	78
		14:34	14:19	14:34	14:10	14:13
Average		12	158	14	0	53
Total		360	4740	422	2	1578
Recovery (%)		100.00	100.00	100.00	100.00	100.00

Inlet Run 12

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

[redacted] N NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] N UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/22/99	14:51	0	11.5	81	8.0	12	23B	8.1B	11.4B
06/22/99	14:52	0	11.6	52	7.9	17	29<	10.0<	9.2<
06/22/99	14:53	0	9.9	122	9.5	15	37	10.6	8.5
06/22/99	14:54	0	9.8	152	9.6	13	38	9.7	9.5
06/22/99	14:55	0	10.3	130	9.1	10	27	9.3	10.0
06/22/99	14:56	0	10.8	105	8.7	10	25	9.1	10.1
06/22/99	14:57	0	10.3	127	9.0	14	29	9.5	9.7
06/22/99	14:58	0	10.6	131	8.8	12	27	9.2	10.0
06/22/99	14:59	0	10.9	124	8.6	10	26	9.2	10.1
06/22/99	15:00	0	10.4	134	9.0	14	32	9.9	9.2
06/22/99	15:01	0	9.7	174	9.6	12	41	10.2	8.8
06/22/99	15:02	0	9.9	177	9.4	9	38	9.3	9.9
06/22/99	15:03	0	11.0	116	8.4	8	34	8.2	11.1
06/22/99	15:04	0	11.8	58	7.7	12	34	8.3	11.0
06/22/99	15:05	0	10.7	93	8.8	18	42	10.2	9.0
06/22/99	15:06	0	9.6	154	9.7	13	51	10.7	8.5
06/22/99	15:07	0	9.7	173	9.7	9	62	10.3	8.9
06/22/99	15:08	0	10.4	143	9.1	9	65	9.4	9.9
06/22/99	15:09	0	11.2	99	8.3	11	57	9.0	10.3
06/22/99	15:10	0	10.9	100	8.6	16	58	9.7	9.6
06/22/99	15:11	0	10.2	146	9.3	16	67	10.2	9.0
06/22/99	15:12	0	10.0	151	9.4	13	62	10.1	9.1
[redacted]22/99	15:13	0	10.4	133	9.0	12	57	9.4	9.9
[redacted]22/99	15:14	0	11.1	81	8.4	15	62	9.2	10.1
06/22/99	15:15	0	10.4	100	9.0	20	62	10.2	9.1
06/22/99	15:16	0	9.9	140	9.5	16	67	10.2	9.0
06/22/99	15:17	0	10.5	141	8.9	12	50	9.1	10.2
06/22/99	15:18	0	10.8	105	8.7	18	52	10.4	8.9
06/22/99	15:19	0	9.7	150	9.6	15	55	10.3	8.9
06/22/99	15:20	0	10.2	150	9.2	12	46	9.2	10.1
		14:51	15:06	14:52	15:04	15:03	14:56	15:03	15:06
Minimum		0	9.6	52	7.7	8	25	8.2	8.5
1-minute Values									
Maximum		0	11.8	177	9.7	20	67	10.7	11.1
"		14:51	15:04	15:02	15:06	15:15	15:16	15:06	15:03
Average		0	10.5	125	8.9	13	46	9.7	9.6
Total		0	314.1	3739	268.4	390	1324	279.9	277.5
Recovery (%)		100.00	100.00	100.00	100.00	100.00	96.67	96.67	96.67

Inlet 12

DATA LISTING

NAME: UNIT-1 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 19

CHAN	NAME	COec	NOXsc	COecc	SO2sc	SO2ec
UNITS		PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000
ZERO OFFSET		0	0	0	0	0
START / CHANNEL		09	10	11	12	13
06/22/99	14:51	9B	117	12B	0	34B
06/22/99	14:52	18<	76	21<	0	34<
06/22/99	14:53	14	151	15	0	41
06/22/99	14:54	12	187	13	0	45
06/22/99	14:55	9	169	11	0	33
06/22/99	14:56	9	142	10	0	32
06/22/99	14:57	13	165	15	0	35
06/22/99	14:58	9	176	11	0	34
06/22/99	14:59	9	169	10	0	32
06/22/99	15:00	12	175	14	0	37
06/22/99	15:01	9	214	10	0	47
06/22/99	15:02	6	223	7	0	47
06/22/99	15:03	7	161	9	0	46
06/22/99	15:04	12	87	16	0	46
06/22/99	15:05	16	123	18	0	48
06/22/99	15:06	10	189	10	0	56
06/22/99	15:07	6	214	6	0	71
06/22/99	15:08	7	187	7	0	81
06/22/99	15:09	9	141	11	0	73
06/22/99	15:10	13	138	15	0	70
06/22/99	15:11	13	187	15	0	78
06/22/99	15:12	10	191	11	0	72
06/22/99	15:13	10	175	11	0	72
06/22/99	15:14	13	113	15	0	79
06/22/99	15:15	16	131	19	0	72
06/22/99	15:16	12	176	14	0	77
06/22/99	15:17	9	187	11	0	63
06/22/99	15:18	15	143	16	0	59
06/22/99	15:19	12	186	14	0	63
06/22/99	15:20	10	193	12	0	58
		15:02	14:52	15:07	14:51	14:56
Minimum		6	76	6	0	32
1-minute Values						
Maximum		18	223	21	0	81
		14:52	15:02	14:52	14:51	15:08
Average		11	163	12	0	55
Total		316	4878	360	0	1595
Recovery (%)		96.67	100.00	96.67	100.00	96.67

APPENDIX D

OMS - LEE - RELATIVE ACCURACY TEST AUDIT DATA

2.0 UNIT NO. 2

Client Name:	OGDEN MARTIN SYSTEM	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	06/23/99
City, State:	FORT MYERS, FL	Facility ID:	0
Test Location:	UNIT 2 INLET	Equipment: ID:	0

FACILITY CEMS DATA SUMMARY

Run No.	Time (hh:mm)	SO2 (ppm@7%O2)	CO (ppm@7%O2)	O2 (%)	CO2 (%)
1	0853-0952	99.00	26.0	9.90	9.8
2	1036-1105	66.00	19.0	9.80	9.9
3	1121-1220	98.00	24.0	9.80	9.9
4	1239-1338	121.00	25.0	10.10	9.5
5	1358-1427	74.00	19.0	10.10	9.4
6	1444-1543	82.00	18.0	10.20	9.4
7	1600-1629	121.00	18.0	10.10	9.5
8	1643-1712	84.00	18.0	10.10	9.5
9	1729-1758	64.00	21.0	10.40	9.2
10	1812-1841	77.00	19.0	10.10	9.4
11	0				
12	0				
	Average	88.60	20.70	10.06	9.55

Client Name:	OGDEN MARTIN SYSTEMS	Job Number:	10558
Plant Name:	OMS LEE	Test Date:	06/23/99
City, State:	FORT MYERS, FL	Facility ID:	NA
Test Location:	UNIT 2 STACK	Equipment: ID:	NA

FACILITY CEMS DATA SUMMARY

Run No.	Time (hh:mm)	SO2 (ppm@7%O2)	NOx (ppm@7%O2)	CO (ppm@7%O2)	O2 (%)	CO2 (%)
1	0853-0952	28.00	163.00	27.0	10.40	9.1
2	1036-1105	5.00	170.00	22.0	10.30	9.2
3	1121-1220	13.00	165.00	25.0	10.30	9.2
4	1239-1338	15.00	171.00	23.0	10.30	9.1
5	1358-1427	11.00	151.00	21.0	10.50	8.8
6	1444-1543	10.00	168.00	18.0	10.50	8.9
7	1600-1629	17.00	160.00	18.0	10.30	9.1
8	1643-1712	10.00	168.00	18.0	10.30	9.1
9	1729-1758	8.00	163.00	21.0	10.30	9.0
10	1812-1841	10.00	167.00	19.0	10.30	9.1
11	0					
12	0					
	Average	12.70	164.60	21.20	10.35	9.06

Stack Run 1
Inlet Run 1

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	08:52	13	8.9	207	10.4	16	78<	10.9<	8.7<
06/23/99	08:53	14	9.1	212	10.3	13	81	10.7	8.9
06/23/99	08:54	15	9.4	191	9.9	14	83	10.5	9.1
06/23/99	08:55	15	9.9	161	9.6	13	78	9.8	9.9
06/23/99	08:56	13	10.8	113	8.8	14	71	9.2	10.7
06/23/99	08:57	11	11.4	74	8.2	16	68	8.9	11.0
06/23/99	08:58	9	11.0	79	8.6	22	78	9.6	10.1
06/23/99	08:59	9	10.5	115	9.0	19	85	9.9	9.9
06/23/99	09:00	10	10.2	149	9.3	18	80	9.9	9.8
06/23/99	09:01	9	10.3	149	9.2	17	74	9.7	10.1
06/23/99	09:02	9	10.3	136	9.2	16	73	9.8	10.0
06/23/99	09:03	10	10.2	137	9.3	17	78	9.8	9.9
06/23/99	09:04	11	10.5	143	9.0	15	71	9.2	10.6
06/23/99	09:05	12	10.5	120	9.1	18	74	9.9	9.9
06/23/99	09:06	16	9.8	135	9.7	25	76	10.1	9.6
06/23/99	09:07	18	9.8	111	9.7	21	72	10.1	9.6
06/23/99	09:08	19	9.7	130	9.7	21	72	10.3	9.4
06/23/99	09:09	20	9.7	155	9.8	20	71	9.9	9.8
06/23/99	09:10	19	10.2	140	9.4	16	64	9.7	10.0
06/23/99	09:11	16	10.6	125	9.0	15	62	9.4	10.4
06/23/99	09:12	13	10.5	123	9.1	16	66	9.5	10.3
06/23/99	09:13	12	10.8	102	8.8	16	63	9.3	10.5
[redacted]23/99	09:14	11	10.7	97	8.9	23	67	9.7	10.0
[redacted]23/99	09:15	12	10.3	121	9.3	24	66	10.0	9.8
06/23/99	09:16	13	10.0	126	9.5	22	64	10.2	9.6
06/23/99	09:17	13	9.5	131	9.9	23	68	10.7	9.0
06/23/99	09:18	14	9.0	142	10.4	19	70	11.2	8.5
06/23/99	09:19	15	9.2	154	10.3	17	76	10.8	8.9
06/23/99	09:20	15	9.7	141	9.8	15	70	10.2	9.5
06/23/99	09:21	15	10.3	114	9.2	15	63	9.4	10.4
06/23/99	09:22	13	11.3	72	8.4	16	56	8.5	11.4
06/23/99	09:23	11	11.8	50	7.9	20	53	8.6	11.3
06/23/99	09:24	9	11.2	71	8.4	23	59	9.3	10.6
06/23/99	09:25	10	10.7	107	8.9	23	60	9.6	10.2
06/23/99	09:26	11	10.5	110	9.1	25	56	9.6	10.2
06/23/99	09:27	12	10.2	120	9.3	21	60	10.0	9.7
06/23/99	09:28	13	10.0	140	9.5	22	64	10.1	9.6
06/23/99	09:29	15	9.8	153	9.7	22	71	10.3	9.4
06/23/99	09:30	17	9.6	154	9.8	22	70	10.5	9.1
06/23/99	09:31	21	9.3	174	10.1	21	80	10.8	8.8
06/23/99	09:32	24	9.2	192	10.1	15	82	10.5	9.1
06/23/99	09:33	29	9.6	183	9.8	15	83	10.0	9.6
06/23/99	09:34	31	10.2	154	9.3	15	84	9.8	9.9
06/23/99	09:35	29	10.6	130	8.9	17	88	9.5	10.1
06/23/99	09:36	31	11.0	104	8.5	19	89	9.2	10.5
06/23/99	09:37	34	11.6	70	7.9	22	84	8.7	11.1
06/23/99	09:38	34	11.2	66	8.4	32	106	9.8	9.8
06/23/99	09:39	38	10.9	107	8.6	25	101	9.2	10.5

[redacted]nted 06/23/99 10:08:36

Run 1

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2e
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	09:40	41	10.9	100	8.6	23	102	9.6	10.0
06/23/99	09:41	44	10.4	114	9.0	28	108	10.1	9.5
06/23/99	09:42	43	10.8	115	8.7	24	102	9.2	10.4
06/23/99	09:43	38	11.0	101	8.5	30	99	9.4	10.2
06/23/99	09:44	36	10.9	105	8.6	32	106	9.9	9.8
06/23/99	09:45	40	10.2	137	9.2	33	123	9.5	10.0
06/23/99	09:46	40	11.0	121	8.4	27	106	8.9	10.8
06/23/99	09:47	42	11.0	111	8.5	32	106	9.0	10.6
06/23/99	09:48	48	11.1	113	8.4	33	103	9.6	10.1
06/23/99	09:49	48	10.3	145	9.2	32	102	9.2	10.5
06/23/99	09:50	50	11.2	119	8.2	30	86B	8.2B	11.3B
06/23/99	09:51	50	11.4	100	8.1	45	85B	8.5B	11.5B
		09:01	08:52	09:23	09:23	08:55	09:23	09:22	09:18
Minimum		9	8.9	50	7.9	13	53	8.5	8.5
1-minute Values									
Maximum		50	11.8	212	10.4	45	123	11.2	11.4
		09:51	09:23	08:53	08:52	09:51	09:45	09:18	09:22
Average		22	10.4	126	9.1	21	78	9.8	9.9
Total		1301	621.3	7563	547.8	1271	4548	566.6	576.3
Recovery (%)		100.00	100.00	100.00	100.00	100.00	96.67	96.67	96.67

nted 06/23/99 10:08:36 Page

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Run 1

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] NAME	COec	NOXsc	COecc	SO2sc	SO2ec	COskc
[redacted] UNITS	PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE	500	1000	1000	500	1000	1000
ZERO OFFSET	0	0	0	0	0	0
START / CHANNEL	09	10	11	12	13	14
06/23/99 08:52	13<	238	13<	15	88<	17
06/23/99 08:53	12	246	12	16	93	15
06/23/99 08:54	12	229	13	17	97	15
06/23/99 08:55	11	201	13	18	97	15
06/23/99 08:56	13	153	17	17	95	18
06/23/99 08:57	16	106	22	15	94	22
06/23/99 08:58	21	109	26	12	99	30
06/23/99 08:59	18	153	21	12	106	25
06/23/99 09:00	16	191	19	11	99	21
06/23/99 09:01	17	193	20	10	94	21
06/23/99 09:02	15	177	18	11	92	20
06/23/99 09:03	16	177	19	12	97	21
06/23/99 09:04	13	189	16	14	95	18
06/23/99 09:05	20	158	24	16	92	23
06/23/99 09:06	28	167	33	18	93	30
06/23/99 09:07	22	138	26	22	87	26
06/23/99 09:08	24	160	28	23	87	25
06/23/99 09:09	21	191	25	24	88	23
06/23/99 09:10	17	180	20	23	81	19
06/23/99 09:11	16	168	21	20	82	20
06/23/99 09:12	18	162	22	17	85	21
06/23/99 09:13	19	139	24	15	83	21
[redacted]23/99 09:14	26	131	33	14	84	30
[redacted]23/99 09:15	26	157	32	14	82	30
06/23/99 09:16	23	159	28	15	77	28
06/23/99 09:17	25	159	28	15	78	28
06/23/99 09:18	19	165	20	16	78	22
06/23/99 09:19	16	181	17	17	87	19
06/23/99 09:20	15	174	16	18	84	17
06/23/99 09:21	14	148	18	18	82	19
06/23/99 09:22	17	102	23	17	80	23
06/23/99 09:23	21	74	29	15	75	29
06/23/99 09:24	24	100	31	12	78	31
06/23/99 09:25	23	144	29	12	77	30
06/23/99 09:26	26	145	33	14	71	32
06/23/99 09:27	21	154	25	14	73	26
06/23/99 09:28	23	177	27	16	78	27
06/23/99 09:29	23	189	27	17	85	27
06/23/99 09:30	24	188	28	20	82	26
06/23/99 09:31	20	205	22	23	91	24
06/23/99 09:32	14	227	16	28	95	17
06/23/99 09:33	15	224	18	36	100	17
06/23/99 09:34	15	198	18	39	104	19
06/23/99 09:35	18	173	22	38	112	22
06/23/99 09:36	19	145	25	42	117	26
06/23/99 09:37	22	104	30	49	117	32
06/23/99 09:38	31	93	38	48	131	44
06/23/99 09:39	22	147	28	52	134	34

Run 1

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	09:40	25	137	31	55	129	31
06/23/99	09:41	27	149	33	57	130	36
06/23/99	09:42	23	156	29	57	133	32
06/23/99	09:43	30	140	38	52	127	40
06/23/99	09:44	33	145	40	49	130	42
06/23/99	09:45	33	177	41	51	156	42
06/23/99	09:46	27	168	37	56	143	37
06/23/99	09:47	35	154	47	58	142	44
06/23/99	09:48	36	158	46	66	131	45
06/23/99	09:49	33	188	43	61	134	41
06/23/99	09:50	28B	168	40B	70	123B	42
06/23/99	09:51	39B	145	58B	72	127B	64
		08:55	09:23	08:53	09:01	09:26	08:55
Minimum 1-minute Values		11	74	12	10	71	15
Maximum		36	246	47	72	156	64
		09:48	08:53	09:47	09:51	09:45	09:51
Average		21	163	26	28	99	27
Total		1216	9761	1483	1674	5719	1627
Recovery (%)		96.67	100.00	96.67	100.00	96.67	100.00

Stack Run 2
Inlet Run 2

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	10:35	9	7.5	247	11.7	13	79	12.1	7.3
06/23/99	10:36	9	8.2	239	11.0	12	77	11.4	8.2
06/23/99	10:37	9	8.9	208	10.4	13	68	10.8	8.9
06/23/99	10:38	8	9.6	170	9.8	13	56	10.2	9.5
06/23/99	10:39	7	10.3	133	9.2	13	49	9.5	10.3
06/23/99	10:40	6	11.1	87	8.5	15	47	8.8	11.1
06/23/99	10:41	5	11.7	53	7.9	18	44	8.3	11.6
06/23/99	10:42	4	12.1	41	7.6	18	42	8.6	11.3
06/23/99	10:43	3	11.0	75	8.6	24	54	9.9	9.8
06/23/99	10:44	4	10.0	133	9.4	21	54	9.9	9.8
06/23/99	10:45	4	10.6	141	8.9	15	46	9.4	10.4
06/23/99	10:46	4	10.4	137	9.1	20	51	10.6	9.1
06/23/99	10:47	5	9.7	180	9.7	21	52	10.2	9.4
06/23/99	10:48	5	10.4	151	9.0	17	48	9.5	10.2
06/23/99	10:49	5	11.2	100	8.4	18	47	9.4	10.4
06/23/99	10:50	4	10.5	108	8.9	24	53B	9.9B	9.6B
06/23/99	10:51	4	10.4	124	9.1	22	47B	9.7B	10.3B
06/23/99	10:52	4	10.5	133	9.0	21	45<	9.6<	10.1<
06/23/99	10:53	4	10.6	121	8.9	20	51	10.0	9.6
06/23/99	10:54	4	10.5	142	9.0	20	50	9.7	10.0
06/23/99	10:55	4	10.3	138	9.1	22	51	10.1	9.4
06/23/99	10:56	4	9.8	161	9.6	18	53	10.1	9.4
[redacted]/23/99	10:57	4	10.0	155	9.4	13	53	9.9	9.6
[redacted]/23/99	10:58	4	10.3	146	9.1	12	51	9.7	9.9
06/23/99	10:59	4	10.7	113	8.8	15	50	9.2	10.5
06/23/99	11:00	4	11.3	75	8.3	20	51	9.3	10.4
06/23/99	11:01	4	10.4	98	9.0	26	60	10.3	9.2
06/23/99	11:02	4	10.0	142	9.4	20	57	10.1	9.6
06/23/99	11:03	4	10.1	135	9.3	16	59	10.2	9.5
06/23/99	11:04	3	10.4	135	9.1	15	60	9.6	10.1
		10:43	10:35	10:42	10:42	10:58	10:42	10:41	10:35
Minimum		3	7.5	41	7.6	12	42	8.3	7.3
1-minute Values									
Maximum		9	12.1	247	11.7	26	79	12.1	11.6
		10:36	10:42	10:35	10:35	11:01	10:35	10:35	10:41
Average		5	10.3	134	9.2	18	53	9.9	9.8
Total		146	308.2	4016	275.0	530	1498	276.1	274.4
Recovery (%)		100.00	100.00	100.00	100.00	100.00	93.33	93.33	93.33

Run 2

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	10:35	12	254	12	9	80	13
06/23/99	10:36	12	259	13	9	84	13
06/23/99	10:37	14	240	15	9	78	14
06/23/99	10:38	12	207	14	9	67	15
06/23/99	10:39	13	172	16	8	64	16
06/23/99	10:40	16	121	22	7	65	21
06/23/99	10:41	17	78	25	6	65	26
06/23/99	10:42	18	64	25	5	60	28
06/23/99	10:43	25	103	30	4	66	33
06/23/99	10:44	18	169	22	4	67	26
06/23/99	10:45	15	188	18	5	60	19
06/23/99	10:46	21	180	23	5	59	25
06/23/99	10:47	19	222	22	5	62	24
06/23/99	10:48	15	198	18	6	61	21
06/23/99	10:49	16	142	20	5	61	24
06/23/99	10:50	23B	142	28B	5	65B	31
06/23/99	10:51	23B	163	30B	5	63B	28
06/23/99	10:52	16<	175	19<	5	56<	27
06/23/99	10:53	18	161	21	5	61	25
06/23/99	10:54	18	187	21	5	63	26
06/23/99	10:55	20	180	23	5	61	27
06/23/99	10:56	14	200	16	5	63	21
06/23/99	10:57	11	195	12	5	64	15
06/23/99	10:58	12	189	14	5	64	15
06/23/99	10:59	15	153	19	5	65	19
06/23/99	11:00	20	107	25	4	67	27
06/23/99	11:01	24	128	28	4	70	33
06/23/99	11:02	16	180	19	3	69	24
06/23/99	11:03	15	171	16	3	70	20
06/23/99	11:04	14	176	17	3	77	19
		10:57	10:42	10:35	11:02	10:52	10:35
Minimum		11	64	12	3	56	13
1-minute Values							
Maximum		25	259	30	9	84	33
		10:43	10:36	10:43	10:36	10:36	10:43
Average		16	170	19	5	66	22
Total		452	5095	538	159	1840	669
Recovery (%)		93.33	100.00	93.33	100.00	93.33	100.00

Stack Run 3
Inlet Run 3

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/23/99 11:20	5	10.4	115	9.1	27	69	10.3	9.4
06/23/99 11:21	6	9.8	130	9.7	24	68	10.4	9.2
06/23/99 11:22	6	9.4	150	9.9	19	66	10.4	9.1
06/23/99 11:23	6	10.2	139	9.2	14	57	9.3	10.3
06/23/99 11:24	5	10.8	98	8.7	18	58	9.5	10.2
06/23/99 11:25	5	10.8	98	8.7	21	57	9.4	10.2
06/23/99 11:26	5	10.3	116	9.1	23	55	10.2	9.4
06/23/99 11:27	5	9.9	143	9.4	18	51	10.1	9.5
06/23/99 11:28	5	10.2	136	9.2	20	49	9.9	9.7
06/23/99 11:29	5	10.1	132	9.3	23	52	10.1	9.5
06/23/99 11:30	5	9.7	146	9.7	21	61	10.7	8.9
06/23/99 11:31	5	9.8	161	9.6	17	68	10.2	9.3
06/23/99 11:32	5	10.3	148	9.1	16	71	9.6	10.0
06/23/99 11:33	4	10.8	114	8.7	20	75	9.6	10.0
06/23/99 11:34	4	10.6	110	8.9	25	83	9.9	9.7
06/23/99 11:35	5	10.7	123	8.8	22	77	9.4	10.3
06/23/99 11:36	5	11.0	100	8.5	29	78	9.6	10.1
06/23/99 11:37	5	10.4	118	9.1	32	91	10.4	9.2
06/23/99 11:38	6	9.6	165	9.7	22	96	10.4	9.2
06/23/99 11:39	7	10.1	161	9.3	18	89	9.7	9.9
06/23/99 11:40	7	10.9	116	8.6	21	85	9.4	10.3
06/23/99 11:41	7	10.7	101	8.7	28	91	9.6	10.1
[redacted]/99 11:42	7	10.8	107	8.8	26	87	9.5	10.2
[redacted]/99 11:43	8	10.6	99	8.9	29	87	9.9	9.7
06/23/99 11:44	9	10.1	114	9.4	30	91	10.2	9.4
06/23/99 11:45	9	10.2	114	9.3	26	84	9.9	9.7
06/23/99 11:46	9	9.9	126	9.5	24	86	10.2	9.4
06/23/99 11:47	9	9.7	135	9.6	20	86	10.4	9.2
06/23/99 11:48	10	9.5	155	9.8	19	83	10.3	9.3
06/23/99 11:49	10	9.6	165	9.8	17	84	10.2	9.4
06/23/99 11:50	10B	9.4B	163B	9.6B	15B	82B	10.0B	9.3B
06/23/99 11:51	10B	10.8B	139B	8.8B	15B	72B	8.8B	11.2B
06/23/99 11:52	11<	11.1<	89<	8.4<	22<	79<	8.9<	10.9<
06/23/99 11:53	11	11.0	92	8.5	22	78	9.4	10.3
06/23/99 11:54	12	10.3	116	9.1	24	78	10.0	9.6
06/23/99 11:55	15	9.6	146	9.7	21	87	10.4	9.1
06/23/99 11:56	18	9.6	155	9.7	16	86	9.9	9.8
06/23/99 11:57	20	10.2	139	9.3	14	81	9.4	10.3
06/23/99 11:58	20	10.9	112	8.6	17	78	9.1	10.6
06/23/99 11:59	18	10.9	100	8.7	21	84	9.4	10.3
06/23/99 12:00	18	10.5	118	9.0	24	85	9.7	10.0
06/23/99 12:01	19	10.1	126	9.3	21	85	10.0	9.6
06/23/99 12:02	20	9.7	143	9.7	20	86	10.4	9.2
06/23/99 12:03	20	9.6	145	9.8	19	82	10.5	9.1
06/23/99 12:04	20	9.7	161	9.7	15	86	10.3	9.4
06/23/99 12:05	18	10.3	149	9.2	14	81	9.5	10.3
06/23/99 12:06	16	10.7	115	8.8	18	84	9.8	10.0
06/23/99 12:07	16	10.6	130	9.0	19	83	9.5	10.4

[redacted]ted 06/23/99 12:25:33 Page 1

Run 3

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2e
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	12:08	15	10.4	128	9.1	20	88	9.9	9.9
06/23/99	12:09	17	10.0	139	9.5	19	93	10.3	9.5
06/23/99	12:10	18	9.8	160	9.6	16	91	10.0	9.7
06/23/99	12:11	18	10.4	144	9.2	14	81	9.3	10.5
06/23/99	12:12	14	11.0	103	8.6	15	70	9.3	10.6
06/23/99	12:13	10	10.6	116	9.0	18	88	10.0	9.8
06/23/99	12:14	10	10.1	152	9.5	17	91	10.1	9.7
06/23/99	12:15	10	10.4	133	9.2	14	89	9.9	9.8
06/23/99	12:16	11	10.6	108	8.9	14	94	9.4	10.4
06/23/99	12:17	10	10.9	89	8.8	18	95	10.1	9.7
06/23/99	12:18	12	9.8	143	9.7	19	99	10.2	9.5
06/23/99	12:19	13	10.3	148	9.3	13	87	9.3	10.5
		11:33	11:22	12:17	11:52	12:19	11:28	11:52	11:30
Minimum		4	9.4	89	8.4	13	49	8.9	8.9
1-minute Values									
Maximum		20	11.1	165	9.9	32	99	10.7	10.9
		11:57	11:52	11:38	11:22	11:37	12:18	11:30	11:52
Average		11	10.3	128	9.2	20	79	9.9	9.8
Total		614	595.6	7428	532.5	1167	4610	572.6	567.8
Recovery (%)		96.67	96.67	96.67	96.67	96.67	96.67	96.67	96.67

Run 3

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	11:20	28	150	33	6	83	34
06/23/99	11:21	22	161	26	6	80	29
06/23/99	11:22	19	181	21	6	77	22
06/23/99	11:23	13	179	16	6	74	17
06/23/99	11:24	18	133	23	6	74	23
06/23/99	11:25	21	133	26	5	73	28
06/23/99	11:26	23	151	26	6	65	29
06/23/99	11:27	17	180	20	6	62	22
06/23/99	11:28	22	175	26	5	60	25
06/23/99	11:29	22	169	26	5	63	28
06/23/99	11:30	20	179	22	4	69	25
06/23/99	11:31	16	201	18	5	80	20
06/23/99	11:32	17	193	20	5	90	20
06/23/99	11:33	22	155	27	5	94	27
06/23/99	11:34	26	147	31	5	101	33
06/23/99	11:35	21	166	26	5	100	30
06/23/99	11:36	30	139	37	5	99	40
06/23/99	11:37	31	153	36	5	106	42
06/23/99	11:38	21	201	24	7	112	27
06/23/99	11:39	19	205	23	7	111	22
06/23/99	11:40	23	159	29	8	109	28
06/23/99	11:41	28	137	35	9	116	37
06/23/99	11:42	26	146	32	9	112	34
06/23/99	11:43	30	133	36	10	107	38
06/23/99	11:44	30	146	34	10	109	37
06/23/99	11:45	25	146	30	11	102	33
06/23/99	11:46	23	158	27	10	102	29
06/23/99	11:47	19	166	22	11	101	24
06/23/99	11:48	20	188	23	11	98	23
06/23/99	11:49	16	200	19	12	100	20
06/23/99	11:50	15B	194B	16B	11B	97B	17B
06/23/99	11:51	16B	191B	22B	13B	104B	19B
06/23/99	11:52	23<	125<	30<	14<	109<	30<
06/23/99	11:53	22	128	27	14	101	30
06/23/99	11:54	24	152	29	15	94	31
06/23/99	11:55	20	178	22	18	102	25
06/23/99	11:56	16	190	18	21	106	18
06/23/99	11:57	15	178	19	25	104	18
06/23/99	11:58	19	154	25	26	104	23
06/23/99	11:59	23	137	29	24	109	28
06/23/99	12:00	24	156	29	23	107	32
06/23/99	12:01	21	160	24	24	104	26
06/23/99	12:02	21	175	25	23	101	24
06/23/99	12:03	19	176	21	24	96	22
06/23/99	12:04	14	198	16	23	103	17
06/23/99	12:05	14	194	17	23	104	17
06/23/99	12:06	19	156	23	21	106	24
06/23/99	12:07	18	174	22	20	108	25

Printed 06/23/99 12:25:34

Run 3

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	12:08	20	168	24	19	110	25
06/23/99	12:09	20	176	23	20	112	24
06/23/99	12:10	16	199	18	22	112	19
06/23/99	12:11	14	189	17	22	107	18
06/23/99	12:12	15	143	20	19	94	20
06/23/99	12:13	18	154	21	13	109	23
06/23/99	12:14	18	193	20	11	112	21
06/23/99	12:15	12	174	14	13	111	17
06/23/99	12:16	14	145	18	13	122	18
06/23/99	12:17	19	122	22	14	117	24
06/23/99	12:18	17	177	20	14	120	23
06/23/99	12:19	11	191	14	16	114	16
		12:19	12:17	12:15	11:30	11:28	12:19
Minimum 1-minute Values		11	122	14	4	60	16
Maximum		31	205	37	26	122	42
		11:37	11:39	11:36	11:58	12:16	11:37
Average		20	165	24	13	98	25
Total		1166	9577	1388	736	5711	1471
Recovery (%)		96.67	96.67	96.67	96.67	96.67	96.67

Stack Run 4
Inlet Run 4

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	12:38	9	10.7	110	8.8	24	46	9.5	10.1
06/23/99	12:39	9	10.0	133	9.4	23	47	10.2	9.3
06/23/99	12:40	9	9.8	154	9.5	19	47	10.0	9.6
06/23/99	12:41	8	10.0	148	9.3	19	42	9.6	10.0
06/23/99	12:42	7	10.3	126	9.1	20	40	9.6	10.0
06/23/99	12:43	7	10.0	136	9.3	19	44	10.0	9.5
06/23/99	12:44	7	9.7	160	9.5	17	45	9.8	9.6
06/23/99	12:45	7	10.0	160	9.3	16	43	9.6	9.8
06/23/99	12:46	7	10.4	143	8.9	15	42	9.2	10.3
06/23/99	12:47	7	10.7	120	8.6	15	42	8.9	10.7
06/23/99	12:48	7	10.7	106	8.7	18	44	9.4	10.1
06/23/99	12:49	7	10.0	119	9.3	22	44	9.6	10.0
06/23/99	12:50	8	9.8	118	9.4	16	50B	9.7B	9.7B
06/23/99	12:51	8	10.1	126	9.2	13	45B	9.2B	10.7B
06/23/99	12:52	8	10.2	134	9.1	14	47<	8.8<	10.8<
06/23/99	12:53	8	10.6	125	8.8	14	49	9.2	10.4
06/23/99	12:54	8	10.1	137	9.2	18	49	9.9	9.6
06/23/99	12:55	9	9.7	162	9.5	15	58	9.9	9.6
06/23/99	12:56	9	9.9	172	9.4	11	64	9.6	9.9
06/23/99	12:57	10	10.6	144	8.8	11	62	9.1	10.5
06/23/99	12:58	9	10.7	115	8.7	16	68	9.5	10.0
06/23/99	12:59	10	10.4	122	8.9	17	70	9.7	9.8
06/23/99	13:00	11	10.0	139	9.3	20	71	9.8	9.7
06/23/99	13:01	12	9.6	151	9.6	17	75	9.8	9.7
06/23/99	13:02	14	9.7	164	9.6	13	75	9.6	9.9
06/23/99	13:03	16	10.2	152	9.1	12	76	9.0	10.6
06/23/99	13:04	16	10.8	115	8.6	15	85	9.3	10.3
06/23/99	13:05	17	10.6	128	8.8	21	92	8.8	10.8
06/23/99	13:06	16	11.1	95	8.3	20	93	8.9	10.6
06/23/99	13:07	17	10.6	115	8.7	24	104	9.5	10.1
06/23/99	13:08	17	10.0	147	9.3	25	108	10.2	9.3
06/23/99	13:09	18	9.4	179	9.8	20	98	10.1	9.4
06/23/99	13:10	19	9.9	163	9.4	15	99	9.4	10.2
06/23/99	13:11	18	10.9	120	8.5	20	97	8.7	11.0
06/23/99	13:12	16	10.6	119	8.8	29	109	9.5	10.1
06/23/99	13:13	17	10.6	134	8.9	23	111	9.4	10.2
06/23/99	13:14	16	10.3	128	9.1	24	120	9.8	9.7
06/23/99	13:15	18	9.5	145	9.8	25	124	10.3	9.2
06/23/99	13:16	19	9.8	155	9.5	17	110	9.5	10.1
06/23/99	13:17	17	10.7	121	8.8	16	109	9.3	10.4
06/23/99	13:18	15	9.8	137	9.6	23	128	10.3	9.2
06/23/99	13:19	15	9.7	170	9.6	16	119	9.7	9.9
06/23/99	13:20	14	10.4	142	9.0	15	116	9.0	10.7
06/23/99	13:21	13	10.5	119	8.9	20	133	9.5	10.1
06/23/99	13:22	12	10.7	122	8.8	17	127	9.2	10.5
06/23/99	13:23	12	10.7	110	8.8	18	136	9.4	10.2
06/23/99	13:24	12	10.3	131	9.0	18	133	9.4	10.3
06/23/99	13:25	12	10.3	134	9.1	16	142	9.6	10.0

Run 4

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2e
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	13:26	12	10.7	134	8.8	16	141	9.1	10.6
06/23/99	13:27	12	10.7	111	8.8	20	148	9.6	10.0
06/23/99	13:28	12	10.2	132	9.2	23	152	9.8	9.8
06/23/99	13:29	13	10.4	134	9.1	18	145	9.5	10.2
06/23/99	13:30	13	10.8	102	8.7	19	148	9.0	10.8
06/23/99	13:31	12	10.8	82	8.7	25	165	9.6	10.1
06/23/99	13:32	14	10.1	130	9.3	22	156	9.6	10.0
06/23/99	13:33	15	10.3	141	9.1	19	141	9.1	10.6
06/23/99	13:34	14	10.6	114	8.9	20	134	9.2	10.5
06/23/99	13:35	13	10.3	119	9.1	21	128	9.5	10.2
06/23/99	13:36	12	10.1	125	9.3	20	128	9.6	10.0
06/23/99	13:37	11	9.8	134	9.6	23	129	10.3	9.2
		12:47	13:09	13:31	13:06	12:57	12:42	13:11	13:37
Minimum		7	9.4	82	8.3	11	40	8.7	9.2
1-minute Values									
Maximum		19	11.1	179	9.8	29	165	10.3	11.0
		13:16	13:06	13:09	13:09	13:12	13:31	13:37	13:11
Average		12	10.3	133	9.1	19	95	9.5	10.1
Total		726	615.7	7956	546.1	1110	5488	551.8	583.4
Recovery (%)		100.00	100.00	100.00	100.00	100.00	96.67	96.67	96.67

Run 4

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] NAME	COec	NOXsc	COecc	SO2sc	SO2ec	COskc
[redacted] UNITS	PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE	500	1000	1000	500	1000	1000
ZERO OFFSET	0	0	0	0	0	0
START / CHANNEL	09	10	11	12	13	14
06/23/99 12:38	25	147	31	10	59	32
06/23/99 12:39	22	168	26	10	55	28
06/23/99 12:40	19	191	22	10	57	23
06/23/99 12:41	20	187	24	9	52	23
06/23/99 12:42	22	164	26	8	50	25
06/23/99 12:43	18	172	21	7	52	23
06/23/99 12:44	16	197	19	7	55	20
06/23/99 12:45	15	201	18	7	53	18
06/23/99 12:46	15	188	18	7	54	20
06/23/99 12:47	14	162	19	8	56	20
06/23/99 12:48	20	143	25	8	55	23
06/23/99 12:49	21	150	26	8	56	27
06/23/99 12:50	16B	146	19B	9	61B	20
06/23/99 12:51	16B	161	21B	9	63B	16
06/23/99 12:52	11<	172	14<	9	64<	17
06/23/99 12:53	15	167	19	10	63	18
06/23/99 12:54	20	175	24	10	58	22
06/23/99 12:55	13	200	14	10	71	17
06/23/99 12:56	11	215	13	11	81	13
06/23/99 12:57	12	193	15	13	82	14
06/23/99 12:58	17	156	21	12	85	20
06/23/99 12:59	20	161	23	12	87	22
[redacted]23/99 13:00	21	176	25	13	88	25
[redacted]23/99 13:01	18	184	21	14	91	20
06/23/99 13:02	13	202	15	17	93	15
06/23/99 13:03	13	196	16	20	101	14
06/23/99 13:04	19	157	25	21	110	19
06/23/99 13:05	22	171	30	22	125	27
06/23/99 13:06	25	133	32	22	124	28
06/23/99 13:07	27	153	34	22	132	31
06/23/99 13:08	29	185	34	20	127	31
06/23/99 13:09	19	214	22	21	118	23
06/23/99 13:10	17	205	21	23	128	19
06/23/99 13:11	25	164	34	24	135	26
06/23/99 13:12	33	159	41	21	139	38
06/23/99 13:13	27	179	34	22	142	30
06/23/99 13:14	29	167	35	20	148	31
06/23/99 13:15	28	176	32	21	145	30
06/23/99 13:16	16	193	20	23	141	20
06/23/99 13:17	19	164	24	21	142	21
06/23/99 13:18	26	169	31	17	152	28
06/23/99 13:19	16	210	18	17	149	19
06/23/99 13:20	17	187	22	17	156	19
06/23/99 13:21	24	157	31	16	170	26
06/23/99 13:22	18	164	23	16	169	23
06/23/99 13:23	20	149	25	15	176	23
06/23/99 13:24	19	171	23	15	173	23
06/23/99 13:25	18	174	22	15	180	20

Run 4

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	13:26	17	181	22	15	190	20
06/23/99	13:27	24	150	30	15	188	27
06/23/99	13:28	24	169	30	15	190	29
06/23/99	13:29	18	175	22	15	187	23
06/23/99	13:30	19	139	25	16	201	25
06/23/99	13:31	27	111	34	16	212	33
06/23/99	13:32	22	166	27	18	197	28
06/23/99	13:33	21	183	28	19	188	24
06/23/99	13:34	23	153	30	18	178	25
06/23/99	13:35	24	155	31	16	165	26
06/23/99	13:36	24	159	30	14	162	25
06/23/99	13:37	26	165	30	13	152	28
		12:56	13:31	12:56	12:43	12:42	12:56
Minimum		11	111	13	7	50	13
1-minute Values							
Maximum		33	215	41	24	212	38
		13:12	12:56	13:12	13:11	13:31	13:12
Average		20	171	25	15	121	23
Total		1170	10265	1432	878	6993	1387
Recovery (%)		96.67	100.00	96.67	100.00	96.67	100.00

Run 5

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted]N NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted]N UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/23/99 13:57	10	9.9	136	9.4	18	83	10.0	9.5
06/23/99 13:58	11	10.0	150	9.4	14	71	9.6	10.0
06/23/99 13:59	11	10.8	125	8.6	12	60	8.7	10.9
06/23/99 14:00	10	11.0	96	8.4	17	63	9.1	10.5
06/23/99 14:01	11	10.3	124	9.1	22	67	9.9	9.7
06/23/99 14:02	13	9.7	136	9.6	15	71	10.1	9.4
06/23/99 14:03	12	9.7	148	9.6	14	65	9.8	9.7
06/23/99 14:04	11	10.0	147	9.3	12	63	9.6	10.0
06/23/99 14:05	11	10.4	130	9.0	11	65	9.3	10.3
06/23/99 14:06	11	10.8	110	8.7	17	62	9.3	10.2
06/23/99 14:07	11	10.4	119	9.0	17	64	9.5	10.1
06/23/99 14:08	10	10.3	111	9.1	16	65	9.7	9.9
06/23/99 14:09	10	10.4	112	9.0	15	64	9.0	10.6
06/23/99 14:10	9	11.1	85	8.3	18	60	9.1	10.5
06/23/99 14:11	9	10.4	106	8.9	22	63	9.3	10.2
06/23/99 14:12	9	10.4	119	9.0	17	59	9.4	10.1
06/23/99 14:13	9	10.5	127	8.9	14	55	8.9	10.7
06/23/99 14:14	8	11.1	103	8.3	13	50	8.9	10.8
06/23/99 14:15	7	10.2	113	9.2	23	55	9.9	9.6
06/23/99 14:16	7	10.6	120	8.8	15	48	9.0	10.6
06/23/99 14:17	7	11.3	81	8.2	16	44	8.8	10.8
06/23/99 14:18	6	10.6	85	8.9	23	53	10.7	8.9
[redacted]23/99 14:19	7	9.6	136	9.7	16	69	10.2	9.2
[redacted]23/99 14:20	7	10.6	121	8.8	13	51	9.2	10.4
06/23/99 14:21	7	11.4	81	8.0	13	44	8.6	11.0
06/23/99 14:22	6	11.1	69	8.3	19	56	9.7	9.7
06/23/99 14:23	7	10.9	103	8.5	18	51	8.8	10.7
06/23/99 14:24	6	11.5	93	8.0	19	42	9.0	10.6
06/23/99 14:25	6	11.1	111	8.3	19	42	9.3	10.2
06/23/99 14:26	6	10.6	128	8.8	21	44	9.9	9.6
	14:22	14:19	14:22	14:21	14:05	14:24	14:21	14:18
Minimum	6	9.6	69	8.0	11	42	8.6	8.9
1-minute Values								
Maximum	13	11.5	150	9.7	23	83	10.7	11.0
	14:02	14:24	13:58	14:19	14:18	13:57	14:18	14:21
Average	9	10.5	114	8.8	17	58	9.4	10.1
Total	266	316.3	3422	265.0	498	1743	282.4	304.1
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Run 5

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	13:57	19	170	23	12	101	22
06/23/99	13:58	13	190	15	14	89	16
06/23/99	13:59	12	171	16	14	83	15
06/23/99	14:00	18	133	23	14	84	23
06/23/99	14:01	21	160	25	13	82	27
06/23/99	14:02	14	168	16	14	84	18
06/23/99	14:03	12	182	14	13	80	16
06/23/99	14:04	10	186	12	14	79	14
06/23/99	14:05	12	170	15	14	84	14
06/23/99	14:06	20	149	25	14	79	23
06/23/99	14:07	16	155	20	13	81	21
06/23/99	14:08	17	144	20	12	82	20
06/23/99	14:09	13	147	17	12	85	19
06/23/99	14:10	18	118	22	12	79	24
06/23/99	14:11	19	139	24	11	81	28
06/23/99	14:12	16	156	19	11	74	21
06/23/99	14:13	12	168	16	10	74	18
06/23/99	14:14	14	145	18	10	67	18
06/23/99	14:15	24	145	28	8	67	28
06/23/99	14:16	13	160	17	9	64	20
06/23/99	14:17	16	115	20	9	59	23
06/23/99	14:18	22	112	25	8	61	30
06/23/99	14:19	12	166	13	8	81	19
06/23/99	14:20	11	162	14	9	67	17
06/23/99	14:21	12	116	16	9	61	19
06/23/99	14:22	18	97	22	8	68	26
06/23/99	14:23	16	142	20	8	68	24
06/23/99	14:24	19	135	25	8	55	27
06/23/99	14:25	17	155	21	8	53	25
06/23/99	14:26	21	170	25	8	53	28
		14:04	14:22	14:04	14:18	14:25	14:05
Minimum		10	97	12	8	53	14
1-minute Values							
Maximum		24	190	28	14	101	30
		14:15	13:58	14:15	14:02	13:57	14:18
Average		16	151	19	11	74	21
Total		476	4519	578	321	2218	635
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00

Run 6

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/23/99 14:43	6	8.4	237	10.7	14	83	11.5	7.9
06/23/99 14:44	6	9.0	226	10.2	12	74	10.6	8.9
06/23/99 14:45	6	9.9	190	9.4	11	64	9.6	10.0
06/23/99 14:46	5	10.7	138	8.7	13	57	9.0	10.7
06/23/99 14:47	4	11.3	95	8.1	14	50	8.3	11.5
06/23/99 14:48	4	12.0	63	7.5	14	45	8.0	11.9
06/23/99 14:49	3	11.4	65	8.1	20	53	9.3	10.3
06/23/99 14:50	3	10.0	147	9.2	21	60B	10.2B	9.2B
06/23/99 14:51	4	10.3	164	9.1	15	55B	9.0B	10.8B
06/23/99 14:52	5	10.7	135	8.7	13	54<	9.5<	10.1<
06/23/99 14:53	5	10.3	126	9.0	16	64	9.9	9.6
06/23/99 14:54	7	9.7	150	9.5	14	74	9.6	10.0
06/23/99 14:55	9	10.5	128	8.9	11	66	8.6	11.0
06/23/99 14:56	10	11.3	77	8.1	14	59	8.5	11.2
06/23/99 14:57	9	10.4	100	9.0	19	70	9.9	9.6
06/23/99 14:58	9	10.2	135	9.1	14	64	9.3	10.3
06/23/99 14:59	9	10.9	96	8.5	13	59	9.0	10.7
06/23/99 15:00	9	10.7	98	8.7	17	62	9.1	10.6
06/23/99 15:01	9	10.5	114	8.9	19	61	9.8	9.8
06/23/99 15:02	9	10.2	143	9.1	18	58	9.2	10.4
06/23/99 15:03	9	10.6	113	8.8	16	61	9.5	10.1
06/23/99 15:04	9	10.6	115	8.8	15	62	9.1	10.5
06/23/99 15:05	9	11.2	91	8.2	16	57	8.8	10.9
06/23/99 15:06	9	10.5	105	8.9	23	67	9.7	9.8
06/23/99 15:07	9	10.6	137	8.8	18	62	8.9	10.8
06/23/99 15:08	8	11.2	96	8.3	19	58	9.3	10.4
06/23/99 15:09	9	9.7	141	9.6	23	69	10.5	9.0
06/23/99 15:10	10	9.2	174	10.0	15	68	10.0	9.4
06/23/99 15:11	10	10.3	147	9.0	13	57	8.6	11.0
06/23/99 15:12	9	11.4	85	8.0	15	53	8.3	11.4
06/23/99 15:13	8	11.0	74	8.5	21	56	9.3	10.3
06/23/99 15:14	9	10.5	126	8.8	18	52	9.0	10.6
06/23/99 15:15	10	10.3	133	9.1	19	59	10.3	9.3
06/23/99 15:16	13	8.9	188	10.2	18	75	10.6	8.8
06/23/99 15:17	16	9.7	190	9.6	11	66	9.5	9.9
06/23/99 15:18	15	10.9	118	8.4	11	53	8.5	11.2
06/23/99 15:19	12	11.7	62	7.8	17	50	8.6	11.1
06/23/99 15:20	11	10.9	88	8.6	21	54	9.8	9.7
06/23/99 15:21	12	9.8	156	9.5	16	58	10.3	9.2
06/23/99 15:22	12	10.0	182	9.3	11	56	9.3	10.2
06/23/99 15:23	11	10.9	141	8.5	11	54	9.0	10.5
06/23/99 15:24	10	10.8	114	8.6	14	58	9.4	10.3
06/23/99 15:25	9	10.2	131	9.2	16	84	10.4	9.1
06/23/99 15:26	12	9.0	187	10.2	16	83	10.7	8.7
06/23/99 15:27	14	9.9	187	9.4	8	69	9.1	10.4
06/23/99 15:28	12	11.4	103	8.0	7	69	7.7	12.0
06/23/99 15:29	9	12.4	42	7.2	11	70	7.6	12.1
06/23/99 15:30	7	12.0	42	7.5	14	71	8.5	11.2

Run 6

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2e
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	15:31	7	10.6	102	8.8	15	75	10.0	9.5
06/23/99	15:32	9	9.9	165	9.4	12	73	10.1	9.4
06/23/99	15:33	10	9.3	191	9.9	9	76	10.7	8.8
06/23/99	15:34	10	9.2	205	10.0	8	75	10.7	8.8
06/23/99	15:35	10	9.8	183	9.4	7	76	9.8	9.7
06/23/99	15:36	8	10.9	117	8.5	8	66	8.8	10.8
06/23/99	15:37	7	11.4	78	8.0	11	63	8.5	11.2
06/23/99	15:38	6	11.3	76	8.1	12	69	8.8	10.8
06/23/99	15:39	6	10.5	114	8.9	14	73	9.6	10.0
06/23/99	15:40	6	9.8	151	9.5	12	77	10.1	9.5
06/23/99	15:41	6	9.7	181	9.6	10	73	9.4	10.2
06/23/99	15:42	6	10.8	145	8.6	8	64	8.3	11.3
		14:49	14:43	15:30	15:29	15:28	14:48	15:29	14:43
Minimum		3	8.4	42	7.2	7	45	7.6	7.9
1-minute Values									
Maximum		16	12.4	237	10.7	23	84	11.5	12.1
		15:17	15:29	14:43	14:43	15:06	15:25	14:43	15:29
Average		9	10.5	130	8.9	14	64	9.4	10.2
Total		517	627.0	7795	533.6	855	3714	543.4	591.4
Recovery (%)		100.00	100.00	100.00	100.00	100.00	96.67	96.67	96.67

Run 6

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] NAME	COec	NOXsc	COecc	SO2sc	SO2ec	COskc
[redacted] UNITS	PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE	500	1000	1000	500	1000	1000
ZERO OFFSET	0	0	0	0	0	0
START / CHANNEL	09	10	11	12	13	14
06/23/99 14:43	13	261	13	6	88	15
06/23/99 14:44	11	261	12	6	84	14
06/23/99 14:45	10	237	12	6	80	13
06/23/99 14:46	14	185	18	6	76	16
06/23/99 14:47	15	136	21	5	72	19
06/23/99 14:48	15	97	22	4	69	21
06/23/99 14:49	22	92	28	4	69	29
06/23/99 14:50	23B	185	27B	3	70B	26
06/23/99 14:51	19B	213	26B	5	77B	19
06/23/99 14:52	18<	183	22<	5	69<	17
06/23/99 14:53	18	164	20	6	77	20
06/23/99 14:54	13	185	16	8	93	16
06/23/99 14:55	12	169	16	11	93	13
06/23/99 14:56	17	109	23	13	84	18
06/23/99 14:57	23	131	27	12	86	25
06/23/99 14:58	13	174	15	11	83	17
06/23/99 14:59	14	132	18	12	79	17
06/23/99 15:00	18	133	22	11	82	22
06/23/99 15:01	21	151	25	10	74	25
06/23/99 15:02	17	184	21	11	76	23
06/23/99 15:03	16	150	19	11	77	21
06/23/99 15:04	14	154	17	12	81	19
[redacted]/23/99 15:05	17	130	22	13	78	23
[redacted]23/99 15:06	21	138	26	11	83	29
06/23/99 15:07	16	183	21	12	84	22
06/23/99 15:08	21	136	26	11	75	26
06/23/99 15:09	23	172	26	10	80	27
06/23/99 15:10	14	205	16	11	82	17
06/23/99 15:11	14	191	19	12	79	16
06/23/99 15:12	19	123	26	12	76	21
06/23/99 15:13	24	101	30	11	72	28
06/23/99 15:14	17	167	22	12	69	22
06/23/99 15:15	21	172	24	12	69	23
06/23/99 15:16	17	216	18	14	85	20
06/23/99 15:17	10	233	11	19	82	13
06/23/99 15:18	12	162	16	19	74	14
06/23/99 15:19	18	92	24	18	69	24
06/23/99 15:20	22	119	26	15	66	28
06/23/99 15:21	14	194	16	14	67	19
06/23/99 15:22	10	231	11	15	72	13
06/23/99 15:23	11	194	14	15	71	14
06/23/99 15:24	14	155	17	13	74	17
06/23/99 15:25	16	168	18	11	98	20
06/23/99 15:26	13	217	13	13	93	18
06/23/99 15:27	6	234	7	16	90	9
06/23/99 15:28	8	147	11	16	107	10
06/23/99 15:29	13	67	19	13	109	17
06/23/99 15:30	15	64	20	10	100	21

Run 6

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	15:31	14	135	16	9	90	20
06/23/99	15:32	11	207	13	11	87	14
06/23/99	15:33	8	227	9	11	86	10
06/23/99	15:34	8	242	8	11	85	9
06/23/99	15:35	6	227	7	12	93	8
06/23/99	15:36	8	160	11	11	90	10
06/23/99	15:37	11	113	15	9	88	15
06/23/99	15:38	13	108	17	7	94	17
06/23/99	15:39	13	151	16	6	92	18
06/23/99	15:40	13	187	15	6	93	14
06/23/99	15:41	9	224	11	7	93	12
06/23/99	15:42	8	196	10	8	92	9
		15:27	15:30	15:35	14:50	15:20	15:35
Minimum		6	64	7	3	66	8
1-minute Values							
Maximum		24	261	30	19	109	29
		15:13	14:43	15:13	15:18	15:29	15:06
Average		14	168	18	10	82	18
Total		832	10060	1017	621	4767	1076
Recovery (%)		96.67	100.00	96.67	100.00	96.67	100.00

Run 7

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] N NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] N UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/23/99 15:59	17	10.3	115	9.1	13	103	9.5	10.1
06/23/99 16:00	20	10.4	122	9.0	13	110	9.5	10.1
06/23/99 16:01	23	10.4	116	9.1	17	103	9.6	10.1
06/23/99 16:02	21	10.0	115	9.3	17	106	10.1	9.5
06/23/99 16:03	16	10.2	121	9.1	13	106	9.1	10.5
06/23/99 16:04	12	11.0	83	8.5	12	105	9.1	10.5
06/23/99 16:05	10	10.3	101	9.1	16	105	10.1	9.5
06/23/99 16:06	11	9.6	153	9.7	15	98	9.5	10.1
06/23/99 16:07	11	10.6	130	8.8	11	82	8.4	11.3
06/23/99 16:08	9	11.4	85	8.1	14	85	8.4	11.4
06/23/99 16:09	8	11.2	89	8.2	18	85	8.1	11.6
06/23/99 16:10	7	11.4	85	8.0	18	81	8.6	11.1
06/23/99 16:11	7	11.2	97	8.3	20	79	8.8	10.9
06/23/99 16:12	7	10.6	104	8.9	21	87	9.7	9.8
06/23/99 16:13	8	9.4	152	9.9	17	105	10.6	8.9
06/23/99 16:14	13	8.7	193	10.5	15	119	10.6	8.9
06/23/99 16:15	18	9.0	196	10.2	11	111	10.1	9.4
06/23/99 16:16	20	10.0	172	9.4	10	101	9.3	10.3
06/23/99 16:17	18	10.7	126	8.8	10	99	9.0	10.7
06/23/99 16:18	14	11.1	86	8.3	12	97	8.8	11.0
06/23/99 16:19	11	10.8	90	8.6	17	98	9.3	10.4
06/23/99 16:20	10	10.5	118	8.9	16	92	9.3	10.3
[redacted]23/99 16:21	9	10.5	125	8.9	16	87	9.6	10.1
[redacted]23/99 16:22	9	9.8	136	9.6	18	91	10.4	9.2
06/23/99 16:23	11	9.0	165	10.2	15	94	11.2	8.3
06/23/99 16:24	16	8.6	193	10.5	10	98	10.7	8.7
06/23/99 16:25	21	9.6	174	9.7	8	85	9.6	9.9
06/23/99 16:26	21	10.7	127	8.7	8	73	8.8	10.9
06/23/99 16:27	16	11.4	78	8.0	12	75	8.9	10.7
06/23/99 16:28	15	10.7	91	8.7	17	87	9.9	9.6
06/23/99 16:29	17	10.0	138	9.4	16	86	9.7	9.9
	16:11	16:24	16:27	16:27	16:25	16:26	16:09	16:23
Minimum	7	8.6	78	8.0	8	73	8.1	8.3
1-minute Values								
Maximum	23	11.4	196	10.5	21	119	11.2	11.6
	16:01	16:10	16:15	16:14	16:12	16:14	16:23	16:09
Average	14	10.3	125	9.1	14	94	9.5	10.1
Total	426	319.0	3872	281.6	443	2927	294.4	313.1
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Run 7

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	15:59	14	150	16	21	131	17
06/23/99	16:00	14	158	18	25	140	17
06/23/99	16:01	19	152	23	29	131	22
06/23/99	16:02	18	145	21	25	128	21
06/23/99	16:03	12	157	15	20	140	16
06/23/99	16:04	12	115	16	16	139	15
06/23/99	16:05	17	131	20	13	127	20
06/23/99	16:06	14	187	16	12	125	18
06/23/99	16:07	11	173	14	14	117	14
06/23/99	16:08	18	123	25	12	123	20
06/23/99	16:09	19	127	26	11	126	25
06/23/99	16:10	20	123	27	10	114	25
06/23/99	16:11	22	137	29	9	110	27
06/23/99	16:12	21	139	26	9	108	28
06/23/99	16:13	17	182	19	9	120	20
06/23/99	16:14	15	218	16	14	136	16
06/23/99	16:15	11	226	12	20	133	12
06/23/99	16:16	10	217	12	24	132	12
06/23/99	16:17	11	169	14	23	133	13
06/23/99	16:18	13	121	18	18	135	17
06/23/99	16:19	17	123	21	15	128	22
06/23/99	16:20	16	155	19	12	120	21
06/23/99	16:21	16	166	19	11	111	20
06/23/99	16:22	18	169	20	10	107	22
06/23/99	16:23	13	191	13	12	103	16
06/23/99	16:24	8	218	8	18	111	10
06/23/99	16:25	7	211	9	25	106	9
06/23/99	16:26	9	171	11	28	100	10
06/23/99	16:27	12	112	16	23	101	17
06/23/99	16:28	16	122	18	19	106	22
06/23/99	16:29	14	173	16	20	107	19
		16:25	16:27	16:24	16:13	16:26	16:25
Minimum		7	112	8	9	100	9
1-minute Values							
Maximum		22	226	29	29	140	28
		16:11	16:15	16:11	16:01	16:00	16:12
Average		15	160	18	17	121	18
Total		450	4954	547	520	3739	554
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00

Run 8

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
CHAN UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	16:42	11	10.1	133	9.2	13	68	9.4	10.1
06/23/99	16:43	10	10.5	123	8.8	12	64	9.1	10.5
06/23/99	16:44	10	10.4	122	9.0	17	64	9.7	10.0
06/23/99	16:45	10	10.0	144	9.4	17	64	9.6	9.9
06/23/99	16:46	10	10.3	130	9.1	15	61	9.5	10.1
06/23/99	16:47	9	10.1	131	9.2	16	65	9.8	9.7
06/23/99	16:48	9	9.9	139	9.4	17	63	9.4	10.2
06/23/99	16:49	8	10.3	115	9.1	19	60	9.6	10.0
06/23/99	16:50	9	10.1	131	9.2	16	62B	9.5B	9.9B
06/23/99	16:51	9	10.1	137	9.2	15	59B	9.5B	10.3B
06/23/99	16:52	10	10.1	154	9.2	14	63<	9.9<	9.7<
06/23/99	16:53	10	10.3	141	9.1	13	68	9.7	9.8
06/23/99	16:54	9	10.9	116	8.5	11	63	9.1	10.5
06/23/99	16:55	9	10.3	133	9.0	15	66	9.6	10.0
06/23/99	16:56	10	10.4	137	9.0	15	64	9.8	9.7
06/23/99	16:57	10	9.7	145	9.6	16	74	9.7	9.7
06/23/99	16:58	9	10.4	135	9.0	12	63	9.2	10.5
06/23/99	16:59	8	10.6	109	8.8	16	66	9.6	10.0
06/23/99	17:00	8	9.9	131	9.4	17	68	9.8	9.7
06/23/99	17:01	8	10.2	140	9.2	11	66	9.3	10.2
06/23/99	17:02	7	10.9	118	8.5	10	63	9.1	10.5
06/23/99	17:03	7	10.4	130	8.9	14	73	9.7	9.8
06/23/99	17:04	8	10.1	150	9.2	16	73	9.3	10.3
06/23/99	17:05	8	10.5	113	8.9	13	72	9.8	9.7
06/23/99	17:06	8	10.0	135	9.3	15	70	9.7	9.8
06/23/99	17:07	8	10.5	116	8.9	12	70	9.3	10.3
06/23/99	17:08	8	10.8	105	8.7	14	73	9.1	10.5
06/23/99	17:09	7	10.7	103	8.7	19	69	9.7	9.9
06/23/99	17:10	7	9.9	145	9.4	19	66	9.7	9.8
06/23/99	17:11	7	10.4	136	8.9	17	59	8.8	10.7
		17:03	16:57	17:09	16:54	17:02	17:11	17:11	16:52
Minimum		7	9.7	103	8.5	10	59	8.8	9.7
1-minute Values									
Maximum		11	10.9	154	9.6	19	74	9.9	10.7
		16:42	16:54	16:52	16:57	17:10	16:57	16:52	17:11
Average		9	10.3	130	9.1	15	66	9.5	10.1
Total		261	309.0	3891	271.7	441	1853	265.8	281.7
Recovery (%)		100.00	100.00	100.00	100.00	100.00	93.33	93.33	93.33

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Rm 8

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	16:42	12	171	14	12	87	16
06/23/99	16:43	12	163	15	12	84	15
06/23/99	16:44	18	159	22	11	81	22
06/23/99	16:45	17	182	21	12	80	21
06/23/99	16:46	15	169	18	12	78	18
06/23/99	16:47	17	168	20	10	80	20
06/23/99	16:48	18	174	22	10	81	21
06/23/99	16:49	20	149	24	10	75	24
06/23/99	16:50	17B	166	20B	10	77B	19
06/23/99	16:51	14B	175	18B	10	79B	18
06/23/99	16:52	11<	198	13<	12	77<	17
06/23/99	16:53	11	183	12	11	85	15
06/23/99	16:54	11	160	13	12	84	14
06/23/99	16:55	15	173	17	11	83	19
06/23/99	16:56	15	180	18	13	78	19
06/23/99	16:57	14	179	16	12	91	19
06/23/99	16:58	11	176	14	11	83	14
06/23/99	16:59	16	146	19	10	83	20
06/23/99	17:00	14	164	17	10	83	20
06/23/99	17:01	10	179	12	10	84	14
06/23/99	17:02	11	162	13	9	84	14
06/23/99	17:03	16	170	19	8	90	18
/23/99	17:04	16	192	20	9	94	19
06/23/99	17:05	14	150	16	9	88	17
06/23/99	17:06	13	170	15	10	86	18
06/23/99	17:07	12	154	14	10	91	15
06/23/99	17:08	17	142	21	9	97	19
06/23/99	17:09	21	138	26	9	86	24
06/23/99	17:10	20	182	25	8	82	23
06/23/99	17:11	21	178	27	9	79	21
		17:01	17:09	16:53	17:03	16:49	17:02
Minimum		10	138	12	8	75	14
1-minute Values							
Maximum		21	198	27	13	97	24
		17:09	16:52	17:11	16:56	17:08	17:09
Average		15	168	18	10	84	18
Total		414	5043	498	306	2348	546
Recovery (%)		93.33	100.00	93.33	100.00	93.33	100.00

Run 9

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] N NAME		SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] N UNITS		PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE		200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET		0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL		01	02	03	04	05	06	07	08
06/23/99	17:28	8	10.3	129	9.1	17	49	9.5	10.1
06/23/99	17:29	8	9.9	147	9.4	16	49	9.3	10.2
06/23/99	17:30	7	10.6	125	8.8	14	44	8.4	11.3
06/23/99	17:31	7	11.1	93	8.2	14	46	8.8	10.8
06/23/99	17:32	7	10.3	115	9.0	24	52	9.4	10.1
06/23/99	17:33	7	10.5	124	8.9	16	50	8.8	10.8
06/23/99	17:34	7	10.8	109	8.6	16	49	9.0	10.6
06/23/99	17:35	7	10.5	119	8.9	18	50	8.9	10.7
06/23/99	17:36	7	10.6	118	8.8	17	49	9.4	10.2
06/23/99	17:37	8	10.0	143	9.3	18	51	9.9	9.6
06/23/99	17:38	8	10.3	147	9.0	13	46	8.8	10.7
06/23/99	17:39	7	11.3	105	8.1	13	44	8.5	11.2
06/23/99	17:40	6	11.1	83	8.3	23	47	9.1	10.5
06/23/99	17:41	7	10.4	101	9.0	26	49	9.3	10.3
06/23/99	17:42	7	10.2	112	9.2	22	50	9.8	9.8
06/23/99	17:43	7	9.6	137	9.8	20	55	10.3	9.2
06/23/99	17:44	7	8.9	161	10.3	19	69	10.6	8.9
06/23/99	17:45	8	8.9	169	10.3	12	68	9.9	9.6
06/23/99	17:46	8	9.6	154	9.7	11	59	9.1	10.5
06/23/99	17:47	8	10.4	121	9.0	12	49	8.5	11.2
06/23/99	17:48	7	11.2	92	8.3	12	43	7.9	11.8
06/23/99	17:49	6	11.5	75	8.0	16	44	8.7	11.1
[redacted]/23/99	17:50	6	10.2	110	9.1	27	52B	9.6B	9.8B
[redacted]/23/99	17:51	7	9.7	148	9.6	22	47B	9.4B	10.6B
06/23/99	17:52	6	10.1	156	9.3	15	49<	9.4<	10.2<
06/23/99	17:53	6	10.5	144	9.0	14	48	9.3	10.3
06/23/99	17:54	5	10.5	138	8.9	15	47	9.4	10.3
06/23/99	17:55	5	10.4	138	9.0	16	46	9.2	10.4
06/23/99	17:56	5	10.8	119	8.7	18	44	9.1	10.5
06/23/99	17:57	5	10.0	142	9.4	20	48	9.8	9.7
		17:56	17:44	17:49	17:49	17:46	17:48	17:48	17:44
Minimum		5	8.9	75	8.0	11	43	7.9	8.9
1-minute Values									
Maximum		8	11.5	169	10.3	27	69	10.6	11.8
		17:47	17:49	17:45	17:44	17:50	17:44	17:44	17:48
Average		7	10.3	126	9.0	17	50	9.2	10.4
Total		203	309.9	3769	270.9	512	1389	258.0	290.4
Recovery (%)		100.00	100.00	100.00	100.00	100.00	93.33	93.33	93.33

Run 9

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
CHAN UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	17:28	18	167	22	10	62	21
06/23/99	17:29	17	184	21	8	62	19
06/23/99	17:30	13	167	18	9	63	17
06/23/99	17:31	16	130	21	9	62	19
06/23/99	17:32	28	149	35	8	66	31
06/23/99	17:33	15	164	19	9	67	20
06/23/99	17:34	18	149	23	9	65	21
06/23/99	17:35	18	157	24	8	67	22
06/23/99	17:36	19	158	23	9	63	22
06/23/99	17:37	19	181	21	8	62	23
06/23/99	17:38	12	192	16	9	62	16
06/23/99	17:39	14	151	19	9	62	19
06/23/99	17:40	23	117	30	8	62	31
06/23/99	17:41	24	132	31	7	63	33
06/23/99	17:42	20	143	24	7	62	28
06/23/99	17:43	21	166	24	7	65	24
06/23/99	17:44	17	184	19	7	79	21
06/23/99	17:45	11	194	13	8	81	13
06/23/99	17:46	11	188	13	9	77	12
06/23/99	17:47	12	159	17	10	69	15
06/23/99	17:48	13	130	19	9	64	17
06/23/99	17:49	19	109	26	8	61	23
06/23/99	17:50	31B	141	37B	7	64B	33
06/23/99	17:51	23B	182	31B	7	64B	26
06/23/99	17:52	12<	199	15<	7	63<	19
06/23/99	17:53	14	190	17	6	62	17
06/23/99	17:54	14	182	17	6	61	19
06/23/99	17:55	17	180	21	6	61	20
06/23/99	17:56	18	162	23	6	59	23
06/23/99	17:57	19	178	22	6	59	24
		17:45	17:49	17:45	17:53	17:56	17:46
Minimum		11	109	13	6	59	12
1-minute Values							
Maximum		28	199	35	10	81	33
		17:32	17:52	17:32	17:28	17:45	17:41
Average		17	163	21	8	64	21
Total		469	4879	587	233	1804	642
Recovery (%)		93.33	100.00	93.33	100.00	93.33	100.00

Run 10

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

[redacted] NAME	SO2sk	O2sk	NOXsk	CO2sk	COsk	SO2ec	CO2ec	O2ec
[redacted] UNITS	PPM	%	PPM	%	PPM	PPM	%	%
FULL SCALE	200	25.0	500	20.0	500	1000	20.0	25.0
ZERO OFFSET	0	0.0	0	0.0	0	0	0.0	0.0
START / CHANNEL	01	02	03	04	05	06	07	08
06/23/99 18:11	7	9.9	142	9.4	15	68	10.1	9.4
06/23/99 18:12	8	9.6	176	9.7	14	74	10.0	9.4
06/23/99 18:13	8	10.2	158	9.2	13	70	9.2	10.4
06/23/99 18:14	8	11.2	99	8.2	14	62	8.8	10.9
06/23/99 18:15	8	11.1	87	8.4	18	65	8.9	10.8
06/23/99 18:16	8	10.9	89	8.5	20	62	9.3	10.3
06/23/99 18:17	9	10.0	132	9.3	18	63	9.9	9.6
06/23/99 18:18	10	9.3	164	9.9	15	64	10.2	9.3
06/23/99 18:19	11	9.7	165	9.6	13	59	9.4	10.2
06/23/99 18:20	9	10.7	127	8.8	14	56	8.5	11.2
06/23/99 18:21	9	11.0	93	8.5	19	58	9.2	10.4
06/23/99 18:22	9	10.5	127	8.9	18	56	9.0	10.6
06/23/99 18:23	9	10.5	130	8.9	16	62	9.6	10.0
06/23/99 18:24	10	10.1	158	9.3	16	59	9.4	10.2
06/23/99 18:25	10	10.5	139	9.0	15	54	9.3	10.4
06/23/99 18:26	9	10.2	131	9.2	17	59	9.6	10.0
06/23/99 18:27	9	10.3	134	9.1	16	56	9.2	10.4
06/23/99 18:28	8	10.1	129	9.3	17	62	10.1	9.4
06/23/99 18:29	9	10.1	140	9.3	15	55	9.5	10.1
06/23/99 18:30	9	10.7	108	8.8	14	53	9.4	10.2
06/23/99 18:31	9	10.3	120	9.1	18	60	9.4	10.1
06/23/99 18:32	8	10.8	103	8.6	16	56	9.4	10.3
[redacted]23/99 18:33	8	10.1	113	9.3	19	67	10.1	9.5
[redacted]23/99 18:34	10	9.7	149	9.6	14	61	9.6	10.0
06/23/99 18:35	9	10.5	133	8.9	10	55	8.7	10.9
06/23/99 18:36	8	11.1	93	8.3	13	56	9.1	10.6
06/23/99 18:37	8	10.5	109	8.9	20	60	9.4	10.2
06/23/99 18:38	9	10.0	121	9.4	18	60	10.1	9.4
06/23/99 18:39	9	9.6	167	9.7	11	57	9.6	9.9
06/23/99 18:40	9	10.3	141	9.1	10	56	9.3	10.3
	18:11	18:18	18:15	18:14	18:35	18:30	18:20	18:18
Minimum	7	9.3	87	8.2	10	53	8.5	9.3
1-minute Values								
Maximum	11	11.2	176	9.9	20	74	10.2	11.2
"	18:19	18:14	18:12	18:18	18:37	18:12	18:18	18:20
Average	9	10.3	129	9.1	15	60	9.4	10.1
Total	260	309.3	3874	272.0	463	1800	283.3	304.3
Recovery (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Run 10

DATA LISTING

NAME: UNIT-2 1M TSTCEM/XC LOCATION: CEM SHELTER STATION ID: 20

CHAN NAME		COec	NOXsc	COecc	SO2sc	SO2ec	COskc
UNITS		PPM	PPM	PPM	PPM	PPM	PPM
FULL SCALE		500	1000	1000	500	1000	1000
ZERO OFFSET		0	0	0	0	0	0
START / CHANNEL		09	10	11	12	13	14
06/23/99	18:11	16	177	18	7	81	17
06/23/99	18:12	14	215	15	8	89	16
06/23/99	18:13	13	203	15	10	92	16
06/23/99	18:14	15	139	19	11	84	19
06/23/99	18:15	18	121	23	9	88	25
06/23/99	18:16	20	123	24	9	80	26
06/23/99	18:17	18	168	21	10	77	23
06/23/99	18:18	15	195	17	11	76	18
06/23/99	18:19	13	204	16	12	76	15
06/23/99	18:20	13	170	17	12	79	17
06/23/99	18:21	22	129	28	11	76	26
06/23/99	18:22	16	168	20	12	75	23
06/23/99	18:23	17	173	20	10	78	21
06/23/99	18:24	15	202	18	11	76	20
06/23/99	18:25	17	183	21	12	70	19
06/23/99	18:26	18	168	22	11	75	21
06/23/99	18:27	16	174	20	10	72	20
06/23/99	18:28	19	165	22	10	74	21
06/23/99	18:29	13	179	16	11	70	19
06/23/99	18:30	14	146	17	11	68	18
06/23/99	18:31	18	155	22	11	76	22
06/23/99	18:32	16	140	20	11	72	20
06/23/99	18:33	20	143	23	10	81	24
06/23/99	18:34	12	183	14	11	76	17
06/23/99	18:35	9	177	12	11	76	12
06/23/99	18:36	16	131	20	11	75	17
06/23/99	18:37	24	144	30	10	77	26
06/23/99	18:38	18	153	21	10	71	23
06/23/99	18:39	10	204	12	11	71	13
06/23/99	18:40	11	182	13	10	72	13
		18:35	18:15	18:35	18:11	18:30	18:35
Minimum		9	121	12	7	68	12
1-minute Values							
Maximum		24	215	30	12	92	26
		18:37	18:12	18:37	18:19	18:13	18:16
Average		16	167	19	10	77	19
Total		471	5006	568	308	2297	578
Recovery (%)		100.00	100.00	100.00	100.00	100.00	100.00

APPENDIX E

REFERENCE MEASUREMENT SYSTEM PERFORMANCE TEST RESULTS

CALIBRATION SUMMARY

SOURCE: OMS LEE - FT. MYERS - UNIT 1

REASON: GAS DIVIDER VERIFICATION TEST

DATE : 06-20-1999 TIME: 17:20 - 17:35

A/D CHAN	MONITOR DESCRIPTION	UNITS		GAS VALUE	MONITOR RESPONSE	% ERROR
5	STACK	ppmSO2		0.0	0.1	
5	STACK	ppmSO2		30.0	30.3	1.00
5	STACK	ppmSO2		30.0	30.3	1.00
5	STACK	ppmSO2		30.0	30.3	1.00
5	STACK	ppmSO2		40.0	40.3	0.75
5	STACK	ppmSO2		40.0	40.3	0.75
5	STACK	ppmSO2		40.0	40.1	0.25
5	STACK	ppmSO2	challenge	45.1	44.8	0.67
5	STACK	ppmSO2		45.1	44.7	0.89
5	STACK	ppmSO2		45.1	44.7	0.89
5	STACK	ppmSO2		75.0	76.0	1.33
5	STACK	ppmSO2		75.0	76.0	1.33
5	STACK	ppmSO2		75.0	75.9	1.20
5	STACK	ppmSO2		91.1	91.0	

CALIBRATION SUMMARY

SOURCE: NOX CONVERTER EFFICIENCY TEST ON MODEL 10S

REASON: DIRECT CALIBRATION ERROR

DATE : 06-28-1999 TIME: 14:35 - 14:40

A/D CHAN	MONITOR DESCRIPTION	UNITS	GAS VALUE	MONITOR RESPONSE
4	TECO09	ppmNOX	0.0	0.2
4	TECO09	ppmNOX	456.0	460.7
4	TECO09	ppmNOX	836.0	837.0

NOX CONVERTER EFFICIENCY TEST ON MODEL 10S 06-28-1999

TIME	CHAN 1 STACK % O2	CHAN 2 STACK % CO2	CHAN 5 STACK ppmSO2	CHAN 6 STACK ppmCO	CHAN 4 TECO09 ppmNOX
15:33	0.00	-0.0	0.0	0.1	376.4
15:34	0.00	-0.0	0.0	0.1	376.7
15:35	0.00	0.0	0.0	0.1	376.7
15:36	0.00	-0.1	0.0	0.1	377.0
15:37	0.00	0.1	0.0	0.1	376.9
15:38	0.00	0.1	0.0	0.1	377.0
15:39	0.00	-0.1	0.0	0.1	377.3 Peak
15:40	0.00	-0.1	0.0	0.1	377.0
15:41	0.00	0.0	0.0	0.1	377.1
15:42	0.00	0.0	0.0	0.1	377.3
15:43	0.00	-0.0	0.0	0.1	376.8
15:44	0.00	0.1	0.0	0.1	376.8
15:45	0.00	0.1	0.0	0.1	376.9
15:46	0.00	0.0	0.0	0.1	376.6
15:47	0.00	-0.0	0.0	0.1	376.7
15:48	0.00	-0.1	0.0	0.1	376.6
15:49	0.00	-0.1	0.0	0.1	376.3
15:50	0.00	0.0	0.0	0.1	376.5
15:51	0.00	0.0	0.0	0.1	376.3
15:52	0.00	-0.0	0.0	0.1	376.5
15:53	0.00	-0.1	0.0	0.1	376.3
15:54	0.00	0.1	0.0	0.1	376.0
15:55	0.00	-0.0	0.0	0.1	376.2
15:56	0.00	0.1	0.0	0.1	376.1
15:57	0.00	-0.1	0.0	0.1	375.9
15:58	0.00	-0.0	0.0	0.1	375.7
15:59	0.00	0.0	0.0	0.1	375.6
16:00	0.00	-0.0	0.0	0.1	375.5
16:01	0.00	-0.0	0.0	0.1	375.6
16:02	0.00	-0.0	0.0	0.1	375.3 Lowest
AVERAGE VALUES FOR THE LAST 30 MINUTES					
16:02	0.00	-0.0	0.0	0.1	376.5

COMMENTS: END NOX CONVERTER TEST

$$\%\,Eff. = 1 - \left[\frac{377.3 - 375.3}{377.3}\right] \times 100\%$$

$$= 99.46\%$$

INTERFERENCE RESPONSE

Analyzer Type TECO 10S EEI #9 Span 1000

Serial Number 10S 35-96-353 Date of Test 2-3-98

GAS TYPE	CONCENTRATION	ANALYZER RESPONSE PPM NO	% OF SPAN [1]
CO/N_2	404 ppm	0.0 ppm	0 %
SO_2/N_2	240 ppm	0.0 ppm	0 %
CO_2/N_2	11.06 %	0.0 ppm	0 %
O_2/N_2	23.9 %	0.0 ppm	0 %
		Totals	0 [2]

[1] % SPAN = $\frac{\text{ANALYZER RESPONSE}}{\text{INSTRUMENT SPAN}}$ X 100

[2] SPECIFICATION (EPA METHOD 20): SUM OF INTERFERENCE RESPONSES MUST NOT EXCEED 2% OF SPAN

INTERFERENCE TEST PROCEDURES

ENTROPY followed the manufacturer's recommended set-up procedures contained in the analyzer manual. After the initial set-up procedures were completed the electronics of the analyzer were adjusted according to the manufacturer's guidelines. The analyzer was calibrated by flowing NO calibration gases into the instrument. The SO_2, CO, CO_2, and O_2 calibration gases listed above were injected into the analyzer and the responses were recorded on a strip chart, which was analyzed to determine if the gases caused interference (i.e., deviations from a zero reading) in the NO analyzer.

INTERFERENCE RESPONSE

Analyzer Type Western Research #5 SO_2 Span 0-100 ppmv

Serial Number 90-721AT2-7726-2 Date of Test 7/11/95

GAS TYPE	CONCENTRATION	ANALYZER RESPONSE PPM SO_2	% OF SPAN [1]
CO/N_2	498 ppmv	-0.3	0.3
NO/N_2	448.2 ppmv	-0.1	0.1
CO_2/N_2	17.54 %	-0.2	0.2
O_2/N_2	18.1 %	-0.4	0.4
		Totals	1.0 [2]

[1] % SPAN = $\frac{\text{ANALYZER RESPONSE}}{\text{INSTRUMENT SPAN}}$ X 100

[2] SPECIFICATION (EPA METHOD 20): SUM OF INTERFERENCE RESPONSES MUST NOT EXCEED 2% OF SPAN

INTERFERENCE TEST PROCEDURES

ENTROPY followed the manufacturer's recommended set-up procedures contained in the analyzer manual. After the initial set-up procedures were completed the electronics of the monitor were adjusted according to the manufacturer's guidelines. The monitor was calibrated by flowing SO_2 calibration gases into the instrument. The NO, CO, CO_2, and O_2 calibration gases listed above were injected into the monitor and the responses were recorded on a strip chart, which was analyzed to determine if the gases caused interference (i.e., deviations from a zero reading) in the SO_2 monitor.

CONTINUOUS EMISSIONS MONITORING SET-UP

SOURCE: INTERFERENCE RESPONSE FOR EI WESR5 ON 100 PPM

DATE: 07-11-1995 TIME: 18:42

A/D CHAN	DESCRIP	UNITS	SPAN	INPUT VOLTAGE	ZERO OFFSET
7	WESR5	ppmSO2	100	10.00 V	0%

AVERAGING PERIODS: 3 MINUTES, ONE HOUR,
NO EMISSION RATE CALCULATIONS

Serial # 90-721AT2-7726-2

INTERFERENCE RESPONSE FOR EI WESRS ON 100 PPM 07-11-1995

TIME	CHAN 7 WESRS ppmSO2	
18:44	0.1	
18:45	0.1	N_2
18:46	0.0	
AVERAGE VALUES FOR THE LAST 3 MINUTES		
18:46	0.1	
18:47	-0.2	17.54% CO_2
18:48	-0.2	
18:49	-0.2	
AVERAGE VALUES FOR THE LAST 3 MINUTES		
18:49	-0.2	
18:50	-0.2	448.2 ppm NOx
18:51	0.3	
18:52	-0.1	
AVERAGE VALUES FOR THE LAST 3 MINUTES		
18:52	0.0	
18:53	-0.2	498 ppm CO
18:54	-0.3	
18:55	-0.3	
AVERAGE VALUES FOR THE LAST 3 MINUTES		
18:55	-0.3	
18:56	-0.4	18.1% O_2
18:57	-0.4	
18:58	-0.4	
AVERAGE VALUES FOR THE LAST 3 MINUTES		
18:58	-0.4	
18:59	-0.7	N_2
19:00	-0.8	
19:01	-0.9	
AVERAGE VALUES FOR THE LAST 3 MINUTES		
19:01	-0.8	

COMMENTS: END INTERFERENCE TEST FOR EI WESRS

APPENDIX F

REFERENCE MEASUREMENT CALIBRATION GAS CERTIFICATES

PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Telephone: (213) 585-2154
Facsimile: (714) 542-6689

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIRKINETICS PO#418-HDD P.O NUMBER 418-HDD

REFERENCE STANDARD

COMPONENT		NIST SRM NO.	CYLINDER NO.	CONCENTRATION
OXYGEN	GMIS	vs 2658a	SA 19970	10.04%

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT OXYGEN GMIS ANALYZER MAKE-MODEL-S/N Siemens Oxymat 5E S/N A12-839

ANALYTICAL PRINCIPLE Paramagnetic LAST CALIBRATION DATE 04/10/97

FIRST ANALYSIS DATE 04/30/97 SECOND ANALYSIS DATE

Z 0	R 10.04	C 8.99	CONC. 8.99 %	Z	R	C	CONC.		
R 10.04	Z 0	C 8.99	CONC. 8.99 %	R	Z	C	CONC.		
Z 0	C 8.99	R 10.04	CONC. 8.99 %	Z	C	R	CONC.		
U/M %		MEAN TEST ASSAY	8.99 %	U/M %		MEAN TEST ASSAY			

Values not valid below 150 psig

THIS CYLINDER NO. CC 72707
HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R93/224
OF TRACEABILITY PROTOCOL NO. REV. 9/93
PROCEDURE G1
CERTIFIED ACCURACY ± 1 % NIST TRACEABLE
CYLINDER PRESSURE 2000 PSIG
CERTIFICATION DATE 04/30/97
EXPIRATION DATE 04/30/00 TERM 36 MONTHS

CERTIFIED CONCENTRATION
OXYGEN 8.99 %
NITROGEN BALANCE

ANALYZED BY STEVE GUTIERREZ

CERTIFIED BY VINCENT TO

PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Telephone: (213) 585-2154
Facsimile: (714) 542 6689

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIR KINETICS P.O NUMBER 822

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
OXYGEN GMIS	vs. 2659a	SA 10628	21.04 %

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT OXYGEN GMIS ANALYZER MAKE-MODEL-S/N Siemens Oxymat 5E S/N A12-839

ANALYTICAL PRINCIPLE Paramagnetic LAST CALIBRATION DATE 08/18/98

FIRST ANALYSIS DATE 08/24/98 SECOND ANALYSIS DATE

Z	0.00	R	21.04	C	19.94	CONC. 19.94 %	Z		R	C	CONC.
R	21.04	Z	0.00	C	19.94	CONC. 19.94 %	R		Z	C	CONC.
Z	0.00	C	19.94	R	21.04	CONC. 19.94 %	Z		C	R	CONC.
U/M	%			MEAN TEST ASSAY		19.94 %	U/M	%		MEAN TEST ASSAY	

Values not valid below 150 psig

THIS CYLINDER NO. CC 89976 CERTIFIED CONCENTRATION

HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121 OXYGEN 19.94 %

OF TRACEABILITY PROTOCOL NO. Rev. 9/97 NITROGEN BALANCE

PROCEDURE G1

CERTIFIED ACCURACY ± 1 % NIST TRACEABLE

CYLINDER PRESSURE 2000 PSIG

CERTIFICATION DATE 08/24/98

EXPIRATION DATE 08/24/01 TERM 36 MONTHS

ANALYZED BY STEVE GUTIERREZ

CERTIFIED BY JOSEPH CHARLES

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PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Telephone: (323) 585-2154
Facsimile: (714) 542-6689

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIRKINETICS P.O NUMBER

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
CARBON DIOXIDE GMIS	vs 1674b	52693	10.02 %

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT CARBON DIOXIDE GMIS ANALYZER MAKE-MODEL-S/N Siemens Ultramat 5E S/N A12-730
   ANALYTICAL PRINCIPLE NDIR LAST CALIBRATION DATE 12/28/98
   FIRST ANALYSIS DATE 01/19/99 SECOND ANALYSIS DATE

Z	0.00	R	10.09	C	9.10	CONC. 9.10	Z	R	C	CONC.
R	10.11	Z	0.00	C	9.11	CONC. 9.09	R	Z	C	CONC.
Z	0.00	C	9.10	R	10.14	CONC. 9.06	Z	C	R	CONC.
U/M	%			MEAN TEST ASSAY		9.08 %	U/M	%	MEAN TEST ASSAY	

Values not valid below 150 psig

THIS CYLINDER NO. SA 20496
HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121
OF TRACEABILITY PROTOCOL NO. Rev. 9/97
PROCEDURE G1
CERTIFIED ACCURACY ± 1 % NIST TRACEABLE
CYLINDER PRESSURE 2000 PSIG
CERTIFICATION DATE 01/19/99
EXPIRATION DATE 01/19/02 TERM 36 MONTHS

CERTIFIED CONCENTRATION
CARBON DIOXIDE 9.08 %
NITROGEN BALANCE

ANALYZED BY JOSEPH CHARLES

CERTIFIED BY MICHAEL PHILIPS

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PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Telephone: (323) 585-2154
Facsimile: (714) 542-6689

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIR KINETICS P.O NUMBER

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
CARBON DIOXIDE NTRM	82745x	SA 18781	17.89%

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT CARBON DIOXIDE NTRM ANALYZER MAKE-MODEL-S/N Siemens Ultramat 5E S/N A12-730
ANALYTICAL PRINCIPLE NDIR LAST CALIBRATION DATE 01/29/99
FIRST ANALYSIS DATE 01/29/99 SECOND ANALYSIS DATE

Z 0.00	R 17.90	C 17.64	CONC. 17.63 %	Z	R	C	CONC.	
R 17.90	Z 0.00	C 17.64	CONC. 17.63 %	R	Z	C	CONC.	
Z 0.00	C 17.64	R 17.88	CONC. 17.65 %	Z	C	R	CONC.	
U/M %		MEAN TEST ASSAY 17.64 %		U/M %			MEAN TEST ASSAY	

Values not valid below 150 psig

THIS CYLINDER NO. CC 102165 CERTIFIED CONCENTRATION
HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121 CARBON DIOXIDE 17.64 %
OF TRACEABILITY PROTOCOL NO. Rev. 9/97 NITROGEN BALANCE
PROCEDURE G1
CERTIFIED ACCURACY ± 1 % NIST TRACEABLE
CYLINDER PRESSURE 2000 PSIG
CERTIFICATION DATE 01/29/99
EXPIRATION DATE 01/29/02 TERM 36 MONTHS

ANALYZED BY JOSEPH CHARLES CERTIFIED BY DAVID COX

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RATA CLASS

Scott Specialty Gases

Dual-Analyzed Calibration Standard

2600 CAJON BLVD.,SAN BERNARDINO,CA 92411 Phone: 909-887-2571 Fax: 909-887-0549

CERTIFICATE OF ACCURACY: EPA Protocol Gas

Assay Laboratory

SCOTT SPECIALTY GASES
2600 CAJON BLVD.
SAN BERNARDINO,CA 92411

P.O. No.: 866-WJ
Project No.: 02-72411-002

Customer

AIRKINETICS, INC

5932 BOLSA AVE
SUITE 105
HUNTINGTON BEACH CA 92649

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure #G1; September, 1997.

Cylinder Number: ALM027268 Certification Date: 11/03/98 Exp. Date: 11/03/2001
Cylinder Pressure***: 0900 PSIG Prev Certification Date: 8/25/95

COMPONENT	CERTIFIED CONCENTRATION		ANALYTICAL ACCURACY**	TRACEABILITY
SULFUR DIOXIDE *	2,427	PPM	+/- 1%	NIST
NITROGEN		BALANCE		

*** Do not use when cylinder pressure is below 150 psig.

** Analytical accuracy is inclusive of usual known error sources which at least include precision of the measurement processes. Product certified as +/- 1% analytical accuracy is directly traceable to NIST standards.

* This Protocol has been certified using corrected NIST SO2 standard values, per EPA guidance dated 7/24/96 and will not correlate with uncorrected Protocols.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1696	8/01/02	ALM057777	3131. PPM	SULFUR DIOXIDE

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
HORIBA/OPE - 135D/56463601	10/30/98	NDIR

ANALYZER READINGS

(Z = Zero Gas R = Reference Gas T = Test Gas r = Correlation Coefficient)

First Triad Analysis | Second Triad Analysis | Calibration Curve

SULFUR DIOXIDE *

Date: 08/25/95	Response Unit: PPM	
Z1 = 0.3100	R1 = 3210.0	T1 = 2428.0
R2 = 3214.0	Z2 = 0.5900	T2 = 2429.0
Z3 = 0.4600	T3 = 2326.0	R3 = 3214.0
Avg. Concentration:	2428.	PPM

Date: 11/03/98	Response Unit: MV	
Z1 = 0.0000	R1 = 95.000	T1 = 85.610
R2 = 94.950	Z2 = 0.0000	T2 = 85.570
Z3 = 0.0000	T3 = 85.640	R3 = 94.960
Avg. Concentration:	2426.	PPM

Concentration = A + Bx + Cx2 + Dx3 + Ex4	
r = 0.9999	NTRM 1696
Constants:	A = 0.2397
B = 6.953	C = 0.4689
D = -0.007080	E = 0.00005281

Special Notes: 900PSIG 11-03 CGA 660

APPROVED BY: MW

SUPERVISOR: APPROVED

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PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Telephone: (323) 585-2154
Facsimile: (714) 542-6689

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIR KINETICS P.O NUMBER

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
CARBON MONOXIDE GMIS	vs. 1678c	SA 13644	50.0 ppm

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT CARBON MONOXIDE GMIS ANALYZER MAKE-MODEL-S/N Siemens Ultramat 5E S/N A12-729

ANALYTICAL PRINCIPLE NDIR LAST CALIBRATION DATE 01/22/99

FIRST ANALYSIS DATE 01/29/99 SECOND ANALYSIS DATE 02/05/99

Z	0.0	R	50.0	C	30.0	CONC. 30.0	Z	0.0	R	50.0	C 30.2	CONC. 30.2
R	50.0	Z	0.0	C	29.8	CONC. 29.8	R	50.0	Z	0.0	C 30.0	CONC. 30.0
Z	0.0	C	29.8	R	50.0	CONC. 29.8	Z	0.0	C	30.2	R 50.0	CONC. 30.2

U/M ppm MEAN TEST ASSAY 29.9 ppm U/M ppm MEAN TEST ASSAY 30.1 ppm

Values not valid below 150 psig

THIS CYLINDER NO. SGAL 816 CERTIFIED CONCENTRATION

HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121 CARBON MONOXIDE 30.0 ppm

OF TRACEABILITY PROTOCOL NO. Rev. 9/97 NITROGEN BALANCE

PROCEDURE G1

CERTIFIED ACCURACY ± 1 % NIST TRACEABLE

CYLINDER PRESSURE 2000 PSIG

CERTIFICATION DATE 02/05/99

EXPIRATION DATE 02/05/02 TERM 36 MONTHS

ANALYZED BY JOSEPH CHARLES CERTIFIED BY MICHAEL PHILIPS

F 7

SCOTT-MARRIN, INC.
6531 BOX SPRINGS BLVD. • RIVERSIDE, CA 92507
TELEPHONE (909) 653-6780 • FAX (909) 653-2430

REPORT OF ANALYSIS
EPA PROTOCOL GAS MIXTURES

AIRKØ1
TO: HUNG DUONG
AIRKINETICS INC
5932 BOLSA AVE
STE 1Ø5
HUNTINGTON BCH, CA 92649-

DATE : Ø2/17/99

CUSTOMER ORDER NUMBER: 919-HDD

PAGE 1

COMPONENT	CONCENTRATION(v/v) +/-EPA UNCERTAINTY	REFERENCE STANDARD	ANALYZER MAKE,MODEL,S/N,DETECTION	EXPIRATION DATE	REPLICATE ANALYSIS DATA	
CYLINDER NO.: CC542						
			Carle Instn Model 8000		Ø2/Ø3/99	Ø2/1Ø/99
Carbon monoxide	91.5 ±.1 ppm	GMIS	S/N 8249	Ø2/1Ø/Ø2	91.5 ppm	91.2 ppm
		Cylinder #	Methanation/FID		91.6 ppm	91.4 ppm
Nitrogen	Balance	CC4ØØ51	Gas Chromatography		91.6 ppm	91.4 ppm
Cylinder Pressure: 2ØØØ psig		@ 116.8 ppm	Last Cal Date: Ø2/Ø3/99		Mean: 91.6 ppm	91.3 ppm

ppm = umole/mole % = mole-%

The above analyses were performed in accordance with Procedure G1 of the EPA Traceability Protocol, Report Number EPA-6ØØ/R93/224, dated September 1993.
This cylinder should not be used if the pressure is less than 15Ø psig.

Analyst: Mark J. Monson
M.J. Monson

Approved: M Todd Dawson
for J.T. Marrin

F 8

PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Telephone: (323) 585-2154
Facsimile: (714) 542-6689

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIRKINETICS

P.O NUMBER

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
SULFUR DIOXIDE GMIS	vs.SRM#1693	SA 10638	47.7 ppm

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT SULFUR DIOXIDE GMIS ANALYZER MAKE-MODEL-S/N Thermo Env. 43C S/N 43C/F-55848-305

ANALYTICAL PRINCIPLE Pulsed Fluorescence LAST CALIBRATION DATE 01/11/99

FIRST ANALYSIS DATE 01/22/99 SECOND ANALYSIS DATE 02/04/99

Z 0	R 47.7	C 45.1	CONC. 45.1		Z 0	R 47.7	C 45.1	CONC. 45.1	
R 47.8	Z 0	C 45.2	CONC. 45.1		R 47.9	Z 0	C 45.2	CONC. 45.0	
Z 0	C 45.1	R 47.7	CONC. 45.1		Z 0	C 45.4	R 47.9	CONC. 45.2	
U/M ppm		MEAN TEST ASSAY	45.1		U/M ppm		MEAN TEST ASSAY	45.1	

Values not valid below 150 psig.

THIS CYLINDER NO. SGAL 2513

HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121

OF TRACEABILITY PROTOCOL NO. Rev. 9/97

PROCEDURE G1

CERTIFIED ACCURACY ± 2 % NIST TRACEABLE

CYLINDER PRESSURE 2000 PSIG

CERTIFICATION DATE 02/04/99

EXPIRATION DATE 02/04/01 TERM 24 MONTHS

CERTIFIED CONCENTRATION

SULFUR DIOXIDE	45.1 ppm
NITROGEN	BALANCE

ANALYZED BY DAVID COX

CERTIFIED BY PHU TIEN NGUYEN

F

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CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIRKINETICS

P.O NUMBER

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
SULFUR DIOXIDE GMIS	vs.SRM#1694	SA 7614	95.0 ppm

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT SULFUR DIOXIDE GMIS ANALYZER MAKE-MODEL-S/N Thermo Env. 43C S/N 43C/F-55848-305

ANALYTICAL PRINCIPLE Pulsed Fluorescence LAST CALIBRATION DATE 01/11/99

FIRST ANALYSIS DATE 02/01/99 SECOND ANALYSIS DATE 02/08/99

Z	0	R	95.1	C	91.1	CONC. 91.0	Z	0	R	95.0	C 91.0 CONC. 91.0
R	95.0	Z	0	C	91.4	CONC. 91.4	R	95.0	Z	0	C 91.1 CONC. 91.1
Z	0	C	91.4	R	95.1	CONC. 91.3	Z	0	C	91.1	R 95.0 CONC. 91.1
U/M	ppm			MEAN TEST ASSAY		91.2	U/M	ppm			MEAN TEST ASSAY 91.1

Values not valid below 150 psig.

THIS CYLINDER NO. SA 3578 CERTIFIED CONCENTRATION

HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121 SULFUR DIOXIDE 91.1 ppm

OF TRACEABILITY PROTOCOL NO. Rev. 9/97 NITROGEN BALANCE

PROCEDURE G1

CERTIFIED ACCURACY ± 2 % NIST TRACEABLE

CYLINDER PRESSURE 2000 PSIG

CERTIFICATION DATE 02/08/99

EXPIRATION DATE 02/08/01 TERM 24 MONTHS

ANALYZED BY DAVID COX

CERTIFIED BY PHU TIEN NGUYEN

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CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER DELTA P.O NUMBER

REFERENCE STANDARD

COMPONENT		TEST SRM NO.	CYLINDER NO.	CONCENTRATION
NITRIC OXIDE	NTRM	[illegible] 21686	SA 19475	496 ppm

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT NITRIC OXIDE NTRM ANALYZER MAKE-MODEL-S/N Beckman 951A S/N 0101354
ANALYTICAL PRINCIPLE Chemiluminescence LAST CALIBRATION DATE 01/08/99
FIRST ANALYSIS DATE 01/26/99 SECOND ANALYSIS DATE 02/03/99

Z 0	R 424.0	C 384.2	CONC. 449		Z 0	R 422.8	C 383.6	CONC. 450	
R 424.3	Z 0	C 386.4	CONC. 452		R 423.3	Z 0	C 385.8	CONC. 452	
Z 0	C 387.1	R 424.0	CONC. 453		Z 0	C 385.9	R 423.2	CONC. 452	
U/M ppm		MEAN TEST ASSAY 451			U/M ppm		MEAN TEST ASSAY 451		

NOx values for reference only.
All values not valid below 150 psig.

THIS CYLINDER NO. CC 104639
HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121
OF TRACEABILITY PROTOCOL NO. Rev. 9/97
PROCEDURE G1
CERTIFIED ACCURACY ± 1 % NIST-TRACEABLE
CYLINDER PRESSURE 2000 PSIG
CERTIFICATION DATE 02/03/99
EXPIRATION DATE 02/03/01 [illegible]

CERTIFIED CONCENTRATION

NITRIC OXIDE	451 ppm
NITROGEN	BALANCE
NOx	456 ppm

ANALYZED BY [signature] CERTIFIED BY [signature] DAVID SAMSON

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Los Angeles, CA 90058
Telephone: (323) 585-2154
Facsimile: (714) 542-6689

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIRKINETICS P.O NUMBER PT#638937

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
NITRIC OXIDE GMIS	vs.SRM#1687	SA 13908	978.7 ppm

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT NITRIC OXIDE GMIS ANALYZER MAKE-MODEL-S/N Beckman 951A S/N 0101354

ANALYTICAL PRINCIPLE Chemiluminescence LAST CALIBRATION DATE 03/11/99

FIRST ANALYSIS DATE 03/26/99 SECOND ANALYSIS DATE 04/02/99

Z 0	R 805.7	C 680.1	CONC. 826	Z 0	R 787.5	C 666.3	CONC. 828
R 805.4	Z 0	C 680.2	CONC. 826	R 788.6	Z 0	C 667.4	CONC. 828
Z 0	C 680.5	R 806.3	CONC. 826	Z 0	C 667.0	R 789.1	CONC. 827
U/M ppm		MEAN TEST ASSAY	826	U/M ppm		MEAN TEST ASSAY	828

NOx values for reference only.
All values not valid below 150 psig.

THIS CYLINDER NO. SA 15301
HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121
OF TRACEABILITY PROTOCOL NO. Rev. 9/97
PROCEDURE G1
CERTIFIED ACCURACY ± 1 % NIST TRACEABLE
CYLINDER PRESSURE 1800 PSIG
CERTIFICATION DATE 04/02/99
EXPIRATION DATE 04/02/01 TERM 24 MONTHS

CERTIFIED CONCENTRATION

NITRIC OXIDE	827 ppm
NITROGEN	BALANCE
NOx	836 ppm

SA 15301
Exp: 4/2/01

ANALYZED BY MICHAEL PEREZ

CERTIFIED BY PHU TIEN NGUYEN

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5700 South Alameda Street
Los Angeles, CA 90058
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Facsimile: (714) 542-6689

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

CUSTOMER AIRKINETICS P.O NUMBER

REFERENCE STANDARD

COMPONENT	NIST SRM NO.	CYLINDER NO.	CONCENTRATION
PROPANE GMIS	vs. 1666b	SA 5175	29.93 ppm

ANALYZER READINGS

R=REFERENCE STANDARD *Z=ZERO GAS* *C=GAS CANDIDATE*

1. COMPONENT PROPANE GMIS ANALYZER MAKE-MODEL-S/N HORIBA, FIA-510, 851135122

ANALYTICAL PRINCIPLE Flame Ionization Detector LAST CALIBRATION DATE 01/08/99

FIRST ANALYSIS DATE 01/20/99 SECOND ANALYSIS DATE

Z 0	R 77.3	C 39.0	CONC. 15.1	Z	R	C	CONC.	
R 77.1	Z 0	C 39.0	CONC. 15.1	R	Z	C	CONC.	
Z 0	C 38.9	R 76.9	CONC. 15.1	Z	C	R	CONC.	
U/M ppm		MEAN TEST ASSAY 15.1 ppm		U/M ppm			MEAN TEST ASSAY	

Values not valid below 150 psig

THIS CYLINDER NO. CC 74763 CERTIFIED CONCENTRATION
HAS BEEN CERTIFIED ACCORDING TO SECTION EPA-600/R97/121 PROPANE 15.1 ppm
OF TRACEABILITY PROTOCOL NO. Rev. 9/97 ULTRA ZERO AIR BALANCE
PROCEDURE G1
CERTIFIED ACCURACY ± 1 % NIST TRACEABLE
CYLINDER PRESSURE 2000 PSIG
CERTIFICATION DATE 01/20/99
EXPIRATION DATE 01/20/02 TERM 36 MONTHS

ANALYZED BY JOSEPH CHARLES

CERTIFIED BY PHU TIEN NGUYEN

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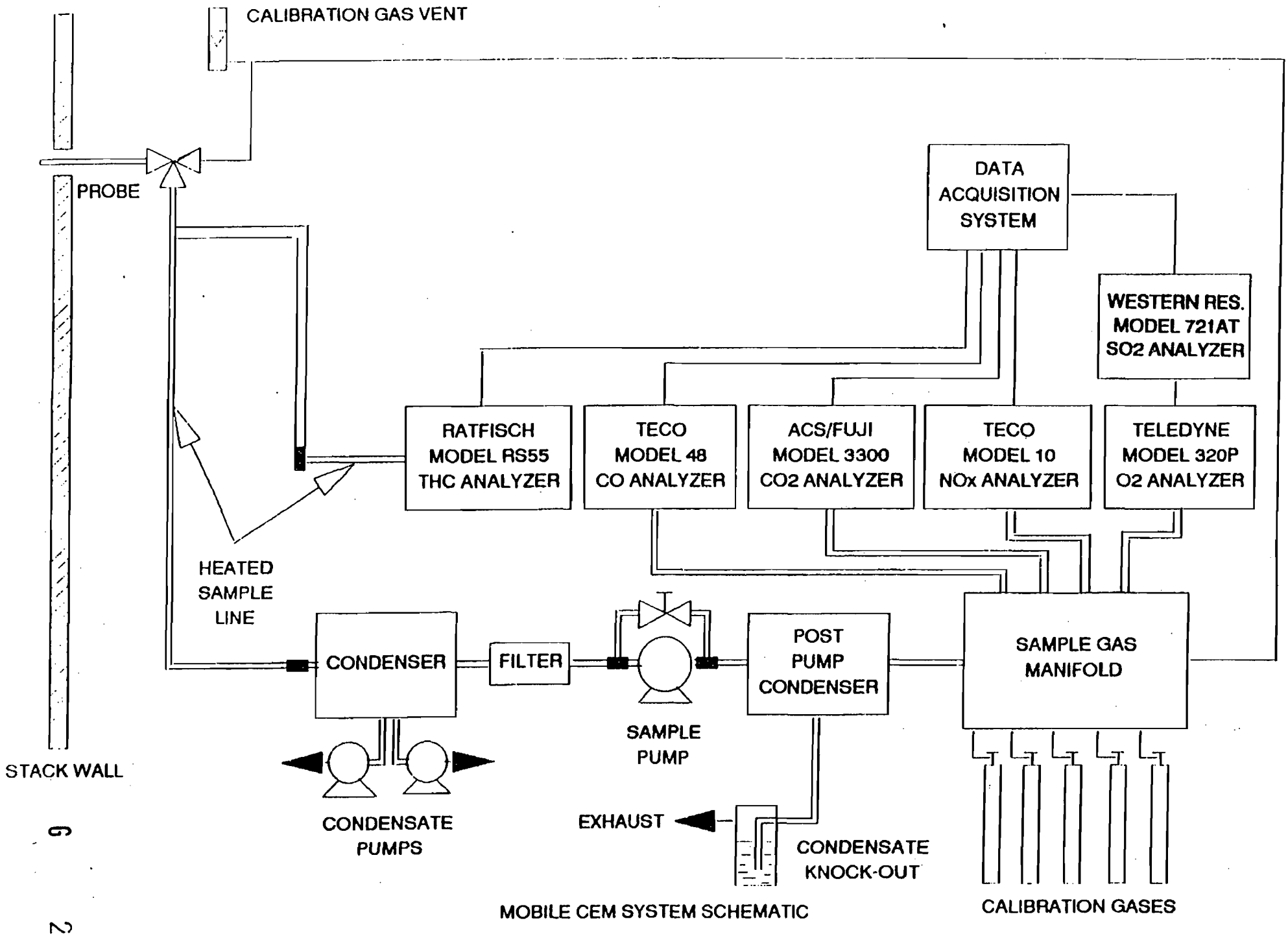
APPENDIX G

REFERENCE MEASUREMENT SAMPLING SYSTEM SCHEMATIC



MOBILE CEM SYSTEM SCHEMATIC