SOURCE TEST REPORT

UNIT 29F-4
CO CONCENTRATION

Prepared For:

ExxonMobil Torrance Refinery
3700 West 190th Street
Torrance, California 90509

Test Date:
June 24, 2010

Issue Date:
July 13, 2010

Tested By:
Delta Air Quality Services
1845 North Case Street
Orange, California 92865-4234
(714) 279-6777 Fax (714) 279-6781

Report Number: **R528243**

Prepared By: _____
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Delta
Air Quality Services, Incorporated

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1.0 EXECUTIVE SUMMARY

Plant	ExxonMobil Torrance Refinery
Address	3700 West 190th Street Torrance, California 90509
Source	29F-4
Facility ID Number	800089
Device ID Number	C952
Test Objective	O_2 and CO Concentrations
Test Methods	SCAQMD Method 100.1 –O_2 and CO
Date(s) of Test	June 24, 2010
Test Performed By	Delta Air Quality Services, Inc. 1845 North Case Street Orange, California 92865-4234
Test Personnel	Ali Aleshaiker, Dan Avila, and Mike Edmondson of Delta Air Quality Services, Inc.
Testing Firm Contact	Ali Aleshaiker (714) 279-6777
Plant Contacts:	Mr. Parvez Abbas (310) 212-1755
District Engineer	Glenn Kasai (909) 396-2271
Air Pollution Control District	South Coast Air Quality Management District

2.0 SUMMARY OF RESULTS

The test results are summarized in Table 2-1.

TABLE 2-1
TEST RESULTS

Test Date: 6/24/10 Unit: 29F-4		
Time: 17:45-18:45		
Parameters	Results	Limit
O_2 %	3.6	-
CO, dry ppm	394.4	2,000 (Rule 407)
CO, dry ppm @ 3% O_2 correction	408.5	-

3.0 INTRODUCTION

On June 24, 2010, Delta Air Quality Services (Delta) conducted a carbon monoxide (CO) concentration test on the stack of Unit 29F-4 (C952). The source is owned and operated by ExxonMobil Torrance Refinery located in Torrance, CA.

The reference methodology for measuring CO and oxygen (O_2) concentrations was South Coast Air Quality Management District (SCAQMD) Method 100.1. One 60-minute run was conducted for the test.

The Delta test team consisted of Ali Aleshaiker, Dan Avila, and Mike Edmondson. Mr. Parvez Abbas of ExxonMobil coordinated the testing.

4.0 EQUIPMENT AND PROCESS DESCRIPTION

4.1 PROCESS DESCRIPTION

The 29F-4 Sulfur Recovery Unit (SRU) treats rich DEA and sour water streams in order to remove hydrogen sulfide (H_2S) from refinery process streams. In doing so, acid and sour water are produced. The SRU converts H_2S and mercaptans to elemental sulfur by controlled combustion followed by reaction of unconverted acid gas over an aluminum oxide catalyst. The feed is first combusted with air to form sulfur and water. The off-gas is cooled and the sulfur is condensed as a liquid. The remaining gases are reheated and passed through a series of catalytic beds to increase conversion. Unconverted acid gas leaves the process as a tail gas stream and is converted to sulfur in a tail gas unit.

5.0 REFERENCE METHOD SAMPLING TECHNIQUES

5.1 SCAQMD METHOD 100.1 –CO AND O_2 CONCENTRATIONS

CO and O_2 concentrations were measured using SCAQMD Method 100.1. Delta utilizes a mobile emission measurement laboratory for the performance of CO and O_2 measurements. The laboratory is housed in a clean, quiet, environmentally controlled base for the testing operations. The laboratory has lighting, electrical distribution, air conditioning and heating to support the test instruments and provide for optimal test performance. A diagram of Delta's mobile emission monitoring system is presented in Figure 5-1.

Previous tests have been performed which demonstrated the absence of significant gaseous stratification. All gaseous samples were collected from a single point as near to the center of stack as possible.

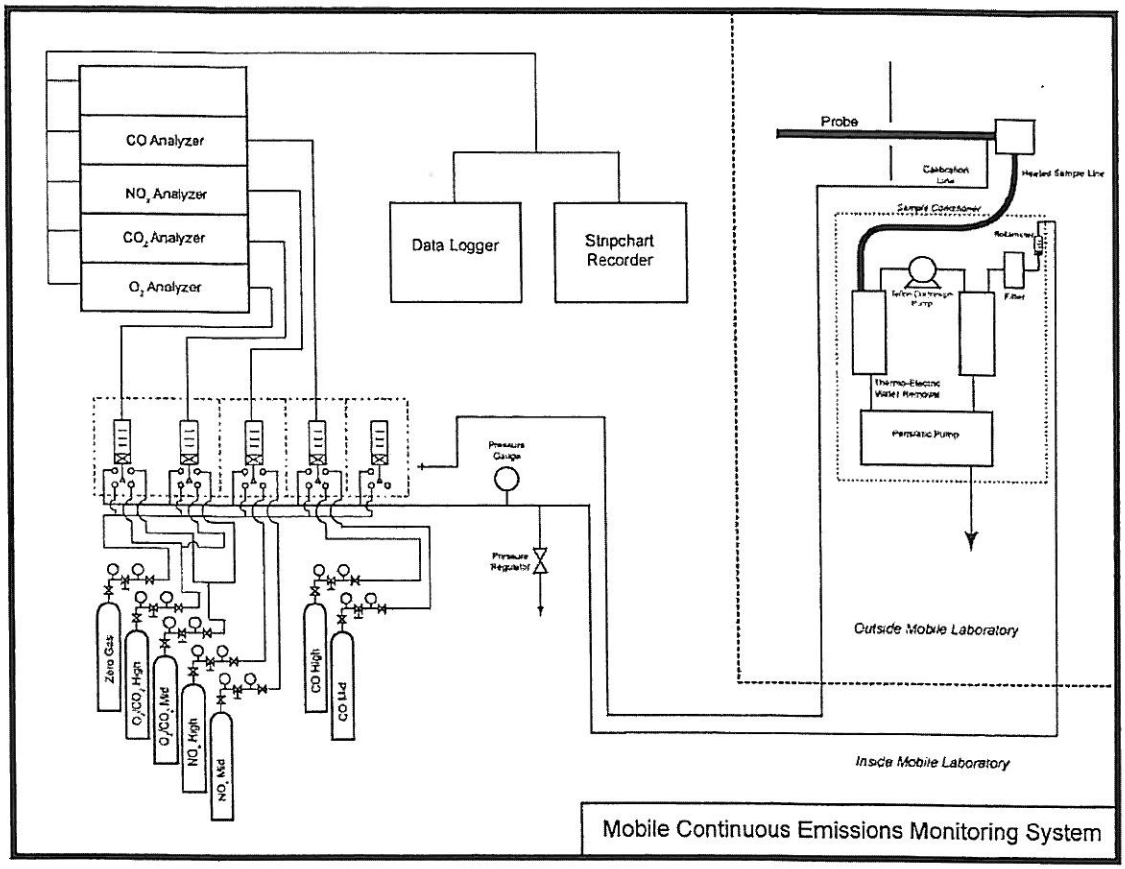
All quality assurance procedures required by SCAQMD Method 100.1 were performed including: calibration error, sample system bias, and analyzer drift.

O_2 and CO concentrations were measured using an extractive sampling system consisting of a heated probe, a heat traced Teflon sample line connected to a thermo-electrically cooled sample dryer. Following the dryer, the sample was filtered then drawn into a Teflon lined pump where it was pressurized for delivery to the gas analysis portion of the system. Table 5-1 summarizes the reference method (RM) analyzers which were used for this test program.

TABLE 5-1
REFERENCE METHOD ANALYZERS

Analyzer	Make	Model	S/N	Range	Comments
O_2	AMI	201	040910-1	0-10%	
CO	Thermo	48i	818330853	0-1,000 ppm	
TE Cooler *	Universal	3080	N/A	N/A	

FIGURE 5-1
REFERENCE METHOD CEMS DIAGRAM (SCAQMD METHOD 100.1)



5.2 REFERENCE METHOD QA/QC PROGRAM SUMMARY

Delta Air Quality Services, Inc. is committed to providing emission related data which is complete, precise, accurate, representative, and comparable. Delta's quality assurance program and procedures are designed to ensure that the data meet or exceed the requirements of each test method for each of these items. The quality assurance program consists of the following items:

- Assignment of an internal QA Officer
- Development and use of an internal QA Manual
- Personnel training
- Equipment maintenance and calibration
- Knowledge of current test methods
- Chain-of-custody
- QA reviews of test programs

Assignment of an Internal QA Officer: Delta has assigned an internal QA Officer who is responsible for administering all aspects of the QA program.

Internal Quality Assurance Manual: Delta has prepared a QA Manual according to the guidelines issued by EPA. The manual documents and formalizes all of Delta's QA efforts. The manual is a "living" document which is revised as Delta adds capabilities and procedures. The QA manual provides details on the items provided in this summary.

Personnel Training: Personnel training are essential to the production of high quality test results. Delta's training programs include:

- A requirement for all technical personnel to read and understand the test methods performed
- A requirement for all technical personnel to read and understand the Delta QA manual
- In-house training
- Quality Assurance meetings
- Attendance at EPA sponsored training courses
- Maintenance of training records.

Equipment Maintenance and Calibration: All laboratory and field equipment used as a part of Delta's emission measurement programs is maintained according to manufacturer's recommendations. A summary of the major equipment maintenance schedules is summarized in Table 5-2. In addition to routine maintenance, calibrations are performed on all sampling equipment according to the procedures outlined in the applicable test method. The calibration intervals and techniques for major equipment components are summarized in Table 5-3.

Knowledge of Current Test Methods: Delta maintains current copies of EPA, ARB, and SCAQMD Source Test Manuals and Rules and Regulations. Delta personnel coordinate, attend, and present papers at emission testing related conferences. Delta personnel

maintain memberships in the Air and Waste Management Association and Source Evaluation Society. Delta personnel continually work with industry and regulatory agencies in monitoring and developing new methods and rules.

Chain-of-Custody: Delta maintains chain-of-custody documentation on all data sheets and samples. Samples are stored in a locked area accessible only to Delta source test personnel. Data sheets are kept in the custody of the originator, program manager, or in locked storage until return to Delta's office. Upon return to the office, copies are made and stored in a locking file. The original data sheets are used for report preparation and any additions are initialed and dated.

QA Reviews: Every Delta report is reviewed by someone separate from the report author. The reviewer is selected based on knowledge of the test methods used and the source tested. Periodic field, laboratory, and report reviews are performed by the QA Officer. Test plans are reviewed to ensure proper test methods are selected and reports are reviewed to ensure that the methods were followed and any deviations from the methods are justified and documented.

TABLE 5-2
EQUIPMENT MAINTENANCE SCHEDULE

Equipment	Acceptance Limits	Frequency of Service	Methods of Service
Pumps	1. Absence of leaks 2. Ability to draw manufacturers required vacuum and flow	Every 500 hours of operation or 6 months, whichever is less	1. Visual inspection 2. Clean 3. Replace parts 4. Leak check
Flow Meters	1. Free mechanical movement	Every 500 hours of operation or 6 months, whichever is less	1. Visual inspection 2. Clean 3. Calibrate
Sampling Instruments	1. Absence of malfunction 2. Proper response to zero, span gas	As recommended by manufacturer	As recommended by manufacturer
Integrated sampling tanks	1. Absence of leaks	Depends on nature of use	1. Steam clean 2. Leak check
Mobile van sampling system	1. Absence of leaks	Depends on nature of use	1. Change filters 2. Change gas dryer 3. Leak check 4. Check for system contamination
Sampling lines	1. Sample degradation less than 2%	After each test series	1. Blow dry, inert gas through line until dry.

TABLE 5-3
MAJOR SAMPLING EQUIPMENT CALIBRATION REQUIREMENTS

Sampling Equipment	Calibration Frequency	Calibration Procedure	Acceptable Calibration Criteria
Continuous Analyzers	Before and after each test run	3-point calibration error test	< 2% of analyzer range
Continuous Analyzers	Before and after each test run	2-point sample system bias check	< 5% of analyzer range
Continuous Analyzers	After each test run	2-point analyzer drift determination	< 3% of analyzer range
CEMS System	Optional	leak check	< 1 in. Hg decrease in 5 min. at > 20 in. Hg
Continuous Analyzers	Before and after each test	3-point linearity	< 1% of analyzer range
System Response Time	During test day	In conjunction with System Bias test	< 5 minutes
NO_x Analyzer	Daily	NO_2 -> NO converter efficiency	> 90%
S-type pitot tube	Annually	Dimensional calibration (every pitot tube)	Meet dimensional criteria of Method 2
S-type pitot tube	Annually	Wind tunnel calibration (Selected pitot tubes	Defined in Method 2
S-type pitot tube	Prior to each use	Visual inspection	Meet dimensional criteria of Method 2
Manometer	Semi-annually	Clean and replace fluid	
Barometer	Semi-annually	Adjusted to mercury-in-glass or National Weather Service Station	+/- 0.1 inches Hg
Dry gas meter	Semi-annually	Triplicate calibration check at 4 flow rates using a NIST traceable standard	+/- 2%
Dry gas meter	Bi-monthly	Triplicate calibration check at 2 flow rates using a NIST traceable standard	+/- 2% of semi-annual factor
Temperature sensors	Semi-annually	3-point calibration vs. NIST traceable standard	+/- 1.5%

6.0 TEST RESULTS

The RM CO concentration (ppmv, dry) corrected to 3% O_2 is 408.5 ppmc. The raw data is presented in Appendix A.

All reference method QA/QC checks were within the SCAQMD specifications. Table 6-1 summarizes the results for the calibration error, analyzer linearity, sample system bias, analyzer drift, and response time checks.

TABLE 6-1
REFERENCE METHOD QA/QC SUMMARY

Parameter	O_2	Page #	CO	Page #	Allowable Limits
Calibration Error (max):					
Zero	0.7%	A.1-2	0.1%	A.1-2	< 2% FS
Mid	0.8%	A.1-2	0.3%	A.1-2	< 2% FS
High	0.7%	A.1-2	0.9%	A.1-2	< 2% FS
Sample System Bias (max):					
Zero	0.1%	A.1-2	0.0%	A.1-2	< 5% FS
Span	0.2%	A.1-2	0.2%	A.1-2	< 5% FS
Analyzer Drift (max):					
Zero	0.0%	A.4-2	0.0%	A.4-2	< 3% FS
Span	0.2%	A.4-2	0.2%	A.4-2	< 3% FS
Analyzer Linearity:	0.1%	A.1-2	0.2%	A.1-2	< 1% FS
Response Time (minutes)	<2	A.3-2	<2	A.3-2	< 5 minutes
Gas Conditioner Temp:			32.9	A.3-2	< 37°F

7.0 TEST CRITIQUE

The test program was successful in meeting the program objectives. The reported results are considered representative and accurate. No anomalies occurred during testing.

APPENDIX A REFERENCE METHOD DATA

Appendix A.1 Reference Method Test Results

A.1-2

Delta Air Quality Services

RM CAL ERROR - SYSTEM BIAS DATA

FACILITY:	ExxonMobil Torrance Refinery
UNIT TESTED:	29F-4
DATE:	6/24/2010
Runs:	1

SPAN GAS RECORD

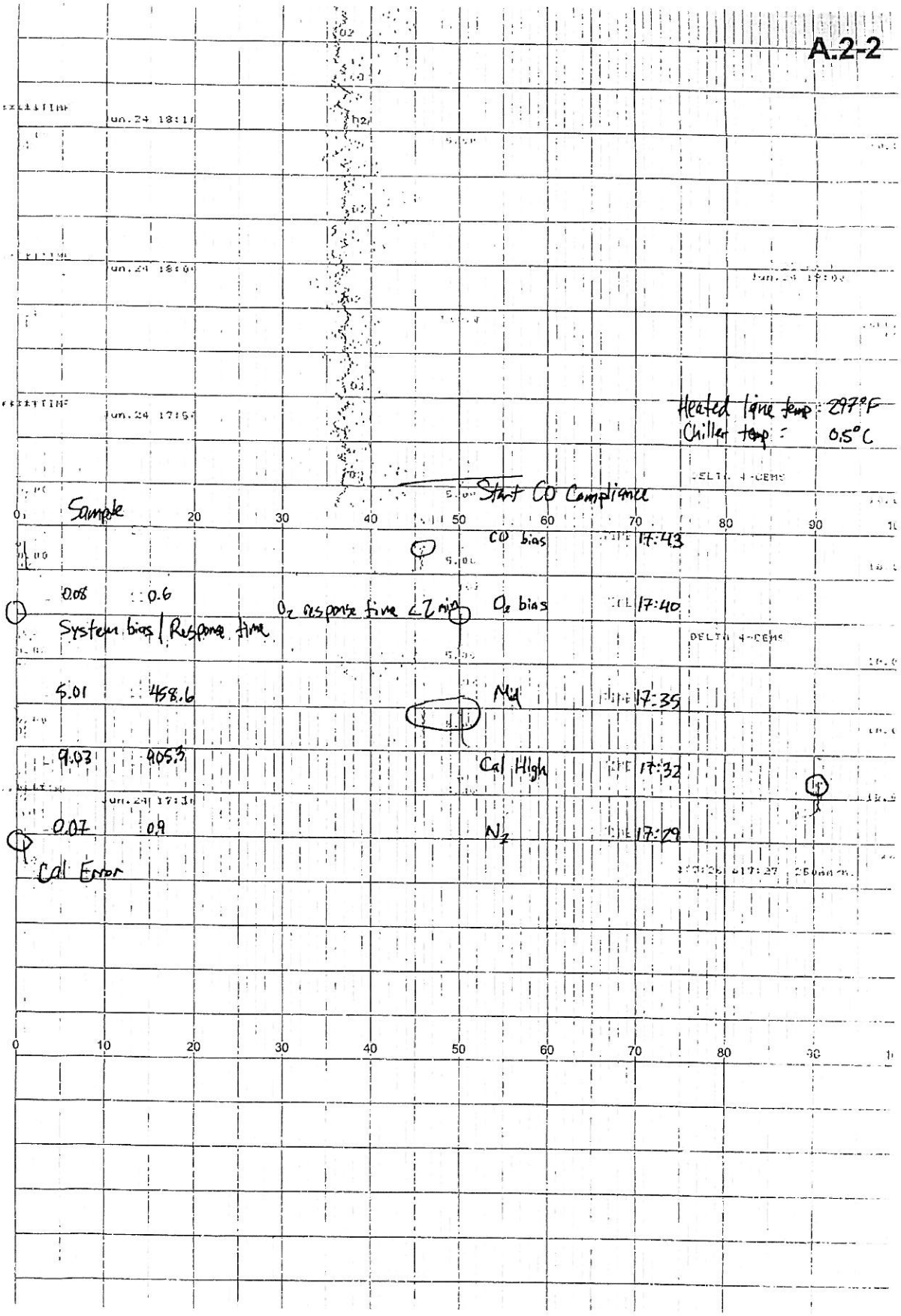
	MID SPAN CYLINDER		HIGH SPAN CYLINDER	
	CYLINDER NO.	CONCENTRATION	CYLINDER NO.	CONCENTRATION
ZERO		0		
O_2	CC95836	4.96	CC198145	9.00
CO	SA8597	456	SA7487	902

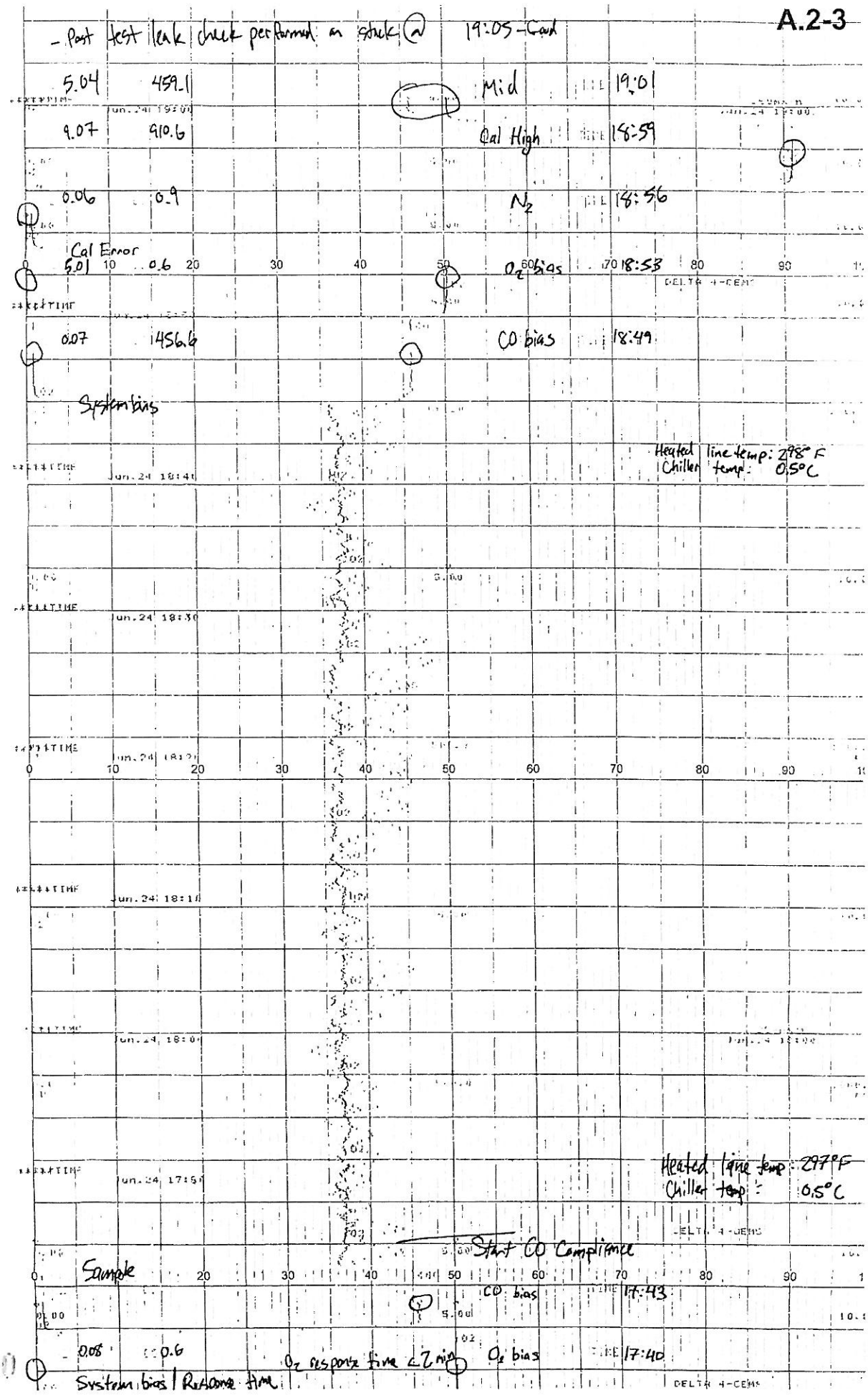
	Cylinder Gas Values:	O_2	CO	
A	Zero Gas Concentration	0.00	0.0	
B	High Range Gas Concentration	9.00	902.0	
C	Mid Range Gas Concentration	4.96	456.0	
	Pre-test Calibration Gas Injections			
D	Initial Direct Zero Response	0.07	0.9	
E	Initial Direct High Span Response	9.03	905.3	
F	Initial Direct Mid Span Response	5.01	458.6	
G	Initial System Bias Zero Response	0.07	0.6	
H	Initial System Bias Span Response	5.00	456.6	
	Post-test Calibration Gas Injections			
I	Final System Bias Zero Response	0.07	0.6	
J	Final System Bias Span Response	5.01	458.9	
K	Final Zero Response	0.06	0.9	
L	Final High Span Response	9.07	910.6	
M	Final Mid Span Response	5.04	459.1	
N	Analyzer Range	10	1000	
	Method 100.1 Requirements			**Limits**
0	Initial Linearity, (%) = {[C-((F-D)(B/(E-D)))]/N} x 100	0.0	0.0	<1% F.S.
P	Initial Cal Error, Zero (%F.S.) = [(D-A)/N] x 100	0.7	0.1	<2% F.S.
Q	Initial Cal Error, Mid (%F.S.) = [(F-C)/N] x 100	0.5	0.3	<2% F.S.
R	Initial Cal Error, High (%F.S.) = [(E-B)/N] x 100	0.3	0.3	<2% F.S.
S	Initial System Bias Zero, (%F.S.) = [(G-D)/N] x 100	0.0	0.0	<5% F.S.
T	Initial System Bias Span, (%F.S.) = [(H-*E)/N] x 100	-0.1	-0.2	<5% F.S.
U	Final System Bias Zero, (%F.S.) = [(I-K)/N] x 100	0.1	0.0	<5% F.S.
V	Final System Bias Span, (%F.S.) = [(J-L**)/N] x 100	-0.2	0.0	<5% F.S.
W	Final Cal Error, Zero (%F.S.) = [(K-A)/N] x 100	0.6	0.1	<2% F.S.
X	Final Cal Error, Mid (%F.S.) = [(M-C)/N] x 100	0.8	0.3	<2% F.S.
Y	Final Cal Error, High (%F.S.) = [(L-B))/N] x 100	0.7	0.9	<2% F.S.
Z	Final Linearity, (%) = {[C - ((M-K)(B/(L-K)))]/N} x 100	-0.1	0.2	<1% F.S.

* E or F

** L or M

Appendix A.2 Reference Method Stripcharts and DAS Data


Jun.24 18:11
Jun.24 18:00
Jun.24 17:51
Heated line temp: 297°F
Chiller temp: 0.5°C
Start CO Compliance
Sample
CO bias 17:43
0.08 0.6
O2 response time <2 min
O2 bias 17:40
System bias / Response time
5.01 458.6
Mid 17:35
9.03 905.3
Cal High 17:32
Jun.24 17:31
0.07 0.9
N2 17:29
Cal Error
0 10 20 30 40 50 60 70 80 90


- Post test leak check performed on stack @ 19:05 - Cont
5.04 459.1
Mid 19:01
9.07 910.6
Cal High 18:59
0.06 0.9
N2 18:56
Cal Error
5.01 0.6
O2 bias 18:53
DELTA 4-CEMS
0.07 1456.6
CO bias 18:49
System bias
Heated line temp: 298°F
Chiller temp: 0.5°C
Jun.24 18:40
Jun.24 18:30
Jun.24 18:20
Jun.24 18:10
Jun.24 18:00
Jun.24 17:50
Heated line temp: 297°F
Chiller temp: 0.5°C
Start CO Compliance
Sample
CO bias 17:43
0.08 0.6
O2 response time < 2 min
O2 bias 17:40
System bias / Response time
DELTA 4-CEMS

Reference Method DAS Data
EXXONMOBIL Torrance Refinery Unit 29F-4
CO Compliance

Date	Time	O2 %	CO ppm	
6/24/2010	17:28:00	0.12	5.2	Cal Error
6/24/2010	17:29:00	0.07	0.9	N2
6/24/2010	17:30:00	5.82	371.7	
6/24/2010	17:31:00	9.03	903.2	
6/24/2010	17:32:00	9.03	905.3	Cal High
6/24/2010	17:33:00	6.06	631.3	
6/24/2010	17:34:00	5.01	455.3	
6/24/2010	17:35:00	5.01	458.6	Mid
6/24/2010	17:36:00	4.14	437.0	
6/24/2010	17:37:00	3.68	430.6	
6/24/2010	17:38:00	4.40	252.0	
6/24/2010	17:39:00	4.99	1.6	System bias
6/24/2010	17:40:00	5.00	0.6	O2 bias
6/24/2010	17:41:00	2.65	70.9	
6/24/2010	17:42:00	0.09	441.0	
6/24/2010	17:43:00	0.07	456.6	CO bias
6/24/2010	17:44:00	1.76	442.4	Sample
6/24/2010	17:45:00	3.61	401.5	Start CO Run
6/24/2010	17:46:00	3.67	405.8	
6/24/2010	17:47:00	3.70	420.8	
6/24/2010	17:48:00	3.68	379.4	
6/24/2010	17:49:00	3.68	385.9	
6/24/2010	17:50:00	3.62	368.3	
6/24/2010	17:51:00	3.66	385.0	
6/24/2010	17:52:00	3.66	400.3	
6/24/2010	17:53:00	3.66	384.9	
6/24/2010	17:54:00	3.73	392.5	
6/24/2010	17:55:00	3.71	358.0	
6/24/2010	17:56:00	3.69	373.1	
6/24/2010	17:57:00	3.68	389.1	
6/24/2010	17:58:00	3.70	365.3	
6/24/2010	17:59:00	3.68	363.3	
6/24/2010	18:00:00	3.61	341.8	
6/24/2010	18:01:00	3.65	363.3	
6/24/2010	18:02:00	3.60	388.1	
6/24/2010	18:03:00	3.61	385.2	
6/24/2010	18:04:00	3.66	425.5	
6/24/2010	18:05:00	3.68	416.6	
6/24/2010	18:06:00	3.70	423.0	
6/24/2010	18:07:00	3.68	391.6	
6/24/2010	18:08:00	3.66	358.5	
6/24/2010	18:09:00	3.69	377.2	
6/24/2010	18:10:00	3.70	360.5	
6/24/2010	18:11:00	3.71	382.5	
6/24/2010	18:12:00	3.64	368.9	
6/24/2010	18:13:00	3.66	368.1	

Reference Method DAS Data
EXXONMOBIL Torrance Refinery Unit 29F-4
CO Compliance

Date	Time	O2 %	CO ppm	
6/24/2010	18:14:00	3.62	393.1	
6/24/2010	18:15:00	3.60	393.0	
6/24/2010	18:16:00	3.60	422.4	
6/24/2010	18:17:00	3.59	426.6	
6/24/2010	18:18:00	3.66	424.6	
6/24/2010	18:19:00	3.64	448.6	
6/24/2010	18:20:00	3.65	428.0	
6/24/2010	18:21:00	3.66	432.8	
6/24/2010	18:22:00	3.61	406.2	
6/24/2010	18:23:00	3.65	409.1	
6/24/2010	18:24:00	3.68	438.3	
6/24/2010	18:25:00	3.59	413.9	
6/24/2010	18:26:00	3.60	435.3	
6/24/2010	18:27:00	3.60	435.9	
6/24/2010	18:28:00	3.68	450.4	
6/24/2010	18:29:00	3.72	459.9	
6/24/2010	18:30:00	3.74	399.7	
6/24/2010	18:31:00	3.76	392.1	
6/24/2010	18:32:00	3.67	367.2	
6/24/2010	18:33:00	3.69	392.8	
6/24/2010	18:34:00	3.66	412.2	
6/24/2010	18:35:00	3.73	385.8	
6/24/2010	18:36:00	3.77	397.6	
6/24/2010	18:37:00	3.72	363.2	
6/24/2010	18:38:00	3.72	361.0	
6/24/2010	18:39:00	3.68	362.6	
6/24/2010	18:40:00	3.69	372.3	
6/24/2010	18:41:00	3.62	400.4	
6/24/2010	18:42:00	3.66	389.0	
6/24/2010	18:43:00	3.73	419.4	
6/24/2010	18:44:00	3.65	400.5	
6/24/2010	18:45:00	3.62	403.6	
		3.67	396.0	Run Averages
6/24/2010	18:46:00	2.00	427.8	
6/24/2010	18:47:00	0.08	457.3	
6/24/2010	18:48:00	0.07	459.1	System bias
6/24/2010	18:49:00	0.07	458.9	CO bias
6/24/2010	18:50:00	0.76	453.0	
6/24/2010	18:51:00	4.95	88.9	
6/24/2010	18:52:00	5.01	0.6	
6/24/2010	18:53:00	5.01	0.6	O2 bias
6/24/2010	18:54:00	0.96	0.6	
6/24/2010	18:55:00	0.07	0.9	Cal Error
6/24/2010	18:56:00	0.06	0.9	N2
6/24/2010	18:57:00	6.93	400.8	
6/24/2010	18:58:00	9.06	905.9	

Reference Method DAS Data
EXXONMOBIL Torrance Refinery Unit 29F-4
CO Compliance

Date	Time	O2 %	CO ppm	
6/24/2010	18:59:00	9.07	910.6	Cal High
6/24/2010	19:00:00	6.02	687.6	
6/24/2010	19:01:00	5.04	459.1	Mid

Appendix A.3 Reference Method Performance Data

A.3-2

Delta Air Quality Services

CEMS PERFORMANCE DATA SHEET

Client: ExxonMobil Torrance Refinery
Location: 29F-4
CEMS ID#: 4-CEMS

Date: 6/24/2010
Performed By: AA/DA/ME

Analyzer:	O_2	CO_2		CO			
Manufacturer:	AMI	CAI		TECO			
Serial Number:	040910-1	5H03001		CMO8060009			
CEMS Probe:	Material:	S.S.	Length:	8'			
Heated Line	Material:	Teflon	Length:	6'	Gas Temp:	298	°F
Sample Conditioner:			Type:	Universal	Gas Temp:	32.9	°F
Leak Check	Pre:	OK	Post:	OK			
Performed on stack	Time:	17:10	Time:	19:05			
CEMS Line:	Material:	Teflon	Length:	150'			
Bias Line:	Material:	Teflon	Length:	150'			
Upscale Response Time:		< 2	Downscale Response Time:		< 2	minutes	
Sample Pressure (psi):		4	TECO Vacuum (" Hg):		n/a		

29F-4 PM-CO Compliance 2Q 10.xls
7/7/2010
6:20 PM

Appendix A.4 Reference Method QA/QC Data

A.4-2

RM CONTINUOUS EMISSIONS MONITORING SYSTEM

			CAL GAS (Ca)	FULL SCALE (F.S.)
FACILITY:	ExxonMobil Torrance Refinery			
CITY:	Torrance	O_2:	4.96	10
UNIT TESTED:	29F-4			
DATE:	6/24/2010	CO:	456.0	1,000

RUN NO.	TIME (hhmm)			INITIAL S.B. CAL ZERO (iZ)	INITIAL S.B. CAL SPAN (iSP)	FINAL S.B. CAL ZERO (fZ)	FINAL S.B. CAL SPAN (fSP)	DRIFT ZERO (Zdr)	DRIFT CAL (Cdr.)	CONCENTRATION MEAS. (Cm)	CONCENTRATION DRIFT CORR. (Ccorr.)	CONCENTRATION @3% O_2 (C@)
1	17:45 18:45		O_2	0.07	5.00	0.07	5.01	0.0	0.2	3.67	**3.62**	-
			CO	0.6	456.6	0.6	458.9	0.0	0.2	396.0	**394.4**	408.5

Zdr = (fZ-iZ)/F.S.x 100 ; Cdr = (fSP-iSP)/F.S.x 100 ; Ccorr = (Cm-(iZ+fZ)/2) x [Ca/((((fSP+iSP)/2)-((FZ+iZ)/2))]

APPENDIX B UNIT OPERATING DATA

UNIT 29F-4

PHD rev

Run #	Date & Time (Start Time)	NOx ppm	SOx ppm	Dry O2 %	Wet Flow wmscfm	Moisture %	Dry Flow dmscfm	29F-4 Fuel Flow mscfd	HHV btu/scf	NOx Mass lbs/day	SOx Mass lbs/day	EPA SOx ppm	EPA SOx at 0% O2 ppm
1	6/24/2010 17:45	17.79	55.13	3.67	35.58	6.17	33.38	779.04	1,094.06	102.20	440.52	48.23	58.49
2	6/24/2010 18:15	17.90	56.45	3.65	36.32	6.17	34.08	777.60	1,109.18	104.99	460.38	51.67	62.61
Averages		**17.85**	**55.79**	**3.66**	**35.95**	**6.17**	**33.73**	**778.32**	**1,101.62**	**103.59**	**450.45**	**49.95**	**60.55**

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00280

1M	6/24/2010 17:45 6/24/2010 18:14	NOx ppm	SOx ppm	Dry O2 %	Wet Flow wmscfm	Moisture %	Dry Flow dmscfm	29F-4 Fuel Flow mscfd	HHV btu/scf	NOx Mass lbs/day	SOx Mass lbs/day	EPA SOx ppm	EPA SOx at 0% O2 ppm
1	6/24/2010 17:45	17.66	49.29	3.63	35.19	6.18	33.02	779.72	1,096.10	100.35	389.50	49.81	60.11
1	6/24/2010 17:46	17.50	52.05	3.66	35.56	6.17	33.36	783.31	1,096.10	100.46	415.58	49.44	59.83
1	6/24/2010 17:47	17.48	54.88	3.67	35.31	6.17	33.13	782.14	1,096.10	99.68	435.18	45.30	54.92
1	6/24/2010 17:48	17.52	54.00	3.70	35.49	6.16	33.31	781.39	1,096.10	100.44	430.41	48.11	58.35
1	6/24/2010 17:49	17.65	55.72	3.72	35.78	6.15	33.58	776.97	1,096.10	101.97	447.73	46.41	56.40
1	6/24/2010 17:50	17.64	54.72	3.69	35.96	6.16	33.74	779.25	1,096.10	102.41	441.94	46.53	56.61
1	6/24/2010 17:51	17.65	56.83	3.62	36.13	6.19	33.90	780.64	1,090.06	102.93	461.02	51.04	61.97
1	6/24/2010 17:52	17.56	55.06	3.70	36.12	6.16	33.89	781.23	1,090.06	102.43	446.60	48.23	58.33
1	6/24/2010 17:53	17.75	54.86	3.66	36.17	6.17	33.93	781.68	1,090.06	103.65	445.50	48.72	59.20
1	6/24/2010 17:54	17.68	55.84	3.66	36.18	6.17	33.95	777.04	1,090.06	103.28	453.64	48.96	59.35
1	6/24/2010 17:55	17.64	53.36	3.75	35.69	6.14	33.50	782.00	1,090.06	101.71	427.86	45.66	55.37
1	6/24/2010 17:56	17.48	56.30	3.70	35.18	6.16	33.01	783.59	1,090.06	99.32	444.77	46.53	56.70
1	6/24/2010 17:57	17.88	55.94	3.63	35.02	6.18	32.86	784.82	1,090.06	101.11	439.90	46.66	56.46
1	6/24/2010 17:58	17.77	54.35	3.70	34.97	6.16	32.82	783.10	1,090.06	100.34	426.89	49.09	59.66
1	6/24/2010 17:59	18.20	55.66	3.68	34.94	6.17	32.79	779.60	1,090.06	102.69	436.79	48.23	58.53
1	6/24/2010 18:00	18.11	53.82	3.71	34.76	6.16	32.62	778.53	1,090.06	101.63	420.15	47.75	58.05
1	6/24/2010 18:01	18.08	56.58	3.57	34.73	6.20	32.58	773.69	1,090.06	101.37	441.14	51.65	62.31
1	6/24/2010 18:02	18.02	55.64	3.62	35.36	6.18	33.18	773.18	1,090.06	102.90	441.78	50.31	60.86
1	6/24/2010 18:03	17.71	55.36	3.68	35.97	6.17	33.75	774.43	1,090.06	102.83	447.13	49.69	60.30
1	6/24/2010 18:04	17.84	57.79	3.55	36.13	6.21	33.89	777.01	1,090.06	104.03	468.66	50.80	61.19
1	6/24/2010 18:05	17.49	55.15	3.71	36.09	6.16	33.87	779.08	1,090.06	101.91	447.03	51.65	62.79
1	6/24/2010 18:06	17.69	57.36	3.64	35.93	6.18	33.71	781.36	1,090.06	102.63	462.74	48.47	58.70
1	6/24/2010 18:07	17.97	55.11	3.67	36.07	6.17	33.85	775.84	1,090.06	104.69	446.44	47.87	58.05
1	6/24/2010 18:08	17.68	54.86	3.73	36.13	6.15	33.91	778.61	1,102.04	103.14	445.16	48.11	58.55
1	6/24/2010 18:09	17.95	56.37	3.57	35.78	6.20	33.56	777.05	1,102.04	103.67	452.86	50.43	60.82
1	6/24/2010 18:10	18.02	55.14	3.76	35.36	6.14	33.19	776.98	1,102.04	102.90	437.91	43.84	53.45
1	6/24/2010 18:11	18.00	56.70	3.68	35.20	6.17	33.03	779.41	1,102.04	102.33	448.23	46.02	55.85
1	6/24/2010 18:12	18.00	54.80	3.70	35.28	6.16	33.10	777.53	1,102.04	102.55	434.18	48.11	58.46
1	6/24/2010 18:13	18.04	54.80	3.70	35.37	6.16	33.19	777.06	1,102.04	103.01	435.30	44.21	53.72
1	6/24/2010 18:14	18.07	55.66	3.68	35.49	6.17	33.30	775.06	1,102.04	103.52	443.60	49.20	59.70
	Averages	**17.79**	**55.13**	**3.67**	**35.58**	**6.17**	**33.38**	**779.04**	**1,094.06**	**102.20**	**440.52**	**48.23**	**58.49**

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1M	6/24/2010 18:15 6/24/2010 18:44	NOx ppm	SOx ppm	Dry O2 %	Wet Flow wmscfm	Moisture %	Dry Flow dmscfm	29F-4 Fuel Flow mscfd	HHV btu/scf	NOx Mass lbs/day	SOx Mass lbs/day	EPA SOx ppm	EPA SOx at 0% O2 ppm
2	6/24/2010 18:15	17.80	55.51	3.65	35.76	6.18	33.56	776.26	1,102.04	102.75	445.83	49.81	60.00
2	6/24/2010 18:16	17.88	58.07	3.58	35.77	6.20	33.55	771.38	1,102.04	103.25	466.26	52.14	63.17
2	6/24/2010 18:17	17.91	56.78	3.57	35.64	6.20	33.43	774.34	1,102.04	103.05	454.28	51.04	61.59
2	6/24/2010 18:18	17.62	57.41	3.66	35.93	6.17	33.71	779.85	1,102.04	102.24	463.23	48.35	58.31
2	6/24/2010 18:19	17.99	58.02	3.58	36.04	6.20	33.80	780.43	1,102.04	104.66	469.34	51.53	62.47
2	6/24/2010 18:20	17.92	56.22	3.67	35.72	6.17	33.52	776.41	1,102.04	103.39	451.00	51.65	62.32
2	6/24/2010 18:21	17.84	57.10	3.66	35.57	6.17	33.38	779.17	1,102.04	102.47	456.14	54.10	65.63
2	6/24/2010 18:22	18.01	56.22	3.60	35.66	6.19	33.45	777.88	1,102.04	103.66	450.06	53.86	65.29
2	6/24/2010 18:23	18.03	57.41	3.64	35.92	6.18	33.70	777.93	1,102.04	104.57	463.03	44.21	53.41
2	6/24/2010 18:24	17.90	58.02	3.57	36.31	6.20	34.06	772.06	1,102.04	104.94	472.92	50.55	61.21
2	6/24/2010 18:25	17.82	55.64	3.67	36.56	6.17	34.31	771.67	1,114.12	105.20	456.81	51.53	62.13
2	6/24/2010 18:26	17.85	58.52	3.55	36.73	6.21	34.45	775.79	1,114.12	105.82	482.45	52.26	63.39
2	6/24/2010 18:27	17.84	57.13	3.58	36.91	6.20	34.62	773.02	1,114.12	106.32	473.39	54.59	65.88
2	6/24/2010 18:28	17.50	57.59	3.65	36.68	6.17	34.42	777.42	1,114.12	103.67	474.37	50.92	61.70
2	6/24/2010 18:29	17.65	56.50	3.62	36.40	6.19	34.15	778.89	1,114.12	103.74	461.76	51.41	62.18
2	6/24/2010 18:30	17.94	54.05	3.71	36.45	6.15	34.20	779.33	1,114.12	105.61	442.45	50.43	61.33
2	6/24/2010 18:31	17.94	54.05	3.71	36.34	6.15	34.11	775.85	1,114.12	105.31	441.18	50.43	61.33
2	6/24/2010 18:32	17.87	56.37	3.76	36.22	6.14	34.00	782.24	1,114.12	104.54	458.71	49.93	60.88
2	6/24/2010 18:33	17.89	54.91	3.75	36.35	6.14	34.12	780.51	1,114.12	105.06	448.36	50.68	61.77
2	6/24/2010 18:34	17.75	57.94	3.65	36.47	6.18	34.22	781.44	1,114.12	104.52	474.44	53.23	64.48
2	6/24/2010 18:35	18.18	57.18	3.55	36.44	6.21	34.17	778.99	1,114.12	106.92	467.68	52.63	63.39
2	6/24/2010 18:36	17.90	56.47	3.77	36.41	6.14	34.18	776.49	1,114.12	105.27	461.91	54.46	66.43
2	6/24/2010 18:37	17.90	56.47	3.77	36.43	6.14	34.19	781.25	1,114.12	105.32	462.13	51.29	62.56
2	6/24/2010 18:38	18.01	56.60	3.72	36.31	6.15	34.08	777.13	1,114.12	105.60	461.60	52.86	64.30
2	6/24/2010 18:39	18.02	55.49	3.69	36.40	6.16	34.16	776.90	1,114.12	105.91	453.59	51.53	62.58
2	6/24/2010 18:40	17.98	56.19	3.69	36.97	6.16	34.69	779.81	1,114.12	107.32	466.49	51.53	62.59
2	6/24/2010 18:41	18.07	57.25	3.58	37.14	6.20	34.84	774.01	1,114.12	108.32	477.40	57.26	69.11
2	6/24/2010 18:42	18.02	55.31	3.65	36.89	6.18	34.61	782.64	1,105.06	107.31	458.14	52.63	63.75
2	6/24/2010 18:43	18.02	55.31	3.65	36.61	6.18	34.35	780.67	1,105.06	106.51	454.74	51.77	62.71
2	6/24/2010 18:44	18.01	53.72	3.72	36.61	6.15	34.36	778.33	1,105.06	106.47	441.68	51.53	62.43
	Averages	**17.90**	**56.45**	**3.65**	**36.32**	**6.17**	**34.08**	**777.60**	**1,109.18**	**104.99**	**460.38**	**51.67**	**62.61**

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00282

APPENDIX C CALIBRATION GAS CERTIFICATES

PRAXAIR

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

C-2

DocNumber: 000003140

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information:

DELTA AIR QUALITY
SERVICE INC
ORANGE CA 928654

Praxair Order Number: 11630411
Customer P. O. Number: VERBAL: GARY
Customer Reference Number:

Fill Date: 11/5/2009
Part Number: EV NICDOXE53-AS
Lot Number: 109930906
Cylinder Style & Outlet: AS CGA 580
Cylinder Pressure & Volume: 2000 psig 140 cu ft

O2 4.96
CO2 10.07
CC95836
EXP 11/19/12

Certified Concentration:

Expiration Date:	11/19/2012		NIST Traceable
Cylinder Number:	CC 95836		Analytical Uncertainty:
10.07	%	CARBON DIOXIDE	± 1 %
4.96	%	OXYGEN	± 1 %
Balance		NITROGEN	

Certifcation Information: *Certification Date:* 11/19/2009 *Term:* 36 Months *Expiration Date:* 11/19/2012

This cylinder was certified according to the 1997 EPA Traceability Protocol, Document #EPA-600/R-97/121, using Procedure G1

Do Not Use this Standard if Pressure is less than 150 PSIG

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. Component: CARBON DIOXIDE

Requested Concentration: 10 %
Certified Concentration: 10.07 %
Instrument Used: Siemens Ultramat 5E S/N A12-730
Analytical Method: NDIR
Last Multipoint Calibration: 11/12/2009

First Analysis Data:						Date:	11/19/2009
Z:	0	R:	10.09	C:	10.07	Conc:	10.07
R:	10.09	Z:	0	C:	10.07	Conc:	10.07
Z:	0	C:	10.07	R:	10.09	Conc:	10.07
UOM:	%			Mean Test Assay:			10.07 %

Reference Standard Type: GMIS
Ref. Std. Cylinder #: CC 78305
Ref. Std. Conc: 10.09%
Ref. Std. Traceable to SRM #: vs. 1675b
SRM Sample #: 6-F-51
SRM Cylinder #: CAL014538

Second Analysis Data:						Date:	
Z:	0	R:	0	C:	0	Conc:	0
R:	0	Z:	0	C:	0	Conc:	0
Z:	0	C:	0	R:	0	Conc:	0
UOM:	%			Mean Test Assay:			0 %

2. Component: OXYGEN

Requested Concentration: 5 %
Certified Concentration: 4.96 %
Instrument Used: OXYMAT 5E
Analytical Method: PARAMAGNETIC
Last Multipoint Calibration: 11/12/2009

First Analysis Data:						Date:	11/19/2009
Z:	0	R:	5.07	C:	4.96	Conc:	4.96
R:	5.07	Z:	0	C:	4.96	Conc:	4.96
Z:	0	C:	4.96	R:	5.07	Conc:	4.96
UOM:	%			Mean Test Assay:			4.96 %

Reference Standard Type: GMIS
Ref. Std. Cylinder #: CC 134414
Ref. Std. Conc: 5.07%
Ref. Std. Traceable to SRM #: vs. 2658a
SRM Sample #: 72-28-B
SRM Cylinder #: CLM-006896

Second Analysis Data:						Date:	
Z:	0	R:	0	C:	0	Conc:	0
R:	0	Z:	0	C:	0	Conc:	0
Z:	0	C:	0	R:	0	Conc:	0
UOM:	%			Mean Test Assay:			0 %

Analyzed by: Nelson Ma

Certified by: Shameela Jiffrey

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2-5-10

PRAXAIR

C-3

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

DocNumber: 00000007399

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information:

DELTA AIR

O_2 9.00
CO_2 18.00
CC198145
EXP 09/03/11

Praxair Order Number: 07284271-00
Customer P. O. Number: 01616782
Customer Reference Number: WA260

Fill Date:
Part Number: EV NICDOXE55-AS
Lot Number: 109823509
Cylinder Style & Outlet: AS 590
Cylinder Pressure & Volume: 2000 psi 140 cu ft

Certified Concentration:

Expiration Date:		9/3/2011	
Cylinder Number:		CC 198145	Analytical Uncertainty:
18	%	CARBON DIOXIDE	± 1 %
9	%	OXYGEN	± 1 %
Balance		NITROGEN	

NOx ppm = N/A NOX Values for Reference Only

Certifcation Information: *Certification Date:* 9/3/2008 *Term:* 36 Months *Expiration Date:* 9/3/2011

This cylinder was certified according to the 1997 EPA Traceability Protocol, Document #EPA-600/R-97/121, using Procedure G1

Do Not Use this Standard if Pressure is less than 150 PSIG

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. Component: CARBON DIOXIDE

Requested Concentration: 18 %
Certified Concentration: 18 %
Instrument Used: Siemens Ultramat 5E S/N A12-730
Analytical Method: NDIR
Last Multipoint Calibration: 8/16/2008

First Analysis Data:						Date:	9/3/2008
Z:	0	R:	17.98	C:	18	Conc:	18
R:	17.98	Z:	0	C:	18	Conc:	18
Z:	0	C:	18	R:	17.98	Conc:	18
UOM:	%			Mean Test Assay:			18 %

Reference Standard Type: GMIS
Ref. Std. Cylinder # : ND 18693
Ref. Std. Conc: 17.98 %
Ref. Std. Traceable to SRM # : vs. 2745
SRM Sample # : 9-B-09
SRM Cylinder # : CAL010768

Second Analysis Data:						Date:	
Z:	0	R:	0	C:	0	Conc:	0
R:	0	Z:	0	C:	0	Conc:	0
Z:	0	C:	0	R:	0	Conc:	0
UOM:	%			Mean Test Assay:			0 %

2. Component: OXYGEN

Requested Concentration: 9 %
Certified Concentration: 9 %
Instrument Used: OXYMAT 5E
Analytical Method: PARAMAGNETIC
Last Multipoint Calibration: 8/16/2008

First Analysis Data:						Date:	9/3/2008
Z:	0	R:	10.01	C:	9	Conc:	9
R:	10.01	Z:	0	C:	9	Conc:	9
Z:	0	C:	9	R:	10.01	Conc:	9
UOM:	%			Mean Test Assay:			9 %

Reference Standard Type: GMIS
Ref. Std. Cylinder # : CC 257765
Ref. Std. Conc: 10.01%
Ref. Std. Traceable to SRM # : vs. 2658a
SRM Sample # : 72-28-B
SRM Cylinder # : CLM-006896

Second Analysis Data:						Date:	
Z:	0	R:	0	C:	0	Conc:	0
R:	0	Z:	0	C:	0	Conc:	0
Z:	0	C:	0	R:	0	Conc:	0
UOM:	%			Mean Test Assay:			0 %

Analyzed by: Peter Ngo

Certified by: Keesuk Kim

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Making Our Planet More Productive

3-27-09

PRAXAIR

C-4

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

DocNumber: 00000017848

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information:

Delta
CO456
SA8597
EXP 05/20/12

Praxair Order Number: 09864479-00
Customer P. O. Number: 02401165
Customer Reference Number: WA260

Fill Date.
Part Number. EV NICO450ME-AS
Lot Number: 109912803
Cylinder Style & Outlet AS 350
Cylinder Pressure & Volume: 2000 psi 140 cu ft

Certified Concentration:

Expiration Date:	5/20/2012		
Cylinder Number:	SA 8597		Analytical Uncertainty:
456	ppm	CARBON MONOXIDE	± 1 %
	Balance	NITROGEN	

NOx ppm = N/A NOX Values for Reference Only

Certifcation Information: *Certification Date:* 5/20/2009 *Term:* 36 Months *Expiration Date:* 5/20/2012

This cylinder was certified according to the 1997 EPA Traceability Protocol, Document #EPA-600/R-97/121, using Procedure G1

Do Not Use this Standard if Pressure is less than 150 PSIG

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. Component: CARBON MONOXIDE

Requested Concentration: 450 ppm
Certified Concentration: 456 ppm
Instrument Used: Siemens Ultramat 5E S/N A12-729
Analytical Method: NDIR
Last Multipoint Calibration: 5/11/2009

First Analysis Data:						Date:	5/12/2009
Z:	0	R:	498	C:	455.5	Conc:	456
R:	498	Z:	0	C:	455.5	Conc:	456
Z:	0	C:	455.5	R:	498	Conc:	456
UOM:	ppm			Mean Test Assay:			456 ppm

Reference Standard Type: GMIS
Ref. Std. Cylinder # : SGAL 2381
Ref. Std. Conc: 498 ppm
Ref. Std. Traceable to SRM # : vs. 1680b
SRM Sample # : 2-7-G
SRM Cylinder # : FF-33980

Second Analysis Data:						Date:	5/20/2009
Z:	0	R:	498	C:	455.5	Conc:	456
R:	498	Z:	0	C:	455.5	Conc:	456
Z:	0	C:	455.5	R:	498	Conc:	456
UOM:	ppm			Mean Test Assay:			456 ppm

Analyzed by: NM
Nelson Ma

Certified by:
Keesuk Kim

Information contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc. While we believe that the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall the liability of Praxair Distribution, Inc., arising out of the use of the information contained herein exceed the fee established for providing such information

Making Our Planet More Productive

6-6-09 gb

PRAXAIR

L-5

DocNumber: 00000021306

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

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information:

Della Air Quality

CO 902
SA 7487
EXP 07/29/12

Praxair Order Number: 10198324-00
Customer P. O. Number: 02444807
Customer Reference Number WA260

Fill Date
Part Number NI CO900E-AS
Lot Number: 109916202
Cylinder Style & Outlet AS 350
Cylinder Pressure & Volume: 2000 psi 140 cu ft

Certified Concentration:

Expiration Date: 7/29/2012
Cylinder Number: SA 7487

			Analytical Uncertainty:
902	ppm	CARBON MONOXIDE	± 1 %
	Balance	NITROGEN	

NOx ppm = N/A NOX Values for Reference Only

Certification Information: *Certification Date:* 7/29/2009 *Term:* 36 Months *Expiration Date:* 7/29/2012

This cylinder was certified according to the 1997 EPA Traceability Protocol, Document #EPA-600/R-97/121, using Procedure G1

Do Not Use this Standard if Pressure is less than 150 PSIG

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. Component: CARBON MONOXIDE

Requested Concentration	900 ppm
Certified Concentration	902 ppm
Instrument Used	Siemens Ultramat 5E S/N A12-729
Analytical Method	NDIR
Last Multipoint Calibration.	7/11/2009

First Analysis Data:						Date:	7/22/2009
Z:	0	R:	1020	C:	903	Conc:	903
R:	1020	Z:	0	C:	903	Conc:	903
Z:	0	C:	903	R:	1020	Conc:	903
UOM:	ppm			Mean Test Assay:			903 ppm

Reference Standard Type.	GMIS
Ref Std Cylinder #	CC 163377
Ref Std. Conc:	1020 ppm
Ref Std. Traceable to SRM #	Vs;1681b
SRM Sample #	1-28-1
SRM Cylinder #	CLM-009404

Second Analysis Data:						Date:	
Z:	0	R:	0	C:	0	Conc:	0
R:	0	Z:	0	C:	0	Conc:	0
Z:	0	C:	0	R:	0	Conc:	0
UOM:	ppm			Mean Test Assay:			0 ppm

Analyzed by: Nelson Ma
Nelson Ma

Certified by:
Ying Yu

Information contained herein has been prepared at your request by qualified experts within Praxair Distribution, Inc While we believe that the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any purpose The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user In no event shall the liability of Praxair Distribution, Inc, arising out of the use of the information contained herein exceed the fee established for providing such information

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8-18-09

APPENDIX D STATEMENT OF NO CONFLICT OF INTEREST AS AN INDEPENDENT TESTING LABORATORY

(To be completed by authorized source testing firm representative and included in source test report)

The following facility and equipment were tested by my source testing firm, and are the subjects of this Statement:

Facility ID:	800089
Date(s) Tested:	June 24, 2010
Facility Name:	ExxonMobil Torrance Refinery
Equipment Address:	3700 West 190th Street
	Torrance, California 90509
Equipment Tested:	29F-4
Device ID, A/N, P/N:	C952

I state, as its legally authorized representative, that the source testing firm of:

Source Test Firm: Delta Air Quality Services, Inc.

Business Address: 1845 N. Case Street

Orange, California 92865-4234

is an "Independent Testing Laboratory" as defined in **District *Rule 304(k):***

For the purposes of this Rule, when an independent testing laboratory is used for the purposes of establishing compliance with District rules or to obtain a District permit to operate, it must meet all of the following criteria:

(1) The testing laboratory shall have no financial interest in the company or facility being tested. or in the parent company or any subsidiary thereof-

(2) The company or facility being tested, or parent company or any subsidiary thereof, shall have no financial interest in the testing laboratory;

(3) Any company or facility responsible for the emission of significant quantities of pollutants to the atmosphere, or parent company or any subsidiary thereof shall have no financial interest in the testing laboratory; and

(4) The testing laboratory shall not be in partnership with, own or be owned by, in part or in full, the contractor who has provided or installed equipment (basic or control), or monitoring systems, or is providing maintenance for installed equipment or monitoring systems, for the company being tested

Furthermore, I state that any contracts or agreements entered into by my source testing firm and the facility referenced above, or its designated contractor(s), either verbal or written, are not contingent upon the outcome of the source testing, or the source testing information provided to the SCAQMD.

Signature: Ali Aleshaiker **Date:** 7/7/10

Ali Aleshaiker	Project Engineer	714-279-6777	7-7-10
(Name)	(Title)	(Phone)	(Date)

APPENDIX E SCAQMD LABORATORY APPROVAL PROGRAM

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 · www.aqmd.gov

E-2

January 6, 2010

Mr. Robert A. Finken
Delta Air Quality Services, Inc.
1845 N. Case Street
Orange, CA 92865

Dear Mr. Finken:

Subject: Laboratory Approval Program Approval
Reference #96LA1220

We completed our review of the renewal application you submitted for approval under the South Coast Air Quality Management District's Laboratory Approval Program (LAP). We are pleased to inform you that your firm is approved for the period beginning January 31, 2010, and ending January 31, 2011 for the following methods:

SCAQMD Methods 1-4
SCAQMD Method 5.1
SCAQMD Method 5.2
SCAQMD Method 5.3
SCAQMD Method 6.1
SCAQMD Rule 1420 – (Lead) Ambient Sampling

However, we have not completed the evaluation of your renewal application for SCAQMD Method 100.1 at this time. Renewal of your approval requires a successful system audit to be performed on your Method 100.1 equipment three major sub-systems: sample interface, gas analyzers and data acquisition. So that your LAP approval will not lapse while we are completing the approval process, I am extending the expiration date for this method from January 31, 2010 to March 31, 2010.

Thank you for participating in the LAP. Your cooperation helps us to achieve the goal of the LAP: to maintain high standards of quality in the sampling and analysis of source emissions.

You may direct any questions or information to LAP Coordinator Ramiro Gonzalez. He may be reached by telephone at (909) 396-2228 or facsimile at (909) 396-2099.

Sincerely,

Rudy Eden, Senior Manager
Laboratory Services and
Source Test Engineering

RWE:RG:svc
cc: Ramiro Gonzalez

E-3

South Coast
Air Quality Management District
21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 · http://www.aqmd.gov

March 12, 2010

Mr. Robert A. Finken
Delta Air Quality Services, Inc.
1845 N. Case Street
Orange, CA 92865

Dear Mr. Finken:

Subject: Laboratory Approval Program Approval
Reference #96LA1220

We completed our review of the renewal application you submitted for approval under the South Coast Air Quality Management District's Laboratory Approval Program (LAP). We are pleased to inform you that your firm is approved for the period beginning March 31, 2010 and ending January 31, 2011 for the following method:

SCAQMD Method 100.1

Thank you for participating in the LAP. Your cooperation helps us to achieve the goal of the LAP: to maintain high standards of quality in the sampling and analysis of source emissions.

You may direct any questions or information to LAP Coordinator Ramiro Gonzalez. He may be reached by telephone at (909) 396-2228 or facsimile at (909) 396-2099.

Sincerely,

Rudy Eden, Senior Manager
Laboratory Services and
Source Test Engineering

RWE:RG:svc
cc: Ramiro Gonzalez