EMISSIONS TEST REPORT

For Particulate Matter and Gaseous Pollutants
on
Sulfur Recovery Units 2 and 3

Designated as F-2745 and F2765

at the
ChevronTexaco Pascagoula Refinery

Located in
Pascagoula, Mississippi

Prepared for
CHEVRON PRODUCTS USA

TRC Project No. 155910
Test Date: November 27 and 28, 2007

TRC

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INTRODUCTION

Emission testing was conducted on two Sulfur Recover Units Sulfur 2 and Sulfur 3. These units, located at the Chevron Products' Pascagoula Refinery, are designated as F-2745 and F-2765 respectively. The purpose of these tests was to provide particulate matter emissions data to the Chevron Products environmental department. TRC Environmental of Austin, Texas conducted the testing on November 27 and 28, 2007.

Quantities of nitrogen oxides (NO_X), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter (PM) and other compounds were measured in the exhaust stack associated with each unit. Mass emission rates were measured while the unit operated at the normal operating capacity.

The emission tests followed the procedures set forth in the Code of Federal Regulations (CFR), Title 40, Part 60, Appendix A, Methods 1, 2, 3A, 4, 5, 6C, 7E, and 10. Table 1 summarizes the background information pertinent to these tests.

This report has been reviewed and approved for submittal to the MDEQ by the following representatives:

Prepared by TRC Environmental	Chevron Products
Reviewed by TRC Environmental	

TABLE 1
BACKGROUND DATA

Source Owner/Operator:	Chevron Products Company 250 Industrial Road Pascagoula, Mississippi 39581 Attn: Kristi Mitchum (228) 938-7678 TEL –4682 FAX
Test Contractor:	TRC Environmental 9225 U.S. Highway 183 South Austin, Texas 78747 Attn: Jim Barufaldi (512) 243-0202 TEL –0222 FAX
Test Participants:	**Chevron Products USA** Kristi Mitchum **TRC** Jim Barufaldi Tony Baragona David Murray
Test Dates:	November 27 and 28, 2007
Location:	27 Plant, Chevron Refinery in Pascagoula, Jackson County, Mississippi
Test Methods:	Stack Volumetric Flow by EPA Method 1-4 Particulate Matter (PM) by EPA Method 5 SO_2 concentration by EPA Method 6C NO_X concentration by EPA Method 7E CO concentration by EPA Method 10
Regulatory Applications:	40CFR63, Subpart UUU 40CFR60, Appendix A

SUMMARY OF RESULTS

Exhaust gases from SRU2 (F-2745) and SRU3 (F-2765) located within the Chevron Pascagoula Refinery, were tested to provide environmental engineering data to the Chevron Products environmental department. TRC Environmental of Austin, Texas conducted the testing on November 27 and 28, 2007.

The test matrix for the emission test on each SRU consisted of conducting three one-hour test runs during which NO_X, CO, O_2, CO_2 and filterable particulate matter concentrations as well as mass emission rates were measured. The emissions measurements were conducted at normal operating conditions. The mass emissions for all pollutants are listed in Table 2 below.

Table 2: Summary of Results

Unit	NOx (lbs/hr)	CO (lbs/hr)	SO_2 (lbs/hr)	PM (lbs/hr)
F-2745 Sulfur II	3.24	3.32	7.57	0.95
F-2765 Sulfur III	1.83	2.78	4.31	0.41

Detailed results of this testing program are presented in Appendix A.

Appendix A provides the data detailing the operating conditions, ambient conditions, the concentration and stack flow rate measurements, and calculated mass emission rates of NO_X, CO, PM, and SO_2 in lbs/hr and tons/year. Documentation of quality assurance activities is contained in Appendix B. Appendix C includes example calculations of any equations that were used in the analysis. All field and laboratory data sheets can be found in Appendix D. Appendix E contains copies of the operational data collected during the tests. Appendix F includes copies of the data log records used to record the emission concentrations. All equipment calibrations and gas concentration certifications are located in Appendix G.

PROCESS DESCRIPTION

Sulfur recovery units 2 and 3 recover 300 long tons of sulfur, each, per day. Each unit has a main reactor furnace followed by three Claus reactors. The tail gas is sent to a thermal oxidizer. The exhaust gas is then vented to the atmosphere via an exhaust stack approximately 150 feet tall. The method 1 traverse points were located at approximately 45 feet above the grade. These ports are located on the exhaust stack at 90° of each other where the stack has a twelve foot inside diameter. All emission measurements where conducted from these ports.

ANALYTICAL TECHNIQUE

The sampling and analysis procedures used during these tests conformed in principle with those outlined in the Code of Federal Regulations, Title 40, Part 60, Appendix A, Methods 1, 2, 3A, 4, 5, 6C, 7E, and 10. Table 3 lists the instruments and detection principles used for these analyses. The test procedures are discussed in the below paragraphs.

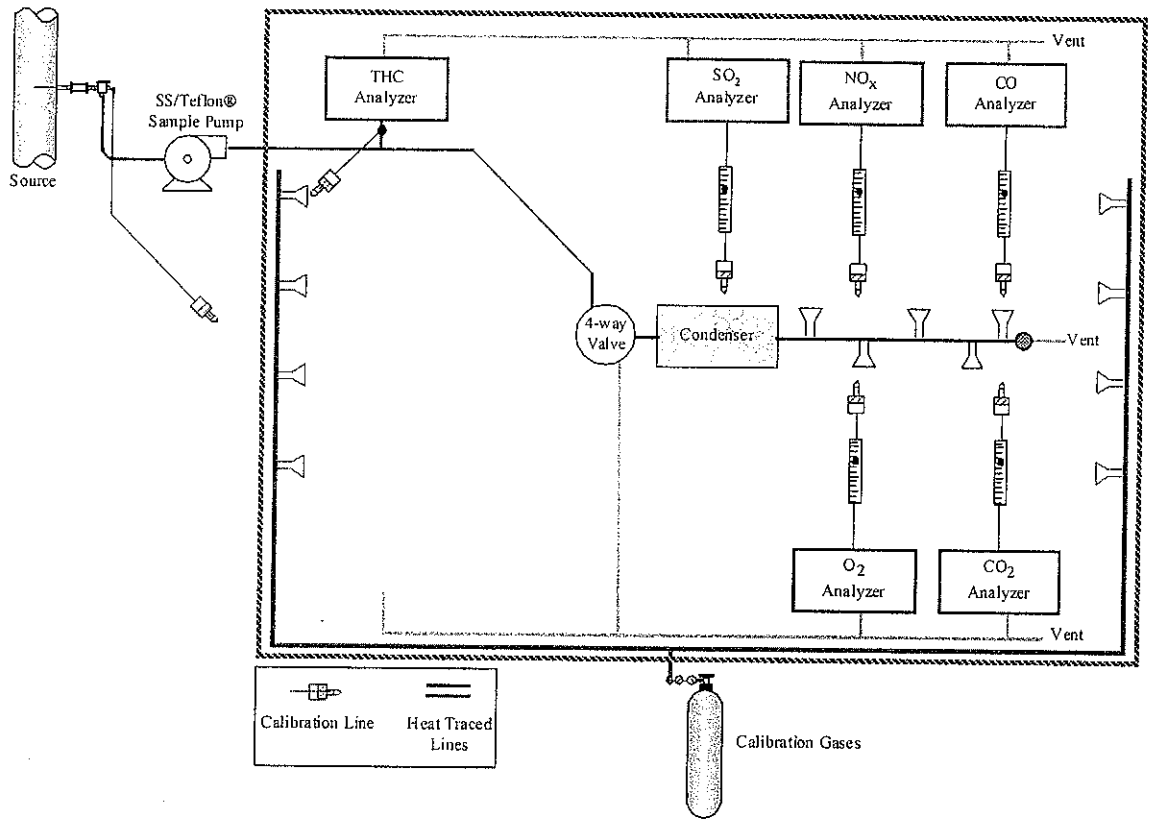
Table 3: Analytical Instrumentation

Parameter	Model and Manufacturer Serial Number	Range Capabilities (ppm or vol%)	Span Value(s) this Project (ppm or vol%)	Sensitivity (ppm or vol%)	Response Time (sec)	Detection Principle
NOx	TECO 42C 406505075	0-10 0-30 0-50 0-100 0-300	0-100	0.01	1.7	Thermal reduction of NOx to NO Chemiluminescence of reaction of NO with O2. Detection by PMT. Inherently linear for range capabilities.
CO	TECO 48C 48C-56742-310	0-10 0-30 0-50 0-100	0-100	0.01	10	Infrared absorption, gas filter correlation detector (prevents CO2 interference). Microprocessor based linearization.
O2 CO2	Servomex 1400 014206-2804 01415C-2821	0-5 0-25	0-25	0.01	15	Paramagnetic Cell Infrared Absorption
SO2	Bovar 90-721AT2-7642-1	0-30 0-100	0-100	0.01	10	Ultraviolet absorption detector
PM/PM10	AND HR 120	0-100 grams	n.a.	0.1 mg	n.a.	Analytical balance
Temp.	Omega HH82	-256-2502 °F	0.1°F	n.a.	n.a.	chromel-alumel, K-type thermo-couple with digital thermometer.

The sampling and analysis system used to determine gaseous emission concentrations of NO_X, CO, CO_2 and O_2 is depicted in Figure 1. Stack gas entered the system through a stainless steel probe with a glass wool in-stack filter (i.e. filter and probe heated greater than 220 °F). The sample was transported via 3/8-inch heat-traced Teflon® tubing to ground level via a heated stainless steel/Teflon® diaphragm pump. The sample is then transported through a specially designed stainless steel minimum-contact condenser which dried the sample without removing the pollutants of interest. From there, the sample is directed into the sample manifold where the sample is partitioned to the analyzers through glass and stainless steel rotometers that control the flow of the sample.

Figure 1 shows that the sampling system was equipped with a separate path through which a calibration gas could be delivered to the probe and back through the entire sampling system. This allowed for convenient performance of system bias checks as required by the EPA testing methods.

FIGURE 1
SAMPLE SYSTEM DIAGRAM



All instruments were housed in a climate controlled trailer-mounted mobile laboratory. Gaseous calibration standards were provided in aluminum cylinders with the concentrations certified by the vendor.

All data from the continuous monitoring instruments were recorded utilizing a computerized data logging system. The datalog records may be found in Appendix F of this report.

EPA Method 7E was used for measurement of NOx concentrations. A chemiluminescence cell analyzer was used. The NOx mass emission rates were calculated as if all the NOx were in the form of NO_2. This approach corresponds to EPA's convention.

CO concentrations were quantified during the tests in accordance with procedures set forth in EPA Method 10. A continuous non-dispersive infrared (NDIR) analyzer was used for this purpose. This analyzer is equipped with a gas correlation filter that also removes any interference from CO_2 or other combustion products, eliminating the need for ascarite traps and the associated correction factors.

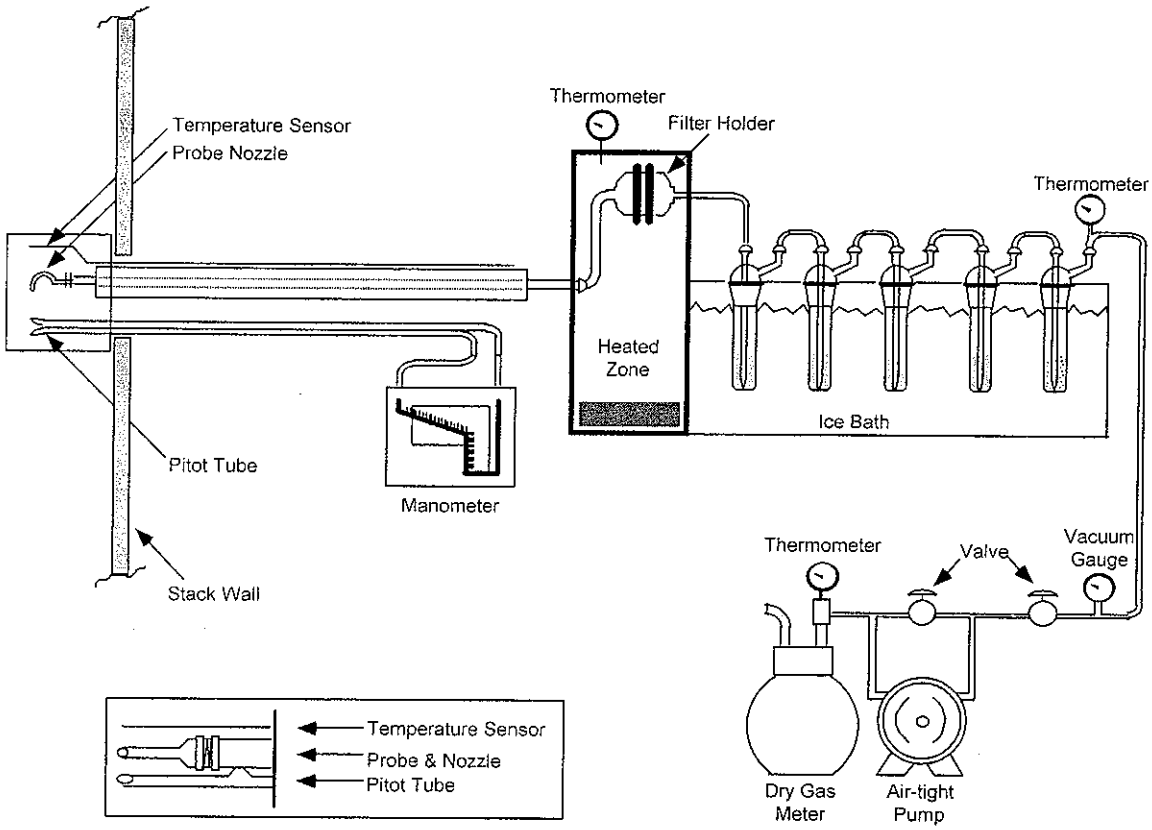
EPA Methods 1 and 2 were followed for determination of stack gas velocity and flow rate. Only one test port on each unit was accessible to perform the particulate matter sampling. The exhaust flow rates of the two sulfur units are below the detection limit of a typical oil manometer. Because of this, TRC used a digital manometer to monitor and record velocity head pressures. The digital manometer has a lower detection limit of 0.0001 in H2O. The stack gas temperature was determined with a K-type (chromel-alumel) thermocouple used in conjunction with a digital thermometer. This instrument also assisted in monitoring the sampling system conditions (impinger temperature, etc.). All emission rate calculations are based on the stack flow rates obtained from the pitot tube traverses.

The O_2 and CO_2 concentration measurements, used to determine molecular weight, were measured in accordance with the procedures of EPA Method 3A. Instrumental analysis was used in lieu of the Orsat or Fyrite techniques. A paramagnetic O_2 analyzer and an infrared absorption CO_2 analyzer were utilized for these emission tests.

The moisture content of the stack gas was determined by the use of EPA Method 4 via the Method 5 sample train. The four impingers were weighed individually before and after each test run to gravimetrically determine the moisture content of the stack gas.

EPA Method 5 was used to determine the level of particulate matter emissions. Figure 2 shows that a gaseous sample was pulled through a glass nozzle and heated quartz glass probe to a heated glass fiber filter. This portion of the sample train constitutes the filterable assembly. The nozzle was sized such that an isokinetic sampling rate (i.e. sampling at the same rate as the stack velocity) could be maintained within the capabilities of the sample pump. Following the filter, the sample was pulled through an impinger train, and the remaining dry air through a dry gas meter and sample pump. The PM emission rate results presented in this report provide only the EPA filterable analysis convention.

Figure 2: Particulate Matter System Diagram



The probe and nozzle were rinsed with acetone following each test run. These rinses were saved and analyzed for weight gain. The weight gain of the acetone rinse plus the weight gain of the filter constitute the filterable PM analysis. All analysis of the Method 5 PM samples was performed at TRC's Austin laboratory.

Atmospheric pressure was measured at the test site using a certified aircraft-type aneroid altimeter. Ambient temperature and humidity were quantified during each test run via sling psychrometry.

Chevron personnel provided operational data during the tests.

QUALITY ASSURANCE ACTIVITIES

A number of quality assurance activities were undertaken before, during, and after this testing project to ensure the accuracy of results obtained. This section of the report and the documentation contained in Appendices B and G describe each quality assurance activity that was performed.

All sampling and analysis, except the particulate matter analysis, was conducted on site to afford any interested parties the opportunity to observe all aspects of the test and to circumvent the possibility of sample loss or contamination during transport.

The calibration procedure for each instrument followed the criteria presented in EPA Reference Method 7E, §8.2 as promulgated May 15, 2006. Descriptions below that is not pollutant or diluent specific apply to all continuous monitors utilized for this sampling event.

The calibration gases used to calibrate the instruments were analyzed and certified by the compressed gas vendors. EPA Procedure G1 was used to assign concentration values traceable to the National Institute of Standards and Technology, Standard Reference Materials (SRM's). Calibration gas certifications may be found in Appendix G of this report.

Upon arrival at the site, the sample system was activated and each analyzer was allowed to come to its appropriate operating temperature as specified by the respective manufacturers. The sample probe, particulate filter, sample pump, and manifold are manufactured of inert material. Temperatures for all components upstream of the sample conditioning system described in the Analytical Technique section of this document and as shown on Figure 1, including those above and the sample line, were kept at temperatures greater than the dew point. Actual component temperatures were all >235°F.

A component of sampling system preparation was a leak check, performed by isolating the system from the calibration valve to the sample manifold and demonstrating that a vacuum greater than 10 in. Hg could be held for at least 1 minute with a decline of less than 1" Hg. This procedure was repeated at the conclusion of test activities to ensure that ambient air had not diluted the sample.

The gaseous measurement system was then checked for readiness and an initial calibration performed. The instruments were checked by first adjusting the zero responses to nitrogen and an upscale calibration gas in the range of the expected concentrations. After these activities were successfully completed, a Calibration Error Test was completed on each instrument. A low, mid, and high calibration gas was introduced directly to each instrument. Each calibration gas's recorded concentration response was within 2% of the calibration span of the analyzer.

The efficiency of the NO_2 to NO converter housed in the NO_X analyzer was checked by having the analyzer sample an NO_2 in N_2 gas, certified by EPA Traceability Protocol G1 to 2% accuracy. If the NO_X instrument's converter is 100% efficient, then the NO_X response does not decline as the NO_2 from the cylinder is read. The criterion for acceptability is a demonstrated NO_X converter efficiency greater than 90% of the gas certified value. No efficiency correction was applied to measured NO_X concentrations

Initial System Bias and Response time tests were then completed. System bias is determined by comparing the response of the analyzer to the same calibration gas introduced via two paths. The first path was into the analyzers via the calibration manifold as described above. The second path was to introduce a calibration gas into the sample line at the sample probe. The mid-range calibration gas was chosen for each analyzer as that most closely approximating the expected emission concentrations. The stable values thus achieved were recorded, and compared to the values found during the direct introduction of the same concentration to the analyzer. Mid– and low-level bias responses were less than 5% for all analyzers.

Concurrent with the Initial System Bias test, system response time tests were completed. As the calibration gas was introduced into the sample system, the time required for the analyzer to reach a stable value of at least 95% of the certified value was noted, and recorded as the upscale response time. The low gas (nitrogen in this instance) was then introduced in the same manner, with the downscale response time recorded. Upon completion of response time tests on each analyzer, the longest elapsed time was chosen as the system response time. No test run began until at least two times this value had elapsed.

For each test run, the flow rate for each analyzer was maintained within 10% of the rate utilized for initial calibration. All one minute averages were less

than the calibration span of the component analyzer, as was the run average. Data was recorded continuously electronically at sixty second intervals.

Upon completion of each test run, the sample valve was closed to enable the completion of post-run bias tests. The bias checks were completed in the same manner as described above for initial system bias tests using the low- and mid-range calibration gases. Each component analyzer met the specification found in the Summary Table of QA/QC presented in Method 7E, §9.0. The measured concentration of each pollutant and diluent was corrected for bias as directed in the method using Equation 12.6 of Method 7E. These corrected values are those reported on the summary table.

An assessment of sample system drift was also completed at the conclusion of each test run. System drift is defined in the method as the value derived by subtracting the pre-run bias test from the post-run bias test concentration. Again, each component analyzer met the specification found in the Summary Table of QA/QC presented in Method 7E, §9.0.

The Method 4 sample trains were leak checked independently of the gaseous sample system before and after each individual test run. These leak checks were performed in accordance with this method to ensure that the sample was not diluted by ambient air. The criterion for acceptance was a leakage rate of less than 2 percent of the average sampling rate at a vacuum of at least 10 in. Hg. No leaks were detected, and the results of these leak checks are summarized on the field data sheets.

All EPA Method 5 particulate matter weighings were conducted on an AND H-120 analytical balance. This balance has a 120 gram capacity and a 0.0001 g sensitivity. The balance was leveled and zeroed before each series of weighings. All weighings of filters and beakers were repeated until a "constant weight" was obtained. A "constant weight" is defined by EPA Method 5 as a difference of no more than 0.5 mg or 1 percent of the total weight less tare weight, whichever is greater. This definition applies to two consecutive weighings with no less than 6 hours of desiccation time between weighings. The sample recovery data sheets in Appendix D describe the weighing times and dates and the difference between weighings is recorded to establish that a constant weight had been obtained.

The residence time of the sampling and measurement system was estimated using the pump flow rate and the sampling system volume. The pump's rated flow

is 0.8 SCFM at 5 psig. The sampling system volume is approximately 0.13 scf. Therefore, the sample residence time is approximately 33 seconds.

The control gases used to calibrate the instruments were analyzed and certified by the compressed gas vendors to ± 1% accuracy or EPA Procedure G1. The gas calibration sheets as prepared by the vendor are contained in Appendix G.

The pitot tube used during the testing was visually inspected to ensure that it met the criteria of EPA Method 2. The pitot tube lines were leak checked in the field each time connection to the manometer was made in accordance with EPA Method 2 guidelines.

The Method 4 dry gas meters were calibrated prior to testing in accordance with EPA Method 4. A standard dry gas meter traceable to NIST was used for these calibrations. Calibration certification documentation of the dry gas meter can be found in Appendix G.

TRC collected and reported the enclosed test data in accordance with the procedures and quality assurance activities described in this test report. TRC makes no warranty as to the suitability of the test methods. TRC assumes no liability relating to the interpretation and use of the test data.

APPENDIX A:
DETAILED SUMMARY OF RESULTS

Summary of Results
F-2745

Plant: **Chevron Pascagoula**
Location: Pascagoula, MS
Source: F-2745
Technicians: **JPB, MAB, DM**

Test Run Designation	**Run 1**	**Run 2**	**Run 3**	
Date	11/27/2007	11/27/2007	11/27/2007	
Start Time (24 hr)	15:52	17:40	19:15	
Stop Time (24 hr)	16:52	18:40	20:15	
Stack Gas Sampling Data				
Box No.	2	4	2	
Sample Time Length (min)	60	60	60	
Atmospheric Pressure (" Hg)	30.38	30.36	30.38	
Avg. Stack Temperature (°F)	846	829	843	
Avg. Meter Temperature (°F)	75.7	73.0	72.2	
Average $\sqrt{\Delta P}$	0.081	0.085	0.087	
Average ΔH	1.89	3.13	3.25	
Sample Volume at STP (DSCF)	44.097	58.668	59.523	
Moisture (% volume)	2.01	2.81	6.85	
Dry Gas Fraction (unitless)	0.980	0.972	0.931	
Molecular Weight (lb/lb-mole)	28.615	28.524	28.077	
Static Pressure (in. H2O)	-1.13	-1.13	-1.13	
Stack Velocity (ft/min @ stack conditions)	430	446	465	
Stack Flow, dry (DSCFH)	1.17E+06	1.22E+06	1.21E+06	
% Isokinetic	78.3	100.0	102.5	
Emissions Results				**Averages**
O2 (%)	5.38	5.31	5.22	5.30
CO2 (%)	3.86	3.85	3.81	3.84
NOx (ppmv)	23.70	21.15	23.16	22.67
CO (ppmv	40.11	36.72	37.62	38.15
SO2 (ppmv)	39.16	38.58	36.31	38.02
SO2 (ppmv) (@ 0% O2)	52.73	51.72	48.40	50.95
Calculated Mass Emissions				
NOx (lbs/hr)	3.31	3.08	3.34	3.24
CO (lbs/hr)	3.41	3.25	3.30	3.32
SO2 (lbs/hr)	7.62	7.81	7.28	7.57
NOx (tons/yr)	14.51	13.48	14.62	14.21
CO (tons/yr)	14.95	14.25	14.46	14.56
SO2 (tons/yr)	33.36	34.22	31.89	33.15
Calculated Particulate Emissions				
Filterable Particulate Matter Collected (g)	0.0211	0.0085	0.0273	0.0190
Filterable Analysis (lb/dscf)	1.05E-06	3.21E-07	1.01E-06	7.95E-07
Filterable Analysis (lb/hr)	1.23	0.39	1.22	0.95
Filterable Analysis (tons/yr)	5.40	1.71	5.34	4.15

Testing by TRC, Austin, Texas

Summary of Results
F-2765

Plant: **Chevron Pascagoula**
Location: Pascagoula, MS
Source: F-2765
Technicians: **JPB, MAB, DM**

Test Run Designation	**Run 1**	**Run 2**	**Run 3**	
Date	11/28/2007	11/28/2007	11/28/2007	
Start Time (24 hr)	13:00	14:50	16:30	
Stop Time (24 hr)	14:00	15:50	17:30	
Stack Gas Sampling Data				
Box No.	4	2	4	
Sample Time Length (min)	60	60	60	
Atmospheric Pressure (" Hg)	30.36	30.36	30.28	
Avg. Stack Temperature (°F)	766	768	773	
Avg. Meter Temperature (°F)	79.2	82.5	78.3	
Average $\sqrt{\Delta P}$	0.055	0.053	0.048	
Average ΔH	1.81	1.56	0.68	
Sample Volume at STP (DSCF)	37.257	36.125	31.406	
Moisture (% volume)	6.91	7.63	7.82	
Dry Gas Fraction (unitless)	0.931	0.924	0.922	
Molecular Weight (lb/lb-mole)	28.080	28.008	27.985	
Static Pressure (in. H2O)	-0.84	-0.84	-0.84	
Stack Velocity (ft/min @ stack conditions)	284	273	248	
Stack Flow, dry (DSCFH)	7.81E+05	7.44E+05	6.70E+05	
% Isokinetic	99.1	100.9	97.5	
Emissions Results				**Averages**
O2 (%)	5.96	6.08	5.87	5.97
CO2 (%)	3.69	3.70	3.73	3.71
NOx (ppmv)	22.18	20.89	19.57	20.88
CO (ppmv	53.26	50.48	53.16	52.30
SO2 (ppmv)	37.98	34.79	33.23	35.33
SO2 (ppmv) (@ 0% O2)	53.13	49.06	46.21	49.47
Calculated Mass Emissions				
NOx (lbs/hr)	2.07	1.86	1.56	1.83
CO (lbs/hr)	3.02	2.73	2.59	2.78
SO2 (lbs/hr)	4.93	4.30	3.70	4.31
NOx (tons/yr)	9.06	8.13	6.85	8.02
CO (tons/yr)	13.25	11.96	11.34	12.18
SO2 (tons/yr)	21.59	18.84	16.19	18.87
Calculated Particulate Emissions				
Filterable Particulate Matter Collected (g)	0.0066	0.0080	0.0121	0.0089
Filterable Analysis (lb/dscf)	3.91E-07	4.91E-07	8.48E-07	5.77E-07
Filterable Analysis (lb/hr)	0.31	0.37	0.57	0.41
Filterable Analysis (tons/yr)	1.34	1.60	2.49	1.81

Testing by TRC, Austin, Texas

Run 1 Point by Point Isokinetics

Plant:	Chevron Pascagoula
Location:	Pascagoula, MS
Source:	F-2745
Technicians:	MAB, DGM

Test Run Designation:	Run 1
Computerized Isokinetic Sampling Data Sheet	
K-factor	377.869
Nozzle Area (ft2)	0.00544143
Total Sample Time (min)	60
Number of Points	6
Time per Travese Point (min)	10
Pitot Tube Factor	0.84
Dry Gas Meter Factor (Kd)	0.9876
Preliminary values entered before test run	
Prelim Atmospheric Pressure (in Hg, abs.)	30.38
Prelim Static Pressure (in. H2O)	-1.13
Perlim Stack Gas Moisture (% volume)	2.00
Prelim Dry Gas Fraction	0.9800
Prelim Stack Gas Molecular Wt. (lbs/lb-mole)	28.59

Final values to be entered upon completion of test run	
CO2 (%)	3.89
O2 (%)	5.26
H2 (%)	0.00
Beginning Impinger Wt (g)	2925.7
Ending Impinger Wt. (g)	2944.9
Sample Volume at STP (DSCF)	44.097
Sample Volume at STP (liters)	1248.82
Stack Area (ft2)	113.10
Atmospheric Pressure (in Hg, abs.)	30.38
Static Pressure (in. H2O)	-1.13
Stack Gas Moisture (% volume)	2.01
Dry Gas Fraction	0.9799
Stack Gas Molecular Wt. (lbs/lb-mole)	28.61

Impinger Wt.	#1 H2O	#2 H2O	#3 MT	#4 SiGel
Initial wt (g)	745.2	690.0	599.6	890.9
Final wt (g)	746.2	692.7	602.3	903.7
Wt. Gain (g)	1.0	2.7	2.7	12.8

Average Meter Box Readings	
Average DGM Temperature (°F)	75.7
Average Stack Temperature (°F)	846.2
Average Square Root of ΔP's	0.081
Average Measured ΔH	1.887
Final Flow Rate Results	
Absolute stack pressure (in. Hg)	30.2968885
Stack Velocity (ft/min @ stack conditions)	430
Stack Flow,wet (ACFM)	48652
Stack Flow, dry (SCFH)	1170849
Stack Flow, wet (SCFH)	1194880
Stack Velocity (DSFM)	173
Final Isokinetic Results	
Percent of isokinetic sampling rate	**78.28**

	DGM Observed (ft3)	DGM Target (ft3)	Date 11/27/2007 Time	DGM Temp. Ave. (°F)	DGM in (°F)	DGM out (°F)	Calculated ΔH	Measured ΔH	Corrected Volume (ft3)	ΔP	√ΔP	Stack Gas Temp (°F)	Stack Gas Velocity (ft/s)	% ISO Point	% ISO Total
Traverse Point No.	249.768		15:52												
Point 1	256.217	257.948	16:02	72	72	72	1.90	1.37	6.448	0.005	0.0707	842	6.23	78.8	78.8
Point 2	265.281	267.766	16:12	75	75	75	3.83	2.76	9.053	0.010	0.1000	849	8.83	78.5	78.6
Point 3	273.161	275.649	16:22	76	76	76	3.07	2.21	7.842	0.008	0.0894	849	7.90	76.0	77.7
Point 4	278.361	279.549	16:32	77	77	77	1.15	0.83	5.141	0.003	0.0548	850	4.84	81.4	78.4
Point 5	286.434	288.780	16:42	77	77	77	3.07	2.21	8.019	0.008	0.0894	841	7.87	77.5	78.2
Point 6	294.178	296.171	16:52	77	77	77	2.69	1.94	7.685	0.007	0.0837	846	7.38	79.5	78.4
Average Values				**75.7**			**2.6**	**1.9**	**#VALUE!**	**0.007**	**0.081**	**846.2**	**7.2**	**78.6**	

Emissions testing performed by TRC, Austin, Texas

Run 2 Point by Point Isokinetics

Plant:	Chevron Pascagoula
Location:	Pascagoula, MS
Source:	F-2745
Technicians:	MAB, DGM

Test Run Designation:	Run 2
Computerized Isokinetic Sampling Data Sheet	
K-factor	385.000
Nozzle Area (ft2)	0.00544143
Total Sample Time (min)	60
Number of Points	6
Time per Travese Point (min)	10
Pitot Tube Factor	0.84
Dry Gas Meter Factor (Kd)	0.9876
Preliminary values entered before test run	
Prelim Atmospheric Pressure (in Hg, abs.)	30.38
Prelim Static Pressure (in. H2O)	-1.13
Perlim Stack Gas Moisture (% volume)	2.01
Prelim Dry Gas Fraction	0.9799
Prelim Stack Gas Molecular Wt. (lbs/lb-mole)	28.61

Final values to be entered upon completion of test run	
CO2 (%)	3.85
O2 (%)	5.31
H2 (%)	0.00
Beginning Impinger Wt (g)	2804.0
Ending Impinger Wt. (g)	2840.0
Sample Volume at STP (DSCF)	58.668
Sample Volume at STP (liters)	1661.47
Stack Area (ft2)	113.10
Atmospheric Pressure (in Hg, abs.)	30.36
Static Pressure (in. H2O)	-1.13
Stack Gas Moisture (% volume)	2.81
Dry Gas Fraction	0.9719
Stack Gas Molecular Wt. (lbs/lb-mole)	28.52

Impinger Wt.	#1 H2O	#2 H2O	#3 MT	#4 SiGel
Initial wt (g)	700.7	700.2	534.6	868.5
Final wt (g)	713.2	706.9	537.3	882.6
Wt. Gain (g)	12.5	6.7	2.7	14.1

Average Meter Box Readings	
Average DGM Temperature (°F)	73.0
Average Stack Temperature (°F)	829.0
Average Square Root of ΔP's	0.085
Average Measured ΔH	3.125
Final Flow Rate Results	
Absolute stack pressure (in. Hg)	30.2768885
Stack Velocity (ft/min @ stack conditions)	446
Stack Flow,wet (ACFM)	50433
Stack Flow, dry (SCFH)	1219035
Stack Flow, wet (SCFH)	1254297
Stack Velocity (DSFM)	180
Final Isokinetic Results	
Percent of isokinetic sampling rate	**100.03**

	DGM Observed (ft3)	DGM Target (ft3)	Date 11/27/2007 Time	DGM Temp. Ave. (°F)	DGM in (°F)	DGM out (°F)	Calculated ΔH	Measured ΔH	Corrected Volume (ft3)	ΔP	√ΔP	Stack Gas Temp (°F)	Stack Gas Velocity (ft/s)	% ISO Point	% ISO Total
Traverse Point No.	294.433		17:40												
Point 1	302.189	304.960	17:50	71	71	71	3.10	2.19	7.792	0.008	0.0894	785	7.70	73.7	73.7
Point 2	313.619	314.783	18:00	72	72	72	4.66	4.66	11.504	0.012	0.1095	840	9.63	90.8	82.8
Point 3	323.588	323.323	18:10	73	73	73	2.72	2.70	9.968	0.007	0.0837	834	7.34	102.7	88.7
Point 4	334.018	332.570	18:20	74	74	74	2.34	3.50	10.400	0.006	0.0775	842	6.82	116.1	94.6
Point 5	343.010	342.254	18:30	74	74	74	1.95	2.95	8.958	0.005	0.0707	833	6.20	109.2	97.0
Point 6	353.087	351.999	18:40	74	74	74	2.34	2.75	10.048	0.006	0.0775	840	6.81	112.1	99.3
Average Values				**73.0**			**2.8**	**3.1**		**0.01**	**0.085**	**829.0**	**7.4**	**100.8**	

Emissions testing performed by TRC, Austin, Texas

Run 3 Point by Point Isokinetics

Plant:	**Chevron Pascagoula**
Location:	Pascagoula, MS
Source:	F-2745
Technicians:	**MAB, DGM**

Test Run Designation:	**Run 3**
Computerized Isokinetic Sampling Data Sheet	
K-factor	420.000
Nozzle Area (ft2)	0.00544143
Total Sample Time (min)	60
Number of Points	6
Time per Travese Point (min)	10
Pitot Tube Factor	0.84
Dry Gas Meter Factor (Kd)	0.9876
Preliminary values entered before test run	
Prelim Atmospheric Pressure (in Hg, abs.)	30.38
Prelim Static Pressure (in. H2O)	-1.13
Perlim Stack Gas Moisture (% volume)	2.81
Prelim Dry Gas Fraction	0.9719
Prelim Stack Gas Molecular Wt. (lbs/lb-mole)	28.52

Final values to be entered upon completion of test run	
CO2 (%)	3.81
O2 (%)	5.22
H2 (%)	0.00
Beginning Impinger Wt (g)	2944.9
Ending Impinger Wt. (g)	3037.8
Sample Volume at STP (DSCF)	59.523
Sample Volume at STP (liters)	1685.69
Stack Area (ft2)	113.10
Atmospheric Pressure (in Hg, abs.)	30.38
Static Pressure (in. H2O)	-1.13
Stack Gas Moisture (% volume)	6.85
Dry Gas Fraction	0.9315
Stack Gas Molecular Wt. (lbs/lb-mole)	28.08

Impinger Wt.	#1 H2O	#2 H2O	#3 MT	#4 SiGel
Initial wt (g)	746.2	692.7	602.3	903.7
Final wt (g)	814.2	700.6	605.7	917.3
Wt. Gain (g)	68.0	7.9	3.4	13.6

Average Meter Box Readings	
Average DGM Temperature (°F)	72.2
Average Stack Temperature (°F)	842.8
Average Square Root of ΔP's	0.087
Average Measured ΔH	3.245
Final Flow Rate Results	
Absolute stack pressure (in. Hg)	30.2968885
Stack Velocity (ft/min @ stack conditions)	465
Stack Flow,wet (ACFM)	52636
Stack Flow, dry (SCFH)	1207207
Stack Flow, wet (SCFH)	1296025
Stack Velocity (DSFM)	178
Final Isokinetic Results	
Percent of isokinetic sampling rate	**102.48**

	DGM Observed (ft3)	DGM Target (ft3)	Date 11/27/2007 Time	DGM Temp. Ave. (°F)	DGM in (°F)	DGM out (°F)	Calculated ΔH	Measured ΔH	Corrected Volume (ft3)	ΔP	√ΔP	Stack Gas Temp (°F)	Stack Gas Velocity (ft/s)	% ISO Point	% ISO Total
Traverse Point No.	353.500		19:15												
Point 1	363.481	363.088	19:25	70	70	70	2.95	2.95	10.042	0.007	0.0837	832	7.35	104.1	104.1
Point 2	373.189	373.716	19:35	71	71	71	3.38	3.38	9.759	0.008	0.0894	838	7.87	94.8	99.3
Point 3	384.257	384.604	19:45	72	72	72	4.23	4.23	11.128	0.010	0.1000	844	8.82	97.0	98.4
Point 4	393.761	393.142	19:55	73	73	73	2.54	2.54	9.499	0.006	0.0775	847	6.84	107.0	100.3
Point 5	402.929	403.340	20:05	73	73	73	2.97	2.97	9.173	0.007	0.0837	849	7.40	95.7	99.5
Point 6	412.860	413.186	20:15	74	74	74	3.40	3.40	9.928	0.008	0.0894	847	7.90	96.8	99.0
Average Values				**72.2**			**3.2**	**3.2**		**0.008**	**0.087**	**842.8**	**7.7**	**99.2**	

Emissions testing performed by TRC, Austin, Texas

Run 1 Point by Point Isokinetics

Plant:	Chevron Pascagoula
Location:	Pascagoula, MS
Source:	F-2765
Technicians:	MAB, DGM

Test Run Designation:	Run 1
Computerized Isokinetic Sampling Data Sheet	
K-factor	399.177
Nozzle Area (ft2)	0.00544143
Total Sample Time (min)	60
Number of Points	6
Time per Travese Point (min)	10
Pitot Tube Factor	0.84
Dry Gas Meter Factor (Kd)	0.9876
Preliminary values entered before test run	
Prelim Atmospheric Pressure (in Hg, abs.)	30.36
Prelim Static Pressure (in. H2O)	-0.84
Perlim Stack Gas Moisture (% volume)	4.88
Prelim Dry Gas Fraction	0.9512
Prelim Stack Gas Molecular Wt. (lbs/lb-mole)	28.28

Final values to be entered upon completion of test run	
CO2 (%)	3.69
O2 (%)	5.96
H2 (%)	0.00
Beginning Impinger Wt (g)	2938.7
Ending Impinger Wt. (g)	2997.4
Sample Volume at STP (DSCF)	37.257
Sample Volume at STP (liters)	1055.12
Stack Area (ft2)	113.10
Atmospheric Pressure (in Hg, abs.)	30.36
Static Pressure (in. H2O)	-0.84
Stack Gas Moisture (% volume)	6.91
Dry Gas Fraction	0.9309
Stack Gas Molecular Wt. (lbs/lb-mole)	28.08

Impinger Wt.	#1 H2O	#2 H2O	#3 MT	#4 SiGel
Initial wt (g)	745.0	664.9	603.7	925.1
Final wt (g)	792.9	672.0	603.9	928.6
Wt. Gain (g)	47.9	7.1	0.2	3.5

Average Meter Box Readings	
Average DGM Temperature (°F)	79.2
Average Stack Temperature (°F)	766.0
Average Square Root of ΔP's	0.055
Average Measured ΔH	1.808
Final Flow Rate Results	
Absolute stack pressure (in. Hg)	30.298218
Stack Velocity (ft/min @ stack conditions)	284
Stack Flow,wet (ACFM)	32073
Stack Flow, dry (SCFH)	781231
Stack Flow, wet (SCFH)	839254
Stack Velocity (DSFM)	115
Final Isokinetic Results	
Percent of isokinetic sampling rate	**99.12**

	DGM Observed (ft3)	DGM Target (ft3)	Date 11/28/2007 Time	DGM Temp. Ave. (°F)	DGM in (°F)	DGM out (°F)	Calculated ΔH	Measured ΔH	Corrected Volume (ft3)	ΔP	√ΔP	Stack Gas Temp (°F)	Stack Gas Velocity (ft/s)	% ISO Point	% ISO Total
Traverse Point No.	449.983		1:00												
Point 1	453.820	453.320	1:10	75	75	75	0.32	0.32	3.798	0.0008	0.0283	757	2.42	115.0	115.0
Point 2	455.169	455.488	1:20	76	76	76	0.08	0.08	1.332	0.0002	0.0141	763	1.21	80.9	103.7
Point 3	457.574	457.541	1:30	78	78	78	0.16	0.16	2.366	0.0004	0.0200	758	1.71	101.4	103.0
Point 4	465.811	466.077	1:40	79	79	79	2.16	2.16	8.128	0.0053	0.0728	789	6.31	96.9	99.0
Point 5	479.001	479.867	1:50	82	82	82	5.86	5.86	13.059	0.0143	0.1196	765	10.27	93.8	96.6
Point 6	487.782	487.846	2:00	85	85	85	2.27	2.27	8.572	0.0055	0.0742	764	6.36	99.3	97.2
Average Values				**79.2**			**1.8**	**1.8**		**0.0044**	**0.055**	**766.0**	**4.7**	**97.9**	

Emissions testing performed by TRC, Austin, Texas

Run 2 Point by Point Isokinetics

Plant:	Chevron Pascagoula
Location:	Pascagoula, MS
Source:	F-2765
Technicians:	MAB, DGM

Test Run Designation:	Run 2
Computerized Isokinetic Sampling Data Sheet	
K-factor	399.177
Nozzle Area (ft2)	0.00544143
Total Sample Time (min)	60
Number of Points	6
Time per Travese Point (min)	10
Pitot Tube Factor	0.84
Dry Gas Meter Factor (Kd)	0.9876
Preliminary values entered before test run	
Prelim Atmospheric Pressure (in Hg, abs.)	30.36
Prelim Static Pressure (in. H2O)	-0.84
Perlim Stack Gas Moisture (% volume)	6.91
Prelim Dry Gas Fraction	0.9309
Prelim Stack Gas Molecular Wt. (lbs/lb-mole)	28.08

Final values to be entered upon completion of test run	
CO2 (%)	3.70
O2 (%)	6.08
H2 (%)	0.00
Beginning Impinger Wt (g)	2795.6
Ending Impinger Wt. (g)	2858.9
Sample Volume at STP (DSCF)	36.125
Sample Volume at STP (liters)	1023.06
Stack Area (ft2)	113.10
Atmospheric Pressure (in Hg, abs.)	30.36
Static Pressure (in. H2O)	-0.84
Stack Gas Moisture (% volume)	7.63
Dry Gas Fraction	0.9237
Stack Gas Molecular Wt. (lbs/lb-mole)	28.01

Impinger Wt.	#1 H2O	#2 H2O	#3 MT	#4 SiGel
Initial wt (g)	684.2	690.8	537.6	883.0
Final wt (g)	731.2	696.8	538.8	892.1
Wt. Gain (g)	47.0	6.0	1.2	9.1

Average Meter Box Readings	
Average DGM Temperature (°F)	82.5
Average Stack Temperature (°F)	768.3
Average Square Root of ΔP's	0.053
Average Measured ΔH	1.562
Final Flow Rate Results	
Absolute stack pressure (in. Hg)	30.298218
Stack Velocity (ft/min @ stack conditions)	273
Stack Flow,wet (ACFM)	30855
Stack Flow, dry (SCFH)	744347
Stack Flow, wet (SCFH)	805831
Stack Velocity (DSFM)	110
Final Isokinetic Results	
Percent of isokinetic sampling rate	**100.87**

	DGM Observed (ft3)	DGM Target (ft3)	Date 11/28/2007 Time	DGM Temp. Ave. (°F)	DGM in (°F)	DGM out (°F)	Calculated ΔH	Measured ΔH	Corrected Volume (ft3)	ΔP	√ΔP	Stack Gas Temp (°F)	Stack Gas Velocity (ft/s)	% ISO Point	% ISO Total
Traverse Point No.	487.855		2:50												
Point 1	490.743	490.493	3:00	83	83	83	0.21	0.21	2.816	0.0005	0.0224	750	1.91	109.5	109.5
Point 2	493.851	493.085	3:10	82	82	82	0.16	0.16	3.035	0.0004	0.0200	764	1.72	132.7	120.5
Point 3	496.720	496.681	3:20	81	81	81	0.25	0.25	2.808	0.0006	0.0245	792	2.13	101.4	113.4
Point 4	503.687	504.075	3:30	82	82	82	1.64	1.64	6.828	0.0040	0.0632	772	5.47	94.7	104.3
Point 5	513.674	513.870	3:40	83	83	83	3.12	3.12	9.805	0.0076	0.0872	757	7.49	98.1	102.0
Point 6	524.754	525.091	3:50	84	84	84	3.99	3.99	10.881	0.0097	0.0985	775	8.52	97.0	100.4
Average Values				**82.5**			**1.6**	**1.6**		**0.0038**	**0.053**	**768.3**	**4.5**	**105.6**	

Emissions testing performed by TRC, Austin, Texas

Run 3 Point by Point Isokinetics

Plant:	**Chevron Pascagoula**
Location:	Pascagoula, MS
Source:	F-2765
Technicians:	**MAB, DGM**

Test Run Designation:	**Run 3**
Computerized Isokinetic Sampling Data Sheet	
K-factor	399.177
Nozzle Area (ft2)	0.00544143
Total Sample Time (min)	60
Number of Points	6
Time per Travese Point (min)	10
Pitot Tube Factor	0.84
Dry Gas Meter Factor (Kd)	0.9876
Preliminary values entered before test run	
Prelim Atmospheric Pressure (in Hg, abs.)	30.36
Prelim Static Pressure (in. H2O)	-0.84
Perlim Stack Gas Moisture (% volume)	6.91
Prelim Dry Gas Fraction	0.9309
Prelim Stack Gas Molecular Wt. (lbs/lb-mole)	28.52

Final values to be entered upon completion of test run	
CO2 (%)	3.73
O2 (%)	5.87
H2 (%)	0.00
Beginning Impinger Wt (g)	2944.8
Ending Impinger Wt. (g)	3001.3
Sample Volume at STP (DSCF)	31.406
Sample Volume at STP (liters)	889.43
Stack Area (ft2)	113.10
Atmospheric Pressure (in Hg, abs.)	30.28
Static Pressure (in. H2O)	-0.84
Stack Gas Moisture (% volume)	7.82
Dry Gas Fraction	0.9218
Stack Gas Molecular Wt. (lbs/lb-mole)	27.98

Impinger Wt.	#1 H2O	#2 H2O	#3 MT	#4 SiGel
Initial wt (g)	736.9	673.2	604.5	930.2
Final wt (g)	780.6	676.8	604.8	939.1
Wt. Gain (g)	43.7	3.6	0.3	8.9

Average Meter Box Readings	
Average DGM Temperature (°F)	78.3
Average Stack Temperature (°F)	772.8
Average Square Root of ΔP's	0.048
Average Measured ΔH	0.676
Final Flow Rate Results	
Absolute stack pressure (in. Hg)	30.218218
Stack Velocity (ft/min @ stack conditions)	248
Stack Flow,wet (ACFM)	27992
Stack Flow, dry (SCFH)	669675
Stack Flow, wet (SCFH)	726467
Stack Velocity (DSFM)	99
Final Isokinetic Results	
Percent of isokinetic sampling rate	**97.47**

	DGM Observed (ft3)	DGM Target (ft3)	Date 11/28/2007 Time	DGM Temp. Ave. (°F)	DGM in (°F)	DGM out (°F)	Calculated ΔH	Measured ΔH	Corrected Volume (ft3)	ΔP	√ΔP	Stack Gas Temp (°F)	Stack Gas Velocity (ft/s)	% ISO Point	% ISO Total
Traverse Point No.	525.180		4:30												
Point 1	527.538	527.489	4:40	78	78	78	0.16	0.16	2.320	0.0004	0.0200	761	1.71	102.1	102.1
Point 2	530.761	530.771	4:50	78	78	78	0.33	0.33	3.172	0.0008	0.0283	785	2.44	99.7	100.5
Point 3	534.948	534.895	5:00	78	78	78	0.53	0.53	4.123	0.0013	0.0361	776	3.10	101.3	100.8
Point 4	540.937	541.128	5:10	78	78	78	1.18	1.18	5.907	0.0029	0.0539	770	4.61	96.9	99.3
Point 5	547.035	547.044	5:20	79	79	79	1.14	1.18	6.003	0.0028	0.0529	761	4.52	99.9	99.6
Point 6	557.165	557.757	5:30	79	79	79	3.63		10.032	0.0089	0.0943	784	8.13	94.5	97.7
Average Values				**78.3**			**1.2**	**0.7**		**0.0029**	**0.048**	**772.8**	**4.1**	**99.1**	

Emissions testing performed by TRC, Austin, Texas

APPENDIX B:
QUALITY ASSURANCE ACTIVITIES

Instrumental Quality Assurance F-2745

155910 Chevron Pascagoula F-2745 Sulfur II
Run 1 11/27/2007 3:06:34 PM 3:26:34 PM

Initial Calibration Error	Range	Low Gas	Mid Gas	High Gas	Zero Response	Low Response	Mid Response	High Response	Zero Cal Error	Low Cal Error	Mid Cal Error	High Cal Error
NOx (ppm)	84.70	24.90	45.00	84.70	0.04	24.95	45.26	84.78	0.05	0.06	0.31	0.09
CO (ppm)	85.20	25.10	45.60	85.20	0.05	24.43	44.56	85.06	0.06	-0.79	-1.22	-0.16
O2 (%)	25.00	4.48	11.99	20.90	0.00	4.49	12.06	20.92	0.00	0.04	0.28	0.07
CO2(%)	25.00	4.48	7.04	20.90	-0.08	4.46	6.98	20.95	-0.31	-0.08	-0.26	0.20
SO2 (ppm)	101.50	25.30	45.40	101.50	0.09	25.46	45.75	101.14	0.09	0.15	0.34	-0.36

Thru the Probe Bias and Drift	Bias Gas Used	TTP Initial Zero	TTP Final Zero	TTP Initial Span	TTP Final Span	Zero Bias	Span Bias	Zero Drift	Span Drift
NOx (ppm)	45.00	0.04	0.54	45.26	45.46	0.59	0.54	-0.59	-0.24
CO (ppm)	45.60	-0.05	-0.24	44.47	44.66	-0.34	-1.10	0.22	-0.22
O2 (%)	11.99	0.00	0.03	12.06	11.86	0.13	-0.52	-0.13	0.79
CO2(%)	7.04	-0.07	-0.05	6.97	6.88	0.12	-0.63	-0.10	0.36
SO2 (ppm)	45.40	0.15	-0.08	45.69	44.78	-0.17	-0.61	0.23	0.89

Test Run Results	Minimum	Maximum	Std. Dev.	Raw Results	Corrected Results
NOx (ppm)	21.45	24.59	0.72	22.59	22.27
CO (ppm)	30.60	38.51	1.62	33.89	34.71
O2 (%)	5.03	5.37	0.04	5.16	5.16
CO2(%)	3.73	3.84	0.02	3.78	3.87
SO2 (ppm)	42.44	43.99	0.41	43.25	43.41

155910 Chevron Pascagoula F-2745 Sulfur II
Run 1A 11/27/2007 4:24:05 PM 4:54:05 PM

Initial Calibration Error	Range	Low Gas	Mid Gas	High Gas	Zero Response	Low Response	Mid Response	High Response	Zero Cal Error	Low Cal Error	Mid Cal Error	High Cal Error
NOx (ppm)	84.70	24.90	45.00	84.70	0.04	24.95	45.26	84.78	0.05	0.06	0.31	0.09
CO (ppm)	85.20	25.10	45.60	85.20	0.05	24.43	44.56	85.06	0.06	-0.79	-1.22	-0.16
O2 (%)	25.00	4.48	11.99	20.90	0.00	4.49	12.06	20.92	0.00	0.04	0.28	0.07
CO2(%)	25.00	4.48	7.04	20.90	-0.08	4.46	6.98	20.95	-0.31	-0.08	-0.26	0.20
SO2 (ppm)	101.50	25.30	45.40	101.50	0.09	25.46	45.75	101.14	0.09	0.15	0.34	-0.36

Thru the Probe Bias and Drift	Bias Gas Used	TTP Initial Zero	TTP Final Zero	TTP Initial Span	TTP Final Span	Zero Bias	Span Bias	Zero Drift	Span Drift
NOx (ppm)	45.00	0.54	0.74	45.46	45.96	0.83	1.13	-0.24	-0.59
CO (ppm)	45.60	-0.24	-0.24	44.66	44.48	-0.34	-1.31	0.00	0.21
O2 (%)	11.99	0.03	0.05	11.86	11.94	0.18	-0.21	-0.05	-0.31
CO2(%)	7.04	-0.05	-0.04	6.88	6.89	0.16	-0.60	-0.04	-0.03
SO2 (ppm)	45.40	-0.08	0.55	44.78	45.46	0.46	0.06	-0.62	-0.67

Test Run Results	Minimum	Maximum	Std. Dev.	Raw Results	Corrected Results
NOx (ppm)	21.25	23.70	0.59	22.35	21.68
CO (ppm)	29.23	40.11	1.79	33.93	34.78
O2 (%)	5.05	5.38	0.06	5.24	5.26
CO2(%)	3.72	3.86	0.02	3.79	3.89
SO2 (ppm)	37.59	39.16	0.39	38.45	38.65

155910 Chevron Pascagoula F-2745 Sulfur II
Run 2 11/27/2007 5:40:22 PM 6:40:22 PM

Initial Calibration Error	Range	Low Gas	Mid Gas	High Gas	Zero Response	Low Response	Mid Response	High Response	Zero Cal Error	Low Cal Error	Mid Cal Error	High Cal Error
NOx (ppm)	84.70	24.90	45.00	84.70	0.04	24.95	45.26	84.78	0.05	0.06	0.31	0.09
CO (ppm)	85.20	25.10	45.60	85.20	0.05	24.43	44.56	85.06	0.06	-0.79	-1.22	-0.16
O2 (%)	25.00	4.48	11.99	20.90	0.00	4.49	12.06	20.92	0.00	0.04	0.28	0.07
CO2(%)	25.00	4.48	7.04	20.90	-0.08	4.46	6.98	20.95	-0.31	-0.08	-0.26	0.20
SO2 (ppm)	101.50	25.30	45.40	101.50	0.09	25.46	45.75	101.14	0.09	0.15	0.34	-0.36

Thru the Probe Bias and Drift	Bias Gas Used	TTP Initial Zero	TTP Final Zero	TTP Initial Span	TTP Final Span	Zero Bias	Span Bias	Zero Drift	Span Drift
NOx (ppm)	45.00	0.74	0.74	45.96	47.16	0.83	2.55	0.00	-1.42
CO (ppm)	45.60	-0.24	-0.24	44.48	44.88	-0.34	-0.85	0.00	-0.47
O2 (%)	11.99	0.05	0.04	11.94	11.94	0.14	-0.20	0.04	-0.01
CO2(%)	7.04	-0.04	-0.05	6.89	6.90	0.11	-0.56	0.06	-0.04
SO2 (ppm)	45.40	0.55	0.84	45.46	46.12	0.74	0.71	-0.29	-0.64

Test Run Results	Minimum	Maximum	Std. Dev.	Raw Results	Corrected Results
NOx (ppm)	20.39	23.98	0.42	22.27	21.15
CO (ppm)	30.87	45.68	2.09	35.93	36.72
O2 (%)	5.11	5.53	0.06	5.31	5.31
CO2(%)	3.67	3.85	0.02	3.75	3.85
SO2 (ppm)	36.54	38.58	0.55	37.55	37.10

155910 Chevron Pascagoula F-2745 Sulfur II
Run 3 11/27/2007 7:20:51 PM 8:20:51 PM

Initial Calibration Error	Range	Low Gas	Mid Gas	High Gas	Zero Response	Low Response	Mid Response	High Response	Zero Cal Error	Low Cal Error	Mid Cal Error	High Cal Error
NOx (ppm)	84.70	24.90	45.00	84.70	0.04	24.95	45.26	84.78	0.05	0.06	0.31	0.09
CO (ppm)	85.20	25.10	45.60	85.20	0.05	24.43	44.56	85.06	0.06	-0.79	-1.22	-0.16
O2 (%)	25.00	4.48	11.99	20.90	0.00	4.49	12.06	20.92	0.00	0.04	0.28	0.07
CO2(%)	25.00	4.48	7.04	20.90	-0.08	4.46	6.98	20.95	-0.31	-0.08	-0.26	0.20
SO2 (ppm)	101.50	25.30	45.40	101.50	0.09	25.46	45.75	101.14	0.09	0.15	0.34	-0.36

Thru the Probe Bias and Drift	Bias Gas Used	TTP Initial Zero	TTP Final Zero	TTP Initial Span	TTP Final Span	Zero Bias	Span Bias	Zero Drift	Span Drift
NOx (ppm)	45.00	0.74	0.44	47.16	45.46	0.47	0.54	0.35	2.01
CO (ppm)	45.60	-0.24	-0.05	44.88	44.47	-0.12	-1.33	-0.22	0.48
O2 (%)	11.99	0.04	0.08	11.94	11.90	0.30	-0.35	-0.16	0.15
CO2(%)	7.04	-0.05	-0.01	6.90	6.91	0.27	-0.52	-0.16	-0.04
SO2 (ppm)	45.40	0.84	1.33	46.12	46.36	1.22	0.94	-0.48	-0.24

Test Run Results	Minimum	Maximum	Std. Dev.	Raw Results	Corrected Results
NOx (ppm)	0.14	23.16	10.83	10.25	9.50
CO (ppm)	-0.27	43.62	18.56	16.79	17.23
O2 (%)	4.97	6.39	0.20	5.22	5.22
CO2(%)	3.57	3.87	0.05	3.73	3.81
SO2 (ppm)	28.94	36.79	2.04	33.22	32.31

Instrumental Quality Assurance F-2765

155910 Chevron Pascagoula F-2765 Sulfur III
Run 1 11/28/2007 1:01:57 PM 2:01:57 PM

Initial Calibration Error	Range	Low Gas	Mid Gas	High Gas	Zero Response	Low Response	Mid Response	High Response	Zero Cal Error	Low Cal Error	Mid Cal Error	High Cal Error
NOx (ppm)	84.70	24.90	45.00	84.70	0.04	24.75	45.16	84.78	0.05	-0.18	0.19	0.09
CO (ppm)	85.20	25.10	45.60	85.20	-0.16	24.23	44.36	84.86	-0.19	-1.02	-1.46	-0.40
O2 (%)	25.00	4.48	11.99	20.90	0.01	4.45	11.98	20.95	0.05	-0.12	-0.03	0.20
CO2(%)	25.00	4.48	7.04	20.90	-0.09	4.43	7.02	20.90	-0.35	-0.21	-0.09	0.02
SO2 (ppm)	101.50	25.30	45.40	101.50	-0.14	26.41	47.29	101.13	-0.14	1.09	1.86	-0.37

Thru the Probe Bias and Drift	Bias Gas Used	TTP Initial Zero	TTP Final Zero	TTP Initial Span	TTP Final Span	Zero Bias	Span Bias	Zero Drift	Span Drift
NOx (ppm)	45.00	0.04	0.54	45.16	44.26	0.59	-0.87	-0.59	1.06
CO (ppm)	45.60	-0.16	-0.34	44.36	44.57	-0.21	-1.21	0.21	-0.25
O2 (%)	11.99	0.01	0.06	11.99	11.99	0.18	0.00	-0.19	0.01
CO2(%)	7.04	-0.08	-0.04	7.00	6.92	0.18	-0.47	-0.16	0.33
SO2 (ppm)	45.40	-0.02	-0.14	47.22	46.67	0.00	1.25	0.12	0.54

Test Run Results	Minimum	Maximum	Std. Dev.	Raw Results	Corrected Results
NOx (ppm)	19.85	23.55	1.14	22.19	22.18
CO (ppm)	47.86	55.84	1.94	51.98	53.26
O2 (%)	5.89	6.20	0.04	5.97	5.96
CO2(%)	3.56	3.67	0.01	3.62	3.69
SO2 (ppm)	38.67	40.24	0.30	39.26	37.98

155910 Chevron Pascagoula F-2765 Sulfur III
Run 2 11/28/2007 2:50:00 PM 3:50:00 PM

Initial Calibration Error	Range	Low Gas	Mid Gas	High Gas	Zero Response	Low Response	Mid Response	High Response	Zero Cal Error	Low Cal Error	Mid Cal Error	High Cal Error
NOx (ppm)	84.70	24.90	45.00	84.70	0.04	24.75	45.16	84.78	0.05	-0.18	0.19	0.09
CO (ppm)	85.20	25.10	45.60	85.20	-0.16	24.23	44.36	84.86	-0.19	-1.02	-1.46	-0.40
O2 (%)	25.00	4.48	11.99	20.90	0.01	4.45	11.98	20.95	0.05	-0.12	-0.03	0.20
CO2(%)	25.00	4.48	7.04	20.90	-0.09	4.43	7.02	20.90	-0.35	-0.21	-0.09	0.02
SO2 (ppm)	101.50	25.30	45.40	101.50	-0.14	26.41	47.29	101.13	-0.14	1.09	1.86	-0.37

Thru the Probe Bias and Drift	Bias Gas Used	TTP Initial Zero	TTP Final Zero	TTP Initial Span	TTP Final Span	Zero Bias	Span Bias	Zero Drift	Span Drift
NOx (ppm)	45.00	0.54	0.54	44.26	45.86	0.59	1.02	0.00	-1.89
CO (ppm)	45.60	-0.34	-0.44	44.57	44.57	-0.33	-1.21	0.12	0.00
O2 (%)	11.99	0.06	0.03	11.99	11.92	0.08	-0.29	0.10	0.29
CO2(%)	7.04	-0.04	-0.08	6.92	6.91	0.05	-0.51	0.13	0.04
SO2 (ppm)	45.40	-0.14	0.58	46.67	47.79	0.71	2.35	-0.71	-1.10

Test Run Results	Minimum	Maximum	Std. Dev.	Raw Results	Corrected Results
NOx (ppm)	19.85	22.45	0.75	21.21	20.89
CO (ppm)	47.36	52.28	0.80	49.38	50.48
O2 (%)	5.92	6.46	0.08	6.08	6.08
CO2(%)	3.50	3.66	0.02	3.60	3.70
SO2 (ppm)	35.49	36.82	0.26	36.24	34.79

155910 Chevron Pascagoula F-2765 Sulfur III
Run 3 11/28/2007 4:30:11 PM 5:30:11 PM

Initial Calibration Error	Range	Low Gas	Mid Gas	High Gas	Zero Response	Low Response	Mid Response	High Response	Zero Cal Error	Low Cal Error	Mid Cal Error	High Cal Error
NOx (ppm)	84.70	24.90	45.00	84.70	0.04	24.75	45.16	84.78	0.05	-0.18	0.19	0.09
CO (ppm)	85.20	25.10	45.60	85.20	-0.16	24.23	44.36	84.86	-0.19	-1.02	-1.46	-0.40
O2 (%)	25.00	4.48	11.99	20.90	0.01	4.45	11.98	20.95	0.05	-0.12	-0.03	0.20
CO2(%)	25.00	4.48	7.04	20.90	-0.09	4.43	7.02	20.90	-0.35	-0.21	-0.09	0.02
SO2 (ppm)	101.50	25.30	45.40	101.50	-0.14	26.41	47.29	101.13	-0.14	1.09	1.86	-0.37

Thru the Probe Bias and Drift	Bias Gas Used	TTP Initial Zero	TTP Final Zero	TTP Initial Span	TTP Final Span	Zero Bias	Span Bias	Zero Drift	Span Drift
NOx (ppm)	45.00	0.54	0.64	45.86	45.26	0.71	0.31	-0.12	0.71
CO (ppm)	45.60	-0.44	-0.55	44.57	44.27	-0.46	-1.56	0.13	0.35
O2 (%)	11.99	0.03	0.04	11.92	11.85	0.11	-0.56	-0.03	0.27
CO2(%)	7.04	-0.08	-0.06	6.91	6.90	0.11	-0.58	-0.06	0.07
SO2 (ppm)	45.40	0.58	1.52	47.79	48.61	1.63	3.16	-0.92	-0.81

Test Run Results	Minimum	Maximum	Std. Dev.	Raw Results	Corrected Results
NOx (ppm)	19.15	21.47	0.69	20.14	19.57
CO (ppm)	50.17	53.46	0.66	51.87	53.16
O2 (%)	5.78	5.98	0.03	5.84	5.87
CO2(%)	3.57	3.67	0.01	3.63	3.73
SO2 (ppm)	34.84	36.14	0.25	35.56	33.23

APPENDIX C:
EXAMPLE CALCULATIONS

Stack Moisture and Molecular Weight

Example for Run: **Run 1**

Observed Measurements:

249.768	beginning DGM reading (ft3)
294.178	ending DGM reading (ft3)
2925.7	beginning impinger weight (g)
2944.9	ending impinger weight (g)
0.9876	Y, DGM factor (unitless)
535.7	Tm, ave. DGM temperature (R = F + 460)
30.38	P_{bar}, barometric pressure (in. Hg)
3.89	CO2 (%)
5.26	O2 (%)
1.89	dH, average

Constants/Conversions/Standards:

528	Tstd, EPA standard temperature (R)
29.92	Pstd, EPA standard pressure (in. Hg)
0.047139831	water (ft3/g)
1.335	water (L/g)
28.32	conversion factor, (L/ft3)
13.6	conversion factor, (in H2O/in Hg)

Impinger Wt. Gain (IWG):

= ending impinger wt. (g) - beginning impinger wt. (g)

= 2944.9 - 2925.7

= 19.2 (g)

Volume Metered (Vm):

= ending DGM reading (ft3) - beginning DGM reading (ft3)

= 294.178 - 249.768

= 44.41 (ft3)

Standard Volume Metered (Vstd):

$$= \frac{(Vm)\,(Y)\,(Tstd)\,(P_{bar}+(dH/13.6)}{(Pstd)\,(Tm)}$$

$$= \frac{44.41 \times 0.9876 \times 528 \times 30.38 + \frac{1.89}{13.6}}{29.92 \times 535.7}$$

= 44.097 (SCF)

Moisture Content (Bws):

$$= \frac{IWG\ (g) \times 0.04715\ (ft3/g)}{(\,(IWG\ (g) \times 0.04715\ (ft3/g)\,) + (\,Vstd\ (ft3)\,)\,)}$$

$$= \frac{0.9051}{(0.9051 + 44.097)}$$

≈ 0.020

= **2.0** (%)

Dry Gas Fraction:

= 1 - Bws

= 1 - 0.020

≈ 0.980

Molecular Wt. (Ms):

Compound	Total Percent	Molecular Weight	Moisture or Dry Fraction	Partial Mol. Wt.
H2O	n/a	18	0.020	0.362
O2	5.3	32	0.980	1.649
CO2	3.9	44	0.980	1.677
CO	0.0	28	0.980	0.000
H2	0.0	2	0.980	0.000
N2	90.9	28	0.980	24.926
				28.61 (lb/lb-mole)

Testing by TRC, Austin, Texas

Stack Gas Flow Rate

Example for Run: **Run 1**

Observed Measurements:

0.84	Cps, pitot tube factor (unitless)
30.38	Pb, barometric pressure (in. Hg)
1306.2	Ts(abs), ave. stack temperature (R, F + 460)
28.61	Ms, stack gas molecular wt. (lb/lb-mole)
-1.13	Pg, stack static pressure (in. H2O)
113.0973	A, stack area (ft2)
6	Number of traverse Points
0.980	Fd, stack dry gas fraction

Constants/Conversions/Standards:

528	Tstd, EPA standard temperature (R)
29.92	Pstd, EPA standard pressure (in. Hg)
85.49	Kp, (ft/s) [(lb/lb-mole) (in. Hg) / (R)(in.H2O)]^0.5
5129.4	Kp, (ft/min) [(lb/lb-mole) (in. Hg) / (R)(in.H2O)]^0.5
60	conversion factor, (s/min)
60	conversion factor, (min/hr)
13.6	conversion factor, (in H2O/in Hg)

Point#	dP	Point#	dP	Point#	dP
1	0.0050	9		17	
2	0.0100	10		18	
3	0.0080	11		19	
4	0.0030	12		20	
5	0.0080	13		21	
6	0.0070	14		22	
7		15		23	
8		16		24	

Absolute Stack Pressure (Ps): = Pb x (Pg / 13.6)

30.38 + (-1.13 / 13.6)

= 30.30 (in. Hg)

Average Square Root of ∑dP (p1): = $\frac{0.488}{6}$

= 0.0813

Stack Velocity (Vs): = Kp x Cp x p1 x [Ts(abs) / (Ps x Ms)]^0.5

(ft/min) = 5129.4 x 0.84 x 0.0813 [1306.2 / (30.30 x 28.61)]^0.5

= 430.2 (ft/min)

Stack Velocity (Vs): = Vs / 60 (s/min)

(ft/sec) = 430.2 / 60

= 7.17 (ft/sec)

Stack Volumetric Flow (Qa): = Vs x A

= 430.2 x 113.0973

= 48652 (ACFM)

Stack Volumetric Flow (Qd): = Qa x 60 (Tstd/Pstd) x (Ps/Ts(abs)) x Fd

= 48652 x 60 $\frac{\text{x } 528}{29.92}$ $\frac{\text{x } 30.30}{1306.2}$ x 0.980

= **1170849 DSCFH**

Testing by TRC, Austin, Texas

Particulate Matter Weights

Example for Run: **Run 1**

Observed Measurements:

Blank Analyses:

-0.0001	Bf, filter blank weight gain (g)
0.0010	Ba, front half blank weight gain (g)
162.9	Va, front half acetone volume (ml)

Front Half Filter Analysis:

0.0116	F, weight gain of filter (g)

Front Half Probe/Nozzle Rinse Analysis:

0.0103	Ra, weight gain of front half rinse (g)
145.2	Vra, front half rinse volume (ml)

Constants/Conversions/Standards:

454	conversion factor, (g/lb)
7000	conversion factor, (grains/lb)
1000000	conversion factor, (ml-mg/g-L)
1000000	conversion factor, (ml-mg/g-L)

Front Half Filter Blank Correction (PMf):

= F - Bf
= 0.0116 -- 0.0001
= 0.0117 (g)

PM conc in front half acetone blank (Cba):

= Ba / Va x 1000000 (mg-ml/g-L)
= 0.0010 / 162.9 x 1000000 (ml-mg/g-L)
= 6.14 (mg/L)

PM conc. in front half rinse sample (Cra):

= Ra / Vra x 1000000 (ml-mg/g-L)
= 0.0103 / 145.2 x 1000000 (ml-mg/g-L)
= 70.9 (mg/L)

Front Half Rinse Blank Correction (Crac):

= Cra - Cba
= 70.9 - 6.14
= 64.8 (mg/L)

Total Front Half rinse PM Mass (PMra):

= Crac x Vra / 1000000 (ml-mg/g-L)
= 64.8 x 145.2 / 1000000 (ml-mg/g-L)
= 0.0094 (g)

Total PM Catch: Front Half

= Pmf + PMra
= 0.0117 + 0.0094
= **0.0211 (g)**

Particulate Matter Emissions / Isokinetics

Example for Run: **Run 1**

Observed Measurements:

44.097	Vstd, gaseous volume collected (DSCF)
1170849	Qd, stack volumetric flowrate (DSCFH)
0.0211	PMtotal, total PM catch (g)
0.005441	An, nozzle area (ft2)
0.980	Fd, dry gas fraction (unitless)
1.887	dH, average dH of DGM (in. H2O)
30.30	Ps, stack absolute pressure (in. Hg)
1306.2	Ts, ave. stack temperature (R, F + 460)
60	ts, sample time (min)
430.2	Vs, stack gas velocity (ft/min)

Constants/Conversions/Standards:

528	Tstd, EPA standard temperature (R)
29.92	Pstd, EPA standard pressure (in. Hg)
454	conversion factor, (g/lb)
7000	conversion factor, (grains/lb)
2000	conversion factor, (lb/ton)
8760	conversion factor, (hr/year)

Total PM Conc. in Stack: *(lb/DSCF)*

= PMtotal / 454 / Vstd
= 0.0211 / 454 / 44.097
= **1.05E-06** **(lb/DSCF)**

Total PM Conc. in Stack: *(grains/DSCF)*

= Total PM Conc. in Stack x 7000 (grains/lb)
= 1.05189E-06 x 7000
= **0.0074** **(grains/DSCF)**

Total PM Emissions: *(lb/hr)*

= Total PM Conc. in Stack x Qd
= 1.05E-06 x 1170849
= **1.23** **(lb/hr)**

Note: Conc. in (lb/DSCF)

Total PM Emissions: *(tons/yr)*

= PM Emissions x conversion factor
= 1.23E+00 x 8760 / 2000
= **5.39** **(tons/yr)**

Note: PM Emissions in (lb/hr)

Ave. Sampling Isokinetics (%):

$$= \frac{(Ts \times Vstd \times Pstd \times 100)}{(Tstd \times Vs \times ts \times An \times Ps \times Fd)}$$

$$= \frac{1306.2 \times 44.097 \times 29.92 \times 100}{528 \times 430.2 \times 60 \times 0.005441 \times 30.30 \times 0.980}$$

= **78.28** **(%)**

Testing by TRC, Austin, Texas

APPENDIX D:
FIELD/LABORATORY DATA SHEETS

TRC Air Measurements
ISOKENETIC SAMPLING DATA SHEET

Plant Name: **Chevron Pascagoula**	Stack Diameter (in): 144	Dry Gas Meter ID: T3
Date: 11/28/07	Stack Moisture (%, est.): 4.38	Dry Gas Meter Factor (Y): .9876
Source: F-2765	Barometric Pres. (Pb, in. Hg): 30.36	Total # of Sample Points: ~~[illegible]~~ 24
Technicians: DGM, MAB, JPB	Static Press (Pg, in H2O): ~~30.36~~ -.84	# of Sample Points per Port: 6
Probe Working Length (ft): 8	Pitot Tube Factor (Cp): S type 0.84	
Nozzle Area (ft2): .00544143	Total Sample Time (min): 60	
Test Run#: 1 Box #: 2 Filter #: 70603	K Factor: 399	

Meterbox Data:

Meter Reading (ft³, Start): 449.983	Time (Start): ~~[illegible]~~ 1:00	O_2 = 5.96	
Meter Reading (ft³, Stop): 487.782	Time (Stop): 2:00	CO_2 = 3.69	

Quality Assurance Leak Checks:

*Meterbox Leak Check: (one-minute leak rate)	leak (cfm)	in. Hg Vac.
Pre-test	0	17
Post-test	0	16
†Pitot Tube Leak Check (+/-)	in. H_2O	seconds
Pre-test	.001	17
Post-test	.002	17

Impinger #	1	2	3	4	5	6
Contents	DI H2O	DI H2O	Empty	SI Gel		
Initial Wt. (g)	745.0	664.9	603.7	925.1		
Final Wt. (g)	792.9	672.0	603.9	928.6		

point #	Clock time	DGM reading	ΔP " H_2O	ΔH " H_2O	Stack Temp °F	Probe Temp °F	Filter Temp °F	Last Impinger Temp °F	DGM in/out Temp °F	Line Vacuum " Hg
START	1:00	449.983	-----	-----	-----	-----	-----	-----	-----	-----
1	1:10	453.820	.0008	.32	757	249	253	63	75	2
2	1:20	455.164	.0002	.08	763	254	258	62	76	1
3	1:30	457.574	~~[illegible]~~ .0004	.16	758	247	263	62	78	2
4	1:40	465.811	~~.0143~~ .0053	2.16	789	261	261	61	79	4
5	1:50	479.001	~~.0055~~ .0143	5.87	765	258	259	62	82	6
6	~~1:60~~ 2:00	487.782	.0055	2.27	764	263	260	62	85	4
Totals or Avgs.										

$\Delta H = \Delta P \times K\ factor \times \frac{(T_{dgm} + 460)}{528}$

* meterbox leak check = less than 0.02 cfm at 15 in. Hg or greatest vacuum observed during test.

† pitot tube leak check = hold 3 in. H_2O for at least 15 sec.

TRC Air Measurements
ISOKENETIC SAMPLING DATA SHEET

Plant Name: **Chevron Pascagoula**	Stack Diameter (in): 144	Dry Gas Meter ID: T3
Date: 11/28/07	Stack Moisture (%, est.): ~~4.88~~ 6.96	Dry Gas Meter Factor (Y): .9876
Source: F 2765	Barometric Pres. (Pb, in. Hg): 30.36	Total # of Sample Points: 24
Technicians: DGM, MAB, JPB	Static Press (Pg, in H2O): -.84	# of Sample Points per Port: 6
Probe Working Length (ft): 8	Pitot Tube Factor (Cp): .84 0.84	
Nozzle Area (ft2): .00544143	Total Sample Time (min): 60	
Test Run#: 2 Box #: Filter #: 70604	K Factor: 399	

Meterbox Data:

Meter Reading (ft^3, Start): 487.855 Time (Start): 2:50
Meter Reading (ft^3, Stop): Time (Stop): 3:50

Impinger #	1	2	3	4	5	6
Contents	DI H2O	DI H2O	Empty	SI Gel		
Initial Wt. (g)	684.2	690.8	537.6	883.0		
Final Wt. (g)	731.2	696.8	538.8	892.1		

Quality Assurance Leak Checks:

*Meterbox Leak Check: (one-minute leak rate)		leak (cfm)	in. Hg Vac.
	Pre-test	.001	17
	Post-test		
†Pitot Tube Leak Check (+/-)		in. H_2O	seconds
	Pre-test	.002	17
	Post-test	.003	17

point #	Clock time	DGM reading	ΔP " H_2O	ΔH " H_2O	Stack Temp °F	Probe Temp °F	Filter Temp °F	Last Impinger Temp °F	DGM in/out Temp °F	Line Vacuum " Hg
START	2:50	487.855	-----	-----	-----	-----	-----	-----	-----	-----
1	3:00	490.743	.0005	.21	750	241	258	61	83	1
2	3:10	493.851	.0004	.16	764	259	264	60	82	1
3	3:20	496.720	.0006	.25	792	268	247	60	81	1
4	3:30	503.687	.0040	1.64	772	261	259	59	82	2
5	3:40	513.614	.0076	3.12	757	267	256	60	83	2
6	3:50	525.091	.0197	3.99	775	254	268	60	84	3
Totals or Avgs.										

$\Delta H = \Delta P \times K\ factor \times \frac{(T_{dgm} + 460)}{528}$

** meterbox leak check = less than 0.02 cfm at 15 in. Hg or greatest vacuum observed during test.*
† pitot tube leak check = hold 3 in. H_2O for at least 15 sec.

TRC Air Measurements
ISOKENETIC SAMPLING DATA SHEET

Plant Name:	Chevron Pascagoula	Stack Diameter (in):	144	Dry Gas Meter ID:	T3
Date:	11/28/07	Stack Moisture (%, est.):	6.91	Dry Gas Meter Factor (Y):	.9876
Source:	F2765	Barometric Pres. (Pb, in. Hg):	30.28	Total # of Sample Points:	24
Technicians:	DGM, MAB, JPB	Static Press (Pg, in H2O):	-.34	# of Sample Points per Port:	12
Probe Working Length (ft):	8	Pitot Tube Factor (Cp):	0.84		
Nozzle Area (ft2):	.00544143	Total Sample Time (min):	60		
Test Run#: 3	Box #: 2 Filter #: 70605	K Factor:	399		

Meterbox Data:

Meter Reading (ft³, Start):	525.180	Time (Start):	4:30
Meter Reading (ft³, Stop):	557.757	Time (Stop):	5:30

Impinger #	1	2	3	4	5	6
Contents	DI H2O	DI H2O	Empty	SI Gel		
Initial Wt. (g)	736.9	673.2	604.5	930.2		
Final Wt. (g)	780.6	676.8	604.8	939.1		

Quality Assurance Leak Checks:

*Meterbox Leak Check: (one-minute leak rate)		leak (cfm)	in. Hg Vac.
	Pre-test	.011	22
	Post-test		

†Pitot Tube Leak Check (+/-)		in. H_2O	seconds
	Pre-test	.001	16
	Post-test	.002	17

point #	Clock time	DGM reading	ΔP " H_2O	ΔH " H_2O	Stack Temp °F	Probe Temp °F	Filter Temp °F	Last Impinger Temp °F	DGM in/out Temp °F	Line Vacuum " Hg
START	4:30 ~~525.180~~	525.180	-----	-----	-----	-----	-----	-----	-----	-----
1	4:40	527.538	0.0004	0.16	761	248	248	63	78	1.0
2	4:50	530.76d	0.0008	0.53	785	248	253	63	78	1.5
3	5:00	534.948	0.0013	1.583	776	248	253	62	78	3.2
4	5:10	~~541.128~~ 540.937	0.0029	1.18	770	249	253	62	79	3.2
5	5:20	547.035	0.0028	1.18	761	249	253	62	79	3.2
6	5:30	557.757	0.0089	3.36	784	250	252	61	79	6
Totals or Avgs.										

$\Delta H = \Delta P \times$ K factor $\times \frac{(T_{dgm} + 460)}{528}$

* meterbox leak check = less than 0.02 cfm at 15 in. Hg or greatest vacuum observed during test.

† pitot tube leak check = hold 3 in. H_2O for at least 15 sec.

TRC Air Measurements
ISOKENETIC SAMPLING DATA SHEET

Plant Name: **Chevron Pascagoula**	Stack Diameter (in): 144	Dry Gas Meter ID: T-3
Date: 11/27/07	Stack Moisture (%, est.):	Dry Gas Meter Factor (Y): .9876
Source: #2745	Barometric Pres. (Pb, in. Hg):	Total # of Sample Points: 24
Technicians: AB, DGM, JPB	Static Press (Pg, in H2O): -1.13	# of Sample Points per Port: 12
Probe Working Length (ft): 8'	Pitot Tube Factor (Cp): S-Type 0.84	
Nozzle Area (ft2):	Total Sample Time (min): 60	
Test Run#: [illegible] Box #: 2 Filter #: 79596	K Factor: 272.07	

Meterbox Data:

Meter Reading (ft³, Start): ~~247.124~~ 249.768	Time (Start): ~~3:05~~ 3:35		
Meter Reading (ft³, Stop): 294.178	Time (Stop): 4:35		

Impinger #	1	2	3	4	5	6
Contents	DI H2O	DI H2O	Empty	SI Gel		
Initial Wt. (g)	745.2	690.0	599.6	890.9		
Final Wt. (g)	746.2	692.7	602.3	903.7		

Quality Assurance Leak Checks:

*Meterbox Leak Check: (one-minute leak rate)	leak (cfm)	in. Hg Vac.
Pre-test	.004	17
Post-test	.001	18

†Pitot Tube Leak Check (+/-)	in. H_2O	seconds
Pre-test	0	20
Post-test	0	20

point #	Clock time	DGM reading	ΔP " H_2O	ΔH " H_2O	Stack Temp °F	Probe Temp °F	Filter Temp °F	Last Impinger Temp °F	DGM in/out Temp °F	Line Vacuum " Hg
START	~~3:05~~ 3:35	~~247.124~~ 249.768	-----	-----	-----	-----	-----	-----	-----	-----
1	3:45	256.217	.005	1.37	842	237	268	62	67	3
2	3:55	265.281	.010	2.76	849	274	259	61	75	3
3	4:05	273.161	.008	2.21	852	276	260	61	76	3
4	4:15	278.361	.003	0.83	850	251	261	60	77	2
5	4:25	286.434	.008	2.21	841	259	268	61	77	3
6	4:35	294.178	.007	1.94	846	273	261	62	77	3
Totals or Avgs.										

$\Delta H = \Delta P \times K\ factor \times \frac{(T_{dgm} + 460)}{528}$

* meterbox leak check = less than 0.02 cfm at 15 in. Hg or greatest vacuum observed during test.

† pitot tube leak check = hold 3 in. H_2O for at least 15 sec.

TRC Air Measurements
ISOKENETIC SAMPLING DATA SHEET

Plant Name: **Chevron Pascagoula**	Stack Diameter (in): 144"	Dry Gas Meter ID: T-3
Date: 11/27/07	Stack Moisture (%, est.):	Dry Gas Meter Factor (Y): .9876
Source: F 2745	Barometric Pres. (Pb, in. Hg):	Total # of Sample Points: 24
Technicians: MAB, DGM, JRB	Static Press (Pg, in H2O): -1.13	# of Sample Points per Port: 12
Probe Working Length (ft): 8"	Pitot Tube Factor (Cp): S-Type 0.84	
Nozzle Area (ft2): .00544143	Total Sample Time (min): 60	
Test Run#: 2 Box #: 4 Filter #: 79597	K Factor: 272.07	

Meterbox Data:

Meter Reading (ft³, Start): 294.433	Time (Start): 5:40
Meter Reading (ft³, Stop): 353.087	Time (Stop): 6:40

Quality Assurance Leak Checks:

*Meterbox Leak Check: (one-minute leak rate)		leak (cfm)	in. Hg Vac.
	Pre-test	.003	16
	Post-test	.007	17
†Pitot Tube Leak Check (+/-)		in. H_2O	seconds
	Pre-test	0	17
	Post-test	.002	15

Impinger #	1	2	3	4	5	6
Contents	DI H2O	DI H2O	Empty	SI Gel		
Initial Wt. (g)	700.7	700.2	534.6	868.5		
Final Wt. (g)	713.2	706.9	537.3	882.6		

point #	Clock time	DGM reading	ΔP " H_2O	ΔH " H_2O	Stack Temp °F	Probe Temp °F	Filter Temp °F	Last Impinger Temp °F	DGM in/out Temp °F	Line Vacuum " Hg
START	5:40	294.433	-----	-----	-----	-----	-----	-----	-----	-----
1	5:50	302.189	.008	2.19	765	237	255	~~71~~ 59	71	~~59~~ 4
2	6:00	313.69	.012	4.56	840	272	261	58	72	~~58~~ 3
3	6:10	323.588	.007	2.7	834	267	248	58	73	~~58~~ 3
4	6:20	334.018	.006	~~2.63~~ 2.5	842	263	270	60	74	~~60~~ 3
5	6:30	343.010	.005	2.75	833	270	263	61	74	~~61~~ 2
6	6:40	353.087	.006	2.75	840	269	259	60	74	~~60~~ 3
Totals or Avgs.										

$\Delta H = \Delta P \times \text{K factor} \times \frac{(T_{dgm} + 460)}{528}$

* meterbox leak check = less than 0.02 cfm at 15 in. Hg or greatest vacuum observed during test.
† pitot tube leak check = hold 3 in. H_2O for at least 15 sec.

TRC Air Measurements
ISOKENETIC SAMPLING DATA SHEET

Plant Name: **Chevron Pascagoula**	Stack Diameter (in): 144	Dry Gas Meter ID: T-3
Date: 11/27/07	Stack Moisture (%, est.):	Dry Gas Meter Factor (Y): .9876
Source: F ~~2747~~ 2745	Barometric Pres. (Pb, in. Hg):	Total # of Sample Points: 24
Technicians: MAB, DGM, JPB	Static Press (Pg, in H2O): -1.13	# of Sample Points per Port: 12
Probe Working Length (ft): 8'	Pitot Tube Factor (Cp): S-Type 0.84	
Nozzle Area (ft2): .00544143	Total Sample Time (min): 60	
Test Run#: 3 Box #: 2 Filter #:	K Factor: 272.07	

Meterbox Data:

Meter Reading (ft³, Start): 353.500	Time (Start): 7:15
Meter Reading (ft³, Stop):	Time (Stop):

Impinger #	1	2	3	4	5	6
Contents	DI H2O	DI H2O	Empty	Si Gel		
Initial Wt. (g)	746.2	692.7	607.3	963.7		
Final Wt. (g)	814.2	700.6	605.7	917.3		

Quality Assurance Leak Checks:

*Meterbox Leak Check: (one-minute leak rate)	leak (cfm)	in. Hg Vac.
Pre-test	.002	18
Post-test	.003	17

†Pitot Tube Leak Check (+/-)	in. H_2O	seconds
Pre-test	.001	17
Post-test	.000	17

point #	Clock time	DGM reading	ΔP " H_2O	ΔH " H_2O	Stack Temp °F	Probe Temp °F	Filter Temp °F	Last Impinger Temp °F	DGM in/out Temp °F	Line Vacuum " Hg
START	7:15	353.500	-----	-----	-----	-----	-----	-----	-----	-----
1	7:25	363.481	.007	2.95	832	225	246	64	71	6
2	7:35	373.189	.008	3.38	838	242	253	63	71	6
3	7:45	384.257	.011	4.2	844	249	258	63	73	7
4	7:55	393.761	.006	2.54	847	258	269	61	73	4
5	8:05	402.929	.007	2.97	849	267	257	59	74	4
6	8:15	412.860	.008	3.40	847	254	243	59	73	6
Totals or Avgs.										

$\Delta H = \Delta P \times$ K factor $\times \frac{(T_{dgm} + 460)}{528}$

** meterbox leak check = less than 0.02 cfm at 15 in. Hg or greatest vacuum observed during test.*
† pitot tube leak check = hold 3 in. H_2O for at least 15 sec.

M-5 Filter Weighing Data Sheet

COMPANY: Chevron 155910
PLANT: Pascagoula
DATE: 11/7/2007
ISSION POINT:

TARE WEIGHTS

Date:	9/24/2007	9/25/2007				
Time:	3:30	8:30				
Filter #	Weight #1 (g)	Weight #2 (g)	Weight #3 (g)	Weight #4 (g)	Final Avg. Wt.	Absolute Diff. (mg)
70606	0.3567	0.3566			0.3567	0.0001
79596	0.3556	0.3556			0.3556	0.0000
79597	0.3544	0.3545			0.3545	0.0001
79598	0.3552	0.3552			0.3552	0.0000
70603	0.3548	0.3550			0.3549	0.0002
70604	0.3578	0.3577			0.3578	0.0001
70605	0.3554	0.3552			0.3553	0.0002
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000

FINAL WEIGHTS

	Date:	12/6/2007	12/7/2007				
	Time:	8:00	3:00				
DESCRIPTION	Filter #	Weight #1 (g)	Weight #2 (g)	Weight #3 (g)	Weight #4 (g)	Final Avg. Wt.	Absolute Diff. (mg)
Blank	70606	0.3566	0.3566			0.3566	0.0000
F-2745 Run 1	79596	0.3672	0.3672			0.3672	0.0000
Run 2	79597	0.3552	0.3550			0.3551	0.0002
Run 3	79598	0.3740	0.3741			0.3741	0.0001
F-2765 Run 1	70603	0.3560	0.3560			0.3560	0.0000
Run 2	70604	0.3583	0.3582			0.3583	0.0001
Run 3	70605	0.3588	0.3589			0.3589	0.0001
						0.0000	0.0000
						0.0000	0.0000
						0.0000	0.0000
						0.0000	0.0000
						0.0000	0.0000
						0.0000	0.0000
						0.0000	0.0000
						0.0000	0.0000
						0.0000	0.0000

Notes:

TRC

M-5 Beaker Weighing Data Sheet

COMPANY/JOB #: Chevron 155910
PLANT: Pascagoula
DATE: 12/7/2007
EMISSION POINT: Front Half

Page:

TARE WEIGHTS

Date:	11/29/2007	11/30/2007				
Time:	2:00	11:00				
Beaker #	Weight #1 (g)	Weight #2 (g)	Weight #3 (g)	Weight #4 (g)	Final Avg. Wt.	Absolute Diff. (mg)
197	7.8907	7.8908			7.8908	0.0001
165	7.9871	7.9873			7.9872	0.0002
125	7.6656	7.6656			7.6656	0.0000
120	7.9241	7.9241			7.9241	0.0000
181	7.8729	7.8726			7.8728	0.0003
167	7.9536	7.9537			7.9537	0.0001
157	7.9873	7.9874			7.9874	0.0001
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000
					0.0000	0.0000

FINAL WEIGHTS

		Date:	12/6/2007	12/7/2007				
		Time:	8:30	10:00				
DESCRIPTION	Beaker #	Vol. (ml)	Weight #1 (g)	Weight #2 (g)	Weight #3 (g)	Weight #4 (g)	Final Avg. Wt.	Absolute Diff. (mg)
Blank	197	162.9	7.8917	7.8918			7.8918	0.0001
F-2745 Run 1	165	145.2	7.9975	7.9975			7.9975	0.0000
Run 2	125	114.7	7.6740	7.6743			7.6742	0.0003
Run 3	120	119.1	7.9331	7.9333			7.9332	0.0002
F-2765 Run 1	181	137	7.8791	7.8790			7.8791	0.0001
Run 2	167	107.6	7.9617	7.9619			7.9618	0.0002
Run 3	157	100.8	7.9965	7.9964			7.9965	0.0001
							0.0000	0.0000
							0.0000	0.0000
							0.0000	0.0000
							0.0000	0.0000
							0.0000	0.0000
							0.0000	0.0000
							0.0000	0.0000
							0.0000	0.0000
							0.0000	0.0000

Notes:

TRC

PM Weights

Plant:	**Chevron Pascagoula**
Location:	Pascagoula, MS
Source:	F-2765
Technicians:	**MAB, DGM**

Test Run Designation	**Run 1**	**Run 2**	**Run 3**
Date	11/28/2007	11/28/2007	11/28/2007
Start Time (24 hr)	13:00	14:50	16:30
Stop Time (24 hr)	14:00	15:50	17:30
Weights (g)			
BLANK Filter #	***70606***	***70606***	***70606***
Avg. Tare Wt. (g)	0.3567	0.3567	0.3567
Avg. Final Wt.(g)	0.3566	0.3566	0.3566
Filter Blank Weight Gain (g)	-0.0001	-0.0001	-0.0001
SAMPLE Filter #	***70603***	***70604***	***70605***
Avg. Tare Wt. (g)	0.3549	0.3578	0.3553
Avg. Final Wt. (g)	0.356	0.3583	0.3589
Filter Weight Gain (g)	0.0011	0.0005	0.0036
Filter Weight Gain, Blank Corrected (g)	0.0012	0.0006	0.0036
BLANK Front Half Rinse Beaker #	***197***	***197***	***197***
Volume Acetone (ml)	162.9	162.9	162.9
Avg. Tare Wt. (g)	7.8908	7.8908	7.8908
Avg. Final Wt. (g)	7.8918	7.8918	7.8918
Front Half Rinse Blank Weight Gain (g)	0.0010	0.0010	0.0010
Blank Weight Concentration (mg/liter)	6.14	6.14	6.14
SAMPLE Front Half Rinse Beaker #	***181***	***167***	***157***
Volume Acetone (ml)	137.0	107.6	100.8
Avg. Tare Wt. (g)	7.8728	7.9537	7.9874
Avg. Final Wt. (g)	7.8791	7.9618	7.9965
Front Half Rinse Weight Gain (g)	0.0063	0.0082	0.0091
Front Half Rinse Weight Gain, Blank Corrected (g)	0.0055	0.0075	0.0085
Front Half Analyses			
Front Half Particulate Matter Collected (g)	0.0066	0.0080	0.0121

PM Weights

Plant:	**Chevron Pascagoula**
Location:	Pascagoula, MS
Source:	F-2745
Technicians:	**MAB, DGM**

Test Run Designation	**Run 1**	**Run 2**	**Run 3**
Date	11/27/2007	11/27/2007	11/27/2007
Start Time (24 hr)	15:52	17:40	19:15
Stop Time (24 hr)	16:52	18:40	20:15
Weights (g)			
BLANK Filter #	***70606***	***70606***	***70606***
Avg. Tare Wt. (g)	0.3567	0.3567	0.3567
Avg. Final Wt.(g)	0.3566	0.3566	0.3566
Filter Blank Weight Gain (g)	-0.0001	-0.0001	-0.0001
SAMPLE Filter #	***79596***	***79597***	***79598***
Avg. Tare Wt. (g)	0.3556	0.3545	0.3552
Avg. Final Wt. (g)	0.3672	0.3551	0.3741
Filter Weight Gain (g)	0.0116	0.0006	0.0189
Filter Weight Gain, Blank Corrected (g)	0.0117	0.0007	0.0189
BLANK Front Half Rinse Beaker #	***197***	***197***	***197***
Volume Acetone (ml)	162.9	162.9	162.9
Avg. Tare Wt. (g)	7.8908	7.8908	7.8908
Avg. Final Wt. (g)	7.8918	7.8918	7.8918
Front Half Rinse Blank Weight Gain (g)	0.0010	0.0010	0.0010
Blank Weight Concentration (mg/liter)	6.14	6.14	6.14
SAMPLE Front Half Rinse Beaker #	***165***	***125***	***120***
Volume Acetone (ml)	145.2	114.7	119.1
Avg. Tare Wt. (g)	7.9872	7.6656	7.9241
Avg. Final Wt. (g)	7.9975	7.6742	7.9332
Front Half Rinse Weight Gain (g)	0.0103	0.0085	0.0091
Front Half Rinse Weight Gain, Blank Corrected (g)	0.0094	0.0078	0.0084
Front Half Analyses			
Front Half Particulate Matter Collected (g)	0.0211	0.0085	0.0273

APPENDIX E:
OPERATIONAL DATA

APPENDIX F:
TRC DATALOG FILES

Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:15 AM	0.04	0.05	1.235	-0.084375	-0.14
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	0.05	0.485	-0.08125	0.06
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	-0.05	0.8525	-0.073438	-0.08
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	-0.05	1.1075	-0.079688	-0.02
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	-0.05	0.9575	-0.078125	0.06
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	-0.05	1.225	-0.073438	-0.05
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	-0.05	0.81	-0.073438	-0.02
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	0.05	1.0425	-0.08125	0
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	0.05	0.5525	-0.084375	0.03
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	0.05	0.7	-0.075	0.09
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	0.05	0.865	-0.075	0.18
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	0.05	0.5975	-0.0875	0
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:44:28 AM	0.04	0.05	0.6175	-0.079688	0.09
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:56:35 AM	0.04	-0.05	6.935	-0.082812	0.12
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:56:35 AM	0.04	-0.05	0.225	-0.060937	0.06
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:56:35 AM	0.04	-0.05	0.4725	-0.070312	0.16
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:56:35 AM	13.55	38.01	24.7225	4.289062	0.22
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:56:35 AM	99.38	85.17	20.995	4.289062	100.64
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:56:35 AM	85.48	85.17	20.92	4.4625	100.64
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:56:35 AM	84.68	85.17	20.9175	4.45	100.63
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:15 AM	84.67	85.17	20.9125	4.45	100.64
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	84.58	84.96	5.23	21.364062	101.128168
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	61.97	44.27	4.4925	20.953125	101.128168
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	45.36	44.56	4.485	20.964062	44.358515
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	45.26	44.47	12.07	6.728125	45.715198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	45.36	44.47	12.055	6.96875	45.835792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	45.26	44.56	12.0575	6.978125	45.865941
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	45.36	44.56	12.0575	6.967188	45.835792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	45.36	44.56	12.06	6.973437	45.865941
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	42.16	31.9	0.575	0.054688	24.490644
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:04:48 AM	24.95	24.43	0.02	-0.053125	25.455396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:15:15 AM	24.95	24.43	0.015	-0.053125	25.736782
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:16:15 AM	24.95	24.54	0.01	-0.060937	25.696584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:17:15 AM	24.95	24.54	0.005	-0.060937	25.857376
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:18:15 AM	24.95	24.54	0.005	-0.060937	25.797079
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:19:15 AM	24.95	24.54	0.0075	-0.060937	25.696584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:20:15 AM	24.95	24.54	-0.005	-0.067187	25.696584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:21:15 AM	24.95	24.54	0.005	-0.071875	25.857376
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:22:15 AM	24.95	24.54	0.0025	-0.070312	25.827228
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:23:16 AM	24.95	24.54	-0.005	-0.064063	25.857376
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:24:16 AM	0.94	0.15	0	-0.067187	0.492426
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:25:15 AM	0.14	0.05	0	-0.067187	0.371832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:26:16 AM	0.04	0.05	0	-0.0625	0.371832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:27:15 AM	0.04	0.05	0.0025	-0.070312	0.341683
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:28:15 AM	0.04	0.05	0	-0.064063	0.371832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:29:15 AM	0.04	0.05	0.0025	-0.06875	0.371832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:30:15 AM	0.24	7.92	4.505	-0.032813	2.04005
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:31:15 AM	0.44	0.24	4.0775	-0.014063	2.532475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:32:15 AM	0.04	0.05	4.0025	0.001563	2.723416
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:33:16 AM	0.04	0.05	3.9475	0.015625	2.783713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:34:16 AM	0.04	0.05	3.86	0.046875	2.964604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:35:15 AM	0.04	0.05	3.78	0.076562	3.024901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:36:15 AM	0.04	0.05	3.73	0.114062	3.05505
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:37:15 AM	0.04	0.05	3.6975	0.132812	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:38:15 AM	0.04	0.05	3.69	0.140625	3.215842
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:39:15 AM	0.04	0.05	3.6825	0.146875	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:40:15 AM	0.04	0.05	3.6875	0.139063	3.306287
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:41:15 AM	0.04	0.05	3.69	0.134375	3.366584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:42:15 AM	0.04	0.05	3.7	0.132812	3.276139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:43:15 AM	0.04	0.05	3.705	0.114062	3.366584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:44:15 AM	0.04	0.05	3.715	0.103125	3.426881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:45:15 AM	0.04	0.05	3.7225	0.109375	3.426881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:46:15 AM	0.04	0.05	3.73	0.1	3.45703
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:47:16 AM	0.04	0.05	3.7575	0.089063	3.426881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:48:15 AM	0.04	0.05	3.74	0.090625	3.396733
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:49:16 AM	0.04	0.05	3.7425	0.090625	3.45703
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:50:15 AM	0.04	0.05	3.7425	0.08125	3.396733
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:51:15 AM	0.04	0.05	3.74	0.075	3.557525
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:52:15 AM	0.04	0.24	3.29	0.025	3.678119
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:53:15 AM	18.85	41.3	5.3675	3.635937	18.501139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:54:16 AM	21.95	46.15	5.6225	3.835938	37.56505
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:55:16 AM	21.25	47.35	5.4175	3.907812	43.494257
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:56:15 AM	20.75	46.06	5.5575	3.859375	44.549455
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:57:16 AM	20.55	45.96	5.605	3.857813	45.564455
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:58:15 AM	20.75	45.46	5.43	3.896875	46.740248
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:59:15 AM	20.35	46.86	5.665	3.834375	46.740248
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:00:15 AM	20.25	46.06	5.6025	3.851562	47.323119

Testing by TRC, Austin, Texas

Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:01:15 AM	20.25	46.47	5.54	3.86875	47.785396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:02:15 AM	20.35	45.96	5.59	3.857813	48.498911
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:03:15 AM	20.35	44.08	5.6175	3.857813	48.991337
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:04:15 AM	20.55	42.88	5.53	3.873438	50.006337
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:05:15 AM	20.45	42.18	5.67	3.81875	50.046535
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:06:15 AM	20.55	42.88	5.5475	3.840625	50.408317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:07:15 AM	19.95	45.07	5.6	3.848437	51.001238
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:08:15 AM	20.45	40	5.725	3.823437	55.473267
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:09:15 AM	19.55	55.94	5.6475	3.804688	53.282475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:10:15 AM	20.25	52.16	5.5825	3.815625	48.096931
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:11:15 AM	20.15	50.08	5.6625	3.80625	44.44896
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:12:15 AM	20.25	51.86	5.5125	3.842188	45.534307
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:13:15 AM	20.15	49.97	5.3725	3.895312	51.061535
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:14:15 AM	20.45	45.27	5.5725	3.846875	56.990743
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:15:15 AM	20.25	45.67	5.545	3.848437	56.588762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:16:16 AM	20.45	48.25	5.655	3.782813	50.719851
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:17:16 AM	3.94	8.42	20.0775	0.221875	19.737228
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:18:16 AM	0.74	0.45	20.87	0.004687	8.682772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:19:16 AM	0.44	0.15	20.9175	-0.00625	5.28604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:20:16 AM	0.44	0.15	20.9325	-0.009375	3.85901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:21:16 AM	0.34	0.15	20.9375	-0.004687	2.964604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:22:16 AM	0.24	0.15	20.9525	-0.009375	2.592772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:23:16 AM	0.24	0.15	20.9575	-0.009375	2.622921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:24:16 AM	0.24	0.05	20.9575	-0.00625	2.100347
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:25:16 AM	0.14	0.05	20.9675	-0.010937	1.889307
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:26:16 AM	0.24	0.05	20.97	-0.014063	1.949604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:27:16 AM	0.14	0.15	20.975	-0.026562	1.668218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:28:16 AM	0.14	0.05	20.975	-0.023438	1.577772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:29:16 AM	0.34	0.15	20.98	-0.021875	1.487327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:30:16 AM	0.14	0.15	20.9825	-0.023438	1.487327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:31:16 AM	0.14	0.05	20.9825	-0.026562	1.457178
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:32:16 AM	0.14	0.05	20.985	-0.026562	1.607921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:33:16 AM	0.24	0.05	20.9475	0.001563	1.447129
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:34:16 AM	0.44	0.15	20.9725	-0.003125	1.457178
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:35:16 AM	0.14	0.05	20.99	-0.025	1.487327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:36:16 AM	0.14	0.05	20.9925	-0.028125	1.487327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:37:16 AM	0.14	0.05	20.995	-0.014063	1.457178
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:38:16 AM	0.14	0.05	20.9925	-0.025	1.41698
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:39:16 AM	0.34	0.15	20.9825	-0.017188	1.547624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:40:16 AM	0.24	0.15	20.99	-0.020313	1.547624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:41:16 AM	0.14	0.05	21.0025	-0.026562	1.42703
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:42:16 AM	0.04	0.05	21.0025	-0.029687	1.517475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:43:16 AM	0.04	0.05	21.0025	-0.026562	1.517475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:44:16 AM	0.04	0.05	21.0025	-0.026562	1.487327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:45:16 AM	0.14	0.05	21.01	-0.028125	1.547624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:46:16 AM	0.04	0.15	21.01	-0.028125	1.577772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:47:16 AM	0.04	0.05	21.01	-0.020313	1.517475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:48:16 AM	0.14	0.05	21.0025	-0.015625	1.607921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:49:16 AM	0.04	0.15	21.0125	-0.015625	1.607921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:50:16 AM	0.14	0.15	21.005	-0.021875	1.607921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:51:16 AM	0.24	0.15	20.9925	-0.009375	1.668218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:52:16 AM	0.34	0.15	20.98	-0.003125	1.668218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:53:16 AM	0.24	0.15	20.985	-0.00625	1.698366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:54:16 AM	0.34	0.15	20.995	-0.015625	1.638069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:55:16 AM	0.34	0.15	21.005	-0.020313	1.547624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:56:16 AM	0.34	0.15	20.9975	-0.004687	1.638069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:57:16 AM	0.14	0.15	21.0125	-0.020313	1.698366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:58:16 AM	0.14	0.15	21.0125	-0.026562	1.698366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	9:59:16 AM	0.04	0.05	21.0175	-0.026562	1.607921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:00:16 AM	0.14	0.05	21.005	-0.021875	1.638069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:01:16 AM	0.04	0.05	21.01	-0.029687	1.698366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:02:16 AM	0.04	0.05	21	-0.01875	1.638069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:03:16 AM	0.24	0.15	20.99	-0.009375	1.668218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:04:16 AM	0.34	0.15	20.99	-0.007812	1.577772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:05:16 AM	0.64	0.15	20.995	-0.01875	1.607921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:06:16 AM	0.44	0.15	20.9875	-0.007812	1.698366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:07:16 AM	0.54	0.15	20.9975	-0.007812	1.728515
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:08:16 AM	0.14	0.05	21.005	-0.0125	1.698366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:09:16 AM	0.44	0.15	20.9975	-0.0125	1.728515
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:10:16 AM	0.34	0.15	21	-0.010937	1.668218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:11:16 AM	0.34	0.15	20.9975	-0.009375	1.758663
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:12:16 AM	0.54	0.15	20.98	-0.00625	1.638069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:13:16 AM	0.34	0.15	21	-0.020313	1.698366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:14:16 AM	0.14	0.15	21.01	-0.017188	1.698366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:15:16 AM	0.54	0.24	21.0025	-0.017188	1.788812
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:16:16 AM	0.54	0.15	20.9975	-0.01875	1.758663
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:17:16 AM	0.14	0.15	20.995	-0.017188	1.728515

Testing by TRC, Austin, Texas

Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:18:16 AM	0.14	0.05	21.0125	-0.026562	1.668218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:19:16 AM	0.04	0.05	21.0075	-0.023438	1.758663
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:20:16 AM	0.44	0.24	21	-0.017188	1.668218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:21:16 AM	0.54	0.15	21.0075	-0.0125	1.788812
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:22:16 AM	0.14	0.15	21.0025	-0.014063	1.788812
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:23:16 AM	0.14	0.15	21.015	-0.020313	1.728515
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:24:16 AM	1.14	9.72	9.56	0.209375	1.81896
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:25:16 AM	34.36	34.6	4.4275	-0.051562	2.100347
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:26:16 AM	36.16	35.59	4.245	-0.05625	2.070198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:27:16 AM	36.26	35.7	4.195	-0.05	2.130495
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:28:16 AM	36.26	35.89	4.1625	-0.059375	2.160644
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:29:16 AM	36.45	35.89	4.1225	-0.064063	2.070198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:30:16 AM	36.46	35.89	4.09	-0.064063	2.160644
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:31:16 AM	36.56	36.12	4.06	-0.064063	2.130495
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:32:16 AM	36.56	36.12	4.025	-0.0625	2.281238
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:33:16 AM	36.56	36.12	4	-0.05625	2.281238
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:34:16 AM	36.66	36.31	3.9675	-0.065625	2.351584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:35:16 AM	36.65	36.31	3.945	-0.054688	2.351584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:36:16 AM	36.75	36.31	3.915	-0.067187	2.281238
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:37:16 AM	36.75	36.51	3.89	-0.054688	2.351584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:38:16 AM	36.86	36.51	3.8675	-0.059375	2.44203
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:39:16 AM	36.85	36.51	3.835	-0.053125	2.472178
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:40:16 AM	36.96	36.51	3.805	-0.054688	2.472178
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:41:16 AM	37.06	36.7	3.7775	-0.0625	2.532475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:42:16 AM	37.06	36.71	3.7525	-0.067187	2.562624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:43:16 AM	37.16	36.6	3.73	-0.070312	2.562624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:44:16 AM	37.16	36.7	3.715	-0.064063	2.502327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:45:16 AM	37.36	36.21	9.265	-0.051562	2.753564
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:46:16 AM	33.76	34.8	1.125	-0.070312	2.562624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:47:16 AM	45.06	44.47	0.0575	-0.070312	3.426881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:48:16 AM	45.36	39.89	0.0375	-0.060937	6.019653
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:49:16 AM	2.14	1.65	0.0225	-0.071875	32.68099
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:50:16 AM	0.24	0.15	0.025	-0.076562	42.258168
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:51:16 AM	0.24	0.05	0.02	-0.076562	45.956386
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:52:16 AM	0.44	0.15	19.085	-0.025	29.002871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:53:16 AM	0.74	0.24	20.645	-0.009375	14.179851
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:54:16 AM	0.44	0.15	20.71	-0.017188	8.803366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:55:16 AM	0.14	0.05	20.73	-0.021875	6.270891
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:56:16 AM	0.14	0.15	20.74	-0.029687	5.034802
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:57:16 AM	0.14	0.05	20.745	-0.029687	4.110248
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:58:16 AM	0.14	0.05	20.74	-0.020313	3.64797
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	10:59:16 AM	0.14	0.15	20.755	-0.015625	3.426881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:00:16 AM	0.04	0.05	20.75	-0.015625	3.125396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:01:16 AM	0.14	0.05	20.755	-0.028125	3.085198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:02:16 AM	0.04	0.15	20.7525	-0.023438	3.05505
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:03:16 AM	0.04	0.05	20.76	-0.023438	2.994752
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:04:16 AM	0.04	0.05	20.7625	-0.021875	2.904307
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:05:16 AM	0.04	0.15	20.765	-0.025	2.713366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:06:16 AM	0.14	0.05	20.7575	-0.029687	2.683218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:07:16 AM	0.04	0.05	20.7675	-0.023438	2.783713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:08:16 AM	0.04	0.05	20.76	-0.01875	2.713366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:09:16 AM	0.14	0.05	20.7575	-0.021875	2.753564
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:10:16 AM	0.04	0.05	20.77	-0.01875	2.683218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:11:16 AM	0.04	0.15	20.765	-0.020313	2.683218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:12:16 AM	0.04	0.05	20.765	-0.029687	2.653069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:13:16 AM	0.04	0.15	20.765	-0.032813	2.653069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:14:16 AM	0.04	0.05	20.7625	-0.021875	2.713366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:15:16 AM	0.04	0.05	20.7625	-0.020313	2.713366
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:16:16 AM	0.04	0.05	20.76	-0.021875	2.653069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:17:16 AM	0.04	0.15	20.765	-0.028125	2.753564
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:18:16 AM	0.04	0.15	20.755	-0.015625	2.622921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:19:16 AM	0.14	0.15	20.76	-0.020313	2.562624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:20:16 AM	0.14	0.15	20.7625	-0.029687	2.592772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:21:16 AM	0.04	0.05	20.755	-0.03125	2.622921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:22:16 AM	0.04	0.05	20.765	-0.032813	2.592772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:23:16 AM	0.04	0.05	20.76	-0.026562	2.592772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:24:16 AM	0.04	0.05	20.76	-0.01875	2.592772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:25:16 AM	0.04	0.15	20.7525	-0.03125	2.663119
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:26:16 AM	0.04	0.15	20.7475	-0.021875	2.532475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:27:16 AM	0.14	0.05	20.7525	-0.023438	2.653069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:28:16 AM	0.24	0.15	20.73	-0.007812	2.562624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:29:16 AM	0.14	0.15	20.75	-0.020313	2.622921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:30:16 AM	0.04	0.15	20.7525	-0.029687	2.683218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:31:16 AM	0.04	0.15	20.755	-0.029687	2.622921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:32:16 AM	0.04	0.05	20.75	-0.028125	2.683218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:33:16 AM	0.04	0.15	20.7525	-0.025	2.653069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:34:16 AM	0.04	0.15	20.7525	-0.020313	2.592772

Testing by TRC, Austin, Texas

Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:35:16 AM	0.04	0.05	20.75	-0.023438	2.653069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:36:16 AM	0.24	0.15	20.745	-0.017188	2.653069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:37:16 AM	0.14	0.05	20.755	-0.028125	2.683218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:38:16 AM	0.04	0.05	20.7525	-0.020313	2.683218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:39:16 AM	0.14	0.05	20.74	-0.026562	2.783713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:40:16 AM	0.44	0.24	20.7425	-0.01875	2.753564
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:41:16 AM	0.14	0.05	20.755	-0.015625	2.783713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:42:16 AM	0.04	0.15	20.755	-0.01875	2.874158
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:43:16 AM	0.24	0.15	20.7475	-0.009375	2.783713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:44:16 AM	0.24	0.15	20.7425	-0.023438	2.783713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:45:16 AM	0.04	0.05	20.755	-0.026562	2.813861
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:46:16 AM	0.24	0.15	20.7325	-0.009375	2.874158
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:47:16 AM	0.14	0.15	20.755	-0.028125	2.964604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:48:16 AM	0.14	0.15	20.755	-0.01875	2.84401
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:49:16 AM	0.14	0.15	20.75	-0.0125	2.904307
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:50:16 AM	0.14	0.15	20.7375	-0.01875	2.813861
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:51:16 AM	0.14	0.15	20.745	-0.01875	2.964604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:52:16 AM	0.24	0.15	20.7275	-0.010937	2.934455
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:53:16 AM	0.15	0.15	20.745	-0.017188	3.05505
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:54:16 AM	0.24	0.15	20.7325	-0.00625	3.085198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:55:16 AM	0.14	0.15	20.7475	-0.029687	2.934455
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:56:16 AM	0.04	0.05	20.755	-0.023438	2.994752
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:57:16 AM	0.04	0.15	20.7475	-0.020313	3.05505
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:58:16 AM	0.04	0.05	20.7475	-0.01875	2.994752
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	11:59:16 AM	0.04	0.05	20.7475	-0.026562	3.085198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:00:16 PM	0.04	0.05	20.755	-0.03125	2.964604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:01:16 PM	0.04	0.05	20.74	-0.028125	3.05505
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:02:16 PM	0.04	0.05	20.74	-0.029687	3.024901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:03:16 PM	0.04	0.05	20.745	-0.032813	3.024901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:04:16 PM	0.34	0.15	20.73	-0.014063	2.994752
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:05:16 PM	0.54	0.24	20.74	-0.0125	3.085198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:06:16 PM	0.24	0.15	20.7375	-0.025	3.085198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:07:16 PM	0.14	0.15	20.745	-0.028125	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:08:16 PM	0.15	0.05	20.7325	-0.01875	3.125396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:09:16 PM	0.24	0.05	20.7375	-0.014063	3.125396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:10:16 PM	0.34	0.15	20.74	-0.023438	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:11:16 PM	0.04	0.15	20.745	-0.032813	3.125396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:12:16 PM	0.04	0.05	20.7475	-0.032813	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:13:16 PM	0.04	0.05	20.74	-0.032813	3.24599
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:14:16 PM	0.04	0.05	20.75	-0.029687	3.24599
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:15:16 PM	0.04	0.15	20.745	-0.029687	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:16:16 PM	0.04	0.15	20.7475	-0.03125	3.145495
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:17:16 PM	0.04	0.15	20.74	-0.029687	3.185693
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:18:16 PM	0.04	0.15	20.7425	-0.01875	3.085198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:19:16 PM	0.44	0.24	20.7425	-0.023438	3.185693
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:20:16 PM	0.04	0.05	20.74	-0.023438	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:21:16 PM	0.04	0.05	20.74	-0.015625	3.215842
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:22:16 PM	0.34	0.15	20.7125	0	3.185693
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:23:16 PM	0.24	0.15	20.735	-0.017188	3.085198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:24:16 PM	0.24	0.05	20.7225	-0.009375	3.185693
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:25:16 PM	0.14	0.15	20.7325	-0.020313	3.085198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:26:16 PM	0.04	0.05	20.7325	-0.029687	3.125396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:27:16 PM	0.14	0.15	20.7425	-0.03125	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:28:16 PM	0.15	0.05	20.74	-0.021875	3.185693
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:29:16 PM	0.04	0.05	20.74	-0.03125	3.155545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:30:16 PM	0.04	0.15	20.745	-0.021875	3.125396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:31:16 PM	0.04	0.15	20.7375	-0.021875	3.185693
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:32:16 PM	0.14	0.15	20.725	-0.014063	3.215842
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:33:16 PM	0.14	0.15	20.7325	-0.020313	3.215842
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:34:16 PM	0.14	0.15	20.7175	-0.025	3.276139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:35:16 PM	0.24	0.15	20.735	-0.017188	3.306287
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:36:16 PM	0.24	0.15	20.7175	-0.0125	3.276139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:37:16 PM	0.14	0.04	20.7275	-0.01875	3.175644
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:38:16 PM	0.14	0.15	20.7175	-0.029687	3.336436
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:39:16 PM	0.04	0.04	20.735	-0.025	3.306287
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:40:16 PM	0.04	0.04	20.735	-0.020313	3.426881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:41:16 PM	0.04	0.04	20.735	-0.03125	3.396733
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:42:16 PM	0.04	0.04	20.73	-0.029687	3.336436
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:43:16 PM	0.04	0.04	20.735	-0.034375	3.396733
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:44:16 PM	0.84	2.23	13.9825	1.48125	3.366584
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:45:16 PM	14.05	27.33	9.105	2.701563	20.109059
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:46:16 PM	17.25	29.51	8.2275	2.973437	29.987723
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:47:16 PM	17.35	34.98	7.6575	3.098438	34.278861
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:48:16 PM	17.75	30.7	7.2675	3.246875	35.022525
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:49:16 PM	17.55	29.61	8.0325	3.054688	35.273762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:50:16 PM	18.25	28.61	7.625	3.179688	35.273762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:51:16 PM	18.35	28.13	7.7425	3.123438	35.394356

Testing by TRC, Austin, Texas

Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:52:16 PM	18.15	27.73	7.5275	3.182812	35.213465
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:53:16 PM	18.45	27.81	7.665	3.126562	35.615446
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:54:16 PM	17.35	34.79	7.5375	3.153125	35.796337
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:55:16 PM	15.75	28.82	9.4075	2.660938	33.354307
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:56:16 PM	16.35	27.42	7.9725	3.059375	32.741287
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:57:16 PM	17.95	28.61	7.5525	3.160938	34.30901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:58:16 PM	17.25	26.62	8.72	2.817187	33.756287
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	12:59:16 PM	16.85	26.93	8.405	2.921875	32.831733
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:00:16 PM	16.35	26.13	9.615	2.592188	32.339307
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:01:16 PM	17.25	27.22	8.2825	2.920313	32.550347
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:02:16 PM	17.45	27.72	8.26	2.954687	33.474901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:03:16 PM	18.45	31.89	7.175	3.259375	34.841634
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:04:16 PM	18.15	31.89	7.49	3.1625	35.022525
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:05:16 PM	17.35	30	8.5375	2.845313	34.811485
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:06:16 PM	18.55	30.29	7.22	3.240625	34.932079
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:07:16 PM	17.85	30.99	7.625	3.125	34.992376
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:08:16 PM	19.76	32.1	6.09	3.546875	36.600297
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:09:16 PM	20.05	31.6	5.975	3.590625	37.213317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:10:16 PM	20.15	33.3	6.9575	3.304688	37.555
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:11:16 PM	19.45	34.98	6.4825	3.495313	37.615297
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:12:16 PM	19.85	31.09	6.645	3.407812	37.645446
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:13:16 PM	20.65	32.29	6.29	3.49375	37.95698
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:14:16 PM	20.65	30.9	6.2675	3.496875	37.273614
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:15:16 PM	20.75	33.49	6.315	3.473438	37.675594
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:16:16 PM	20.65	31.39	6.225	3.489063	37.745941
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:17:16 PM	20.65	33.7	6.0125	3.55	37.926832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:18:16 PM	20.65	31.6	6.0325	3.551563	37.866535
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:19:16 PM	20.75	31.09	6.325	3.490625	37.886634
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:20:16 PM	20.16	32.39	6.0075	3.5625	37.615297
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:21:16 PM	20.25	33.39	6.4775	3.407812	37.806238
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:22:16 PM	20.05	33.89	6.0575	3.517187	37.886634
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:23:16 PM	19.45	37.3	6.0675	3.528125	38.047426
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:24:16 PM	19.95	31.5	6.465	3.425	37.243465
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:25:16 PM	19.85	29.8	6.045	3.573437	36.349059
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:26:16 PM	19.95	32.99	6.355	3.448438	36.911832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:27:16 PM	20.15	32.4	6.1225	3.546875	37.806238
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:28:16 PM	20.15	30.8	6.0675	3.520313	37.243465
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:29:16 PM	19.95	31.79	6.055	3.523438	37.615297
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:30:16 PM	20.15	32.1	6.2525	3.48125	37.836386
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:31:16 PM	20.16	31.09	6.135	3.523438	37.715792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:32:16 PM	19.45	30.99	6.55	3.482812	35.856634
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:33:16 PM	20.55	34.59	5.92	3.596875	37.122871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:34:16 PM	20.05	34.18	6.075	3.5875	37.404257
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:35:16 PM	20.15	35.19	6.1625	3.515625	37.15302
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:36:16 PM	19.95	32.5	6.2175	3.520313	37.122871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:37:16 PM	20.36	30.51	6.4	3.475	36.972129
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:38:16 PM	20.85	30.9	6.07	3.557813	37.092723
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:39:16 PM	20.15	31.7	6.4325	3.4625	37.213317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:40:16 PM	20.45	29.32	6.08	3.579687	37.404257
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:41:16 PM	19.95	35.09	6.06	3.55	37.213317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:42:16 PM	19.85	33.3	6.2725	3.489063	37.243465
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:43:16 PM	20.05	31.09	6.3	3.551563	37.303762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:44:16 PM	19.45	34.69	6.195	3.51875	37.524851
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:45:16 PM	19.95	32.3	6.3575	3.489063	37.866535
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:46:16 PM	20.05	33.1	6.825	3.348437	38.268515
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:47:16 PM	19.75	32.19	6.1125	3.529687	38.107723
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:48:16 PM	20.15	31.7	6.32	3.467187	38.479554
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:49:16 PM	20.25	31.6	6.005	3.576563	38.509703
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:50:16 PM	20.45	31.79	6.175	3.53125	38.389109
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:51:16 PM	20.26	29.71	7.8475	3.1	37.273614
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:52:16 PM	16.25	23.82	9.395	2.664062	33.444752
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:53:16 PM	15.75	23.43	9.83	2.545312	31.535347
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:54:16 PM	14.65	25.02	9.765	2.567188	30.570594
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:55:16 PM	15.15	23.92	9.7875	2.565625	30.198762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:56:16 PM	15.25	24.22	8.8425	1.895313	30.168614
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:57:16 PM	38.76	42.48	0.3475	0.025	18.038861
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:58:16 PM	44.46	44.26	0.045	-0.051562	11.215248
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	1:59:16 PM	44.56	44.36	2.25	0.55625	8.250644
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:00:16 PM	11.75	7.8	11.3925	6.442188	8.310941
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:01:16 PM	0.94	-0.16	11.9675	6.867188	6.914059
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:02:16 PM	0.44	-0.35	11.7525	6.723438	6.70302
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:03:16 PM	12.55	23.53	9.8675	2.78125	17.325347
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:04:16 PM	15.95	23.92	9.4825	2.676563	26.621139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:05:16 PM	16.55	22.5	9.6275	2.621875	30.299257
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:06:16 PM	16.25	20.8	9.485	2.667187	31.595644
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:07:16 PM	16.55	22.4	9.1325	2.740625	32.580495
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:08:16 PM	16.65	23.74	9.34	2.676563	33.203564

Testing by TRC, Austin, Texas

Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:09:16 PM	16.35	24.23	9.18	2.7	33.786436
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:10:16 PM	16.15	24.03	9.8675	2.521875	33.69599
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:11:16 PM	15.65	22.7	9.8325	2.535938	33.072921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:12:16 PM	16.25	22.99	9.5825	2.610937	33.69599
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:13:16 PM	16.45	22.59	9.4475	2.642187	33.726139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:14:16 PM	16.05	23.82	9.7675	2.551563	33.635693
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:15:16 PM	16.25	23.43	9.7025	2.570312	33.50505
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:16:16 PM	15.75	22.1	10.22	2.43125	32.952327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:17:16 PM	15.15	22.5	10.125	2.445312	32.459901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:18:16 PM	15.45	21.5	10.3425	2.410937	32.218713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:19:16 PM	14.95	22.9	9.655	2.6	31.776535
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:20:16 PM	14.75	22.8	10.1175	2.473437	32.027772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:21:16 PM	15.25	21.71	9.7225	2.564062	32.178515
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:22:16 PM	15.35	21.9	9.6	2.59375	32.711139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:23:16 PM	14.85	24.53	10.11	2.442187	32.640792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:24:16 PM	15.05	23.09	9.65	2.584375	32.299109
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:25:16 PM	14.75	24.33	9.86	2.514062	32.238812
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:26:16 PM	16.05	25.13	8.625	2.854687	32.711139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:27:16 PM	16.76	27.55	8.715	2.853125	34.680842
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:28:16 PM	16.75	22.29	8.375	2.842188	34.469802
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:29:16 PM	16.35	0.24	8.38	2.829688	34.680842
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:30:16 PM	0.84	0.05	8.39	2.821875	34.680842
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:31:16 PM	0.54	0.05	8.3975	2.820312	34.741139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:32:16 PM	0.44	0.05	8.405	2.803125	34.680842
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:33:16 PM	14.45	11.92	7.39	3.85	52.438317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:34:16 PM	25.75	39.89	5.285	3.773438	54.659257
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:35:16 PM	25.05	38.6	5.2425	3.776562	52.498614
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:36:16 PM	24.85	42.88	5.0875	3.807812	48.830545
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:37:16 PM	24.15	59.52	5.24	3.729687	48.458713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:38:16 PM	24.95	57.24	5.25	3.726562	47.654752
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:39:16 PM	25.35	53.67	5.3025	3.717188	46.850792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:40:16 PM	25.35	50.27	5.2075	3.757812	46.07698
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:41:16 PM	25.25	48.46	5.2175	3.757812	45.433812
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:42:16 PM	25.55	46.95	5.125	3.79375	45.092129
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:43:16 PM	25.25	44.27	5.13	3.782813	44.750446
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:44:16 PM	24.25	45.07	5.1075	3.784375	44.690149
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:45:16 PM	24.05	41.7	5.1425	3.784375	44.408762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:46:16 PM	23.65	39.7	5.23	3.74375	43.484208
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:47:16 PM	23.45	40.4	5.0975	3.778125	43.303317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:48:16 PM	22.75	44.37	5.1375	3.75625	43.825891
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:49:16 PM	23.15	41.99	5.1225	3.79375	44.288168
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:50:16 PM	23.15	40.8	5.1975	3.760937	44.318317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:51:16 PM	22.95	40.8	5.2975	3.729687	44.408762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:52:16 PM	22.95	40.2	5.19	3.757812	44.438911
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:53:16 PM	23.15	38.01	5.0975	3.792187	44.04698
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:54:16 PM	23.15	35.7	5.1775	3.759375	43.916337
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:55:16 PM	22.96	37.8	5.06	3.810938	44.288168
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:56:16 PM	22.55	40.3	5.245	3.735937	44.44896
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:57:16 PM	22.55	38.7	5.205	3.753125	44.197723
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:58:16 PM	22.95	36.31	5.125	3.76875	44.006782
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	2:59:16 PM	23.65	33.3	5.0475	3.804688	43.584703
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:00:16 PM	23.35	36.41	5.175	3.759375	43.273168
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:01:16 PM	23.95	33.2	5.085	3.790625	43.303317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:02:16 PM	23.55	36.7	5.1725	3.757812	43.182723
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:03:16 PM	24.27	33.02	5.0975	3.807812	43.24302
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:04:16 PM	23.75	35.3	5.1275	3.775	43.363614
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:05:16 PM	23.55	36.51	5.2025	3.75	43.082228
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:06:16 PM	23.55	36.21	5.1975	3.764063	43.273168
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:06:34 PM	23.55	36.31	5.2275	3.753125	43.273168
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:07:34 PM	23.78	34.19	5.1225	3.820312	43.212871
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:08:34 PM	23.85	34	5.205	3.778125	43.082228
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:09:34 PM	23.25	35.79	5.15	3.776562	42.740545
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:10:34 PM	23.65	33.4	5.0975	3.8	42.680248
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:11:34 PM	23.65	31.31	5.2025	3.782813	42.650099
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:12:34 PM	23.16	33.33	5.15	3.7875	42.84104
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:13:34 PM	22.85	32.91	5.2125	3.767188	42.991782
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:14:34 PM	21.85	36.21	5.1625	3.778125	43.182723
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:15:34 PM	22.25	33.71	5.095	3.80625	43.021931
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:16:34 PM	22.25	32.4	5.225	3.771875	42.961634
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:17:34 PM	22.65	32.7	5.0975	3.809375	42.810891
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:18:34 PM	21.45	37.72	5.1625	3.770312	43.333465
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:19:34 PM	21.85	34.99	5.1075	3.795313	43.423911
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:20:34 PM	22.05	33.1	5.21	3.76875	43.916337
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:21:34 PM	22.15	32.01	5.16	3.785937	43.825891
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:22:34 PM	22.15	32.3	5.0875	3.814063	43.795743
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:23:34 PM	22.15	32.81	5.205	3.76875	43.614851
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:24:34 PM	22.35	31.8	5.0975	3.815625	43.795743

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Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:25:34 PM	22.25	33.8	5.21	3.751562	43.795743
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1	11/27/2007	3:26:34 PM	22.05	34	5.235	3.742188	43.393762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:27:34 PM	22.05	34.4	5.255	3.745312	43.484208
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:28:34 PM	22.15	32.59	5.15	3.773438	43.363614
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:29:34 PM	21.85	34.51	5.235	3.773438	43.303317
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:30:34 PM	22.05	35.09	5.19	3.767188	42.991782
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:31:34 PM	22.15	34.9	5.2	3.773438	43.182723
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:32:34 PM	22.85	35.39	5.2	3.770312	43.052079
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:33:34 PM	22.45	37.61	5.1675	3.792187	42.901337
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:34:34 PM	22.85	34.41	5.1425	3.804688	42.650099
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:35:34 PM	23.05	32.3	5.2425	3.770312	42.378762
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:36:34 PM	23.15	31.6	5.2	3.784375	42.780743
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:37:34 PM	23.25	33.6	5.2	3.776562	42.278267
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:38:34 PM	23.05	32.2	5.13	3.809375	42.499356
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:39:34 PM	22.65	33.31	5.145	3.78125	42.278267
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:40:34 PM	22.45	32.01	5.1875	3.785937	42.499356
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:41:34 PM	22.15	32.4	5.135	3.809375	42.810891
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:42:34 PM	21.76	34.19	5.2375	3.760937	43.363614
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:43:34 PM	21.55	33.61	5.2325	3.764063	43.484208
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:44:34 PM	22.05	31.8	5.185	3.782813	43.675149
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:45:34 PM	22.35	31.4	5.195	3.789062	44.25802
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:46:34 PM	21.65	35.89	5.2275	3.770312	44.227871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:47:35 PM	21.95	32.59	5.1525	3.789062	44.44896
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:48:35 PM	22.15	31.6	5.1375	3.807812	44.227871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:49:35 PM	22.35	32.4	5.1475	3.792187	43.986683
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:50:35 PM	22.15	32.5	5.1525	3.789062	42.368713
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:51:35 PM	21.65	34.41	5.1675	3.807812	40.981881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:52:35 PM	21.85	33.9	5.2175	3.76875	39.193069
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:53:35 PM	39.86	44.56	0.4125	0.225	30.017871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:54:35 PM	45.26	44.47	0.045	-0.029687	4.693119
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:55:35 PM	45.36	44.66	0.03	-0.042188	4.512228
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:56:35 PM	45.56	42.88	3.7875	1.8875	7.074851
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:57:35 PM	3.84	2.64	11.6675	6.69375	44.619802
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:58:35 PM	0.64	-0.24	11.8925	6.882812	44.720297
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	3:59:35 PM	0.46	-0.25	11.8375	6.8875	4.240891
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:00:35 PM	19.25	28.03	5.58	3.923437	10.290693
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:01:35 PM	22.75	33.8	5.16	3.796875	26.068416
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:02:35 PM	23.05	33.2	5.12	3.796875	33.113119
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:03:35 PM	23.55	31.8	5.1075	3.815625	36.449554
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:03:59 PM	23.85	31.6	5.19	3.771875	37.283663
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:04:59 PM	22.95	36.41	5.12	3.775	38.760941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:05:59 PM	23.15	34.41	5.135	3.771875	39.474455
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:06:59 PM	23.45	33.71	5.1925	3.773438	39.655347
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:07:59 PM	23.35	31.4	5.11	3.798438	39.37396
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:08:59 PM	22.95	33.11	5.22	3.746875	39.162921
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:09:59 PM	23.05	32.02	5.175	3.775	38.821238
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:10:59 PM	22.25	34.51	5.1675	3.784375	38.640347
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:11:59 PM	22.35	33.71	5.16	3.778125	38.640347
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:12:59 PM	22.55	33.11	5.16	3.785937	38.760941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:13:59 PM	22.25	32.01	5.18	3.767188	38.951881
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:14:59 PM	22.05	33.9	5.1	3.810938	39.313663
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:15:59 PM	21.95	36.61	5.1275	3.790625	39.353861
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:16:59 PM	21.35	40.59	5.175	3.748438	39.474455
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:17:59 PM	21.65	36.41	5.2475	3.746875	39.313663
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:18:59 PM	22.15	34.19	5.1375	3.784375	39.132772
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:19:59 PM	22.48	34.42	5.145	3.795313	38.710693
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:20:59 PM	22.55	32.11	5.165	3.782813	38.670495
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:21:59 PM	22.45	31.32	5.1825	3.795313	38.489604
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:22:59 PM	22.35	31.8	5.1625	3.804688	38.549901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:23:56 PM	22.35	32.31	5.275	3.753125	38.449406
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:24:05 PM	22.25	32.7	5.2375	3.765625	38.389109
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:25:05 PM	22.05	34.19	5.17	3.785937	38.730792
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:26:05 PM	22.45	33.9	5.1725	3.78125	38.760941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:27:05 PM	22.65	33.31	5.095	3.835938	38.821238
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:28:05 PM	22.85	33.61	5.17	3.785937	38.98203
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:29:05 PM	22.45	36.71	5.3425	3.73125	38.881535
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:30:05 PM	23.55	30.3	5.2	3.792187	38.509703
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:31:05 PM	23.38	35.25	5.2075	3.779688	38.55995
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:32:05 PM	22.95	34.51	5.2475	3.759375	38.760941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:33:05 PM	23.25	34.11	5.2225	3.7625	38.760941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:34:05 PM	23.45	32.7	5.1825	3.7875	38.821238
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:35:05 PM	23.25	33.4	5.165	3.779688	38.760941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:36:05 PM	23.05	34.51	5.2175	3.767188	39.042327
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:37:05 PM	22.55	33.5	5.17	3.771875	38.951881
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:38:05 PM	22.55	32.51	5.2525	3.776562	38.791089
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:39:05 PM	22.15	35.1	5.2525	3.778125	37.745941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:40:05 PM	22.25	33.21	5.305	3.785937	38.077574

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Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:41:05 PM	21.95	35.4	5.35	3.771875	38.178069
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:42:05 PM	21.75	37.51	5.3575	3.773438	38.117772
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:43:05 PM	21.65	36.02	5.205	3.821875	38.389109
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:44:05 PM	21.95	36.31	5.3275	3.770312	38.298663
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:45:05 PM	21.35	37.62	5.275	3.795313	38.328812
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:46:05 PM	21.55	34.6	5.305	3.784375	38.459455
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:47:05 PM	21.95	33.71	5.3325	3.782813	38.610198
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:48:05 PM	22.05	32.81	5.25	3.823437	38.208218
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:49:05 PM	22.15	32.7	5.1875	3.823437	38.298663
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:50:05 PM	21.75	34.51	5.2425	3.796875	38.389109
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:51:05 PM	22.05	31.71	5.2875	3.80625	38.117772
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:52:05 PM	21.65	31.9	5.2325	3.8125	37.655495
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:53:05 PM	22.15	30.81	5.295	3.807812	37.745941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 1A	11/27/2007	4:54:05 PM	22.15	31.31	5.2925	3.810938	37.95698
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:55:05 PM	22.35	32.6	5.2325	3.83125	37.745941
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:56:05 PM	22.35	34.3	5.315	3.80625	37.745941
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:57:05 PM	21.55	38.3	5.3325	3.795313	38.268515
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:58:05 PM	22.15	34.19	5.265	3.817187	38.700644
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	4:59:05 PM	22.45	34.1	5.295	3.810938	38.921733
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:00:05 PM	22.65	31.31	5.225	3.882812	38.821238
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:01:05 PM	22.15	35.3	5.365	3.789062	38.489604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:02:05 PM	21.75	35.2	5.5175	3.764063	38.489604
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:03:05 PM	22.15	31.6	5.35	3.810938	38.107723
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:04:05 PM	22.15	33.1	5.4675	3.760937	38.298663
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:05:05 PM	22.15	33.8	5.43	3.7875	38.419257
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:06:05 PM	22.45	33.31	5.415	3.796875	38.147921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:07:05 PM	22.65	32.91	7.935	4.426563	1.919455
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:08:05 PM	3.04	2.45	11.8575	6.817188	0.61302
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:09:05 PM	0.84	-0.24	11.9375	6.890625	0.522574
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:10:05 PM	0.64	-0.34	11.93	6.896875	42.067228
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:11:05 PM	31.55	35.79	0.6275	0.367188	45.46396
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:12:05 PM	45.86	44.37	0.0575	-0.01875	6.09
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:13:05 PM	45.86	44.56	0.0375	-0.05	4.884059
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:14:05 PM	29.26	36.9	5.245	3.55	15.948564
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:15:05 PM	21.45	38.11	5.5275	3.715625	28.01802
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:16:05 PM	21.45	34.8	5.4375	3.742188	34.409505
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:17:05 PM	21.55	34.41	5.455	3.745312	37.776089
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:18:05 PM	22.25	31.51	5.2675	3.796875	39.162921
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:19:05 PM	22.45	33.9	5.5025	3.71875	40.278416
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:20:05 PM	22.45	35.2	5.2625	3.782813	40.861287
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:21:05 PM	22.35	36.82	5.25	3.796875	41.233119
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:22:05 PM	22.15	40.4	5.4325	3.734375	41.454208
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:23:05 PM	21.95	35.2	5.455	3.735937	41.172822
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:24:05 PM	22.15	33.71	5.32	3.771875	41.172822
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:25:05 PM	22.35	34.3	5.4275	3.74375	40.831139
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:26:05 PM	22.25	33.71	5.405	3.789062	40.559802
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:27:05 PM	22.15	38.71	5.5875	3.695312	40.218119
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:28:05 PM	21.65	37.4	5.4825	3.707813	39.655347
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:29:05 PM	22.25	36.6	5.415	3.739063	39.564901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:30:05 PM	22.35	33	5.605	3.710938	38.951881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:31:05 PM	22.65	32.3	5.345	3.776562	38.640347
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:32:05 PM	22.65	32.51	5.3625	3.754688	38.298663
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:33:05 PM	22.05	34.99	5.4275	3.732813	38.760941
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:34:05 PM	21.85	35.6	5.435	3.720312	38.730792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:35:05 PM	21.95	37.01	5.5575	3.70625	38.951881
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:36:05 PM	22.35	34	5.7025	3.685938	38.791089
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:37:05 PM	21.65	40.3	5.4325	3.729687	38.640347
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:38:05 PM	22.65	34.51	5.36	3.779688	38.549901
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:39:05 PM	23.85	31.8	5.2875	3.821875	38.35896
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:40:05 PM	22.25	39.22	5.455	3.720312	38.077574
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	5:40:22 PM	22.25	38.6	5.38	3.742188	38.017277
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:41:22 PM	23.05	33.5	5.24	3.795313	38.117772
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:42:22 PM	23.25	32.4	5.36	3.759375	38.077574
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:43:22 PM	22.95	33.61	5.3125	3.767188	37.95698
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:44:22 PM	22.76	35.09	5.265	3.7625	38.208218
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:45:22 PM	22.45	34.51	5.2475	3.782813	38.238366
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:46:22 PM	22.95	31.1	5.3775	3.740625	38.268515
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:47:22 PM	21.75	40.3	5.2825	3.75625	38.549901
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:48:22 PM	21.95	35.79	5.435	3.717188	38.35896
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:49:22 PM	22.45	34.6	5.2525	3.748438	38.328812
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:50:22 PM	22.43	33.82	5.255	3.753125	38.208218
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:51:22 PM	22.5	35.43	5.3425	3.745312	38.248416
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:52:22 PM	22.95	31.21	5.1425	3.820312	38.178069
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:53:22 PM	22.35	35.79	5.2525	3.748438	37.926832
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:54:22 PM	22.45	34.6	5.3225	3.7375	37.896683
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:55:22 PM	22.65	34.99	5.3025	3.742188	37.926832
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:56:22 PM	22.55	34.19	5.3475	3.734375	37.745941

Testing by TRC, Austin, Texas

Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:57:22 PM	22.65	33.31	5.2325	3.776562	38.017277
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:58:22 PM	22.05	37.51	5.3175	3.729687	38.017277
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	5:59:22 PM	22.05	38.01	5.2425	3.771875	37.987129
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:00:22 PM	21.85	39	5.3175	3.74375	37.926832
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:01:22 PM	22.05	37.61	5.32	3.753125	38.178069
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:02:22 PM	22.15	35.6	5.3925	3.740625	38.298663
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:03:22 PM	22.05	36.52	5.4075	3.717188	37.655495
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:04:22 PM	22.25	35.3	5.3175	3.746875	37.715792
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:05:22 PM	22.35	36.02	5.3125	3.760937	38.077574
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:06:22 PM	22.45	34.9	5.2775	3.767188	38.238366
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:07:22 PM	22.45	36.41	5.3075	3.7625	37.95698
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:08:22 PM	22.55	35.3	5.32	3.742188	37.555
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:09:22 PM	22.35	36.6	5.335	3.75	37.404257
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:10:22 PM	22.35	35.79	5.23	3.773438	37.34396
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:11:22 PM	22.75	32.91	5.3525	3.73125	36.94198
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:12:22 PM	22.87	35.09	5.1825	3.782813	36.670644
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:13:22 PM	22.85	36.41	5.295	3.739063	36.600297
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:14:22 PM	23.05	34.19	5.325	3.746875	36.821386
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:15:22 PM	22.31	36.49	5.385	3.720312	36.801287
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:16:22 PM	22.35	34.19	5.4	3.728125	37.062574
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:17:22 PM	22.15	36.31	5.2875	3.745312	37.062574
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:18:22 PM	22.05	33.71	5.4125	3.720312	37.163069
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:19:22 PM	21.75	36.6	5.265	3.765625	36.881683
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:20:22 PM	21.85	38.41	5.21	3.757812	36.821386
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:21:22 PM	21.95	37.21	5.2675	3.74375	37.002277
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:22:22 PM	21.95	35.5	5.36	3.734375	37.032426
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:23:22 PM	22.05	36.41	5.24	3.804688	36.821386
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:24:22 PM	22.05	39.8	5.33	3.734375	36.851535
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:25:22 PM	22.05	38.01	5.2425	3.760937	37.122871
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:26:22 PM	22.35	35.6	5.2525	3.7625	37.313812
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:27:22 PM	22.35	34.41	5.4	3.720312	37.313812
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:28:22 PM	21.3	34.13	5.3575	3.729687	37.494703
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:29:22 PM	21.85	34.7	5.3325	3.745312	37.374109
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:30:22 PM	21.72	36.7	5.355	3.715625	37.183168
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:31:22 PM	21.85	37.01	5.3425	3.710938	37.434406
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:32:22 PM	21.47	41.78	5.27	3.745312	37.233416
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:33:22 PM	22.05	36.52	5.3975	3.739063	36.821386
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:34:22 PM	21.95	36.41	5.22	3.770312	36.730941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:35:22 PM	22.05	35.09	5.2725	3.759375	36.730941
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:36:22 PM	22.25	34.6	5.3675	3.739063	36.94198
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:37:22 PM	22.35	35.5	5.3125	3.723438	37.193218
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:38:22 PM	21.65	40.2	5.315	3.729687	37.313812
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:39:22 PM	21.65	38.11	5.285	3.745312	37.34396
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 2	11/27/2007	6:40:22 PM	22.05	36.7	5.31	3.735937	37.434406
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:41:22 PM	14.15	30.01	10.595	6.05	25.947822
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:42:22 PM	1.24	0.95	11.8875	6.864063	12.571931
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:43:22 PM	0.74	-0.24	11.935	6.9	1.055198
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:44:22 PM	0.64	-0.24	11.9375	6.896875	18.099158
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:45:22 PM	33.96	25.03	1.0625	0.628125	45.956386
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:46:22 PM	46.56	44.37	0.0725	-0.010937	46.147327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:47:22 PM	47.16	44.88	0.04	-0.040625	46.207624
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:48:22 PM	47.36	44.56	0.035	-0.05625	46.237772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:49:22 PM	46.06	44.67	0.035	-0.0625	43.986683
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:50:22 PM	31.05	41.1	4.5825	3.142187	8.773218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:51:22 PM	22.05	35.5	5.335	3.696875	22.480743
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:52:22 PM	21.45	36.61	5.42	3.735937	28.600891
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:53:22 PM	21.15	37.4	5.4475	3.707813	32.158416
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:54:22 PM	21.35	36.82	5.4475	3.723438	34.439653
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:55:22 PM	21.75	36.02	5.4125	3.7875	35.826485
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:56:22 PM	20.95	42.49	5.5875	3.66875	36.730941
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:57:22 PM	20.95	39.6	5.525	3.704687	37.193218
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:58:22 PM	21.35	37.01	5.48	3.698437	37.715792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	6:59:22 PM	21.25	37.01	5.58	3.685938	37.806238
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:00:22 PM	21.55	35.6	5.4825	3.709375	37.715792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:01:22 PM	21.85	34.8	5.365	3.778125	37.715792
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:02:22 PM	21.05	40.4	5.6025	3.678125	37.404257
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:03:22 PM	21.25	38.11	5.5075	3.720312	37.122871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:04:22 PM	21.35	36.21	5.5275	3.696875	36.972129
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:05:22 PM	21.15	38.91	5.415	3.759375	36.881683
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:06:22 PM	21.25	37.11	5.4975	3.695312	36.761089
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:07:22 PM	21.45	38.91	5.33	3.790625	37.032426
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:08:22 PM	21.12	40.74	5.445	3.715625	36.761089
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:09:22 PM	21.25	38.91	5.37	3.75	36.690743
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:10:22 PM	21.45	36.02	5.5425	3.710938	36.359109
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:11:22 PM	21.65	33.31	5.4225	3.75	35.826485
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:12:22 PM	22.15	33.9	5.405	3.76875	36.017426
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:13:22 PM	21.35	37.21	5.535	3.69375	35.92698

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Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:14:22 PM	21.35	36.31	5.8125	3.63125	35.957129
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:15:22 PM	21.4	36.42	5.635	3.68125	36.298812
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:16:22 PM	21.75	36.81	5.355	3.753125	36.107871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:17:22 PM	21.85	35.09	5.3525	3.75	35.615446
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:18:22 PM	22.09	34.52	5.3175	3.7625	35.303911
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:19:22 PM	21.88	36.62	5.2575	3.815625	35.364208
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:20:22 PM	21.55	40.4	5.2925	3.7375	35.585297
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	7:20:51 PM	21.38	43.62	5.3025	3.746875	35.685792
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:21:51 PM	22.35	39.7	5.2625	3.7625	36.509851
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:22:51 PM	22.35	38.71	5.2725	3.767188	36.630446
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:23:51 PM	22.45	37.5	5.275	3.76875	36.077723
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:24:51 PM	22.35	37.61	5.355	3.748438	35.957129
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:25:51 PM	22.45	36.41	5.3225	3.753125	35.796337
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:26:51 PM	22.05	36.92	5.265	3.7875	35.334059
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:27:51 PM	22.05	38.51	5.295	3.748438	35.183317
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:28:51 PM	21.55	40.4	5.23	3.776562	35.243614
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:29:51 PM	22.05	36.31	5.31	3.773438	34.962228
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:30:51 PM	22.15	36.21	5.2325	3.770312	34.530099
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:31:51 PM	22.15	35.59	5.2725	3.770312	34.620545
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:32:51 PM	22.15	36.81	5.31	3.770312	34.530099
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:33:51 PM	22.05	37.4	5.28	3.776562	34.560248
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:34:51 PM	22.05	36.21	5.35	3.748438	34.560248
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:35:51 PM	22.05	35.89	5.265	3.78125	34.128119
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:36:51 PM	22.15	36.52	5.305	3.760937	34.439653
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:37:51 PM	22.05	39.1	5.34	3.751562	34.409505
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:38:51 PM	22.65	35.79	5.2425	3.782813	34.379356
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:39:51 PM	22.25	38.3	5.3	3.764063	34.349208
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:40:51 PM	22.15	36.81	5.2625	3.771875	34.128119
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:41:51 PM	22.15	35.7	5.26	3.770312	34.228614
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:42:51 PM	21.85	37.31	5.3625	3.720312	34.158267
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:43:51 PM	21.95	35.89	5.23	3.7875	34.288911
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:44:51 PM	21.55	38.41	5.3225	3.745312	34.469802
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:45:51 PM	21.75	38.3	5.2375	3.776562	34.690891
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:46:51 PM	21.65	38.2	5.2925	3.764063	34.560248
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:47:51 PM	21.75	16.13	5.0125	3.767188	34.660743
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:48:51 PM	0.74	0.05	5.015	3.757812	34.690891
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:49:51 PM	0.44	0.05	5.0175	3.754688	34.49995
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:50:51 PM	0.34	0.05	5.0175	3.75	34.49995
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:51:51 PM	0.34	0.05	5.02	3.759375	34.258762
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:52:51 PM	0.24	0.05	5.02	3.742188	34.09797
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:53:51 PM	0.24	0.05	5.02	3.740625	33.856782
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:54:51 PM	0.24	0.05	5.025	3.734375	33.605545
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:55:51 PM	0.24	0.05	5.025	3.728125	33.394505
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:56:51 PM	0.24	0.05	5.03	3.726562	33.29401
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:57:51 PM	0.24	-0.05	5.0325	3.721875	32.992525
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:58:51 PM	0.24	0.05	5.0425	3.71875	32.801584
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	7:59:51 PM	0.24	0.05	5.0475	3.71875	32.650842
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:00:51 PM	0.26	-0.24	5.0575	3.720312	32.540297
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:01:51 PM	0.24	0.05	5.0675	3.720312	32.158416
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:02:51 PM	0.3	0.08	5.0825	3.710938	32.047871
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:03:51 PM	0.24	0.05	5.0875	3.698437	31.846881
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:04:51 PM	0.24	-0.05	5.1	3.698437	31.686089
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:05:51 PM	0.24	-0.05	5.1125	3.7	31.47505
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:06:51 PM	0.24	-0.05	5.1225	3.690625	31.384604
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:07:51 PM	0.24	0.05	5.1325	3.6875	31.103218
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:08:51 PM	0.24	-0.05	5.14	3.675	30.952475
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:09:51 PM	0.24	0.05	5.1525	3.670313	30.761535
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:10:51 PM	0.24	-0.05	5.1625	3.670313	30.550495
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:11:51 PM	0.24	0.05	5.175	3.667187	30.389703
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:12:51 PM	0.24	-0.05	5.1875	3.665625	30.178663
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:13:51 PM	0.24	-0.05	5.2125	3.642187	30.088218
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:14:51 PM	0.24	-0.05	5.2425	3.6375	29.897277
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:15:51 PM	0.24	-0.05	5.305	3.626562	29.83698
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:16:51 PM	0.24	-0.05	5.395	3.615625	29.595792
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:17:51 PM	0.24	-0.05	5.54	3.609375	29.465149
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:18:51 PM	0.24	-0.05	5.74	3.604687	29.22396
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:19:51 PM	0.24	0.05	6.015	3.592188	29.002871
155910	Chevron Pascagoula	F-2745 Sulfur II	Run 3	11/27/2007	8:20:51 PM	0.24	0.05	6.38	3.578125	29.002871
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:21:51 PM	5.55	2.34	8.205	3.69375	1.386832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:22:51 PM	11.35	6.12	5.4925	3.659375	1.356683
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:23:51 PM	12.95	44.56	10.425	5.79375	1.447129
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:24:51 PM	1.55	2.84	12.08	6.84375	1.386832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:25:51 PM	0.44	-0.05	12.1725	6.903125	1.356683
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:26:51 PM	0.34	-0.15	10.735	6.303125	41.142673
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:27:51 PM	40.26	39.31	0.3375	0.1875	16.802772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:28:51 PM	45.56	44.56	0.055	-0.021875	1.517475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:29:51 PM	45.76	44.87	0.0375	-0.039062	1.487327

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Datalog Records F-2745

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:30:51 PM	45.76	6.72	0.08	0.015625	1.386832
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:31:51 PM	24.35	0.24	0.08	0.048438	1.41698
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:32:51 PM	0.94	0.05	0.08	0.076562	1.326535
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:33:51 PM	0.64	0.05	0.085	0.160938	1.487327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:34:51 PM	0.54	-0.05	0.1	0.38125	1.487327
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:35:51 PM	0.44	0.05	0.1375	0.604687	1.577772
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:36:51 PM	0.44	-0.05	0.22	0.74375	1.477277
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:37:51 PM	0.44	-0.05	0.3225	0.80625	1.447129
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:38:51 PM	0.34	0.05	0.4375	0.796875	1.517475
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:39:51 PM	0.34	-0.05	0.5475	0.760938	1.577772

Datalog Records F-2765

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2745 Sulfur II		11/27/2007	8:40:37 PM	0.34	-0.05	0.62	0.710938	1.638069
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:35:37 AM	0.74	0.54	0.1	-0.075	2.44203
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:36:37 AM	0.04	-0.16	0.04	-0.084375	1.547624
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:37:37 AM	0.04	-0.16	0.035	-0.0875	1.577772
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:38:37 AM	0.04	-0.16	0.0275	-0.084375	1.487327
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:39:37 AM	0.04	-0.16	0.0325	-0.082812	1.517475
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:40:37 AM	0.04	-0.16	0.02	-0.090625	1.607921
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:41:37 AM	0.04	-0.08	0.015	-0.090625	1.487327
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:42:37 AM	0.04	-0.16	0.015	-0.089063	1.517475
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	0.04	-0.16	0.015	-0.08125	1.577772
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	0.04	-0.16	0.015	-0.079688	-0.080396
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	0.04	-0.16	0.0075	-0.09375	-0.140693
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	81.58	75.31	4.4575	21.525	19.335248
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	84.38	84.56	4.4475	21.60625	93.400099
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	84.78	84.78	4.45	20.898438	96.776733
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	84.48	84.67	4.445	20.901562	97.972624
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	84.48	84.77	11.845	6.564062	45.132327
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	45.26	44.16	11.9825	7.020312	47.222624
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	45.16	44.26	11.9875	7.004687	47.282921
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	37.06	26.32	20.9325	4.425	26.902525
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	24.85	24.33	20.9425	4.43125	26.18901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	24.85	24.33	20.9375	4.435937	26.37995
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	24.85	24.23	20.9375	4.435937	26.349802
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	24.85	24.43	20.9425	4.425	26.319653
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	24.85	24.33	20.9475	4.423438	26.319653
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	8:43:27 AM	24.85	24.23	20.945	4.428125	26.500545
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:00:37 AM	24.75	24.14	20.0175	4.41875	26.410099
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:01:37 AM	2.24	0.24	20.0225	4.39375	26.410099
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:02:37 AM	0.54	-0.06	20.0175	4.396875	26.37995
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:03:37 AM	0.34	-0.06	20.0125	4.429688	26.289505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:04:37 AM	0.34	-0.06	20.005	4.520313	26.259356
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:05:37 AM	0.24	-0.06	19.9875	4.609375	26.259356
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:06:37 AM	0.24	-0.06	19.95	4.654687	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:07:37 AM	0.24	-0.05	19.8875	4.664062	26.259356
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:08:37 AM	0.24	-0.06	19.8025	4.648438	26.289505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:09:37 AM	0.24	-0.06	19.7125	4.620313	26.18901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:10:37 AM	0.24	-0.06	19.6225	4.585938	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:11:37 AM	0.24	-0.06	19.5325	4.553125	26.289505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:12:37 AM	0.14	-0.06	19.4575	4.526562	26.319653
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:13:37 AM	0.15	-0.06	19.39	4.50625	26.259356
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:14:37 AM	0.14	-0.16	19.3325	4.489063	26.289505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:15:37 AM	0.14	-0.16	19.2875	4.459375	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:16:37 AM	0.14	-0.05	19.255	4.4375	26.259356
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:17:37 AM	0.14	-0.05	19.2325	4.420312	26.259356
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:18:37 AM	0.14	-0.05	19.2125	4.410938	26.108614
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:19:37 AM	0.14	-0.05	19.2025	4.403125	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:20:37 AM	0.14	-0.05	19.2	4.384375	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:21:37 AM	0.15	-0.05	19.2025	4.379688	26.219158
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:22:37 AM	0.14	-0.05	19.21	4.370312	26.37995
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:23:37 AM	0.14	-0.16	19.22	4.3625	26.289505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:24:37 AM	0.15	-0.05	19.235	4.351562	26.17896
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:25:37 AM	0.14	-0.05	19.2475	4.339062	26.319653
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:26:37 AM	0.14	-0.05	19.265	4.332813	26.289505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:27:37 AM	0.14	-0.05	19.285	4.33125	26.18901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:28:37 AM	0.14	-0.05	19.305	4.31875	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:29:37 AM	0.15	-0.05	19.325	4.315625	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:30:37 AM	0.14	-0.05	19.35	4.303125	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:31:37 AM	0.14	-0.05	19.365	4.3	26.219158
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:32:37 AM	0.14	-0.05	19.39	4.3	26.18901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:33:37 AM	0.14	-0.16	19.4125	4.292187	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:34:37 AM	0.14	-0.05	19.4325	4.279687	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:35:37 AM	0.14	-0.16	19.455	4.275	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:36:37 AM	0.14	-0.16	19.475	4.267188	26.18901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:37:37 AM	0.14	-0.05	19.495	4.260937	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:38:37 AM	0.14	-0.05	19.515	4.25625	26.319653
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:39:37 AM	0.15	-0.05	19.5325	4.253125	26.18901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:40:37 AM	0.24	-0.05	19.55	4.245312	26.138762
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:41:37 AM	0.25	-0.05	19.57	4.246875	26.138762
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:42:37 AM	0.24	-0.05	19.585	4.234375	26.199059
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:43:37 AM	0.24	-0.05	19.605	4.232812	26.128713
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:44:37 AM	0.24	-0.05	19.6175	4.240625	26.158861
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:45:37 AM	0.24	-0.05	19.6325	4.23125	26.199059
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:46:37 AM	0.14	-0.05	19.6375	4.23125	26.259356
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:47:37 AM	0.15	-0.05	19.6575	4.223438	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:48:37 AM	0.14	-0.05	19.67	4.221875	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:49:37 AM	0.14	-0.05	19.685	4.2125	26.128713

Datalog Records F-2765

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:50:37 AM	0.15	-0.05	19.6975	4.215625	26.138762
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:51:37 AM	0.14	-0.05	19.705	4.210938	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:52:37 AM	0.15	-0.05	19.715	4.20625	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:53:37 AM	0.14	-0.05	19.7175	4.19375	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:54:37 AM	0.15	-0.05	19.7275	4.1875	26.138762
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:55:37 AM	0.14	-0.05	19.735	4.184375	26.158861
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:56:37 AM	0.15	-0.05	19.74	4.184375	26.128713
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:57:37 AM	0.14	-0.05	19.7475	4.182812	26.18901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:58:37 AM	0.14	-0.05	19.75	4.176562	26.128713
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	9:59:37 AM	0.14	-0.05	19.7575	4.175	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:00:37 AM	0.14	-0.05	19.7625	4.167187	26.168911
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:01:37 AM	0.14	-0.05	19.7625	4.153125	26.128713
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:02:37 AM	0.15	-0.05	19.7675	4.15625	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:03:37 AM	0.15	-0.05	19.77	4.154688	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:04:37 AM	0.14	-0.05	19.7725	4.154688	26.128713
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:05:37 AM	0.15	-0.05	19.775	4.153125	26.048317
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:06:37 AM	0.14	0.05	19.7775	4.15	26.048317
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:07:37 AM	0.14	0.05	19.78	4.145312	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:08:37 AM	0.14	0.05	19.78	4.1375	26.128713
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:09:37 AM	0.14	-0.05	19.78	4.129687	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:10:37 AM	0.14	0.05	19.78	4.126563	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:11:37 AM	0.15	0.05	19.785	4.121875	25.97797
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:12:37 AM	0.14	-0.05	19.78	4.129687	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:13:37 AM	0.15	0.05	19.78	4.123438	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:14:37 AM	0.14	-0.05	19.78	4.123438	26.229208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:15:37 AM	0.14	-0.05	19.78	4.120312	25.97797
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:16:37 AM	0.15	0.05	19.78	4.110938	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:17:37 AM	0.15	0.05	19.7775	4.10625	25.937772
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:18:37 AM	0.14	-0.05	19.7775	4.103125	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:19:37 AM	0.14	-0.05	19.7725	4.1	26.008119
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:20:37 AM	0.14	-0.05	19.7725	4.092188	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:21:37 AM	0.15	-0.05	19.7725	4.089062	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:22:37 AM	0.14	-0.05	19.7725	4.090625	26.018168
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:23:37 AM	0.14	0.05	19.7675	4.085938	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:24:37 AM	0.14	-0.05	19.765	4.073437	26.038267
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:25:37 AM	0.14	-0.05	19.765	4.079688	26.158861
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:26:37 AM	0.14	-0.05	19.76	4.071875	26.008119
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:27:37 AM	0.14	-0.05	19.7625	4.070312	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:28:37 AM	0.14	-0.05	19.7575	4.064063	26.098564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:29:37 AM	0.15	0.05	19.76	4.065625	25.947822
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:30:37 AM	0.14	-0.05	19.7575	4.053125	26.038267
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:31:37 AM	0.14	-0.05	19.755	4.051562	26.008119
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:32:37 AM	0.14	-0.05	19.7525	4.05	26.008119
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:33:37 AM	0.14	0.05	19.7525	4.053125	25.947822
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:34:37 AM	0.14	0.05	19.7525	4.051562	25.97797
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:35:37 AM	0.14	-0.05	19.7475	4.05	26.008119
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:36:37 AM	0.14	0.05	19.7425	4.042187	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:37:37 AM	0.14	-0.05	19.7475	4.0375	25.947822
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:38:37 AM	0.14	0.05	19.7475	4.04375	25.917673
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:39:37 AM	0.15	0.05	19.745	4.035937	26.048317
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:40:37 AM	0.14	-0.05	19.74	4.032813	25.97797
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:41:37 AM	0.14	-0.05	19.74	4.020312	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:42:37 AM	0.14	-0.05	19.7375	4.017188	26.008119
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:43:37 AM	0.14	-0.05	19.735	4.023438	25.857376
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:44:37 AM	0.14	-0.05	19.735	4.020312	25.947822
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:45:37 AM	0.14	-0.05	19.7325	4.015625	26.008119
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:46:37 AM	0.14	-0.05	19.7325	4.00625	25.917673
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:47:37 AM	0.15	-0.05	19.7325	4.010937	25.817178
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:48:37 AM	0.14	-0.05	19.7275	4.010937	26.068416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:49:37 AM	0.74	0.05	19.7275	4.004687	25.947822
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:50:37 AM	25.35	5.81	16.765	4.035937	24.309752
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:51:37 AM	7.45	24.33	5.82	1.321875	29.374703
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:52:37 AM	23.55	72.18	5.2475	3.682812	26.842228
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:53:37 AM	24.65	68.4	5.31	3.740625	27.736634
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:54:37 AM	24.15	66.82	5.37	3.723438	31.726287
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:55:37 AM	24.25	63.43	5.3275	3.760937	34.409505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:56:37 AM	23.65	64.43	5.3725	3.739063	35.987277
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:57:37 AM	23.55	60.92	5.375	3.7375	37.092723
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:58:37 AM	23.45	60.32	5.31	3.754688	37.34396
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	10:59:37 AM	23.25	61.41	5.3225	3.742188	37.34396
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:00:37 AM	23.15	59.81	5.2925	3.742188	36.791238
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:01:37 AM	22.86	63.43	5.3325	3.732813	36.509851
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:02:37 AM	22.85	63.24	5.34	3.740625	36.419406
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:03:37 AM	22.85	63.33	5.3475	3.753125	35.92698
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:04:37 AM	22.66	62.53	5.3625	3.748438	35.555149
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:05:37 AM	22.76	59.62	5.3275	3.75625	35.695842

Datalog Records F-2765

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:06:37 AM	22.66	59.62	5.31	3.7625	35.153168
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:07:37 AM	22.66	58.72	5.3225	3.745312	34.560248
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:08:37 AM	22.45	59.42	5.3125	3.757812	34.751188
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:09:37 AM	22.56	58.33	5.3325	3.757812	35.213465
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:10:37 AM	22.45	58.92	5.3375	3.757812	35.675743
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:11:37 AM	22.56	60.32	5.3425	3.75625	36.228465
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:12:37 AM	22.95	59.23	5.3025	3.778125	36.318911
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:13:37 AM	23.35	58.33	5.32	3.754688	36.560099
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:14:37 AM	23.35	59.52	5.3	3.759375	36.972129
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:15:37 AM	23.55	59.93	5.3075	3.753125	36.911832
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:16:37 AM	23.06	58.52	5.44	3.720312	38.208218
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:17:37 AM	22.95	57.43	5.48	3.717188	39.806089
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:18:37 AM	22.65	57.03	5.615	3.673437	42.439059
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:19:37 AM	21.65	55.14	6.06	3.571875	43.182723
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:20:37 AM	21.45	54.86	5.8575	3.620312	43.273168
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:21:37 AM	20.55	52.77	6.2725	3.507812	43.03198
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:22:37 AM	21.15	53.76	5.9625	3.584375	44.147475
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:23:37 AM	20.65	55.06	6.045	3.5625	46.08703
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:24:37 AM	21.15	54.95	5.69	3.657812	46.860842
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:25:37 AM	21.35	56.44	5.83	3.628125	45.956386
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:26:37 AM	21.45	57.93	5.65	3.690625	44.268069
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:27:37 AM	21.76	57.03	5.5975	3.695312	43.24302
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:28:37 AM	21.85	56.93	5.4875	3.728125	42.258168
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:29:37 AM	21.75	56.53	5.705	3.6625	41.695396
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:30:37 AM	21.65	56.93	5.6525	3.684375	41.142673
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:31:37 AM	21.06	55.33	5.9875	3.607813	40.509554
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:32:37 AM	21.75	56.84	5.585	3.7	41.052228
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:33:37 AM	22.05	56.53	5.455	3.720312	41.142673
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:34:38 AM	22.06	56.53	5.41	3.726562	41.263267
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:35:38 AM	22.15	57.83	5.4825	3.7125	40.770842
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:36:38 AM	22.56	57.73	5.525	3.7125	40.891436
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:37:38 AM	22.76	56.44	5.4325	3.7375	40.519604
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:38:38 AM	22.95	57.33	5.495	3.73125	40.308564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:39:38 AM	22.85	56.24	5.54	3.728125	40.087475
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:40:38 AM	23.06	55.73	5.4775	3.739063	40.157822
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:41:38 AM	22.95	56.44	5.705	3.6875	39.946782
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:42:38 AM	22.71	52.53	5.755	3.664062	39.474455
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:43:38 AM	22.56	54.16	5.6925	3.660938	39.99703
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:44:38 AM	22.76	55.73	5.47	3.725	40.308564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:45:38 AM	22.25	57.54	5.4675	3.71875	40.770842
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:46:38 AM	22.15	56.34	5.395	3.73125	41.052228
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:47:38 AM	22.15	56.63	5.4175	3.729687	40.740693
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:48:38 AM	21.85	58.44	5.4875	3.71875	40.39901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:49:38 AM	21.95	56.34	5.3525	3.773438	40.650248
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:50:38 AM	21.86	54.76	5.325	3.771875	40.760792
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:51:38 AM	21.76	57.24	5.3	3.785937	40.469356
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:52:38 AM	21.75	56.34	5.525	3.729687	40.348762
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:53:38 AM	21.75	56.24	5.37	3.773438	40.157822
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:54:38 AM	21.96	54.96	5.335	3.795313	40.18797
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:55:38 AM	21.85	56.74	5.37	3.784375	40.18797
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:56:38 AM	21.85	56.74	5.4425	3.778125	39.99703
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:57:38 AM	21.55	53.36	5.905	3.646875	39.444307
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:58:38 AM	21.16	54.07	5.815	3.678125	39.102624
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	11:59:38 AM	21.95	53.97	5.57	3.7375	39.38401
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:00:38 PM	22.25	55.25	5.47	3.7625	39.755842
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:01:38 PM	22.15	54.26	5.84	3.664062	39.755842
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:02:38 PM	22.35	53.46	5.7325	3.690625	39.504604
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:03:38 PM	22.35	54.95	5.7575	3.682812	39.504604
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:04:38 PM	22.25	53.86	5.6675	3.707813	39.474455
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:05:38 PM	22.75	54.96	5.5875	3.723438	39.504604
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:06:38 PM	22.75	53.87	5.4875	3.753125	39.655347
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:07:38 PM	22.95	54.26	5.46	3.765625	39.966881
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:08:38 PM	22.95	54.16	5.4525	3.745312	40.057327
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:09:38 PM	22.75	53.68	5.5075	3.7375	40.18797
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:10:38 PM	23.15	53.57	5.575	3.734375	40.027178
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:11:38 PM	22.85	54.26	5.5525	3.726562	40.047277
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:12:38 PM	22.45	54.37	5.565	3.726562	40.027178
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:13:38 PM	22.05	53.57	5.5975	3.709375	40.509554
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:14:38 PM	21.76	52.56	5.66	3.704687	40.338713
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:15:38 PM	21.45	53.07	5.665	3.704687	40.429158
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:16:38 PM	20.45	55.84	5.6975	3.6875	40.680396
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:17:38 PM	20.45	52.97	5.73	3.690625	40.248267
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:18:38 PM	20.75	53.87	6.1525	3.582813	40.308564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:19:38 PM	19.65	50.38	6.7975	3.395312	39.132772
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:20:38 PM	20.05	51.48	5.73	3.701563	38.871485
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:21:38 PM	20.35	52.37	6.3975	3.507812	39.404109

Testing by TRC, Austin, Texas

Datalog Records F-2765

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:22:38 PM	20.25	51.68	6.0375	3.615625	39.022228
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:23:38 PM	20.25	52.66	5.7575	3.653125	39.012178
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:24:38 PM	20.95	53.97	5.8275	3.623438	39.534752
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:25:38 PM	21.35	54.76	5.58	3.692188	39.38401
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:26:38 PM	21.45	51.57	6.145	3.5625	39.193069
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:27:38 PM	22.15	54.37	5.54	3.710938	39.655347
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:28:38 PM	22.25	52.66	5.8125	3.640625	40.429158
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:29:38 PM	21.95	50.17	6.13	3.545312	40.117624
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:30:38 PM	21.35	49.48	6.345	3.482812	39.655347
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:31:38 PM	21.45	49.28	6.25	3.51875	39.042327
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:32:38 PM	22.15	50.58	5.9225	3.585938	39.042327
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:33:38 PM	22.05	52.08	5.7525	3.615625	38.610198
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:34:38 PM	22.35	50.38	6.045	3.578125	38.35896
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:35:38 PM	22.05	50.78	5.86	3.6	38.298663
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:36:38 PM	22.15	49.98	6.0525	3.564062	38.459455
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:37:38 PM	22.55	51.18	5.595	3.689062	38.640347
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:38:38 PM	22.65	52.27	5.555	3.695312	39.012178
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:39:38 PM	23.05	53.77	5.4925	3.685938	39.59505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:40:38 PM	22.95	50.78	5.845	3.610937	39.504604
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:41:38 PM	23.15	52.17	5.6175	3.673437	40.057327
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:42:38 PM	22.85	50.78	5.93	3.590625	39.655347
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:43:38 PM	23.15	53.68	5.4625	3.7125	39.966881
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:44:38 PM	23.05	52.78	5.6675	3.684375	40.519604
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:45:38 PM	22.15	50.88	5.885	3.623438	40.248267
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:46:38 PM	21.55	49.88	6.425	3.464063	39.755842
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:47:38 PM	21.05	51.77	5.7875	3.61875	39.414158
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:48:38 PM	21.83	51.19	5.4775	3.717188	39.725693
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:49:38 PM	21.55	51.48	5.5775	3.698437	39.755842
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:50:38 PM	21.25	52.88	5.7125	3.65625	40.218119
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:51:38 PM	21.15	50.08	5.5075	3.726562	40.097525
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:52:38 PM	20.75	49.98	6.005	3.6	39.99703
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:53:38 PM	20.45	50.38	5.715	3.65625	39.78599
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:54:38 PM	21.15	50.97	5.515	3.710938	39.936733
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:55:38 PM	20.75	52.27	5.53	3.7	40.157822
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:56:38 PM	21.45	51.37	5.4675	3.71875	40.027178
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:57:38 PM	21.86	50.68	5.43	3.75	39.38401
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:58:38 PM	21.65	51.58	5.8725	3.634375	39.655347
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	12:59:38 PM	22.15	51.77	5.9775	3.592188	39.564901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	1:00:38 PM	22.45	51.18	5.92	3.621875	39.444307
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	1:01:38 PM	22.35	52.17	5.9475	3.609375	39.414158
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:01:57 PM	22.35	52.17	5.945	3.615625	39.534752
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:02:57 PM	22.55	53.07	5.945	3.614063	39.715644
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:03:57 PM	22.55	53.76	5.9575	3.607813	39.755842
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:04:57 PM	22.56	53.07	5.96	3.6125	39.414158
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:05:57 PM	22.65	53.36	5.955	3.609375	39.59505
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:06:57 PM	23.05	52.77	5.9325	3.61875	39.906584
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:07:57 PM	22.95	52.27	5.9925	3.6125	40.097525
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:08:57 PM	22.95	49.69	6.02	3.609375	40.027178
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:09:57 PM	23.05	52.67	5.94	3.635937	39.976931
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:10:57 PM	23.25	51.29	5.9175	3.63125	39.162921
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:11:57 PM	23.05	50.68	5.99	3.607813	39.253366
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:12:57 PM	23.25	49.98	5.96	3.626562	39.474455
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:13:57 PM	23.05	51.38	5.93	3.628125	39.564901
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:14:57 PM	23.15	50.17	5.9625	3.623438	39.444307
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:15:57 PM	23.25	51.77	5.93	3.625	39.484505
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:16:57 PM	23.25	50.28	5.9725	3.620312	39.042327
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:17:57 PM	23.25	50.78	5.935	3.6375	38.98203
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:18:57 PM	23.35	50.49	5.9975	3.610937	38.921733
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:19:57 PM	23.35	50.09	6	3.615625	39.012178
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:20:57 PM	23.05	49.18	5.9525	3.635937	39.002129
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:21:57 PM	23.05	50.39	6.0025	3.623438	39.233267
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:22:57 PM	23.25	50.09	5.9575	3.623438	39.233267
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:23:57 PM	23.25	49.88	5.91	3.642187	39.353861
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:24:57 PM	23.25	49.69	5.9625	3.617188	39.263416
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:25:57 PM	23.25	49.59	5.945	3.628125	39.042327
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:26:57 PM	23.25	50.28	5.96	3.63125	39.193069
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:27:57 PM	23.25	50.28	5.935	3.632812	39.072475
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:28:57 PM	23.25	49.19	5.9425	3.640625	38.921733
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:29:57 PM	23.15	49.48	5.9275	3.651562	38.951881
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:30:57 PM	23.05	49.59	5.9025	3.65625	39.293564
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:31:57 PM	23.05	48.16	6.04	3.609375	38.951881
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:32:57 PM	22.85	48.26	5.9625	3.629688	38.921733
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:33:57 PM	20.55	50.09	5.935	3.628125	39.293564
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:34:57 PM	20.75	49.69	5.9125	3.65	39.38401
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:35:57 PM	20.65	53.68	5.99	3.617188	39.474455
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:36:57 PM	20.65	53.77	6.0075	3.609375	39.012178

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Datalog Records F-2765

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:37:57 PM	20.35	53.47	5.985	3.615625	39.102624
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:38:57 PM	20.25	53.27	5.945	3.628125	39.404109
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:39:57 PM	20.15	51.48	6.035	3.603125	39.57495
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:40:57 PM	20.15	52.27	5.98	3.626562	39.353861
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:41:57 PM	20.05	55.06	6.0175	3.601562	39.474455
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:42:57 PM	20.05	53.68	5.945	3.65	39.564901
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:43:57 PM	19.95	54.47	5.975	3.634375	38.97198
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:44:57 PM	19.85	54.67	6.05	3.598438	39.042327
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:45:57 PM	20.55	51.37	6.015	3.620312	38.921733
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:46:57 PM	20.85	53.46	6.07	3.596875	38.921733
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:47:57 PM	21.25	52.56	6.06	3.6125	39.233267
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:48:57 PM	21.45	54.07	5.9925	3.61875	39.042327
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:49:57 PM	21.75	55.06	5.9475	3.639063	38.851386
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:50:57 PM	21.95	53.87	5.9375	3.651562	39.012178
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:51:57 PM	22.25	53.87	5.9925	3.617188	39.072475
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:52:57 PM	22.05	54.56	5.955	3.632812	39.072475
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:53:57 PM	22.05	54.56	6.0125	3.617188	39.072475
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:54:57 PM	22.15	55.54	5.9975	3.6125	39.082525
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:55:57 PM	22.25	53.17	5.9875	3.63125	39.414158
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:56:57 PM	22.15	53.36	5.9475	3.645313	39.102624
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:57:57 PM	22.35	54.07	5.955	3.635937	39.042327
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:58:57 PM	22.35	53.97	5.9275	3.635937	39.102624
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	1:59:57 PM	22.35	53.36	5.94	3.642187	38.760941
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 1	11/28/2007	2:00:57 PM	21.95	53.97	6.0775	3.604687	38.921733
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:01:57 PM	22.05	53.87	6.1275	3.5875	39.534752
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:02:57 PM	4.45	10.74	11.72	6.678125	26.982921
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:03:57 PM	0.74	-0.15	11.9325	6.907812	17.174604
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:04:57 PM	0.54	-0.34	11.985	6.923437	12.421188
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:05:57 PM	16.45	16.82	3.115	1.654687	2.813861
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:06:57 PM	43.56	42.88	0.21	0.067187	22.581238
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:07:57 PM	44.26	44.57	0.05	-0.057813	46.790495
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:08:57 PM	39.46	46.87	3.925	2.240625	11.868465
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:09:57 PM	21.65	51.77	6.3725	3.45	23.194257
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:10:57 PM	20.85	54.87	6.2575	3.53125	29.565644
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:11:57 PM	20.15	51.98	6.02	3.560937	33.977376
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:12:57 PM	20.85	51.58	6.345	3.467187	33.203564
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:13:57 PM	19.85	51.07	6.1575	3.590625	34.660743
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:14:57 PM	20.15	54.47	6.0125	3.628125	35.675743
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:15:57 PM	20.05	53.76	6.0825	3.6	36.077723
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:16:57 PM	20.05	53.07	6.4125	3.515625	36.047574
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:17:57 PM	20.05	53.36	6.01	3.629688	36.107871
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:18:57 PM	20.15	53.97	6.0125	3.620312	36.359109
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:19:57 PM	20.75	53.87	6.09	3.6	36.851535
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:20:57 PM	20.95	52.88	6.0825	3.603125	36.730941
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:21:57 PM	21.25	51.98	6.0325	3.615625	35.957129
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:22:57 PM	21.75	52.97	5.9925	3.628125	35.987277
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:23:57 PM	21.75	54.26	6.0625	3.601562	36.047574
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:24:57 PM	21.96	53.46	6.0425	3.596875	36.077723
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:25:57 PM	21.85	52.56	5.995	3.63125	35.886782
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:26:57 PM	21.65	53.17	6.025	3.623438	36.389257
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:27:57 PM	22.05	53.36	5.9875	3.621875	36.107871
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:28:57 PM	21.35	52.27	6.21	3.567188	36.318911
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:29:57 PM	22.25	53.47	5.9725	3.639063	36.13802
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:30:57 PM	22.15	53.97	6.0075	3.621875	36.107871
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:31:57 PM	22.25	53.76	5.99	3.632812	36.479703
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:32:57 PM	22.25	54.07	5.9275	3.64375	36.359109
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:33:57 PM	21.85	55.65	5.9725	3.628125	35.766188
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:34:57 PM	22.15	53.68	5.985	3.626562	36.077723
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:35:57 PM	22.35	52.97	5.995	3.629688	36.318911
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:36:57 PM	21.95	54.16	5.99	3.615625	36.13802
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:37:57 PM	21.75	51.68	6.26	3.554688	36.047574
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:38:57 PM	22.35	52.88	5.9275	3.635937	36.359109
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:39:57 PM	22.45	54.07	5.9275	3.632812	36.479703
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:40:57 PM	22.15	54.67	5.9525	3.6375	36.449554
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:41:57 PM	22.55	52.67	6.0025	3.626562	36.419406
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:42:57 PM	22.15	53.77	6.1525	3.601562	36.419406
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:43:57 PM	22.35	54.87	6.06	3.615625	36.630446
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:44:57 PM	22.35	52.28	6.455	3.507812	36.600297
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:45:57 PM	22.15	53.97	6.06	3.620312	36.54
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:46:57 PM	22.15	53.58	6.105	3.603125	36.318911
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:47:57 PM	22.15	53.77	6.06	3.623438	36.077723
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:48:57 PM	22.68	52.48	5.99	3.645313	36.288762
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:49:57 PM	22.35	52.17	5.915	3.651562	36.298812
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	2:50:00 PM	22.35	52.17	5.9175	3.65625	36.359109
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:51:00 PM	21.65	50.39	5.9675	3.626562	36.298812
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:52:00 PM	21.35	48.79	5.9575	3.625	36.389257

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Datalog Records F-2765

Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:53:00 PM	21.05	49.09	5.9675	3.63125	36.389257
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:54:00 PM	20.85	49.09	5.9975	3.625	36.298812
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:55:00 PM	20.55	49.19	6.0475	3.6125	36.238515
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:56:00 PM	20.45	49.48	6.0775	3.610937	36.268663
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:57:00 PM	20.35	48.46	6.1225	3.6	35.796337
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:58:00 PM	20.45	48.65	6.0275	3.615625	35.896832
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	2:59:00 PM	20.25	48.98	5.9375	3.65	36.13802
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:00:00 PM	19.95	50.09	6.0375	3.604687	36.359109
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:01:00 PM	20.05	49.18	6.095	3.6	35.866683
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:02:00 PM	20.25	48.16	6.0225	3.617188	35.987277
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:03:00 PM	20.75	49.38	6.01	3.61875	36.017426
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:04:00 PM	21.15	49.98	6.03	3.621875	36.268663
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:05:00 PM	21.25	49.88	5.99	3.635937	35.796337
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:06:00 PM	21.45	48.36	6.1025	3.595312	35.615446
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:07:00 PM	21.35	51.29	6.135	3.58125	36.198317
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:08:00 PM	21.25	47.96	6.32	3.545312	35.73604
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:09:00 PM	21.65	49.98	6.1	3.6	35.73604
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:10:00 PM	21.85	49.98	6.0075	3.635937	35.615446
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:11:00 PM	21.95	49.38	6.01	3.640625	35.856634
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:12:00 PM	21.85	48.36	6.21	3.582813	36.168168
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:13:00 PM	21.95	49.18	6.065	3.61875	36.238515
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:14:00 PM	21.85	49.29	6.08	3.609375	36.047574
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:15:00 PM	21.85	49.09	6.105	3.603125	35.766188
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:16:00 PM	21.95	50.39	6.005	3.617188	36.198317
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:17:00 PM	22.15	50.49	6.0525	3.614063	36.509851
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:18:00 PM	22.15	48.79	6.0425	3.604687	36.449554
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:19:00 PM	21.96	49.48	6.045	3.6	36.389257
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:20:00 PM	21.95	48.26	6.1175	3.582813	36.419406
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:21:00 PM	22.15	49.78	6.01	3.609375	36.238515
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:22:00 PM	22.05	50.58	6.0425	3.601562	36.13802
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:23:00 PM	22.05	50.49	6.0275	3.617188	36.389257
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:24:00 PM	21.95	50.28	6.16	3.584375	36.761089
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:25:00 PM	21.75	47.56	6.2125	3.571875	36.389257
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:26:00 PM	22.25	47.67	6.01	3.63125	36.298812
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:27:00 PM	22.15	49.98	6.13	3.578125	36.268663
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:28:00 PM	22.35	48.65	6.005	3.621875	36.238515
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:29:00 PM	22.15	48.98	6.05	3.615625	36.298812
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:30:00 PM	21.75	49.38	6.1225	3.6	36.389257
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:31:00 PM	21.45	49.29	5.9925	3.639063	36.389257
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:32:00 PM	21.15	48.26	6.105	3.598438	36.449554
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:33:00 PM	20.35	50.89	6.38	3.526563	36.419406
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:34:00 PM	20.35	49.48	6.1625	3.576563	36.208366
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:35:00 PM	20.45	48.65	6.085	3.603125	36.298812
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:36:00 PM	20.15	48.89	6.16	3.5875	36.32896
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:37:00 PM	20.15	49.69	6.0425	3.614063	36.32896
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:38:00 PM	20.15	49.48	6.0575	3.60625	36.419406
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:39:00 PM	20.15	49.08	6.03	3.625	36.268663
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:40:00 PM	20.05	48.98	6.0975	3.614063	36.419406
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:41:00 PM	19.95	49.59	6.0725	3.628125	35.92698
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:42:00 PM	20.05	49.88	6.0375	3.628125	36.198317
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:43:00 PM	20.35	49.18	6.04	3.628125	36.238515
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:44:00 PM	20.65	50.17	6.1325	3.598438	36.54
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:45:00 PM	21.05	49.18	6.1525	3.578125	36.600297
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:46:00 PM	21.15	49.88	6.095	3.6	36.600297
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:47:00 PM	21.25	50.88	6.0475	3.598438	36.419406
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:48:00 PM	21.25	49.88	6.095	3.582813	36.439505
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 2	11/28/2007	3:49:00 PM	21.55	49.38	6.115	3.590625	36.600297
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:50:01 PM	21.55	49.78	6.0325	3.626562	36.389257
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:51:01 PM	21.75	49.78	6.0525	3.596875	35.766188
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:52:01 PM	19.15	47.75	8.92	4.973438	0.834109
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:53:01 PM	2.14	3.44	11.7725	6.80625	0.653218
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:54:01 PM	0.64	-0.34	11.9125	6.90625	0.552723
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:55:01 PM	0.54	-0.44	11.8175	6.91875	24.339901
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:56:01 PM	33.86	31.91	1.2225	0.698437	47.624604
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:57:01 PM	45.06	43.68	0.1175	0.004687	47.815545
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:58:01 PM	45.86	44.57	0.0425	-0.05	47.755248
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	3:59:01 PM	45.96	44.57	0.03	-0.076562	47.845693
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:00:01 PM	45.76	44.67	1.3475	0.628125	8.280792
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:01:01 PM	24.65	49.09	5.695	3.378125	16.772624
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:02:00 PM	21.45	49.88	5.8475	3.60625	24.530842
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:03:00 PM	20.55	49.98	6.2025	3.526563	28.761683
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:04:00 PM	20.45	50.09	6.01	3.575	31.505198
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:05:00 PM	20.25	49.98	5.9225	3.6125	33.48495
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:06:00 PM	20.35	50.39	5.83	3.639063	35.032574
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:07:00 PM	20.25	51.29	5.8225	3.639063	35.92698
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:08:00 PM	20.05	51.29	5.8275	3.639063	36.479703

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Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:09:00 PM	20.05	50.68	5.8275	3.65	36.630446
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:10:00 PM	19.95	50.58	5.84	3.639063	36.570149
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:11:00 PM	19.95	50.97	5.8225	3.651562	36.670644
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:12:00 PM	19.75	51.18	5.87	3.629688	36.449554
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:13:00 PM	19.85	50.97	5.85	3.646875	36.570149
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:14:00 PM	19.75	50.97	5.9025	3.632812	36.630446
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:15:00 PM	19.65	49.88	5.9925	3.615625	36.700792
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:16:00 PM	19.55	50.49	5.96	3.63125	36.509851
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:17:00 PM	19.75	51.07	5.9225	3.642187	36.168168
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:18:00 PM	19.65	50.97	6.1925	3.55625	35.494851
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:19:00 PM	19.95	50.38	5.835	3.65625	35.183317
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:20:00 PM	20.35	49.18	5.99	3.626562	35.364208
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:21:00 PM	20.15	50.27	5.9725	3.61875	35.766188
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:22:00 PM	20.55	50.17	5.9025	3.628125	35.273762
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:23:00 PM	20.45	49.58	6.4775	3.476562	35.12302
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:24:00 PM	20.65	50.08	5.9175	3.626562	35.203416
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:25:00 PM	20.95	51.77	5.935	3.625	34.901931
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:26:00 PM	20.95	51.07	5.8525	3.640625	35.585297
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:27:00 PM	21.25	50.58	5.8625	3.629688	35.645594
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:28:00 PM	21.15	52.17	5.8	3.659375	35.434554
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:29:00 PM	21.35	51.87	5.835	3.632812	35.675743
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:30:00 PM	21.35	51.77	5.8325	3.634375	35.866683
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	4:30:11 PM	21.25	52.08	5.83	3.64375	35.796337
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:31:11 PM	20.85	51.77	5.8425	3.632812	35.73604
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:32:11 PM	20.55	51.87	5.8175	3.65	35.394356
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:33:11 PM	20.35	52.27	5.8125	3.642187	35.615446
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:34:11 PM	20.15	51.68	5.78	3.648438	35.836535
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:35:11 PM	19.95	51.37	5.8375	3.632812	35.806386
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:36:11 PM	19.75	52.67	5.8175	3.645313	35.645594
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:37:11 PM	19.85	52.97	5.8725	3.626562	35.555149
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:38:11 PM	19.45	53.07	5.845	3.628125	35.394356
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:39:11 PM	19.55	51.37	5.7875	3.648438	35.675743
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:40:11 PM	19.45	52.56	5.815	3.635937	35.705891
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:41:11 PM	19.45	52.47	5.815	3.639063	35.615446
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:42:11 PM	19.45	52.47	5.9225	3.61875	35.394356
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:43:11 PM	19.45	51.58	5.86	3.634375	35.585297
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:44:11 PM	19.35	51.07	5.81	3.646875	35.866683
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:45:11 PM	19.35	50.49	5.81	3.645313	35.957129
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:46:11 PM	19.15	51.47	5.845	3.621875	35.92698
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:47:11 PM	19.25	51.57	5.92	3.607813	35.675743
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:48:11 PM	19.75	50.48	5.82	3.6375	35.615446
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:49:11 PM	20.05	51.37	5.8375	3.6375	35.705891
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:50:11 PM	20.15	51.87	5.9475	3.617188	35.705891
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:51:11 PM	20.75	51.07	5.8975	3.625	35.183317
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:52:11 PM	20.55	52.47	5.815	3.635937	35.183317
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:53:11 PM	20.65	52.17	5.83	3.615625	35.364208
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:54:11 PM	20.85	52.56	5.8625	3.621875	35.183317
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:55:11 PM	21.05	51.87	5.795	3.6375	35.303911
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:56:11 PM	21.05	51.68	5.8575	3.620312	35.243614
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:57:11 PM	21.15	52.27	5.8275	3.629688	35.273762
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:58:11 PM	21.17	52.15	5.8525	3.615625	35.525
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	4:59:11 PM	21.25	51.87	5.7775	3.645313	35.615446
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:00:11 PM	21.15	52.67	5.805	3.629688	35.73604
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:01:11 PM	21.35	52.17	5.8075	3.626562	35.796337
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:02:11 PM	21.35	52.67	5.835	3.623438	35.866683
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:03:11 PM	21.35	52.97	5.8425	3.61875	35.585297
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:04:11 PM	21.15	51.18	5.8225	3.63125	35.494851
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:05:11 PM	20.75	51.08	5.8525	3.629688	35.796337
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:06:11 PM	20.55	51.18	5.825	3.6375	35.866683
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:07:11 PM	20.25	51.87	5.83	3.610937	35.494851
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:08:11 PM	20.05	52.56	5.8175	3.615625	35.394356
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:09:11 PM	19.85	52.08	5.84	3.620312	35.675743
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:10:11 PM	19.85	51.87	5.8625	3.615625	35.957129
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:11:11 PM	19.75	52.17	5.8325	3.625	35.555149
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:12:11 PM	19.85	50.68	5.8475	3.614063	35.645594
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:13:11 PM	19.65	51.77	5.815	3.621875	35.585297
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:14:11 PM	19.75	51.87	5.85	3.617188	35.615446
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:15:11 PM	19.45	51.48	5.825	3.625	35.675743
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:16:11 PM	19.45	51.58	5.83	3.626562	35.434554
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:17:11 PM	19.45	51.48	5.805	3.640625	35.525
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:18:11 PM	19.45	51.07	5.8275	3.623438	35.836535
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:19:11 PM	19.55	52.67	5.8675	3.628125	35.987277
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:20:11 PM	19.45	52.67	5.845	3.625	35.796337
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:21:11 PM	19.45	51.48	5.805	3.634375	35.364208
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:22:11 PM	19.45	51.48	5.8325	3.6375	34.901931
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:23:11 PM	19.45	50.68	5.8025	3.639063	35.213465

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Project Number	Client	Source	Run Number	Date	Time	NOx (ppm)	CO (ppm)	O2 (%)	CO2(%)	SO2 (ppm)
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:24:11 PM	19.35	51.87	5.94	3.592188	35.364208
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:25:11 PM	19.85	51.07	5.8475	3.620312	35.464703
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:26:11 PM	20.25	51.37	5.8875	3.6	35.273762
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:27:11 PM	20.55	52.08	5.86	3.607813	35.364208
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:28:11 PM	20.85	52.17	5.8025	3.63125	35.394356
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:29:11 PM	20.95	52.77	5.95	3.584375	35.002426
155910	Chevron Pascagoula	F-2765 Sulfur III	Run 3	11/28/2007	5:30:11 PM	21.15	51.77	5.885	3.617188	35.334059
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	5:31:11 PM	17.05	32.11	10.3075	5.864063	1.668218
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	5:32:11 PM	1.74	1.54	11.835	6.834375	1.386832
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	5:33:11 PM	0.64	-0.44	11.855	6.892187	1.42703
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	5:34:11 PM	4.04	9.92	3.9	2.046875	48.127079
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	5:35:11 PM	42.46	41.3	0.3425	0.157812	48.498911
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	5:36:11 PM	45.56	44.08	0.06	-0.040625	48.619505
155910	Chevron Pascagoula	F-2765 Sulfur III		11/28/2007	5:37:11 PM	45.16	44.37	0.0275	-0.065625	48.559208

APPENDIX G:
CALIBRAIONS AND CERTIFICATIONS

Meter Box: Orifice Full Calibration

Date:	11/14/2007
Prev. Calib. Date:	10/4/2007
Location:	South Austin
Technician:	TB
Meter Serial No:	107089
TRC Meter Box ID	T-3
Atm. Pressure (corr. In Hg):	uncorrected: 29.48 --> 29.48
Critical Vacuum + 2 in Hg:	16 in. Hg. (required minimum)
Prev. Calib Factor (Y):	0.9781

Reference Orifice Set		**Orifice (#)**	**K' Factor**
Manufacturer:	Apex	40	0.2398
Model:	LA 40-73	48	0.3524
Tested By:	SH	55	0.4635
		63	0.6026

Orifice Serial #	K' coefficient (see above)	dH (in. H2O)	Time (min)	Vol (initial) (cu ft)	Vol (final) (cu ft)	Vol. Total (cu ft)	Initial Temperatures Inlet (deg F)	Initial Temperatures Outlet (deg F)	Final Temperatures Inlet (deg F)	Final Temperatures Outlet (deg F)	Vacuum (in Hg)	Ambient Temperatures Initial (deg F)	Ambient Temperatures Final (deg F)
40	0.2398	0.29	17	218.794	224.092	5.298	70	70	73	73	20	73.0	73.0
48	0.3524	0.65	14	224.092	230.628	6.536	73	73	74	74	19	72.0	72.0
55	0.4635	1.1	11	230.628	237.413	6.785	74	74	75	75	18	75.0	75.0
63	0.6026	2	10	237.413	245.476	8.063	76	76	77	77	17	76.0	76.0

Meter Box Dry Gas Meter			Critical Orifice		Dry Gas Meter Calibration Factor (Y)		Orifice Calibration Factor (dH@)	
Volume Corrected Vm (std) (cu ft)	Volume Corrected Vm (std) (liters)	Flow Rate (CFM)	Volume Corrected Vcr (std) (cu ft)	Volume Corrected Vm (std) (liters)	Value (#)	Variation (#)	Value (in H2O)	Variation (in H2O)
5.19	146.91	0.312	5.21	147.42	1.003	0.016	1.704	-0.05
6.38	180.72	0.467	6.31	178.58	0.988	0.001	1.742	-0.02
6.62	187.46	0.617	6.50	184.03	0.982	-0.006	1.727	-0.03
7.86	222.44	0.806	7.67	217.31	0.977	-0.011	1.856	0.10

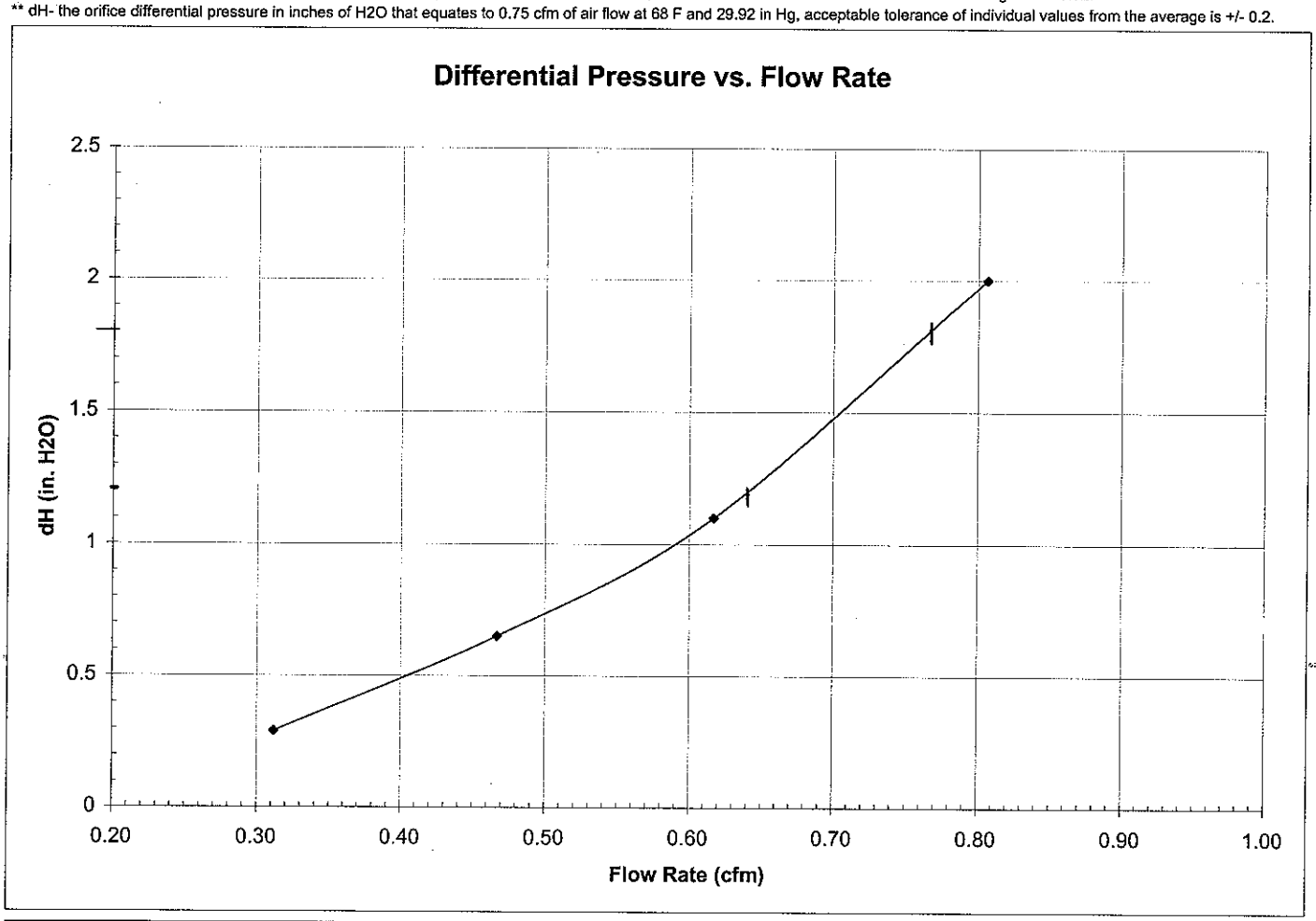
Meter Box

Calibration Test Results		**Pass/Fail**
*** Average Y:**	**0.9876**	***PASS***
Ave. Y w/in 5% of previous value:		*YES*
0.95 >= Y <= 1.05:		*PASS*
**** Average dH:**	**1.757**	***PASS***

Criteria:

* Y- ratio of the reading of the calibration meter (critical orifice) to the Meter Box DGM. Acceptable tolerance of individual values from the average is +/- 0.02.

** dH- the orifice differential pressure in inches of H2O that equates to 0.75 cfm of air flow at 68 F and 29.92 in Hg, acceptable tolerance of individual values from the average is +/- 0.2.



Meter Box: Orifice Full Calibration

Date: 11/30/2007
Prev. Calib. Date: 11/14/2007
Location: TRC Austin, TX.
Technician: DGM
Meter Serial No: 107089.00
Cubix Meter Box ID T-3
Atm. Pressure (corr. In H 29.49 uncorrected: 29.64
Critical Vacuum + 2 in H 16 in. Hg. (required minimum)
Prev. Calib Factor (Y): 0.9876

Reference Orifice Set		Orifice (#)	K' Factor
Manufacturer:	Apex Instruments	40	0.2398
Model:	LA 40-63	48	0.3524
Tested By:	SM	55	0.4635
		63	0.6026

Orifice Serial #	K' coefficient (see above)	dH (in. H2O)	Time (min)	Vol (initial) (cu ft)	Vol (final) (cu ft)	Vol. Total (cu ft)	Initial Temperatures Inlet (deg F)	Initial Temperatures Outlet (deg F)	Final Temperatures Inlet (deg F)	Final Temperatures Outlet (deg F)	Vacuum (in Hg)	Ambient Temperatures Initial (deg F)	Ambient Temperatures Final (deg F)
40	0.2398	0.28	25	565.617	573.456	7.839	68	70	68	70	20	70.0	71.0
48	0.3524	0.64	15	573.456	580.464	7.008	70	71	70	71	19	72.0	72.0
55	0.4635	1.15	9	614.870	620.448	5.578	71	72	71	72	18	72.0	72.0
63	0.6026	2.00	15	588.684	600.692	12.008	72	73	72	73	16	72.0	72.0

Meter Box Dry Gas Meter Volume Corrected Vm (std) (cu ft)	Volume Corrected Vm (std) (liters)	Flow Rate (CFM)	Critical Orifice Volume Corrected Vcr (std) (cu ft)	Volume Corrected Vm (std) (liters)	Dry Gas Meter Calibration Factor (Y) Value (#)	Variation (#)	Orifice Calibration Factor (dH@) Value (in H2O)	Variation (in H2O)
7.71	218.40	0.314	7.67	217.32	0.995	0.012	1.645	-0.12
6.88	194.87	0.467	6.76	191.35	0.982	-0.001	1.744	-0.02
5.47	155.01	0.620	5.33	151.00	0.974	-0.009	1.806	0.04
11.79	333.78	0.801	11.56	327.20	0.980	-0.003	1.856	0.09

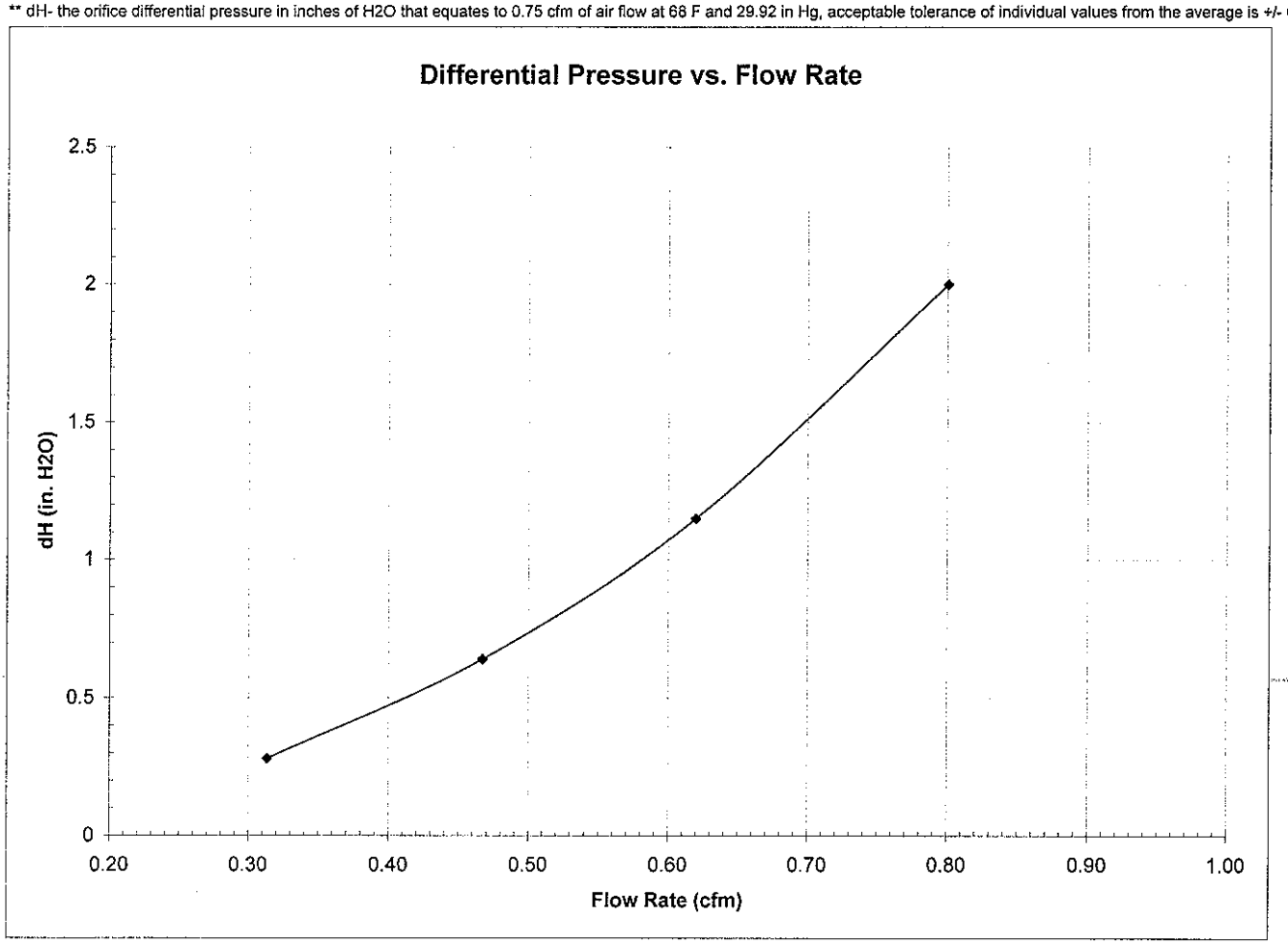
Meter Box

Calibration Test Results		**Pass/Fail**
*** Average Y:**	**0.9828**	***PASS***
Ave. Y w/in 5% of previous value:		*YES*
0.95 >= Y <= 1.05:		*PASS*
**** Average dH:**	**1.763**	***PASS***

Criteria:

* Y- ratio of the reading of the calibration meter (critical orifice) to the Meter Box DGM. Acceptable tolerance of individual values from the average is +/- 0.02.

** dH- the orifice differential pressure in inches of H2O that equates to 0.75 cfm of air flow at 68 F and 29.92 in Hg, acceptable tolerance of individual values from the average is +/- 0.



Spectra Gases Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

Shipped from: 80 Industrial Drive, Alpha, NJ 08865

CERTIFICATE OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: TRC Air Measurements
SGI ORDER # : 0106190
ITEM# : 3
P.O.# : 2006603,T9WOOD

CYLINDER # : CC-94575
CYLINDER PRES: 2000 PSIG
CGA OUTLET: 660

CERTIFICATION DATE: 4/2/2007
EXPIRATION DATE: 4/2/2009

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Carbon Monoxide	3/21/2007 4/2/2007	85.21 ppm 85.18 ppm	85.2 ppm	+/- 1%
Nitric Oxide	3/22/2007 4/2/2007	84.72 ppm 84.63 ppm	84.7 ppm	+/- 1%
NOx			84.7 ppm	Reference Value Only
Propane	3/27/2007	84.9 ppm	84.9 ppm	+/- 1%

BALANCE Nitrogen
PREVIOUS CERTIFICATION DATES: None

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Carbon Monoxide	GMIS-1	CC-135374	101.0 ppm
Nitric Oxide	NTRM-81684	CC-202704	98.8 ppm
Propane	GMIS-1	CC-113884	100.3 ppm

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Carbon Monoxide	Horiba VIA-510	H0002L2Y	NDIR	3/21/2007
Nitric Oxide	CAI-400-CLD	6L09004	Chemi	3/14/2007
Propane	H. Packard 6890	US00001434	GC - FID	3/12/2007

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

Cheryl L Patino

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CERTIFICATE OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: TRC Air Measurements
SGI ORDER # : 0106190
ITEM# : 1
P.O.# : 2006603,T9WOOD

CYLINDER # : CC-84911
CYLINDER PRES: 2000 PSIG
CGA OUTLET: 660

CERTIFICATION DATE: 4/2/2007
EXPIRATION DATE: 4/2/2009

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Carbon Monoxide	3/20/2007 4/2/2007	25.18 ppm 25.03 ppm	25.1 ppm	+/- 1%
Nitric Oxide	3/22/2007 4/2/2007	24.90 ppm 24.83 ppm	24.9 ppm	+/- 1%
NOx			24.9 ppm	Reference Value Only
Propane	3/27/2007	25.1 ppm	25.1 ppm	+/- 1%

BALANCE Nitrogen
PREVIOUS CERTIFICATION DATES: None

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Carbon Monoxide	GMIS-1	CC-118759	49.7 ppm
Nitric Oxide	NTRM-81684	CC-202704	98.8 ppm
Propane	GMIS-1	CC-113884	100.3 ppm

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Carbon Monoxide	Horiba VIA-510	H0002L2Y	NDIR	3/15/2007
Nitric Oxide	CAI-400-CLD	6L09004	Chemi	3/14/2007
Propane	H. Packard 6890	US00001434	GC - FID	3/12/2007

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

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CERTIFICATE OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: TRC Air Measurements
SGI ORDER # : 0106190
ITEM# : 2
P.O.# : 2006603,T9WOOD

CYLINDER # : CC-80853
CYLINDER PRES: 2000 PSIG
CGA OUTLET: 660

CERTIFICATION DATE: 4/2/2007
EXPIRATION DATE: 4/2/2009

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Carbon Monoxide	3/21/2007 4/2/2007	45.67 ppm 45.48 ppm	45.6 ppm	+/- 1%
Nitric Oxide	3/22/2007 4/2/2007	44.88 ppm 44.97 ppm	44.9 ppm	+/- 1%
NOx			45.0 ppm	Reference Value Only
Propane	3/27/2007	45.2 ppm	45.2 ppm	+/- 1%

BALANCE Nitrogen
PREVIOUS CERTIFICATION DATES: None

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Carbon Monoxide	GMIS-1	CC-118759	49.7 ppm
Nitric Oxide	NTRM-81684	CC-202704	98.8 ppm
Propane	GMIS-1	CC-113884	100.3 ppm

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Carbon Monoxide	Horiba VIA-510	H0002L2Y	NDIR	3/15/2007
Nitric Oxide	CAI-400-CLD	6L09004	Chemi	3/14/2007
Propane	H. Packard 6890	US00001434	GC - FID	3/12/2007

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

Cheryl L Patino

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CERTIFICATE OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: TRC Air Measurements
SGI ORDER # : 0114540
ITEM# : 3
P.O.# : 2007138 T-16 Jeff

CYLINDER # : CC-83932
CYLINDER PRES: 2000 PSIG
CGA OUTLET: 590
PRODUCT CODE: TRC 22

CERTIFICATION DATE: 9/4/2007
EXPIRATION DATE: 9/4/2010

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Carbon Dioxide	9/4/2007	7.04 %	7.04 %	+/- 1%
Oxygen	9/4/2007	11.99 %	11.99 %	+/- 1%

BALANCE Nitrogen
PREVIOUS CERTIFICATION DATES: None

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Carbon Dioxide	GMIS-1	CC-117398	10.01 %
Oxygen	NTRM-82659x	CC-237212	24.52 %

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Carbon Dioxide	CAI-300	S03001	NDIR	8/15/2007
Oxygen	CAI-300	S03001	PM	8/21/2007

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

ANALYST: _____ **DATE:** 9/4/2007
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CERTIFICATE OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: Cubix Corporation
SGI ORDER # : 0080723
ITEM# : 5
P.O.# : 2005891,T9JIM

CYLINDER # : CC-128336
CYLINDER PRES: 2000 PSIG
CGA OUTLET: 590

CERTIFICATION DATE: 11/28/2005
EXPIRATION DATE: 11/28/2008

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Carbon Dioxide	11/28/2005	4.48 %	4.48 %	+/- 1%
Oxygen	11/28/2005	20.9 %	20.9 %	+/- 1%

BALANCE Nitrogen
PREVIOUS CERTIFICATION DATES: None

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Carbon Dioxide	GMIS-1	CC-85169	5.02 %
Oxygen	NTRM-82659x	CC-83894	22.8 %

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Carbon Dioxide	CAI-300	S03001	NDIR	10/28/2005
Oxygen	CAI-300	S03001	PM	11/22/2005

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

Cheryl L Patino

ANALYST: _____ **DATE:** 11/28/2005
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ISO 9001:2000

Shipped from: 80 Industrial Drive, Alpha, NJ 08865

CERTIFICATE OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: Cubix Corporation
SGI ORDER # : 0080723
ITEM# : 3
P.O.# : 2005891,T9JIM

CYLINDER # : CC-94442
CYLINDER PRES: 1800 PSIG
CGA OUTLET: 580

CERTIFICATION DATE: 11/28/2005
EXPIRATION DATE: 11/28/2008

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Carbon Dioxide	11/28/2005	20.9 %	20.9 %	+/- 1%
Oxygen	11/28/2005	4.48 %	4.48 %	+/- 1%

BALANCE Nitrogen
PREVIOUS CERTIFICATION DATES: None

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Carbon Dioxide	NTRM-82745x	CC-79947	20.0 %
Oxygen	GMIS-1	CC-106741	5.00 %

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Carbon Dioxide	CAI-300	S03001	NDIR	11/28/2005
Oxygen	CAI-300	S03001	PM	11/28/2005

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

Cheryl L Patino

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ISO 9001:2000

Shipped from: 80 Industrial Drive, Alpha, NJ 08865

CERTIFICATE OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: TRC Air Measurements
SGI ORDER # : 0108271
ITEM# : 3
P.O.# : 2007023,T11TREY

CYLINDER # : CC-94390
CYLINDER PRES: 2000 PSIG
CGA OUTLET: 660
PRODUCT CODE: TRC 17

CERTIFICATION DATE: 5/11/2007
EXPIRATION DATE: 5/11/2009

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Sulfur Dioxide	5/3/2007 5/11/2007	101.8 ppm 101.3 ppm	101.5 ppm	+/- 1%

BALANCE Nitrogen
PREVIOUS CERTIFICATION DATES: None

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Sulfur Dioxide	GMIS-1	CC-143657	193.4 ppm

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Sulfur Dioxide	Horiba VIA-510	851221093	NDIR	5/9/2007

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

ANALYST: _____ **DATE:** 5/11/2007
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Spectra Gases Inc.

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ISO 9001:2000

Shipped from: 80 Industrial Drive, Alpha, NJ 08865

CERTIFICATE OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: Cubix Corporation
SGI ORDER # : 0087107
ITEM# : 2
P.O.# : 2006136,T8TREY

CYLINDER # : CC-133326
CYLINDER PRES: 2000 PSIG
CGA OUTLET: 660

CERTIFICATION DATE: 3/22/2006
EXPIRATION DATE: 3/22/2008

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Sulfur Dioxide	3/15/2006 3/22/2006	45.45 ppm 45.43 ppm	45.4 ppm	+/- 1%

BALANCE Nitrogen
PREVIOUS CERTIFICATION DATES: None

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Sulfur Dioxide	NTRM-81694	CC-162843	96.1 ppm

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Sulfur Dioxide	Horiba VIA-510	851221093	NDIR	3/22/2006

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

ANALYST: _____ **DATE:** 3/22/2006
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ISO 9001:2000

Shipped from: 80 Industrial Drive, Alpha, NJ 08865

RECERTIFICATION OF ANALYSIS

EPA PROTOCOL MIXTURE

PROCEDURE # : G1

CUSTOMER: TRC Air Measurements
SGI ORDER # : 0110468
ITEM# : 2
P.O.# : 2007071 T-9 Wood

CYLINDER # : CC-94848
CYLINDER PRES: 1600 PSIG
CGA OUTLET: 660

CERTIFICATION DATE: 6/25/2007
EXPIRATION DATE: 6/25/2009

CERTIFICATION HISTORY

COMPONENT	DATE OF ASSAY	MEAN CONCENTRATION	CERTIFIED CONCENTRATION	ANALYTICAL ACCURACY
Sulfur Dioxide	12/19/2006 6/25/2007	25.30 ppm 25.26 ppm	25.3 ppm	+/- 1%

BALANCE Nitrogen

PREVIOUS CERTIFICATION DATES: 12/19/2006 by Spectra Gases

REFERENCE STANDARDS

COMPONENT	SRM/NTRM#	CYLINDER#	CONCENTRATION
Sulfur Dioxide	NTRM-81694	CC-162825	96.1 ppm

INSTRUMENTATION

COMPONENT	MAKE/MODEL	SERIAL #	DETECTOR	CALIBRATION DATE(S)
Sulfur Dioxide	Horiba VIA-510	851221093	NDIR	6/19/2007

THIS STANDARD IS NIST TRACEABLE. IT WAS CERTIFIED ACCORDING TO THE EPA PROTOCOL PROCEDURES.
DO NOT USE THIS STANDARD IF THE CYLINDER PRESSURE IS LESS THAN 150 PSIG.

ANALYST: F. P.
FRED PIKULA

DATE: 6/25/2007

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