

**United States Environmental Protection Agency
Region 4**

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720



**Final Report
Yellow Bluff Air Study
Yellow Bluff, Wilcox County, Alabama
Dates of Study: November 16 - December 16, 2010
and
January 23-28, 2011**

SESD Project Identification Number: 11-0068

SESD Project Leader: Mike Crowe
Enforcement and Investigations Branch
USEPA
980 College Station Road
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A change is made on page 5 of the attached document. See **BACKGROUND:** Mayor Glynn McCord..... Glynn should be changed to Glen.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

OCT 21 2011

The Honorable Glen McCord
Mayor of Yellow Bluff
PO Box 40
Pine Hill, Alabama 36769

Dear Mayor McCord:

Enclosed is a report on the air quality study that the U.S. Environmental Protection Agency has conducted in Yellow Bluff, Alabama. In general the study found that the measured ambient air pollutant levels did not exceed acute (short term) screening levels or air quality standards.

If you or your staff would like to discuss the study and/or the findings further, please contact Doug Neeley or Van Shrieves of my staff. They can be reached at (404) 562-9097 and (404) 562-9089, respectively, or neeley.doug@epa.gov and shrieves.van@epa.gov. We also would welcome the opportunity to discuss the results of the study with interested members of the community and would like to get your input on the manner and timing of such a discussion.

Thank you for your interest in the environment and I look forward to meeting with you in the near future.

Sincerely,

A handwritten signature in black ink, appearing to read "Beverly H. Banister".

Beverly H. Banister
Director
Air, Pesticides and Toxics
Management Division

Enclosures

cc: Ron Gore, ADEM
Archie Lee, SESD



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

OCT 13 2011

Ron W. Gore, Chief
Air Division
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, Alabama 36130-1463

Dear Mr. Gore:

Enclosed is a report on the air quality study that the United States Environmental Protection Agency has conducted in Yellow Bluff, Alabama. We have extended an invitation to Mayor McCord to be briefed on the study as he has indicated interest in coming to the Region 4 offices for a briefing. Please let us know if you would like for you or your staff to be included in this briefing. We are also available to brief you separately or answer any questions you might have on the study and report.

Please contact Doug Neeley of my staff to be briefed or to schedule a conference call. Doug can be reached at (404) 562-9097 and neeley.doug@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Beverly H. Banister".

Beverly H. Banister
Director
Air Pesticides and Toxics
Management Division

Enclosures

Cc: Archie Lee, SESD

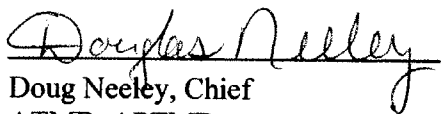
SESD Project # 11-0068

Title and Approval Sheet

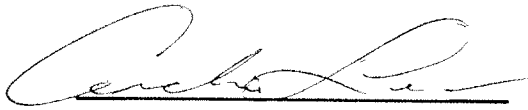
Title: Report, Yellow Bluff Air Study,
Yellow Bluff, Wilcox County, Alabama

Document Type: Investigation Final Report

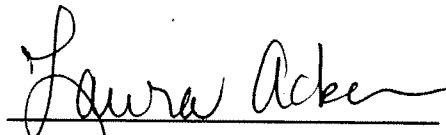
Approving Officials:


Doug Neeley, Chief
ATMB, APTMD
Region 4 USEPA

9/14/11
Date


Archie Lee, Chief
Enforcement and Investigations Branch

9/14/11
Date


Laura Ackerman, Chief
Air and Superfund Section
Enforcement and Investigations Branch

9/16/11
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SESD Project Leader:


Mike Crowe
Air and Superfund Section
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9/16/11
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DEFINITIONS:

APTMD.....	Region 4 USEPA Air, Pesticides and Toxics Management Division, Atlanta, GA.
ATMP	Air Toxics and Monitoring Branch
CCC	Corrosion Classification Coupon
DNPH	Dinitrophenylhydrazine
H ₂ S	Hydrogen Sulfide
lpm	liters per minute
MRL	Minimum Reporting Limit or Minimum Risk Level
PM _{2.5}	particles measuring less than or equal to 2.5 micrometers in diameter
ppb	parts per billion
PZS	Precision Zero Span
QAPP	Quality Assurance Project Plan
QC	Quality Control
SESD	Region 4 USEPA Science and Ecosystem Support Division, Athens, GA.
SO ₂	Sulfur Dioxide
SOP	Standard Operating Procedure
SRM	Standard Reference Material
TIC	Tentatively Identified Compound
TRI	Toxics Release Inventory
TTP	Thru the Probe
ug/m ³	microgram per cubic meter
VOC	Volatile Organic Compound

Yellow Bluff Air Study Yellow Bluff, Alabama

INTRODUCTION

On November 16 – December 16, 2010, and January 23 - 28, 2011, Mike Crowe and Greg Noah, Region 4, Science and Ecosystem Support Division (SESD) and Van Shrieves, Region 4 Air, Pesticides and Toxics Management Division (APTMD) conducted an air sampling study in Yellow Bluff, Alabama. This study was conducted in response to concerns about potential health impacts related to air emissions emanating from a nearby paper mill.

BACKGROUND

The issue of potential environmental concerns within the town of Yellow Bluff, Alabama was brought to the EPA's attention during the summer of 2010. During a meeting along the Gulf Coast in the summer of 2010, Mayor Glynn McCord of Yellow Bluff, Alabama raised concerns to the EPA Administrator, Lisa Jackson, about air quality conditions in Yellow Bluff, Alabama. Yellow Bluff is a small environmental justice community located in rural Wilcox County. In addition to health concerns, the Mayor explained that citizens of Yellow Bluff have experienced property damage, corrosion of metal specifically, that they believe is attributable to air quality. Administrator Jackson agreed that the EPA would investigate the concerns.

The study was designed to assess the concentrations of airborne contaminants in the Yellow Bluff area that have the potential to cause adverse health effects as well as corrosion of metal objects. Monitoring and sampling methods were selected based on Toxic Release Inventory (TRI) data as well as other information concerning pollutants that are typically associated with paper mill facilities. EPA personnel conducted ambient air monitoring activities and collected meteorological data during the sampling event to determine if there is a measureable difference in the levels of monitored pollutants within the town of Yellow Bluff compared to those detected at a background location. The study was conducted in accordance with the SESD Quality Assurance Project Plan (QAPP), entitled "Yellow Bluff Air Study", dated November 11, 2010.

The town of Yellow Bluff is located in southern Alabama at approximately 31.96 north latitude and -87.48 west longitude in Wilcox County. Immediately to the north of Yellow Bluff, across Highway 10, is the International Paper Pine Hill Mill (IP) facility (formerly owned by Weyerhaeuser Co.) located at 7600 Highway 10 W, Pine Hill, Alabama 36769 (Figure 1) *Figures 1 thru 3 are contained in Appendix A.*

SUMMARY

Two sites were selected for the study; a Primary site and a Background site. The Primary site was located at the Yellow Bluff Town Hall, (81 Park Avenue), within the town of Yellow Bluff (Figure 1). The Background site was established approximately 15 miles to the northeast at cabin #6 within Roland Cooper State Park, (285 Deer Run Drive), in Camden, Alabama (Figure 2). *Figures 1 thru 3 are contained in Appendix A.*

The pollutants/parameters that were monitored at the two sites were:

- Sulfur dioxide (SO₂)
- Hydrogen sulfide (H₂S)
- Reactive gases and particles
 1. Potassium cations
 2. Sodium cations
 3. NO₃ species
 4. SO₄ species
 5. NH₄ cations
- Gravimetric PM_{2.5} concentrations
- Volatile organic compounds (VOCs)
- Aldehydes
- Meteorology - wind speed and direction

In addition to the Primary and Background sites, five residential locations within Yellow Bluff were selected for the collection of ancillary corrosion classification coupon (CCC) data for screening purposes. Station IDs, along with station descriptions, addresses, and coordinates can be found in Table 1 below. The CCC locations can also be seen in Figure 1.

Table 1 – Station Descriptions

STATION ID	DESCRIPTION	ADDRESS	LAT.	LONG.
YBA	PRIMARY - Yellow Bluff Town Hall	81 Park Ave. Yellow Bluff, AL	N 31.96591	W -87.46921
YBB	BACKGROUND - Roland Cooper State Park	285 Deer Run Drive Cabin #6. Camden, AL	N 32.05273	W -87.24842
YB1	St. Lewis Church	361 Shamburger Rd.	N 31.96084	W -87.48286
YB2	Williams Social Center	59 Shamburger Rd.	N 31.96491	W -87.48608
YB4	Mt. Pleasant Missionary Baptist Ch.	Hwy 10.	N 31.96572	W -87.47820
YB6	Greater Faith Temple Church	7141 Hwy 10	N 31.96733	W -87.46940
YB7	Powell Residence. Near YB Health Center	Hwy 10.	N 31.96747	W -87.46781

INVESTIGATION METHODOLOGY

All sampling and quality control (QC) procedures for field activities were conducted in accordance with the EPA Region 4 SESD field branches quality systems and technical procedures and the SESD ambient air sampling standard operating procedure (SOP). Sample custody was maintained by SESD until samples were processed. Copies of the sampling methods are available in the QAPP.

Continuous Monitoring Methodology

Monitoring for H₂S and SO₂ was performed using a Thermo Electron Corporation's pulsed fluorescence H₂S/SO₂ analyzer, Model 450C. Two of these instruments were deployed during the study. One was deployed at the Primary monitoring location in Yellow Bluff, and the other at the Background location. The monitors were deployed in sheltered, air-conditioned environments per the manufacturer's specifications. A probe line was attached such that the monitor could continuously sample the ambient air outside the shelter. The monitor sampled ambient air thru a ¼" O.D. Teflon probe line with a Teflon Savillex particulate filter attached at the inlet. The inlet was attached to a tripod, approximately three meters away from the edge of the shelter, and three meters off of the ground. The analog signal outputs from the Thermo 450C were attached to an ESC 8832 data logger for data acquisition. After instrument setup the Thermo 450C was allowed to warm up for several hours prior to calibration. The Thermo 450C and the accompanying data logger were calibrated using concentrated gas cylinders of certified standard reference materials (SRMs), blended with cylinder-supplied ultrapure zero air. The blending was performed using an Environics 6100 series gas calibration system. The calibration was accomplished thru-the-probe (TTP) by supplying the blended calibration gas at the inlet of the probe system. The calibration coefficients of the analyzer were adjusted as necessary to cause the instrument to reflect the true value of the supplied calibration gases at zero parts per billion (ppb) and at a value approximating the full scale of the instrument. The data logger was placed in maintenance mode during calibration and QC checks so as not to include the QC data within the averages calculated from the ambient air monitoring.

Continuous monitoring for H₂S/SO₂ was conducted for approximately 86 hours. The data were stored within the ESC 8832 data logger as one-hour and one-minute averages for QC purposes, but are reported as one-hour averages in the Results section of this report. Approximately halfway through the study and at the end of the study a precision, zero, span (PZS) verification was performed to assess the accuracy of the H₂S/SO₂ analyzer. This verification was accomplished in the same way as the calibration, except no adjustments were made to the instrument, and an intermediate precision point was also verified.

An RM Young Model 05305 Wind Monitor-AQ portable meteorological monitoring instrument was located on a tripod approximately ten meters from the edge of the structure and approximately three meters in height, at the southern side of the Primary monitoring site. Wind direction orientation was verified after installation using a Silva type 15T compass. Wind speed and direction were continuously monitored and logged during the H₂S/SO₂ monitoring. These data were logged within the ESC 8832 data logger and are reported as one-hour averages within

this report. All continuously logged data were backed-up daily from the data logger using Agilaire's E-DAS software.

Manual Sampling Methodology

Three EPA methods were used for the manual collection of ambient air samples. The manual sampling methods involved collection of samples over a 24-hour period by passing ambient air thru a sample media or into an evacuated canister.

A total of ten ambient air samples using the *Determination of Reactive Acidic and Basic Gases and Strong Acidity of Atmospheric Fine Particles (<2.5 μ m) Method IO-4.2*, were collected using a URG-3000-02BAM outdoor sampling pump and a URG-2000 insulated sampling box. The URG-2000 insulated sampling box was deployed on a tripod at a height of approximately 2 meters. Sample air was drawn in thru an inlet at approximately 10 liters per minute (lpm) that included a cyclone that restricted the sampled particulate matter to particles measuring less than or equal to 2.5 micrometers (PM_{2.5}) in diameter. The ambient air then passed thru two separate annular denuders (citric acid coated, and sodium carbonate coated) and then onto a filter stack with two in-line filters constructed of Teflon and Nylon. Three consecutive days of manual sampling occurred and three 24-hour samples were collected at both the Primary and Background sampling locations, for a total of six samples. Flow rates were verified at the beginning and end of each 24-hour sampling period. The additional four samples were QC samples, and are discussed in the QC section of this report. A contract laboratory provided the sample media and the analytical support. All samples were sent to the laboratory in one shipment at the end of the study. The filter packs were kept cold after sampling and shipped in a cooler with ice.

Manual ambient air sampling for aldehydes was conducted according to *Formaldehyde Sampling with Dinitrophenylhydrazine (DNPH) Cartridges using Method TO-11A*. ATEC Model 100 Cartridge Samplers were deployed on tripods at a height of approximately 2.5 meters, and used to collect 24-hour samples. Sample air was drawn in thru an inlet at approximately one liter per minute and flowed thru the DNPH sample media. Three consecutive days of manual sampling occurred and three 24-hour samples were collected at both the Primary and Background sampling locations, for a total of six samples. Flow rates were verified at the beginning and end of each 24-hour sampling period. Four additional QC samples were collected and are discussed in the QC section of this report. A contract laboratory provided the sample media and the analytical support. All samples were sent to the laboratory in one shipment at the end of the study. All DNPH cartridges were stored cold before and after sampling, and shipped in a cooler with ice.

Manual ambient air sampling for VOCs was performed in accordance with the following method: *Volatile Organic Compound Sampling with SUMMA Electropolished Stainless Steel Canisters or Silcosteel Canisters using Method TO-15*. The evacuated canisters were supplied by SESD and were deployed using SESD's mechanical flow controllers. The flow controllers allowed 24-hour time-integrated sample collection at a rate of approximately 3.5 cubic centimeters per minute (cc/min). Flow controllers were cleaned using zero-air and their flow rates verified prior to the study. The canisters and flow controllers were deployed on tripods at a height of approximately 2.5 meters. Three consecutive days of manual sampling was conducted

and three 24-hour samples were collected at both the Primary and Background sampling locations, for a total of six samples. Four additional QC samples were collected and are discussed in the QC section of this report. The samples were hand-delivered to SESD at the conclusion of the study.

Corrosion Classification Coupon Methodology

Monitoring for corrosion was performed at the Primary, Background, and five additional residential Yellow Bluff sites using CCC sample media. CCCs are composed of two strips of metal, one copper and one silver. The analytical method is a proprietary method that measures the amount of corrosion that occurs on the metals strips (measured in angstroms) over a defined time frame. The strips were attached to a coupon holder, located under the eave of a building, and allowed to hang undisturbed for the duration of the study. During this study the coupons were deployed in two separate phases. The first phase preceded the intensive part of the study by approximately two months, and lasted for approximately 30 days (November 16 - December 16, 2010). The second phase occurred during the continuous and manual sampling, and lasted approximately four days (January 24 – 28, 2011). The samples were hand-delivered to a contract laboratory at the end of each phase.

Please note that the use of CCCs is not an EPA validated method for ambient air quality measurement. CCCs do not have an EPA reference method for conducting ambient air quality measurements nor are they equivalent to any EPA-approved methods for conducting ambient air quality measurements. CCCs were used in the Yellow Bluff Air Quality Study as a screening tool to help understand the corrosiveness of the air at various sites.

Sample Nomenclature

The nomenclature for identifying individual samples is as follows:

<Station ID><analytical reference letter><sequential number of sample for that analysis at that station>

The letters for analytical reference are:

V = VOC

A = Aldehyde

R = Reactive gases and particles

C = Corrosion Classification Coupon

The number nine was placed as the first digit in the sequential number if the sample was a duplicate.

Examples:

YBBR02 was the second reactive gases and particles sample collected at the background station.

YBAV93 was the duplicate of the third VOC sample collected at the Yellow Bluff Town Hall

YB1C02 was the second coupon deployed at the St. Lewis Church.

RESULTS

Continuous Monitoring Results

Continuous H₂S and SO₂ monitoring was conducted simultaneously for approximately 86 hours at the Primary and Background sites. Table 2 contains a summary of the one-hour averages from the Primary and Background sites. Appendix B contains a comprehensive spreadsheet summary of all of the one-hour-average H₂S and SO₂ data, along with the meteorological data that were collected at the Primary site. Appendix C contains the raw one-hour data that were downloaded from the data loggers at the conclusion of the study. Appendix D contains the raw one-minute data that were downloaded from the data loggers at the conclusion of the study.

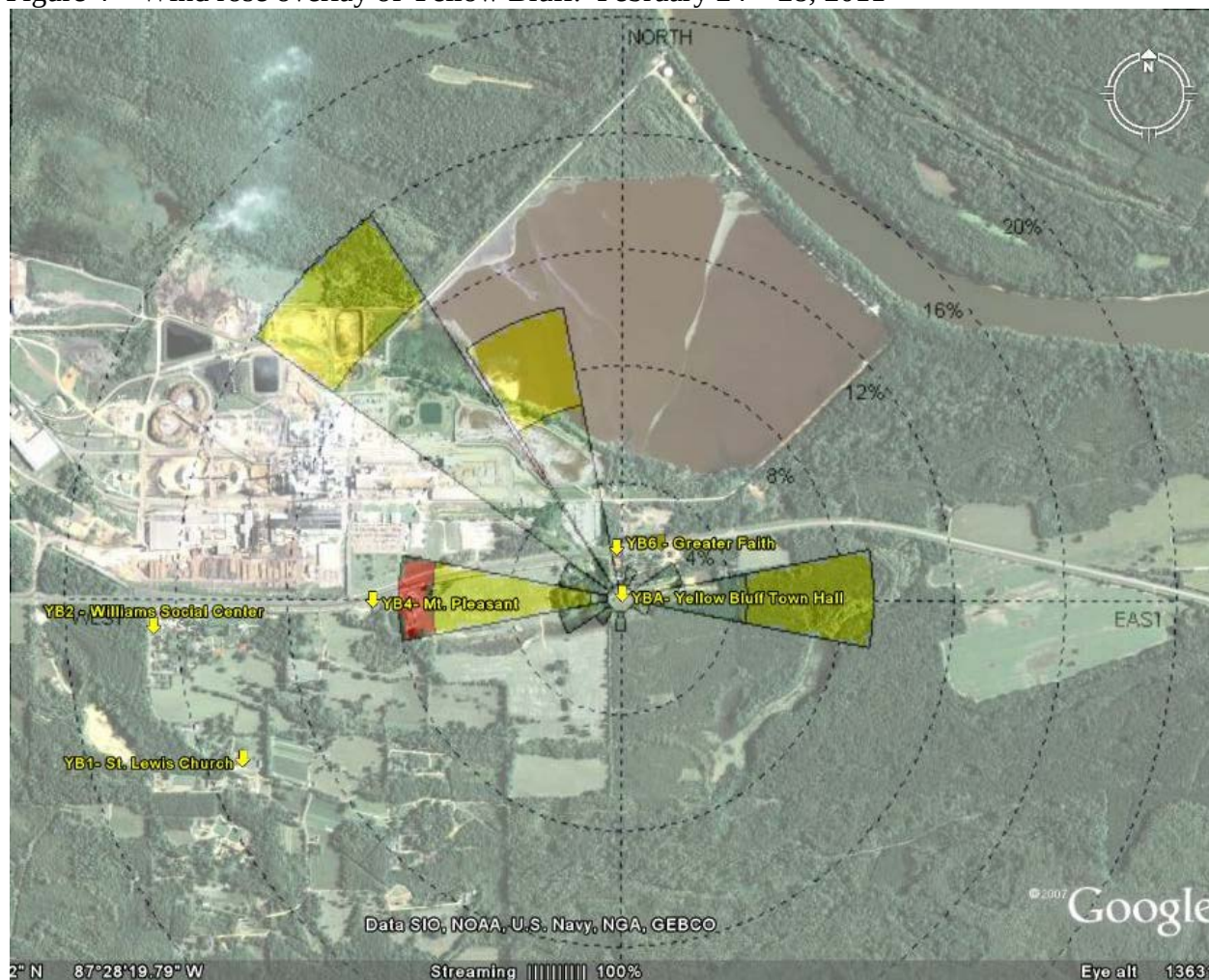
Table 2 – Summary of one-hour SO₂ and H₂S averages

n=86	PRIMARY SITE		BACKGROUND SITE	
	Yellow Bluff Town Hall		Roland Cooper Park	
	STATION ID: YBA / Logger 01		STATION ID: YBB / Logger 02	
	SO ₂ (ppb)*	H ₂ S (ppb)*	SO ₂ (ppb)	H ₂ S (ppb)
Average of the hourly concentrations	0.6	4.9	0.7	0.2
Maximum one-hour-average	6.3	39.1	3.8	1.0

* Concentrations of “0.0” reflect a non-detect of the compound. Some logged data in the Appendices show low level negative concentrations showing drift around zero. See the QC section for details.

Meteorological data (wind speed and direction) were collected for over 86 hours at the Primary site. Hourly averages for wind speed and direction were downloaded from the data logger at the Primary site and are included in Appendix B. The raw one-hour averages can be found in Appendix C. A wind rose plot was generated using the hourly averages from the wind data collected during the study (Figure 3 in Appendix A). For the purpose of generating the wind rose plots, any hour with an average wind speed of less than 1.0 meter/second (m/s) was described as “calm” and has no wind direction data associated with it. A map of Yellow Bluff with an overlay of the wind rose can be found below in Figure 4.

Figure 4 – Wind rose overlay of Yellow Bluff. February 24 – 28, 2011



To determine if there was a correlation between meteorological conditions, specifically wind speed and direction, and the measured pollutant concentrations, the meteorological conditions were analyzed and determined to fit into the following three meteorological events:

Event 1: During the first 22 hours of the study, after both sites began simultaneously operation, 11 hours had an average hourly wind speed ≥ 1 meter per second (m/s), with a predominant wind direction of 89° (from the east). This event corresponds to 1/24/2011 hour 19, thru 1/25/2011 hour 16 (Figure 5 and Table 4).

Event 2: The following 25 hours had an average hourly wind speed of approximately 2 m/s and an average wind direction of approximately 310° (from the northwest), followed by 16 hours of calm conditions, for a total of 41 hours. This event corresponds to 1/25/2011 hour 17, thru 1/27/2011 hour 9 (Figure 6 and Table 5).

Event 3: The final 23 hours when both sites were still simultaneously operating had 8 hours of initial strong winds from the west (averaging approximately 2.6 m/s), with an

average hourly wind speed of approximately 1 m/s and a average direction of approximately 252° (from the west-southwest) over the entire 23-hour period. This event corresponds to 1/27/2011 hour 10, thru 1/28/2011 hour 8 (Figure 7 and Table 6).

While the short duration and limited sample size of this study limits the ability to conduct a detailed statistical analysis of the data, there are some general observations that can be made about the results of the continuous data. During Events 1 and 3, while the wind was blowing from the east and west, respectively, the continuous concentrations observed at the Primary and Background sites appear to approximate one another within a few parts per billion. However, during Event 2, while the wind was blowing from the northwest, and after the wind had been blowing from the northwest, the concentration of H₂S at the Primary site was many times greater than at the Background site (Table 3).

Table 3 – Summary of meteorological events and one-hour H₂S concentrations

	Average wind direction (blowing from)	Average wind speed	Primary site average hourly H ₂ S concentration	Background site average hourly H ₂ S concentration
Meteorological Event	degrees	m/s	ppb	ppb
1	89	0.9	0.4	0.1
2	310	1.2	7.8	0.2
3	252	1.0	0.1	0.4

The hourly-averages of the continuous H₂S and SO₂ concentration data that were collected during the three meteorological events are displayed with separate wind roses and tables on the following three pages. The event tables have been color coded to match the colors of the corresponding data in Appendix B.

Figure 5 - Meteorological Event 1 wind rose overlay

Table 4 - Meteorological Event 1 one-hour SO₂ and H₂S averages

n=22	PRIMARY SITE		BACKGROUND SITE	
	Yellow Bluff Town Hall		Roland Cooper Park	
	STATION ID: YBA / Logger 01		STATION ID: YBB / Logger 02	
	SO ₂ (ppb)*	H ₂ S (ppb)*	SO ₂ (ppb)	H ₂ S (ppb)
Average of the hourly concentrations	0.0	0.4	0.1	0.1
Maximum one-hour-average	0.0	2.8	0.5	0.2

* Concentrations of "0.0" reflect a non-detect of the compound. Some logged data in the appendices show low level negative concentrations showing drift around zero. See the QC section for details.

Figure 6 - Meteorological Event 2 wind rose overlay

Table 5 - Meteorological Event 2 one-hour SO₂ and H₂S averages

n=41	PRIMARY SITE		BACKGROUND SITE	
	Yellow Bluff Town Hall		Roland Cooper Park	
	STATION ID: YBA / Logger 01		STATION ID: YBB / Logger 02	
	SO ₂ (ppb)*	H ₂ S (ppb)*	SO ₂ (ppb)	H ₂ S (ppb)
Average of the hourly concentrations	0.8	7.8	0.2	0.2
Maximum one-hour-average	6.3	39.1	3.3	1.0

* Concentrations of "0.0" reflect a non-detect of the compound. Some logged data in the appendices show low level negative concentrations showing drift around zero. See the QC section for details.

Figure 7 - Meteorological Event 3 wind rose overlay

Table 6 - Meteorological Event 3 one-hour SO₂ and H₂S averages

n=23	PRIMARY SITE		BACKGROUND SITE	
	Yellow Bluff Town Hall		Roland Cooper Park	
	STATION ID: YBA / Logger 01		STATION ID: YBB / Logger 02	
	SO ₂ (ppb)*	H ₂ S (ppb)*	SO ₂ (ppb)	H ₂ S (ppb)
Average of the hourly concentrations	0.3	0.1	2.2	0.4
Maximum one-hour-average	1.8	0.7	3.8	0.9

* Concentrations of "0.0" reflect a non-detect of the compound. Some logged data in the appendices show low level negative concentrations showing drift around zero. See the QC section for details.

Manual Sampling Results

While the start and stop times of the three days of manual method sampling do not correspond precisely with the three meteorological events described in the previous section, each meteorological event generally corresponds to one sampling day (i.e., meteorological Event 1 occurred primarily during sampling Day 1, meteorological Event 2 occurred primarily during sampling Day 2, and meteorological Event 3 occurred primarily during sampling Day 3).

VOC Results

Low concentrations of VOCs were detected in the samples. Only two compounds had measured levels at or above the minimum reporting limit (MRL) in some of the samples; Freon 12 and acetone. Freon 12 is found in refrigeration systems. Acetone is frequently found in trace amounts in the SESD laboratory VOC method blanks, and is considered a common laboratory contaminant. Acetone was only detected in one of the duplicate samples. Two tentatively identifiable compounds (TICs), pinene and dimethylmethylenecycloheptane, in samples collected from the Primary site on Day 2 were not present at the Background site. Pinene is commonly respired from pine trees and is commonly found in household cleansers. The use or origin of dimethylmethylenecycloheptane is unknown. The compounds are only tentatively identified as no calibration standard was analyzed to confirm the compounds identification. Table 7 is a summary table that contains the analytical results for these four compounds, for all of the VOC samples. The duplicate samples were excluded and non-detects were treated as zeroes when calculating the average concentrations in Table 7. The SESD Laboratory Reporting Sheets, which contain all of the VOC analytical data, can be found in Appendix E.

Table 7 – VOCs detected above MRL, and TICs

Sample ID	Station	Site	Description	Dichloro- difluoro- methane (Freon 12)	Acetone	Pinene (TIC)	Dimethylmethylene bicycloheptane (TIC)
				ug/m3	ug/m3	ug/m3	ug/m3
YBAV01	YBA	PRIMARY	Day 1	2.5	3.5 U, B-2	n/a	n/a
YBAV91	YBA	PRIMARY	Day 1 Dup.	2.5	3.6 U	n/a	n/a
YBAV02	YBA	PRIMARY	Day 2	2.5	3.5 U, B-2	100 NJ	300 NJ
YBAV92	YBA	PRIMARY	Day 2 Dup.	2.6	3.5	300 NJ	100 NJ
YBAV03	YBA	PRIMARY	Day 3	2.5	2.5 U	40 NJ	n/a
YBAV93	YBA	PRIMARY	Day 3 Dup.	2.5	2.6 U	40 NJ	n/a
Average Primary site concentration (excluding duplicates "Dup", assume n/a = 0)				2.5	0	47	100
YBBV01	YBB	BACKGROUND	Day 1	2.7	3.5 U, B-2	n/a	n/a
YBBV02	YBB	BACKGROUND	Day 2	2.6	3.0 U, B-2	n/a	n/a
YBBV03	YBB	BACKGROUND	Day 3	2.4	2.3 U	20 J	n/a
Average Background site concentration (assume n/a = 0)				2.6	0	7	0
YBVOCTB1		N/A	Trip Blank	2.3 U	2.5 U	n/a	n/a

Many of the analytical results are followed by "Data Qualifiers" which are summarized on page 4 of the SESD Laboratory Reporting Sheets contained in Appendix E and below:

- U The analyte was not detected at or above the reporting limit.
- B-2 Reporting level elevated due to trace amounts of analyte present in the method blank.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- NJ Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.

Aldehyde Results

There were minimal differences between the aldehyde concentrations measured at the Primary site and the Background site. A summary of the analytical results for aldehyde (TO-11A) analysis for the Primary and Background sites for the three predominant compounds is in Table 8. The duplicate samples were excluded when calculating the average concentration for the Primary site. The contract lab reporting sheets, which contain all of the aldehyde analytical data, can be found in Appendix F.

Table 8 – Aldehyde analysis results – 3 predominant compounds.

				Formaldehyde	Acetaldehyde	Acetone
Sample ID	Station	Site	Description	ug/m3	ug/m3	ug/m3
YBAA01	YBA	PRIMARY	Day 1	2.03	1.09	1.46
YBAA91	YBA	PRIMARY	Day 1 Dup.	2.20	1.22	1.56
YBAA02	YBA	PRIMARY	Day 2	1.14	0.73	1.83
YBAA92	YBA	PRIMARY	Day 2 Dup.	1.58	1.01	2.50
YBAA03	YBA	PRIMARY	Day 3	1.34	0.62	2.08
YBAA93	YBA	PRIMARY	Day 3 Dup.	1.26	0.64	2.07
Average Primary Site concentration (excluding duplicates "Dup")				1.50	0.81	1.79
YBBA01	YBB	BACKGROUND	Day 1	2.18	1.47	2.64
YBBA02	YBB	BACKGROUND	Day 2	0.97	0.71	1.86
YBBA03	YBB	BACKGROUND	Day 3	0.93	0.50	1.50
Average Background site concentration				1.36	0.89	2.00
YBBAB3	YBA	N/A	Field Blank	0.03	0.02	0.08

Reactive Gases and Particles

Two separate spreadsheet files for the reactive gas and particles analyses were received from the contract laboratory. One spreadsheet provided analytical results expressed in terms of analyte mass on the denuders and filters. The other provided analytical results in terms of analyte concentration based upon the sample volume that was provided to the lab at the end of the study.

A summary of the analytical concentration results is in Table 9. For simplicity, the sum (including particulate and gaseous) of each individual cation or reactive species was calculated for each sample. The duplicate samples were excluded when calculating the average concentration for the Primary site. The total K cations, Na cations, and total SO₄ concentrations observed at the primary site on Day 2 were several times greater than at the Background site. The contract lab's mass and concentration spreadsheets can be found in Appendix G.

Table 9 – Total Reactive Gases and Particles

				Total K cations	Total Na cations	Total NO ₃	Total SO ₄	Total NH ₄ cations	PM _{2.5}
Sample ID	Station	Site	Description	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
YBAR01	YBA	PRIMARY	Day 1	0.128	0.049	0.742	2.863	1.064	13.805
YBAR91	YBA	PRIMARY	Day 1 Dup.	0.115	0.041	0.798	3.201	1.107	14.457
YBAR02	YBA	PRIMARY	Day 2	0.166	2.354	1.094	14.325	1.134	15.127
YBAR92	YBA	PRIMARY	Day 2 Dup.	0.152	2.321	1.288	15.887	1.057	14.455
YBAR03	YBA	PRIMARY	Day 3	0.064	0.118	0.646	4.287	0.744	6.283
YBAR93	YBA	PRIMARY	Day 3 Dup.	0.064	0.132	0.728	4.918	0.765	7.103
Average Primary site concentration (excluding duplicates "Dup")				0.119	0.840	0.828	7.158	0.981	11.738
YBBR01	YBB	BACKGROUND	Day 1	0.071	0.035	1.039	2.851	0.660	9.177
YBBR02	YBB	BACKGROUND	Day 2	0.055	0.131	0.727	4.087	0.955	7.531
YBBR03	YBB	BACKGROUND	Day 3	0.000	0.051	0.498	2.816	0.734	5.180
Average Background site concentration				0.042	0.072	0.755	3.251	0.783	7.296
YBBRB3	YBB	BACKGROUND	Field Blank	0.000	0.000	0.120	0.460	0.096	-0.138

Corrosion Classification Coupon Results

A summary of the analytical results for both of the corrosion classification phases can be found in Tables 10 and 11. The analytical results from the first CCC phase (November 16 – December 16, 2010) indicated significantly higher rates of corrosion at the Primary site than at the Background site. For the second phase (January 24 – 28, 2011), when the duration of CCC

exposure was less, the values were more similar to the Background site. During both phases an unsheltered CCC was deployed at the Williams Social Center in an effort to determine the possible effects of exposure to rain. In both cases the rate of exposure for the unsheltered coupon was significantly greater than the rate of exposure at the sheltered sites. The amounts of corrosion measured at the Yellow Bluff Health Center / Powell Residence and the Greater Faith Temple were significantly greater than at the Primary Site, suggesting that H₂S concentrations may be higher at those locations. In air, H₂S is known to react with water vapor to form sulfuric acid and sulfuric acid is known to corrode metal. The analytical data sheets from the CCC contract lab are located in Appendix H.

Table 10 – Corrosion classification coupon analytical results – Phase 1 (30-day exposure).

SAMPLE ID	SAMPLE DESCRIPTION	Copper Corrosion Angstroms / 30 days	Silver Corrosion Angstroms / 30 days
YB1C01	St. Lewis Church	397	302
YB2C091W	Williams Social Center Air Conditioner WET	1677	322
YB2C01D	Williams Social Center DRY	440	270
YB4C01	Mt. Pleasant Missionary Baptist Ch.	843	976
YB6C01	Greater Faith Temple	4687	2708
YB7C01	Yellow Bluff Health Center / Powell Residence	3391	2081
YB7C091	Yellow Bluff Health Center / Powell Residence Duplicate	5784	2600
YBAC01	Yellow Bluff Town Hall	2922	2682
YBBC01	Background Roland Cooper State Park	352	140
YBZC01	Trip Blank	131	75

Table 11 – Corrosion classification coupon analytical results - Phase 2 (4-day exposure).

SAMPLE ID	SAMPLE DESCRIPTION	Copper Corrosion Angstroms / 30 days	Silver Corrosion Angstroms / 30 days
YB1C02	St. Lewis Church	230	491
YB2C092W	Williams Social Center Air Conditioner WET	842	719
YB2C02D	Williams Social Center DRY	299	659
YB4C02	Mt. Pleasant Missionary Baptist Ch.	147	631
YB6C02	Greater Faith Temple	1607	2588
YB7C02	Yellow Bluff Health Center / Powell Residence	364	1193
YB7C092	Yellow Bluff Health Center / Powell Residence Duplicate	306	842
YBAC02	Yellow Bluff Town Hall	388	1228
YBBC02	Background Roland Cooper State Park	230	631
YBEC02	Trip Blank	300	421

QUALITY CONTROL

Continuous Monitoring

PZS checks were performed after the initial calibration, at the approximate mid-point of the study, and then again at the end of the study. The initial full-scale range of the SO₂ analyzers was set at 500 ppb as opposed to 200 ppb as indicated in the QAPP. The precision point for H₂S was lowered from 140 ppb to 70 ppb in an effort to check a precision point closer to expected concentrations. The PZS checks at both the Primary and Background sites passed within the ± 10 % acceptance criteria for both H₂S and SO₂. The results for the PZS checks can be found in the project logbooks. The raw minute data collected during the PZS checks is flagged by the letter M (maintenance) and can be found within Appendix D.

The data from the simultaneously operating sites were used to calculate the values within the report tables (i.e. the yellow cells in Appendix B were not used). The data channels for H₂S and SO₂ in the ESC 8832 at the Primary site were inadvertently configured to report two decimal places. The normal configuration for the data channel is one decimal place. The Appendix B spreadsheet and all of the tables within the body of the report represent hourly averages at the Primary site with H₂S and SO₂ values rounded to one decimal place.

A small negative drift was observed after the zero calibration (approximately -1 ppb) of the SO₂ monitor at the Primary site; however, it was still within the 5.0 ppb passing criteria established in the QAPP. There was also a slight negative drift after the zero calibration (approximately -0.4 ppb) of the H₂S monitor at the Primary site, and it was also within the 5.0 ppb passing criteria established in the QAPP. Continuous analyzers commonly experience a small amount of variability over the course of its use between calibrations. The variability was within the specified performance criteria stated in the QAPP, and no corrective action was warranted. The calculations in the Results section used all applicable logged data, but final averages with negative values were reflected in the table as "0.0" and considered as a non-detects for the specified period. This minor drift had no significant impact on the dataset. Data completeness was excellent. Out of the possible 89 hours of simultaneous instrument operation, 86 hours of valid data were collected. Three hours were used for PZS checks resulting in 96% data completeness.

Manual Sampling Methods

Quality control samples were collected throughout the study for the manual EPA methods. Duplicate samples were collected in an effort to measure total method precision. Field blanks and trip blanks were collected to monitor for possible cross contamination and the effects of field conditions on sample media. Duplicate samples were collected each day at the Primary sampling site for all three manual EPA methods. These duplicate samples were collected simultaneously to the primary samples using separate, collocated samplers. The collocated samplers were placed between one and two meters of the primary samplers. The field blanks were sample media that were placed in a collocated sampler for a 24-hour period, but no sample stream was flowed thru the sample. One field blank sample was submitted to each contract lab for both aldehyde and IO-4.2 samples. The field blanks were submitted blind to the laboratories and labeled and

documented in a manner similar to actual samples, including fabrication of flow rates that were typical for an actual sample. For VOCs, a trip blank was submitted to the SESD laboratory. The VOC trip blank was simply an evacuated canister transported to the field with the other canisters, but not opened. Data completeness was 100%.

VOCs

All of the canisters and mechanical flow controllers were cleaned before use. Flow rates thru the flow controllers were verified using a low-flow mass flow meter. The sample analysis results from the three duplicate samples were very similar, confirming the method precision was good. The analytical results from all of the VOC samples were very low, near the method detection limit, making the calculation of percent difference both problematic and unnecessary. A trip blank canister was evacuated and transported to the field, but not exposed, to check the possibility of contamination of the samples during transport and storage. Analysis of the field blank canister showed that it remained clean, confirming there were no contaminants introduced during the sampling period or analysis. Table 7 contains the VOC duplicate and trip blank analytical results. Data completeness was 100%.

Aldehydes

With the exception of Day 2, the precision for the aldehyde duplicate samples was satisfactory. The percent difference calculations can be seen in Table 12. On Day 2 the percent difference was greater than 30%, but an issue had been noted in the logbook. In order to avoid possible contamination of the sample collection media, a separate DNPH cartridge is typically used during the flow calibration process. It appears that the actual Day 2 sample media that was used to collect the sample may have had greater back pressure than the media that was used to calibrate the flow rate of the sampler, resulting in an artificially high total sample volume being reported for sample YBAA02. The analytical result of the field blank, indicated in Table 8, was very low for all three compounds as expected. Data completeness was 100%.

Table 12 – Aldehyde duplicate precision results.

Sample ID	Station	Site	Description	Formaldehyde	Acetaldehyde	Acetone
				ug/m3	ug/m3	ug/m3
YBAA01	YBA	PRIMARY	Day 1	2.03	1.09	1.46
YBAA91	YBA	PRIMARY	Day 1 Dup.	2.20	1.22	1.56
Day 1 % Difference				8.37	11.93	6.85
YBAA02	YBA	PRIMARY	Day 2	1.14	0.73	1.83
YBAA92	YBA	PRIMARY	Day 2 Dup.	1.58	1.01	2.50
Day 2 % Difference*				38.60	38.36	36.61
YBAA03	YBA	PRIMARY	Day 3	1.34	0.62	2.08
YBAA93	YBA	PRIMARY	Day 3 Dup.	1.26	0.64	2.07
Day 3 % Difference				-5.97	3.23	-0.48

* A flow issue was noticed with the primary sampler on day 2. It is likely that an artificially high sample volume was reported to the laboratory.

Reactive Gases and Particles

Overall, the precision of the duplicate IO-4.2 samples was satisfactory. The percent difference results among the duplicate samples can be seen in Table 13. The analytical result of the field blank, indicated in Table 8, was very low for all five total reactive species and PM_{2.5}. The analytical method provided results for reactive sulfur species at SO₄ as opposed to SO₂. Therefore, no direct comparison can be made between this manual method and the continuous SO₂ method. Data completeness was 100%.

Table 13 – Total reactive gases and particles duplicate precision.

Sample ID	Station	Site	Description	Total K Cations	Total Na Cations	Total NO ₃	Total SO ₄	Total NH ₄ Cations	PM _{2.5}
				ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
YBAR01	YBA	PRIMARY	Day 1	0.128	0.049	0.742	2.863	1.064	13.805
YBAR91	YBA	PRIMARY	Day 1 Dup.	0.115	0.041	0.798	3.201	1.107	14.457
Day 1 % Difference				-9.86	-15.11	7.46	11.81	4.08	4.72
YBAR02	YBA	PRIMARY	Day 2	0.166	2.354	1.094	14.325	1.134	15.127
YBAR92	YBA	PRIMARY	Day 2 Dup.	0.152	2.321	1.288	15.887	1.057	14.455
Day 2 % Difference				-8.15	-1.39	17.72	10.90	-6.85	-4.44
YBAR03	YBA	PRIMARY	Day 3	0.064	0.118	0.646	4.287	0.744	6.283
YBAR93	YBA	PRIMARY	Day 3 Dup.	0.064	0.132	0.728	4.918	0.765	7.103
Day 3 % Difference				0.58	11.70	12.60	14.71	2.79	13.04

Corrosion Classification Coupons

Since the CCCs coupons are primarily a screening tool and not an EPA approved method, no effort was made to determine or quantify any quality control indicators. While collocated coupons were used, no quality control standards exist to compare the collocation results.

CONCLUSION

Air samples were collected from the Yellow Bluff Town Hall and at a background location in the Roland Cooper State Park, in Camden, for a 4-day period in January of 2011. The overall goal of this air monitoring effort was to collect data to determine if Yellow Bluff residents were being exposed to elevated levels of airborne pollutants. An acute human risk analysis was conducted for one-hour and 24-hour concentration data of H₂S, SO₂, VOCs, and aldehydes. Additional information regarding the acute human risk analysis can be found in Appendix I.

The human health screening comparisons did not identify any instances where sampled concentrations of the monitored pollutants exceeded their respective acute screening concentrations. Acute human health effects are not expected based on the levels of pollutants that were found at these two locations. Also, the National Ambient Air Quality Standard for SO₂, a criteria pollutant, was not exceeded. To determine if there are elevated risks associated with long term chronic exposure to pollutants at these locations, long term monitoring would be required.

APPENDICES

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Appendix A - Maps of Study Area

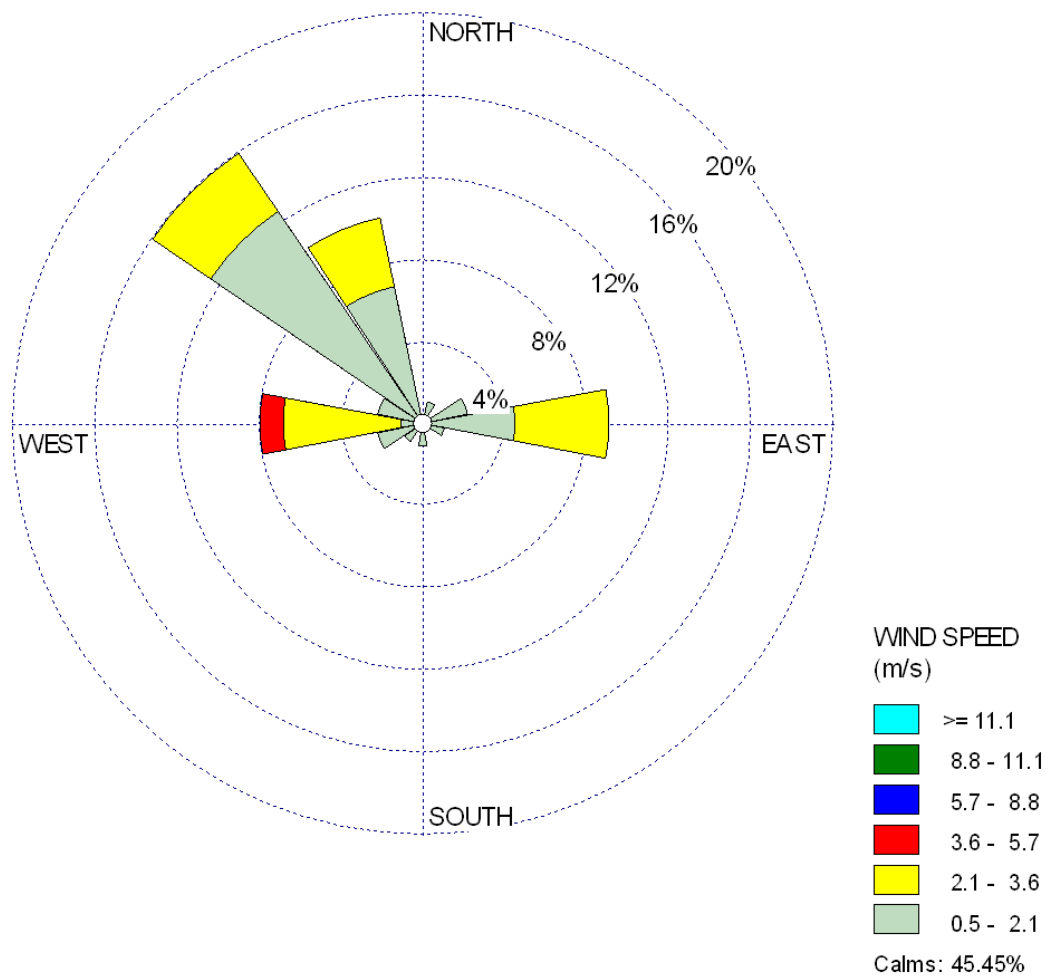
Figure 1 –Yellow Bluff Area station locations.



Figure 2 –Yellow Bluff and Background site



Figure 3 – Wind rose from Yellow Bluff Town Hall January 24-28, 2011



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***Appendix B - Comprehensive Summary of One-Hour H₂S, SO₂, and
Meteorological Data***

APPENDIX B - CONTINUOUS DATA - HOURLY AVERAGES

		PRIMARY SITE Yellow Bluff Town Hall STATION ID: YBA						BACKGROUND SITE Roland Cooper Park STATION ID: YBB		
Date	Hour	SO2 (ppb)	SO2 (ppb) Negatives corrected to 0	H2S (ppb)	H2S (ppb) Negatives corrected to 0	WD (degrees)	WS (m/s)	SO2 (ppb)	H2S (ppb)	
1/24/2011	12							M	M	S e t - u p
1/24/2011	13							0.6	0.1	
1/24/2011	14							0.6	0.1	
1/24/2011	15							0.6	0.1	
1/24/2011	16							0.5	0.1	
1/24/2011	17							0.5	0.1	
1/24/2011	18	M	M	M	M	M	M	0.4	0	
1/24/2011	19	-0.3	0.0	-0.3	0.0	111	0	0.4	0.1	M e t e o r o l o g i c a l E v e n t 1
1/24/2011	20	-0.5	0.0	-0.2	0.0	85	0	0.2	0.2	
1/24/2011	21	-0.5	0.0	-0.1	0.0	90	0	0.3	0	
1/24/2011	22	-0.4	0.0	-0.3	0.0	111	1	0.5	0.1	
1/24/2011	23	-0.5	0.0	-0.3	0.0	93	0	0.5	0.1	
1/25/2011	0	-0.8	0.0	-0.2	0.0	99	0	0.2	0.1	
1/25/2011	1	-0.9	0.0	0.2	0.2	0	0	0.1	0	
1/25/2011	2	-0.8	0.0	0.6	0.6	92	0	0	0.1	
1/25/2011	3	-0.7	0.0	-0.2	0.0	78	0	0	0.1	
1/25/2011	4	-0.8	0.0	-0.3	0.0	83	1	0.3	0.1	
1/25/2011	5	-0.3	0.0	-0.3	0.0	87	3	0.4	0	
1/25/2011	6	-0.6	0.0	-0.3	0.0	93	3	0.2	0	
1/25/2011	7	-0.7	0.0	-0.2	0.0	90	2	0	0	
1/25/2011	8	-0.9	0.0	-0.3	0.0	98	3	0	0.1	
1/25/2011	9	-0.9	0.0	-0.2	0.0	98	3	0	0	
1/25/2011	10	-0.7	0.0	-0.3	0.0	95	1	0	0.1	
1/25/2011	11	-0.8	0.0	0.0	0.0	61	0	0	0.1	
1/25/2011	12	-0.9	0.0	-0.2	0.0	86	1	0	0.1	
1/25/2011	13	-1.0	0.0	2.8	2.8	68	1	0	0.1	
1/25/2011	14	-0.7	0.0	1.6	1.6	62	0	0	0.1	
1/25/2011	15	-0.9	0.0	0.4	0.4	70	1	0	0.1	
1/25/2011	16	-0.8	0.0	2.3	2.3	54	0	0	0.1	

		PRIMARY SITE Yellow Bluff Town Hall STATION ID: YBA						BACKGROUND SITE Roland Cooper Park STATION ID: YBB		
Date	Hour	SO2 (ppb)	SO2 (ppb) Negatives corrected to 0	H2S (ppb)	H2S (ppb) Negatives corrected to 0	WD (degrees)	WS (m/s)	SO2 (ppb)	H2S (ppb)	
1/25/2011	17	-0.7	0.0	9.9	9.9	331	1	0	0.1	M e t e o r o l o g i c a l E v e n t 2
1/25/2011	18	-0.7	0.0	11.6	11.6	338	1	0	0.1	
1/25/2011	19	-0.3	0.0	10.5	10.5	323	2	0	0.1	
1/25/2011	20	1.2	1.2	7.0	7.0	324	3	0	1	
1/25/2011	21	0.1	0.1	7.4	7.4	324	1	0.1	0.3	
1/25/2011	22	0.4	0.4	7.6	7.6	332	2	0.2	0.3	
1/25/2011	23	0.4	0.4	7.2	7.2	323	2	0.3	0.3	
1/26/2011	0	1.6	1.6	4.2	4.2	312	1	0.2	0.3	
1/26/2011	1	1.5	1.5	5.3	5.3	316	2	0	0.2	
1/26/2011	2	2.8	2.8	7.5	7.5	320	3	0	0.3	
1/26/2011	3	5.1	5.1	4.3	4.3	307	2	0	0.3	
1/26/2011	4	5.1	5.1	3.9	3.9	302	2	0.1	0.2	
1/26/2011	5	1.6	1.6	9.2	9.2	328	3	0.4	0.1	
1/26/2011	6	0.4	0.4	10.3	10.3	327	3	0.5	0.1	
1/26/2011	7	0.3	0.3	10.8	10.8	328	3	0.8	0	
1/26/2011	8	0.0	0.0	15.3	15.3	328	2	0.7	0	
1/26/2011	9	-0.4	0.0	6.2	6.2	342	2	0.1	0.2	
1/26/2011	10	-0.6	0.0	6.1	6.1	14	1	3.3	0.1	
1/26/2011	11	-0.3	0.0	6.5	6.5	316	2	M	M	
1/26/2011	12	1.0	1.0	6.7	6.7	323	3	M	M	
1/26/2011	13	3.1	3.1	2.9	2.9	312	2	0	0.3	
1/26/2011	14	6.3	6.3	3.2	3.2	311	2	0	0.1	
1/26/2011	15	1.1	1.1	3.5	3.5	322	2	0.4	-0.1	
1/26/2011	16	M	M	M	M	325	2	0.5	0.1	
1/26/2011	17	M	M	M	M	328	2	0.5	0	
1/26/2011	18	M	M	M	M	359	0	0.4	0.1	
1/26/2011	19	-0.2	0.0	18.2	18.2	0	0	0.1	0	
1/26/2011	20	-0.6	0.0	8.5	8.5	0	0	0	0	
1/26/2011	21	-0.7	0.0	17.3	17.3	0	0	0	0	
1/26/2011	22	-0.9	0.0	4.1	4.1	261	0	0	0	
1/26/2011	23	-0.5	0.0	39.1	39.1	0	0	0	0	
1/27/2011	0	-0.8	0.0	11.5	11.5	0	0	0	0	
1/27/2011	1	-1.0	0.0	1.2	1.2	0	0	0	0	
1/27/2011	2	-1.0	0.0	1.3	1.3	0	0	0	0	
1/27/2011	3	-0.9	0.0	8.3	8.3	298	0	0	0	
1/27/2011	4	-0.7	0.0	17.5	17.5	99	0	0	0.1	
1/27/2011	5	-1.0	0.0	3.0	3.0	97	0	0	0.2	
1/27/2011	6	-1.1	0.0	0.3	0.3	272	0	0	0.2	
1/27/2011	7	-1.0	0.0	-0.1	0.0	92	0	0	0.3	
1/27/2011	8	-0.9	0.0	-0.2	0.0	122	0	0	0.3	
1/27/2011	9	-1.0	0.0	-0.3	0.0	163	0	0	0.5	

		PRIMARY SITE Yellow Bluff Town Hall STATION ID: YBA						BACKGROUND SITE Roland Cooper Park STATION ID: YBB		
Date	Hour	SO2 (ppb)	SO2 (ppb) Negatives corrected to 0	H2S (ppb)	H2S (ppb) Negatives corrected to 0	WD (degrees)	WS (m/s)	SO2 (ppb)	H2S (ppb)	
1/27/2011	10	-0.7	0.0	-0.3	0.0	172	1	0.5	0.7	M e t e o r o l o g i c a l E v e n t 3
1/27/2011	11	-0.7	0.0	-0.3	0.0	243	2	3.1	0.5	
1/27/2011	12	0.0	0.0	-0.3	0.0	265	3	2	0.1	
1/27/2011	13	1.8	1.8	-0.2	0.0	275	3	3.2	0.1	
1/27/2011	14	1.2	1.2	-0.3	0.0	272	3	3.7	0	
1/27/2011	15	1.1	1.1	-0.2	0.0	267	4	3.8	0.3	
1/27/2011	16	0.8	0.8	-0.2	0.0	280	3	2.9	0.2	
1/27/2011	17	0.6	0.6	-0.3	0.0	264	2	2.2	0.3	
1/27/2011	18	0.3	0.3	-0.4	0.0	203	0	1.3	0.1	
1/27/2011	19	0.2	0.2	-0.3	0.0	210	0	1	0.1	
1/27/2011	20	0.1	0.1	-0.2	0.0	242	0	1.2	0.1	
1/27/2011	21	0.3	0.3	-0.1	0.0	234	1	1.3	0.2	
1/27/2011	22	-0.1	0.0	-0.1	0.0	217	0	1.6	0.2	
1/27/2011	23	-0.1	0.0	0.0	0.0	223	0	2.5	0.4	
1/28/2011	0	-0.1	0.0	0.2	0.2	164	0	2.6	0.6	
1/28/2011	1	-0.1	0.0	0.2	0.2	124	0	2.5	0.6	
1/28/2011	2	-0.6	0.0	0.0	0.0	155	0	2.5	0.7	
1/28/2011	3	-0.7	0.0	0.1	0.1	139	0	2.5	0.7	
1/28/2011	4	-0.9	0.0	0.0	0.0	103	0	2.3	0.8	
1/28/2011	5	-0.9	0.0	0.1	0.1	110	0	2.2	0.7	
1/28/2011	6	-0.9	0.0	0.3	0.3	114	0	2.1	0.8	
1/28/2011	7	-0.7	0.0	0.5	0.5	130	0	1.9	0.8	
1/28/2011	8	-0.7	0.0	0.7	0.7	151	0	1.6	0.9	
1/28/2011	9	-0.3	0.0	0.5	0.5	233	0	M	M	T a k e - D o w n
1/28/2011	10	0.5	0.5	0.1	0.1	258	2			
1/28/2011	11	0.9	0.9	-0.1	0.0	275	3			
1/28/2011	12	1.0	1.0	-0.2	0.0	284	2			
1/28/2011	13	M	M	M	M	M	M			
1/28/2011	14	M	M	M	M	M	M			
1/28/2011	15									

M = datalogger in maintenance mode.

Appendix C - Raw One-Hour Data from Data Loggers

Current Date : 03/21/11
Current Time : 11:48

SESD Project # 11-0068

Daily Parameter Report - Hourly Averages
Agilaire LLC
01/24/11

Logger Name : PRIMARY
Logger Id : 01
Parameter : SO2
Units : PPB

Hour	Average
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	D
16	M
17	M
18	M
19	-.32 M
20	-.46
21	-.46
22	-.39
23	-.48
Max	-.32
Min	-.48
Mean	-.42
Hours	05

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
Change,
'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/25/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : SO2

Units : PPB

Hour	Average
00	-.76
01	-.87
02	-.77
03	-.67
04	-.77
05	-.32
06	-.55
07	-.72
08	-.85
09	-.92
10	-.65
11	-.75
12	-.89
13	-.97
14	-.71
15	-.85
16	-.81
17	-.67
18	-.71
19	-.32
20	1.22
21	.12
22	.38
23	.35
Max	1.22
Min	-.97
Mean	-.51
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/26/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : SO2

Units : PPB

Hour	Average
00	1.55
01	1.45
02	2.77
03	5.07
04	5.11
05	1.60
06	.42
07	.33
08	.00
09	-.44
10	-.59
11	-.30
12	1.01
13	3.06
14	6.28
15	1.13
16	M
17	M
18	M
19	-.19
20	-.59
21	-.68
22	-.87
23	-.54
Max	6.28
Min	-.87
Mean	1.21
Hours	21

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/27/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : SO2

Units : PPB

Hour	Average
00	-.80
01	-.98
02	-.95
03	-.86
04	-.73
05	-.96
06	-1.06
07	-.99
08	-.91
09	-1.00
10	-.68
11	-.65
12	.00
13	1.80
14	1.19
15	1.08
16	.81
17	.58
18	.30
19	.19
20	.14
21	.31
22	-.05
23	-.10
Max	1.80
Min	-1.06
Mean	-.18
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/28/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : SO2

Units : PPB

Hour	Average
00	-.07
01	-.12
02	-.59
03	-.70
04	-.87
05	-.85
06	-.92
07	-.72
08	-.66
09	-.27
10	.53
11	.89
12	.95
13	M
14	M
15	
16	
17	
18	
19	
20	
21	
22	
23	
Max	.95
Min	-.92
Mean	-.26
Hours	13

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/24/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : H2S

Units : PPB

Hour	Average
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	D
16	M
17	M
18	M
19	-.33 M
20	-.24
21	-.13
22	-.28
23	-.28
Max	-.13
Min	-.33
Mean	-.25
Hours	05

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/25/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : H2S

Units : PPB

Hour	Average
00	-.22
01	.19
02	.60
03	-.18
04	-.28
05	-.26
06	-.31
07	-.22
08	-.30
09	-.20
10	-.26
11	.02
12	-.15
13	2.81
14	1.60
15	.40
16	2.33
17	9.91
18	11.63
19	10.52
20	7.03
21	7.38
22	7.57
23	7.16
Max	11.63
Min	-.31
Mean	2.78
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/26/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : H2S

Units : PPB

Hour	Average
00	4.21
01	5.27
02	7.50
03	4.31
04	3.89
05	9.19
06	10.25
07	10.75
08	15.28
09	6.20
10	6.11
11	6.53
12	6.70
13	2.85
14	3.22
15	3.51
16	M
17	M
18	M
19	18.18
20	8.54
21	17.25
22	4.09
23	39.11
Max	39.11
Min	2.85
Mean	9.18
Hours	21

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/27/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : H2S

Units : PPB

Hour	Average
00	11.45
01	1.22
02	1.25
03	8.34
04	17.48
05	2.98
06	.32
07	-.07
08	-.17
09	-.28
10	-.28
11	-.29
12	-.26
13	-.23
14	-.25
15	-.20
16	-.24
17	-.29
18	-.35
19	-.26
20	-.15
21	-.14
22	-.12
23	.00
Max	17.48
Min	-.35
Mean	1.64
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/28/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : H2S

Units : PPB

Hour	Average
00	.17
01	.24
02	.03
03	.13
04	.01
05	.05
06	.26
07	.50
08	.66
09	.51
10	.11
11	-.05
12	-.16
13	M
14	M
15	
16	
17	
18	
19	
20	
21	
22	
23	
Max	.66
Min	-.16
Mean	.18
Hours	13

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/24/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WD

Units : DEG

Hour	Average
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	D
16	M
17	M
18	M
19	111 M
20	85
21	90
22	111
23	93
Max	111
Min	85
Mean	111
Hours	05

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/25/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WD

Units : DEG

Hour	Average
00	99
01	0
02	92
03	78
04	83
05	87
06	93
07	90
08	98
09	98
10	95
11	61
12	86
13	68
14	62
15	70
16	54
17	331
18	338
19	323
20	324
21	324
22	332
23	323
Max	338
Min	0
Mean	50
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/26/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WD

Units : DEG

Hour	Average
00	312
01	316
02	320
03	307
04	302
05	328
06	327
07	328
08	328
09	342
10	14
11	316
12	323
13	312
14	311
15	322
16	325
17	328
18	359
19	0
20	0
21	0
22	261
23	0
Max	359
Min	0
Mean	322
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/27/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WD

Units : DEG

Hour	Average
00	0
01	0
02	0
03	298
04	99
05	97
06	272
07	92
08	122
09	163
10	172
11	243
12	265
13	275
14	272
15	267
16	280
17	264
18	203
19	210
20	242
21	234
22	217
23	223
Max	298
Min	0
Mean	263
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/28/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WD

Units : DEG

Hour	Average
00	164
01	124
02	155
03	139
04	103
05	110
06	114
07	130
08	151
09	233
10	258
11	275
12	284
13	M
14	M
15	
16	
17	
18	
19	
20	
21	
22	
23	
Max	284
Min	103
Mean	272
Hours	13

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/24/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WS

Units : M/S

Hour	Average
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	D
16	M
17	M
18	M
19	0 M
20	0
21	0
22	1
23	0
Max	1
Min	0
Mean	0
Hours	05

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/25/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WS

Units : M/S

Hour	Average
00	0
01	0
02	0
03	0
04	1
05	3
06	3
07	2
08	3
09	3
10	1
11	0
12	1
13	1
14	0
15	1
16	0
17	1
18	1
19	2
20	3
21	1
22	2
23	2
Max	3
Min	0
Mean	0
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/26/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WS

Units : M/S

Hour	Average
00	1
01	2
02	3
03	2
04	2
05	3
06	3
07	3
08	2
09	2
10	1
11	2
12	3
13	2
14	2
15	2
16	2
17	2
18	0
19	0
20	0
21	0
22	0
23	0
Max	3
Min	0
Mean	1
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/27/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WS

Units : M/S

Hour	Average
00	0
01	0
02	0
03	0
04	0
05	0
06	0
07	0
08	0
09	0
10	1
11	2
12	3
13	3
14	3
15	4
16	3
17	2
18	0
19	0
20	0
21	1
22	0
23	0
Max	4
Min	0
Mean	0
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/28/11

Logger Name : PRIMARY

Logger Id : 01

Parameter : WS

Units : M/S

Hour	Average
00	0
01	0
02	0
03	0
04	0
05	0
06	0
07	0
08	0
09	0
10	2
11	3
12	2
13	M
14	M
15	
16	
17	
18	
19	
20	
21	
22	
23	
Max	3
Min	0
Mean	0
Hours	13

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/24/11

Logger Name : BKGD

Logger Id : 02

Parameter : SO2

Units : PPB

Hour	Average
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	D
10	M
11	M
12	M
13	.6 M
14	.6
15	.6
16	.5
17	.5
18	.4
19	.4
20	.2
21	.3
22	.5
23	.5
Max	.6
Min	.2
Mean	.4
Hours	11

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/25/11

Logger Name : BKGD

Logger Id : 02

Parameter : SO2

Units : PPB

Hour	Average
00	.2
01	.1
02	.0
03	.0
04	.3
05	.4
06	.2
07	.0
08	.0
09	.0
10	.0
11	.0
12	.0
13	.0
14	.0
15	.0
16	.0
17	.0
18	.0
19	.0
20	.0
21	.1
22	.2
23	.3
Max	.4
Min	.0
Mean	.0
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/26/11

Logger Name : BKGD

Logger Id : 02

Parameter : SO2

Units : PPB

Hour	Average
00	.2
01	.0
02	.0
03	.0
04	.1
05	.4
06	.5
07	.8
08	.7
09	.1
10	3.3 M
11	M
12	M
13	.0
14	.0
15	.4
16	.5
17	.5
18	.4
19	.1
20	.0
21	.0
22	.0
23	.0
Max	3.3
Min	.0
Mean	.3
Hours	22

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/27/11

Logger Name : BKGD

Logger Id : 02

Parameter : SO2

Units : PPB

Hour	Average
00	.0
01	.0
02	.0
03	.0
04	.0
05	.0
06	.0
07	.0
08	.0
09	.0
10	.5
11	3.1
12	2.0
13	3.2
14	3.7
15	3.8
16	2.9
17	2.2
18	1.3
19	1.0
20	1.2
21	1.3
22	1.6
23	2.5
Max	3.8
Min	.0
Mean	1.2
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/28/11

Logger Name : BKGD

Logger Id : 02

Parameter : SO2

Units : PPB

Hour	Average
00	2.6
01	2.5
02	2.5
03	2.5
04	2.3
05	2.2
06	2.1
07	1.9
08	1.6
09	M
10	M
11	M
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
Max	2.6
Min	1.6
Mean	2.2
Hours	09

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/24/11

Logger Name : BKGD

Logger Id : 02

Parameter : H2S

Units : PPB

Hour	Average
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	D
10	M
11	M
12	M
13	.1 M
14	.1
15	.1
16	.1
17	.1
18	.0
19	.1
20	.2
21	.0
22	.1
23	.1
Max	.2
Min	.0
Mean	.0
Hours	11

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/25/11

Logger Name : BKGD

Logger Id : 02

Parameter : H2S

Units : PPB

Hour	Average
00	.1
01	.0
02	.1
03	.1
04	.1
05	.0
06	.0
07	.0
08	.1
09	.0
10	.1
11	.1
12	.1
13	.1
14	.1
15	.1
16	.1
17	.1
18	.1
19	.1
20	1.0
21	.3
22	.3
23	.3
Max	1.0
Min	.0
Mean	.1
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/26/11

Logger Name : BKGD

Logger Id : 02

Parameter : H2S

Units : PPB

Hour	Average
00	.3
01	.2
02	.3
03	.3
04	.2
05	.1
06	.1
07	.0
08	.0
09	.2
10	.1 M
11	M
12	M
13	.3
14	.1
15	-.1
16	.1
17	.0
18	.1
19	.0
20	.0
21	.0
22	.0
23	.0
Max	.3
Min	-.1
Mean	.1
Hours	22

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/27/11

Logger Name : BKGD

Logger Id : 02

Parameter : H2S

Units : PPB

Hour	Average
00	.0
01	.0
02	.0
03	.0
04	.1
05	.2
06	.2
07	.3
08	.3
09	.5
10	.7
11	.5
12	.1
13	.1
14	.0
15	.3
16	.2
17	.3
18	.1
19	.1
20	.1
21	.2
22	.2
23	.4
Max	.7
Min	.0
Mean	.2
Hours	24

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 03/21/11

Current Time : 11:48

Daily Parameter Report - Hourly Averages
 Agilaire LLC
 01/28/11

Logger Name : BKGD

Logger Id : 02

Parameter : H2S

Units : PPB

Hour	Average
00	.6
01	.6
02	.7
03	.7
04	.8
05	.7
06	.8
07	.8
08	.9
09	M
10	M
11	M
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
Max	.9
Min	.6
Mean	.7
Hours	09

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of
 Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Appendix D - Raw One-Minute SO₂ and H₂S Data from Data Loggers

Current Date : 05/27/11

Current Time : 11:15

Daily Parameter Report - Minute Averages
Agilaire LLC

Logger Name : PRIMARY

Logger Id : 01

Parameter : S02

Units : PPB

Date	Time 001M	00	01	02	03	04	Minute 05	06	07	08	09
01/24/11	15:00										
01/24/11	15:10										
01/24/11	15:20				D	M	M	M	M	M	M
01/24/11	15:30	M	M	M	M	M	M	M	M	M	M
01/24/11	15:40	M	M	M	M	M	M	M	M	M	M
01/24/11	15:50	M	M	M	M	M	M	M	M	M	M
01/24/11	16:00	M	M	M	M	M	M	M	M	M	M
01/24/11	16:10	M	M	M	M	M	M	M	M	M	M
01/24/11	16:20	M	M	M	M	M	M	M	M	M	M
01/24/11	16:30	M	M	M	M	M	M	M	M	M	M
01/24/11	16:40	M	M	M	M	M	M	M	M	M	M
01/24/11	16:50	M	M	M	M	M	M	M	M	M	M
01/24/11	17:00	M	M	M	M	M	M	M	M	M	M
01/24/11	17:10	M	M	M	M	M	M	M	M	M	M
01/24/11	17:20	M	M	M	M	M	M	M	M	M	M
01/24/11	17:30	M	M	M	M	M	M	M	M	M	M
01/24/11	17:40	M	M	M	M	M	M	M	M	M	M
01/24/11	17:50	M	M	M	M	M	M	M	M	M	M
01/24/11	18:00	M	M	M	M	M	M	M	M	M	M
01/24/11	18:10	M	M	M	M	M	M	M	M	M	M
01/24/11	18:20	M	M	M	M	M	M	M	M	M	M
01/24/11	18:30	M	M	M	M	M	M	M	M	M	M
01/24/11	18:40	M	M	M	M	M	M	M	M	M	M
01/24/11	18:50	M	M	M	M	M	M	M	M	M	M
01/24/11	19:00	M	M	M	M	M	M	M	M	M	M
01/24/11	19:10	M	M	-.07	-.07	-.39	-.58	-.58	-.58	-.27	-.07
01/24/11	19:20	-.39	-.58	-.27	-.07	-.08	-.07	-.08	-.08	-.08	-.08
01/24/11	19:30	-.08	-.08	-.08	-.40	-.58	-.58	-.58	-.58	-.58	-.58
01/24/11	19:40	-.58	-.27	-.08	-.09	-.08	-.08	-.07	-.08	-.07	-.07
01/24/11	19:50	-.07	-.41	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/24/11	20:00	-.58	-.58	-.58	-.58	-.58	-.58	-.25	-.08	-.09	-.08
01/24/11	20:10	-.09	-.42	-.58	-.58	-.58	-.58	-.58	-.58	-.25	-.41
01/24/11	20:20	-.59	-.58	-.25	-.07	-.07	-.41	-.58	-.58	-.24	-.42

01/24/11	20:30	-.58	-.58	-.24	-.42	-.58	-.58	-.58	-.58	-.58	-.58
01/24/11	20:40	-.58	-.58	-.24	-.09	-.42	-.58	-.58	-.58	-.25	-.08
01/24/11	20:50	-.58	-.58	-.58	-.59	-.58	-.59	-.58	-.59	-.58	-.59
01/24/11	21:00	-.58	-.59	-.58	-.23	-.08	-.08	-.43	-.23	-.07	-.07
01/24/11	21:10	-.44	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/24/11	21:20	-.23	-.44	-.59	-.58	-.23	-.08	-.45	-.58	-.59	-.58
01/24/11	21:30	-.59	-.58	-.59	-.58	-.58	-.58	-.59	-.58	-.58	-.58
01/24/11	21:40	-.58	-.58	-.58	-.58	-.21	-.45	-.58	-.58	-.58	-.59
01/24/11	21:50	-.58	-.59	-.58	-.20	-.07	-.07	-.07	-.08	-.45	-.58
01/24/11	22:00	-.58	-.58	-.21	-.46	-.58	-.21	-.08	-.08	-.47	-.58
01/24/11	22:10	-.58	-.58	-.58	-.59	-.58	-.58	-.58	-.58	-.59	-.20
01/24/11	22:20	-.09	-.08	-.47	-.58	-.59	-.58	-.59	-.58	-.19	-.47
01/24/11	22:30	-.59	-.58	-.59	-.58	-.19	-.08	-.08	-.47	-.58	-.58
01/24/11	22:40	-.58	-.18	-.08	-.08	-.08	-.07	-.07	-.08	-.08	-.08
01/24/11	22:50	-.08	-.48	-.58	-.58	-.58	-.58	-.18	-.08	-.48	-.58
01/24/11	23:00	-.58	-.18	-.08	-.08	-.07	-.08	-.08	-.08	-.08	-.49
01/24/11	23:10	-.58	-.58	-.58	-.58	-.58	-.58	-.17	-.49	-.58	-.58
01/24/11	23:20	-.58	-.58	-.58	-.58	-.58	-.16	-.09	-.50	-.59	-.58
01/24/11	23:30	-.58	-.58	-.59	-.58	-.59	-.58	-.59	-.58	-.59	-.59
01/24/11	23:40	-.58	-.59	-.58	-.59	-.59	-.59	-.16	-.51	-.58	-.59
01/24/11	23:50	-.58	-.59	-.58	-.59	-.58	-.59	-.58	-.59	-.58	-.59
01/25/11	00:00	-.58	-.59	-.58	-.59	-.58	-.59	-1.01	-1.08	-1.08	-1.08
01/25/11	00:10	-1.08	-.65	-.58	-.59	-.58	-.59	-.59	-.59	-.58	-.58
01/25/11	00:20	-.59	-.58	-1.02	-1.08	-1.08	-1.08	-1.08	-.64	-.58	-.58
01/25/11	00:30	-.59	-.58	-.58	-.58	-.59	-.58	-1.02	-.64	-.58	-.58
01/25/11	00:40	-.58	-.58	-.58	-.58	-1.03	-.63	-.58	-.58	-1.03	-1.09
01/25/11	00:50	-1.08	-1.08	-1.08	-.63	-.58	-.58	-1.03	-1.09	-1.08	-1.09
01/25/11	01:00	-1.09	-1.09	-.63	-1.05	-1.08	-1.09	-.63	-1.05	-1.09	-1.09
01/25/11	01:10	-1.09	-.63	-.58	-.59	-.58	-.58	-.58	-.58	-1.05	-1.09
01/25/11	01:20	-1.09	-1.09	-1.09	-.62	-.58	-1.06	-1.09	-1.09	-1.09	-1.09
01/25/11	01:30	-1.09	-1.09	-.62	-.59	-1.06	-1.09	-.63	-.59	-1.06	-1.09
01/25/11	01:40	-1.09	-.61	-.59	-.59	-1.07	-.61	-.59	-.59	-.59	-1.07
01/25/11	01:50	-1.09	-.61	-.59	-1.07	-1.09	-1.09	-.61	-.59	-1.06	-1.09
01/25/11	02:00	-1.08	-1.08	-1.08	-1.08	-.60	-.59	-.58	-1.07	-1.09	-1.08
01/25/11	02:10	-.60	-.59	-.58	-.59	-.59	-1.07	-1.08	-.60	-.58	-.59
01/25/11	02:20	-.59	-.58	-.59	-.59	-.59	-.59	-.59	-.58	-.59	-.58
01/25/11	02:30	-.59	-.58	-.59	-.59	-1.07	-1.09	-1.08	-.59	-.59	-1.08
01/25/11	02:40	-1.08	-1.08	-1.08	-.58	-.58	-1.08	-1.08	-1.09	-1.08	-1.08
01/25/11	02:50	-.58	-.58	-.58	-.59	-1.08	-.58	-.58	-.58	-.58	-.59
01/25/11	03:00	-.58	-.59	-1.08	-1.08	-1.08	-1.07	-.58	-.59	-1.07	-.58
01/25/11	03:10	-.58	-.59	-1.07	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/25/11	03:20	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.60
01/25/11	03:30	-1.09	-1.09	-1.08	-.59	-.59	-.58	-.59	-.59	-.59	-.59

01/25/11	03:40	-.59	-.59	-.58	-.59	-.59	-.59	-.59	-.58	-.59	-.59
01/25/11	03:50	-.59	-.61	-1.07	-.59	-.59	-.59	-.59	-.59	-.59	-.63
01/25/11	04:00	-1.08	-1.09	-1.09	-1.06	-.62	-1.09	-1.09	-1.06	-.59	-.62
01/25/11	04:10	-1.06	-.59	-.59	-.62	-1.09	-1.09	-1.09	-1.05	-.59	-.59
01/25/11	04:20	-.59	-.59	-.58	-.63	-1.08	-1.04	-.63	-1.08	-1.08	-1.08
01/25/11	04:30	-1.08	-1.08	-1.04	-.58	-.59	-.59	-.59	-.58	-.59	-.63
01/25/11	04:40	-1.03	-.58	-.59	-.58	-.58	-.58	-.58	-.58	-.59	-.58
01/25/11	04:50	-.58	-.63	-1.03	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/25/11	05:00	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.59	-.58	-.59
01/25/11	05:10	-.58	-.59	-.58	-.59	-.59	-.59	-.59	-.59	-.58	-.59
01/25/11	05:20	-.59	-.59	-.59	-.53	-.09	-.09	-.09	-.09	-.09	-.09
01/25/11	05:30	-.09	-.08	-.08	-.08	-.09	-.08	-.08	-.09	-.09	-.08
01/25/11	05:40	-.09	-.09	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08
01/25/11	05:50	-.08	-.08	-.08	-.08	-.08	-.16	-.58	-.58	-.58	-.58
01/25/11	06:00	-.58	-.59	-.58	-.50	-.08	-.08	-.08	-.17	-.58	-.58
01/25/11	06:10	-.58	-.49	-.17	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/25/11	06:20	-.58	-.58	-.59	-.59	-.59	-.59	-.59	-.58	-.58	-.59
01/25/11	06:30	-.59	-.48	-.19	-.58	-.59	-.59	-.59	-.59	-.59	-.59
01/25/11	06:40	-.59	-.59	-.59	-.59	-.60	-.59	-.59	-.59	-.59	-.59
01/25/11	06:50	-.59	-.59	-.70	-1.09	-.98	-.59	-.59	-.59	-.59	-.59
01/25/11	07:00	-.59	-.59	-.59	-.60	-.59	-.70	-1.09	-.98	-.59	-.60
01/25/11	07:10	-.59	-.60	-.59	-.71	-.97	-.59	-.59	-.59	-.59	-.59
01/25/11	07:20	-.59	-.71	-1.09	-1.08	-1.08	-.97	-.58	-.59	-.71	-1.08
01/25/11	07:30	-1.08	-1.08	-.96	-.59	-.58	-.58	-.59	-.58	-.59	-.58
01/25/11	07:40	-.59	-.58	-.59	-.58	-.59	-.58	-.59	-.58	-.59	-.72
01/25/11	07:50	-1.08	-1.08	-1.09	-.95	-.58	-.58	-.58	-.58	-.72	-1.09
01/25/11	08:00	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-.95	-.59	-.58	-.73
01/25/11	08:10	-1.08	-1.09	-.95	-.58	-.58	-.73	-1.09	-1.09	-1.08	-1.09
01/25/11	08:20	-1.08	-.95	-.73	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/25/11	08:30	-1.09	-.94	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/25/11	08:40	-.58	-.58	-.58	-.74	-1.09	-.93	-.75	-1.09	-.93	-.59
01/25/11	08:50	-.59	-.59	-.59	-.59	-.59	-.75	-1.09	-.93	-.75	-1.09
01/25/11	09:00	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-.92	-.60
01/25/11	09:10	-.59	-.59	-.75	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/25/11	09:20	-1.09	-1.09	-.92	-.59	-.76	-1.09	-1.09	-1.09	-1.09	-1.08
01/25/11	09:30	-.92	-.59	-.59	-.59	-.76	-1.09	-1.09	-.91	-.59	-.76
01/25/11	09:40	-1.09	-1.08	-1.08	-1.08	-1.08	-.90	-.59	-.77	-.91	-.58
01/25/11	09:50	-.59	-.76	-.90	-.59	-.77	-1.09	-1.09	-1.08	-.91	-.58
01/25/11	10:00	-.59	-.77	-.90	-.58	-.58	-.59	-.58	-.59	-.59	-.77
01/25/11	10:10	-.89	-.59	-.59	-.78	-.89	-.59	-.59	-.60	-.59	-.60
01/25/11	10:20	-.59	-.78	-.89	-.59	-.59	-.59	-.58	-.59	-.59	-.59
01/25/11	10:30	-.59	-.59	-.78	-1.08	-.89	-.58	-.59	-.58	-.59	-.78
01/25/11	10:40	-.88	-.58	-.59	-.58	-.59	-.58	-.59	-.59	-.59	-.79
01/25/11	10:50	-.88	-.58	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.58
01/25/11	11:00	-.58	-.59	-.80	-1.08	-1.08	-.87	-.59	-.58	-.80	-1.08

01/25/11	11:10	-1.08	-.87	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59
01/25/11	11:20	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.81
01/25/11	11:30	-1.08	-1.08	-.87	-.59	-.59	-.59	-.59	-.59	-.60	-.59
01/25/11	11:40	-.59	-.82	-1.08	-.85	-.83	-1.09	-1.09	-1.09	-1.08	-.85
01/25/11	11:50	-.59	-.59	-.59	-.59	-.59	-.59	-.83	-1.09	-1.09	-1.09
01/25/11	12:00	-1.09	-1.09	-.85	-.59	-.84	-1.09	-1.09	-.85	-.59	-.59
01/25/11	12:10	-.59	-.59	-.83	-1.08	-1.08	-.84	-.59	-.59	-.58	-.84
01/25/11	12:20	-1.08	-1.09	-.83	-.59	-.59	-.84	-1.08	-1.09	-1.08	-1.09
01/25/11	12:30	-1.08	-.84	-.84	-1.09	-1.09	-1.09	-1.08	-1.08	-1.08	-1.08
01/25/11	12:40	-.83	-.58	-.58	-.84	-1.08	-1.09	-1.08	-1.08	-1.09	-.83
01/25/11	12:50	-.59	-.58	-.85	-1.08	-1.08	-.82	-.59	-.85	-1.09	-.82
01/25/11	13:00	-.85	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.09	-1.09
01/25/11	13:10	-1.09	-1.08	-1.08	-1.08	-.82	-.59	-.86	-1.08	-1.08	-1.09
01/25/11	13:20	-1.09	-1.09	-1.08	-.81	-.58	-.59	-.86	-1.08	-1.08	-1.08
01/25/11	13:30	-1.08	-1.08	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/25/11	13:40	-.81	-.59	-.59	-.59	-.60	-.87	-1.08	-1.08	-1.08	-1.08
01/25/11	13:50	-1.09	-1.09	-1.08	-.80	-.59	-.59	-.88	-1.09	-1.09	-1.09
01/25/11	14:00	-1.09	-.79	-.59	-.59	-.88	-1.09	-1.09	-.80	-.59	-.59
01/25/11	14:10	-.59	-.89	-.80	-.60	-.59	-.59	-.59	-.59	-.59	-.59
01/25/11	14:20	-.59	-.89	-.79	-.60	-.59	-.90	-.79	-.60	-.59	-.60
01/25/11	14:30	-.59	-.60	-.59	-.59	-.59	-.60	-.59	-.59	-.59	-.60
01/25/11	14:40	-.59	-.59	-.59	-.90	-1.09	-.78	-.90	-1.09	-.79	-.59
01/25/11	14:50	-.59	-.59	-.90	-1.09	-.78	-.59	-.59	-.59	-.59	-.91
01/25/11	15:00	-1.09	-.77	-.60	-.59	-.59	-.59	-.59	-.59	-.59	-.91
01/25/11	15:10	-1.09	-1.09	-.77	-.59	-.92	-1.09	-1.09	-1.09	-1.09	-1.09
01/25/11	15:20	-1.09	-1.09	-1.09	-1.09	-.76	-.59	-.59	-.59	-.58	-.59
01/25/11	15:30	-.59	-.59	-.59	-.59	-.59	-.93	-1.09	-.76	-.58	-.93
01/25/11	15:40	-.75	-.59	-.92	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/25/11	15:50	-1.09	-1.09	-1.09	-.75	-.94	-1.09	-1.09	-.75	-.59	-.59
01/25/11	16:00	-.93	-1.09	-1.09	-.75	-.93	-1.09	-.75	-.59	-.59	-.59
01/25/11	16:10	-.59	-.94	-.74	-.59	-.59	-.94	-1.09	-1.09	-.74	-.59
01/25/11	16:20	-.59	-.59	-.59	-.59	-.59	-.94	-.74	-.59	-.59	-.59
01/25/11	16:30	-.59	-.59	-.59	-.60	-.95	-1.09	-1.09	-1.09	-1.09	-1.09
01/25/11	16:40	-.73	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.95
01/25/11	16:50	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-.72
01/25/11	17:00	-.59	-.58	-.59	-.58	-.96	-1.09	-1.09	-.72	-.58	-.58
01/25/11	17:10	-.58	-.58	-.58	-.58	-.59	-.58	-.58	-.58	-.96	-1.09
01/25/11	17:20	-1.09	-.71	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/25/11	17:30	-.58	-.97	-.70	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/25/11	17:40	-.58	-.59	-.58	-.58	-.58	-.58	-.58	-.97	-1.08	-1.08
01/25/11	17:50	-.69	-.58	-.59	-.59	-.59	-.59	-.60	-.59	-.59	-.59
01/25/11	18:00	-.98	-1.09	-1.09	-1.09	-1.09	-.70	-.59	-.59	-.59	-.59
01/25/11	18:10	-.99	-1.09	-1.09	-1.09	-1.09	-.68	-.58	-.59	-.99	-1.09
01/25/11	18:20	-1.09	-1.09	-.69	-.59	-.59	-.59	-.59	-.59	-.58	-.60
01/25/11	18:30	-.59	-.59	-.59	-.59	-.59	-.59	-.58	-.58	-.58	-.58

01/25/11	18:40	-.58	-.58	-.58	-.59	-.59	-.59	-.58	-.58	-.58	-.58
01/25/11	18:50	-.58	-.59	-.59	-1.01	-.68	-.59	-.60	-.59	-.59	-.59
01/25/11	19:00	-.59	-.59	-.60	-.59	-.60	-.59	-.59	-.59	-.60	-.59
01/25/11	19:10	-.59	-.59	-.59	-.59	-.58	-.59	-.59	-.59	-.59	-.58
01/25/11	19:20	-1.01	-1.09	-1.09	-.66	-.59	-.58	-.58	-.58	-.58	-.16
01/25/11	19:30	-.08	-.08	-.52	-.58	-.15	.34	-.01	-.09	-.08	-.09
01/25/11	19:40	-.08	-.52	-.59	-.16	-.52	-.59	-.59	-.15	-.09	-.09
01/25/11	19:50	-.09	-.09	-.09	-.53	-.15	.35	-.03	-.53	1.61	3.65
01/25/11	20:00	5.66	7.67	4.80	.87	.40	.41	.40	.41	.41	-.04
01/25/11	20:10	.36	.41	-.03	-.08	.35	.41	.41	.41	.41	.41
01/25/11	20:20	.87	.92	.92	.92	.91	.92	.92	.92	1.84	2.81
01/25/11	20:30	2.43	1.96	1.46	.95	.92	.45	.87	.92	.92	.92
01/25/11	20:40	.92	.91	.92	.44	.41	.41	1.34	1.88	1.45	.47
01/25/11	20:50	1.35	1.88	1.91	1.91	1.91	1.44	1.41	1.41	1.41	1.41
01/25/11	21:00	.93	.44	.41	.41	.40	.41	.41	.41	.40	.41
01/25/11	21:10	.41	.41	-.06	-.09	-.08	-.08	-.08	-.08	-.08	-.08
01/25/11	21:20	-.08	-.08	-.08	-.08	-.08	-.08	-.57	-.58	-.59	-.10
01/25/11	21:30	-.08	-.08	-.08	-.08	-.08	-.08	-.08	.39	-.06	-.08
01/25/11	21:40	.39	.91	.42	.41	.41	.41	.41	-.08	.40	.41
01/25/11	21:50	-.08	-.09	-.09	.40	.41	.41	.41	-.08	-.09	-.08
01/25/11	22:00	-.09	-.09	-.09	.41	.41	.41	.41	.41	.41	.41
01/25/11	22:10	.41	-.09	.40	.41	.40	.41	.41	.91	.90	.42
01/25/11	22:20	.90	.90	.90	.42	.90	.91	.91	.90	.41	.41
01/25/11	22:30	.40	.41	.41	.40	.41	.40	.40	-.07	.41	.40
01/25/11	22:40	.41	.40	.41	.41	.43	.92	.92	.90	.40	-.09
01/25/11	22:50	-.08	-.09	-.10	-.57	-.08	-.08	-.06	.41	.39	-.05
01/25/11	23:00	.41	.41	.41	.38	-.08	-.08	-.09	-.06	.41	.41
01/25/11	23:10	.41	.41	.41	.41	.43	.89	.41	.41	.37	-.09
01/25/11	23:20	-.06	.41	.41	.41	.41	.41	.37	-.09	-.06	.41
01/25/11	23:30	.44	.87	.41	.41	.41	.41	.41	.40	.41	.40
01/25/11	23:40	.37	-.05	.41	.41	.41	.40	.41	.36	-.09	-.04
01/25/11	23:50	.45	.86	.41	.41	.41	.41	.46	.86	.41	.41
01/26/11	00:00	.46	.86	.41	.41	.46	.86	.36	-.03	.45	.91
01/26/11	00:10	.86	.41	.41	.37	-.08	-.08	-.08	-.08	-.02	.36
01/26/11	00:20	-.08	-.02	.41	.41	.47	.92	.92	.86	.35	-.02
01/26/11	00:30	.47	.92	.92	1.50	6.43	9.80	5.31	1.35	.85	.41
01/26/11	00:40	.41	.41	.41	.48	.98	1.34	.85	.34	-.08	-.01
01/26/11	00:50	.41	1.01	5.57	9.36	5.38	2.39	2.39	3.14	8.08	11.08
01/26/11	01:00	5.59	.92	.84	.41	.34	-.01	.41	.33	-.09	-.08
01/26/11	01:10	-.01	.41	.33	-.01	.41	.41	.32	-.08	-.09	.00
01/26/11	01:20	.41	.41	.41	.32	-.09	-.09	-.09	.00	.41	.41
01/26/11	01:30	.41	.49	.99	1.32	.81	.50	1.00	1.32	.91	.91
01/26/11	01:40	1.00	1.32	.91	.91	.81	.68	2.18	3.19	2.30	2.27
01/26/11	01:50	4.26	6.08	7.11	7.80	7.30	6.60	4.99	3.18	2.09	.91

01/26/11	02:00	.81	.41	.41	.31	-.09	-.08	.00	.41	.51	2.61
01/26/11	02:10	11.09	17.69	16.67	14.92	10.42	6.15	2.74	.52	1.13	1.92
01/26/11	02:20	2.02	2.50	3.11	3.57	2.07	1.13	2.13	2.68	1.70	.81
01/26/11	02:30	.41	.41	.41	.41	.29	.03	.41	.29	-.08	-.08
01/26/11	02:40	-.08	.03	.41	.41	.29	.26	1.76	3.59	6.72	9.74
01/26/11	02:50	11.39	11.40	5.53	1.28	.79	.28	-.08	-.09	-.09	.15
01/26/11	03:00	1.04	1.29	.79	.41	.41	.41	.53	.78	.41	.41
01/26/11	03:10	.41	.41	.27	.30	1.80	3.29	4.79	5.50	4.12	3.25
01/26/11	03:20	2.88	2.63	1.64	4.37	17.33	25.14	18.51	13.79	15.28	14.55
01/26/11	03:30	7.90	3.17	4.03	4.40	4.39	4.40	4.53	4.32	2.32	1.05
01/26/11	03:40	1.55	1.77	1.13	2.95	11.94	16.41	9.55	5.32	6.69	6.95
01/26/11	03:50	5.30	4.94	8.45	9.69	5.56	3.01	5.00	5.64	3.14	2.15
01/26/11	04:00	4.64	6.39	6.56	6.30	4.29	3.64	6.00	6.50	3.45	1.41
01/26/11	04:10	1.57	2.07	2.56	2.74	2.42	2.88	4.21	4.90	4.89	4.74
01/26/11	04:20	4.07	3.38	3.23	4.48	9.49	14.32	18.81	18.59	8.57	1.75
01/26/11	04:30	1.07	.41	.41	.42	.41	.41	.41	.41	.58	2.75
01/26/11	04:40	8.07	10.24	6.74	4.06	3.22	4.06	7.57	10.25	11.25	10.15
01/26/11	04:50	5.16	1.73	1.24	2.65	7.65	10.54	9.72	8.16	4.84	2.88
01/26/11	05:00	2.72	2.42	2.42	4.16	9.16	10.65	5.58	4.60	10.58	12.54
01/26/11	05:10	7.55	3.67	1.68	.41	.41	.59	.90	.72	.41	.41
01/26/11	05:20	.41	.41	.41	.41	.22	.09	.41	.60	.90	.91
01/26/11	05:30	.71	.41	.41	.41	.41	.41	.41	.41	.21	.10
01/26/11	05:40	.41	.41	.41	.22	-.09	-.08	-.28	-.39	.11	.40
01/26/11	05:50	.20	.10	.61	.71	.21	.10	.41	.41	.61	1.51
01/26/11	06:00	2.81	2.80	1.11	-.08	-.08	-.08	-.08	.12	.41	.20
01/26/11	06:10	-.08	-.08	-.08	.12	.41	.41	.21	-.08	-.08	-.08
01/26/11	06:20	-.08	-.08	.11	.20	-.09	-.08	-.09	.56	2.05	2.47
01/26/11	06:30	1.70	1.19	.91	.91	.90	.69	.41	.41	.41	.19
01/26/11	06:40	-.09	.12	.41	.41	.18	-.09	-.09	-.09	-.09	.13
01/26/11	06:50	.41	.40	.40	.40	.41	.40	.41	.41	.41	.41
01/26/11	07:00	.18	.13	.41	.40	.41	.64	1.14	1.17	.91	.90
01/26/11	07:10	.67	.41	.41	.17	-.09	.14	.40	.41	.40	.41
01/26/11	07:20	.40	.41	.41	.41	.40	.41	.40	.41	.41	.41
01/26/11	07:30	.41	.41	.41	.41	.41	.41	.41	.41	.16	.15
01/26/11	07:40	.41	.41	.41	.41	.16	-.09	-.08	-.08	-.08	-.08
01/26/11	07:50	-.09	.16	.41	.41	.41	.16	-.08	-.09	-.08	-.09
01/26/11	08:00	-.08	-.09	-.09	-.09	-.09	-.09	.16	.14	-.09	-.09
01/26/11	08:10	-.09	-.09	-.09	-.09	-.09	.16	.41	.41	.14	.16
01/26/11	08:20	.41	.14	-.09	-.09	-.09	-.09	.17	.14	-.09	-.09
01/26/11	08:30	-.09	-.09	.17	.14	-.09	-.09	-.08	-.08	-.09	.18
01/26/11	08:40	.40	.41	.13	-.09	-.09	-.08	-.08	-.08	-.08	-.08
01/26/11	08:50	-.08	-.08	-.09	-.08	-.08	-.08	-.08	-.09	-.08	-.08
01/26/11	09:00	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08
01/26/11	09:10	-.08	-.08	-.08	-.08	-.08	-.08	-.37	-.59	-.58	-.58

01/26/11	09:20	-.58	-.58	-.59	-.58	-.59	-.58	-.58	-.58	-.59	-.58
01/26/11	09:30	-.59	-.58	-.29	-.37	-.58	-.59	-.59	-.59	-.59	-.59
01/26/11	09:40	-.59	-.58	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59
01/26/11	09:50	-.59	-.58	-.59	-.58	-.58	-.59	-.59	-.59	-.59	-.59
01/26/11	10:00	-.59	-.59	-.59	-.59	-.58	-.59	-.58	-.59	-.59	-.59
01/26/11	10:10	-.58	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59
01/26/11	10:20	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.60	-.59
01/26/11	10:30	-.59	-.59	-.60	-.59	-.59	-.59	-.60	-.59	-.60	-.59
01/26/11	10:40	-.60	-.59	-.60	-.59	-.60	-.60	-.60	-.59	-.60	-.59
01/26/11	10:50	-.60	-.60	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59
01/26/11	11:00	-.59	-.59	-.58	-.58	-.91	-1.09	-1.09	-.76	-.59	-.59
01/26/11	11:10	-.59	-.59	-.58	-.59	-.58	-.59	-.25	-.42	-.58	-.59
01/26/11	11:20	-.59	-.59	-.59	-.60	-.59	-.60	-.59	-.25	-.09	-.09
01/26/11	11:30	-.09	-.09	-.42	-.59	-.59	-.25	-.09	-.09	-.43	-.58
01/26/11	11:40	-.59	-.24	-.08	-.08	-.09	-.08	-.09	-.08	.25	.41
01/26/11	11:50	.41	.75	1.59	1.21	.20	-.09	-.09	-.09	-.44	-.24
01/26/11	12:00	.26	.05	-.44	-.58	-.58	-.58	-.23	-.08	-.08	-.08
01/26/11	12:10	-.09	-.09	-.09	-.09	-.08	-.45	-.58	-.59	-.59	-.59
01/26/11	12:20	-.59	-.59	-.59	-.24	-.09	.26	.41	.41	.05	1.35
01/26/11	12:30	2.97	2.34	.81	.05	-.08	-.45	-.59	-.59	-.22	-.09
01/26/11	12:40	.27	1.15	2.13	7.52	14.15	15.15	14.15	9.14	2.65	.55
01/26/11	12:50	.42	.04	-.84	-.71	-.58	-.58	-.58	-.58	-.58	-.58
01/26/11	13:00	-.58	-.21	-.08	-.46	-.58	-.59	-.59	-.58	-.58	-.58
01/26/11	13:10	-.58	-.58	-.19	-.08	-.46	-.58	-.58	7.07	17.05	14.42
01/26/11	13:20	7.93	3.71	.22	3.23	8.23	9.78	10.28	15.38	21.49	18.29
01/26/11	13:30	12.23	13.63	17.54	10.95	1.46	-.58	-.19	-.48	-.58	.20
01/26/11	13:40	1.59	1.92	1.92	1.53	.64	.03	-.09	-.47	-.58	-.58
01/26/11	13:50	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.18
01/26/11	14:00	-.09	-.08	-.48	-.58	-.58	-.17	.32	14.00	31.38	27.12
01/26/11	14:10	17.63	12.23	8.15	12.69	18.78	12.94	4.04	6.49	11.49	8.71
01/26/11	14:20	3.81	16.76	33.75	25.46	11.88	17.17	26.64	25.92	23.35	13.30
01/26/11	14:30	1.83	-.07	-.07	-.07	-.49	-.16	-.07	-.07	-.07	1.18
01/26/11	14:40	2.24	1.17	-.33	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/26/11	14:50	-.58	-.57	-.58	-.57	-.57	-.57	-.57	-.57	-.57	-.57
01/26/11	15:00	-.57	-.58	-.58	-.58	-.58	-.58	-.58	-.14	-.07	-.07
01/26/11	15:10	-.51	-.14	-.07	-.07	-.50	-.57	-.57	-.14	-.06	.36
01/26/11	15:20	1.30	1.00	.93	.49	.00	-.06	-.06	-.06	-.06	-.07
01/26/11	15:30	-.06	-.07	-.06	-.07	-.07	-.07	-.07	-.07	-.07	-.07
01/26/11	15:40	-.07	.80	1.37	.98	.48	.42	.43	-.02	-.07	-.07
01/26/11	15:50	-.07	5.32	11.30	15.05	18.56	11.26	2.77	1.48	1.43	.53
01/26/11	16:00	-.02	-.07	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.06
01/26/11	16:10	M	M	M	M	M	M	M	M	M	M
01/26/11	16:20	M	M	M	M	M	M	M	M	M	M
01/26/11	16:30	M	M	M	M	M	M	M	M	M	M
01/26/11	16:40	M	M	M	M	M	M	M	M	M	M

01/26/11	16:50	M	M	M	M	M	M	M	M	M	M
01/26/11	17:00	M	M	M	M	M	M	M	M	M	M
01/26/11	17:10	M	M	M	M	M	M	M	M	M	M
01/26/11	17:20	M	M	M	M	M	M	M	M	M	M
01/26/11	17:30	M	M	M	M	M	M	M	M	M	M
01/26/11	17:40	M	M	M	M	M	M	M	M	M	M
01/26/11	17:50	M	M	M	M	M	M	M	M	M	M
01/26/11	18:00	M	M	M	M	M	M	M	M	M	M
01/26/11	18:10	M	M	M	M	M	M	M	M	M	M
01/26/11	18:20	- .07	- .07	- .08	- .07	- .07	- .07	- .07	- .08	- .08	- .07
01/26/11	18:30	- .08	- .08	- .07	- .07	- .07	- .07	- .07	- .07	- .08	- .08
01/26/11	18:40	- .08	- .08	- .07	- .08	- .08	- .08	- .08	- .08	- .11	- .58
01/26/11	18:50	- .56	- .09	- .08	- .08	- .08	- .06	.40	- .08	- .08	- .08
01/26/11	19:00	- .07	- .08	- .07	- .07	- .07	- .07	- .07	- .07	- .07	- .07
01/26/11	19:10	- .07	- .07	- .08	- .07	- .08	- .08	- .09	- .08	- .09	- .08
01/26/11	19:20	- .09	- .08	- .08	- .08	- .08	- .07	- .07	- .07	- .07	- .08
01/26/11	19:30	- .08	- .12	- .54	- .08	- .08	- .08	- .12	- .58	- .58	- .53
01/26/11	19:40	- .08	- .13	- .58	- .58	- .58	- .58	- .58	- .53	- .07	- .07
01/26/11	19:50	- .07	- .07	- .08	- .08	- .08	- .08	- .13	- .58	- .58	- .53
01/26/11	20:00	- .08	- .09	- .08	- .08	- .14	- .58	- .58	- .58	- .58	- .58
01/26/11	20:10	- .58	- .58	- .58	- .58	- .58	- .64	-1.03	- .58	- .58	- .58
01/26/11	20:20	- .58	- .58	- .58	- .58	- .59	- .58	- .58	- .58	- .58	- .58
01/26/11	20:30	- .58	- .58	- .58	- .58	- .58	- .58	- .58	- .59	- .58	- .58
01/26/11	20:40	- .66	-1.08	-1.09	-1.01	- .58	- .59	- .66	-1.08	-1.01	- .58
01/26/11	20:50	- .58	- .58	- .58	- .58	- .58	- .58	- .59	- .59	- .59	- .60
01/26/11	21:00	- .59	- .60	- .59	- .60	- .59	- .59	- .59	- .59	- .59	- .59
01/26/11	21:10	- .59	- .59	- .58	- .58	- .59	- .51	- .18	- .59	- .59	- .60
01/26/11	21:20	- .60	- .69	-1.10	-1.00	- .60	- .60	- .60	- .59	- .59	- .59
01/26/11	21:30	- .59	- .68	-1.00	- .59	- .59	- .59	- .59	- .59	- .60	- .59
01/26/11	21:40	- .70	-1.10	-1.00	- .60	- .60	- .70	-1.10	-1.09	-1.10	- .99
01/26/11	21:50	- .59	- .59	- .59	- .60	- .60	- .60	- .60	- .71	-1.10	-1.00
01/26/11	22:00	- .60	- .60	- .60	- .60	- .60	- .59	- .59	- .71	- .99	- .60
01/26/11	22:10	- .59	- .71	- .99	- .60	- .71	-1.10	-1.10	-1.10	-1.10	- .98
01/26/11	22:20	- .60	- .60	- .60	- .60	- .72	-1.10	-1.10	-1.10	-1.10	-1.10
01/26/11	22:30	-1.10	-1.10	-1.10	- .97	- .60	- .60	- .60	- .60	- .73	-1.10
01/26/11	22:40	-1.10	-1.10	-1.11	- .98	- .60	- .72	- .98	- .60	- .73	-1.11
01/26/11	22:50	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.09	- .96
01/26/11	23:00	- .60	- .60	- .60	- .60	- .60	- .74	-1.10	-1.11	-1.10	-1.11
01/26/11	23:10	-1.10	- .97	- .74	-1.10	-1.10	-1.10	-1.10	-1.10	-1.09	- .95
01/26/11	23:20	- .60	- .60	- .60	- .60	- .60	- .60	- .60	- .60	- .60	- .60
01/26/11	23:30	- .60	- .60	- .60	- .60	- .60	- .60	- .45	- .09	- .09	- .09
01/26/11	23:40	- .09	- .09	- .09	- .09	- .09	- .09	- .09	- .09	- .09	- .09
01/26/11	23:50	- .10	- .09	- .09	- .09	- .09	- .09	- .25	- .60	- .59	- .59
01/27/11	00:00	- .59	- .59	- .59	- .59	- .59	- .59	- .59	- .43	- .25	- .59
01/27/11	00:10	- .59	- .59	- .59	- .60	- .60	- .60	- .60	- .77	- .93	- .60

01/27/11	00:20	-.59	-.60	-.59	-.59	-.59	-.75	-1.09	-1.10	-1.10	-.93
01/27/11	00:30	-.59	-.59	-.59	-.59	-.77	-1.09	-1.09	-.92	-.78	-1.10
01/27/11	00:40	-1.10	-.92	-.60	-.77	-1.10	-1.10	-1.10	-1.09	-1.10	-.91
01/27/11	00:50	-.78	-1.09	-1.10	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	01:00	-1.09	-1.09	-1.09	-1.10	-1.09	-1.10	-1.09	-.92	-.78	-1.10
01/27/11	01:10	-1.09	-1.10	-1.09	-1.10	-1.09	-1.10	-1.09	-.90	-.78	-1.09
01/27/11	01:20	-1.09	-1.10	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	01:30	-1.09	-1.09	-1.09	-.90	-.79	-1.10	-1.10	-.89	-.59	-.59
01/27/11	01:40	-.59	-.59	-.79	-1.09	-1.09	-.89	-.79	-1.09	-.88	-.58
01/27/11	01:50	-.59	-.59	-.80	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	02:00	-1.09	-.89	-.81	-1.09	-1.09	-1.10	-1.09	-1.10	-1.09	-1.09
01/27/11	02:10	-1.09	-.87	-.59	-.59	-.80	-1.10	-1.09	-.87	-.58	-.59
01/27/11	02:20	-.59	-.81	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	02:30	-1.10	-1.09	-1.09	-.87	-.59	-.59	-.82	-1.09	-1.09	-1.09
01/27/11	02:40	-.86	-.59	-.81	-1.09	-1.09	-.86	-.59	-.82	-1.09	-1.09
01/27/11	02:50	-1.09	-1.09	-1.09	-1.09	-.86	-.60	-.83	-1.09	-1.09	-1.09
01/27/11	03:00	-1.09	-1.09	-1.09	-1.09	-1.09	-1.10	-1.09	-1.09	-1.09	-1.10
01/27/11	03:10	-1.09	-1.09	-1.09	-1.10	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	03:20	-1.09	-1.09	-.85	-.59	-.59	-.84	-.85	-.59	-.59	-.85
01/27/11	03:30	-1.09	-.85	-.85	-1.09	-.85	-.60	-.60	-.60	-.60	-.60
01/27/11	03:40	-.60	-.59	-.59	-.59	-.59	-.59	-.85	-1.09	-1.09	-.83
01/27/11	03:50	-.59	-.59	-.59	-.59	-.85	-1.09	-.84	-.59	-.60	-.59
01/27/11	04:00	-.60	-.59	-.60	-.59	-.60	-.60	-.60	-.87	-.83	-.60
01/27/11	04:10	-.60	-.60	-.60	-.60	-.60	-.60	-.59	-.59	-.59	-.59
01/27/11	04:20	-.59	-.59	-.58	-.58	-.59	-.59	-.58	-.59	-.59	-.59
01/27/11	04:30	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.87	-1.09
01/27/11	04:40	-.82	-.59	-.59	-.87	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	04:50	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-.81	-.60	-.60	-.60
01/27/11	05:00	-.60	-.60	-.89	-1.09	-1.10	-.81	-.89	-1.09	-1.09	-1.09
01/27/11	05:10	-1.09	-1.10	-1.09	-.80	-.88	-1.09	-1.08	-1.09	-1.09	-1.10
01/27/11	05:20	-1.09	-1.09	-1.09	-1.09	-.79	-.59	-.59	-.89	-1.09	-1.09
01/27/11	05:30	-.80	-.60	-.89	-1.09	-1.10	-1.10	-.80	-.60	-.60	-.60
01/27/11	05:40	-.60	-.90	-1.10	-1.09	-1.09	-1.09	-1.09	-.79	-.59	-.90
01/27/11	05:50	-1.10	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	06:00	-1.09	-.77	-.91	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	06:10	-1.09	-1.09	-1.09	-1.09	-1.09	-1.10	-1.09	-1.10	-1.09	-1.10
01/27/11	06:20	-1.09	-1.10	-1.09	-1.10	-1.09	-1.10	-1.10	-.77	-.92	-1.09
01/27/11	06:30	-1.09	-1.09	-1.09	-.76	-.92	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	06:40	-1.10	-.75	-.93	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	06:50	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	07:00	-1.09	-1.09	-.76	-.60	-.60	-.94	-1.09	-1.09	-1.09	-1.09
01/27/11	07:10	-1.09	-1.09	-1.09	-1.09	-1.09	-1.10	-1.09	-1.10	-1.09	-1.10
01/27/11	07:20	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09

01/27/11	07:30	-1.09	-.74	-.94	-1.09	-1.09	-.74	-.95	-1.09	-1.09	-.73
01/27/11	07:40	-.95	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-.74	-.95	-1.09
01/27/11	07:50	-1.09	-1.09	-1.09	-1.09	-.74	-.59	-.60	-.59	-.60	-.59
01/27/11	08:00	-.60	-.60	-.96	-1.09	-1.09	-.73	-.96	-1.09	-1.09	-1.09
01/27/11	08:10	-1.09	-1.10	-1.09	-.73	-.96	-1.10	-1.09	-.71	-.59	-.60
01/27/11	08:20	-.59	-.59	-.96	-1.09	-1.09	-1.09	-1.09	-.71	-.97	-1.09
01/27/11	08:30	-1.09	-.72	-.59	-.59	-.98	-1.09	-1.09	-.71	-.97	-1.09
01/27/11	08:40	-1.09	-.71	-.98	-1.09	-1.09	-1.08	-1.09	-1.08	-1.09	-1.09
01/27/11	08:50	-1.09	-1.09	-1.09	-.70	-.59	-.59	-.59	-.59	-.58	-.58
01/27/11	09:00	-.59	-.58	-.59	-.98	-1.09	-1.09	-1.09	-1.09	-1.09	-1.10
01/27/11	09:10	-1.09	-1.09	-1.09	-1.09	-1.09	-1.10	-1.09	-1.10	-1.09	-.69
01/27/11	09:20	-.99	-1.10	-1.09	-.69	-.99	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	09:30	-1.09	-.70	-.60	-1.00	-1.09	-1.09	-1.09	-.69	-1.00	-1.09
01/27/11	09:40	-1.09	-1.09	-1.09	-1.09	-1.09	-.68	-.60	-.59	-1.00	-1.09
01/27/11	09:50	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
01/27/11	10:00	-1.09	-.67	-.60	-.59	-.59	-.59	-.59	-1.01	-1.09	-.68
01/27/11	10:10	-.59	-.60	-.59	-.60	-.59	-.59	-.59	-.59	-.59	-.59
01/27/11	10:20	-.59	-.59	-.58	-1.02	-.66	-.59	-.59	-1.02	-.66	-.59
01/27/11	10:30	-.59	-1.02	-.65	-.59	-.60	-.60	-.60	-.59	-.60	-.59
01/27/11	10:40	-.60	-.59	-.59	-.59	-.59	-.59	-.58	-1.02	-.66	-.59
01/27/11	10:50	-.60	-.59	-.60	-1.04	-1.09	-1.09	-.64	-.58	-.59	-.59
01/27/11	11:00	-.60	-.59	-.59	-1.03	-1.09	-1.09	-.65	-.60	-.60	-.60
01/27/11	11:10	-.59	-1.04	-.63	-.59	-.59	-.60	-.59	-1.04	-.64	-.59
01/27/11	11:20	-.59	-.59	-.58	-1.04	-.63	-.59	-.58	-.59	-.59	-.59
01/27/11	11:30	-.59	-.59	-.60	-.60	-.59	-.59	-.59	-.59	-.59	-1.05
01/27/11	11:40	-.63	-.59	-.60	-.59	-.60	-.60	-.60	-.59	-.59	-.59
01/27/11	11:50	-.59	-.59	-.59	-.58	-.59	-.59	-.59	-.58	-.59	-.59
01/27/11	12:00	-.59	-.59	-.59	-.59	-.59	-.12	-.09	-.08	-.57	-.59
01/27/11	12:10	-.11	-.08	-.08	-.08	-.08	-.08	-.08	-.09	-.08	-.09
01/27/11	12:20	-.08	-.09	-.08	-.09	-.09	-.09	-.09	-.09	-.09	-.09
01/27/11	12:30	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09
01/27/11	12:40	-.09	.39	.40	.41	.41	.41	-.08	-.09	-.09	.40
01/27/11	12:50	.40	.41	.40	.41	.41	.41	.41	.41	.89	.91
01/27/11	13:00	.90	1.40	1.41	1.90	1.42	.92	1.41	1.41	.91	.92
01/27/11	13:10	1.41	1.92	1.92	1.91	2.42	2.41	2.42	1.91	1.91	1.41
01/27/11	13:20	1.91	2.42	1.91	1.90	2.42	2.42	2.42	2.42	2.42	2.42
01/27/11	13:30	2.42	2.42	2.43	2.89	2.42	2.41	1.92	1.91	1.90	1.41
01/27/11	13:40	1.42	1.91	1.90	1.91	1.91	1.91	1.91	1.90	1.41	1.41
01/27/11	13:50	1.41	1.42	1.39	.93	1.41	1.42	1.41	1.42	1.41	1.42
01/27/11	14:00	1.41	1.41	1.39	.91	.91	.91	.92	.92	.92	.92
01/27/11	14:10	.92	.92	.92	.92	.91	.93	1.42	1.39	.91	.91
01/27/11	14:20	.91	.91	.95	1.41	1.42	1.38	.92	.92	.95	1.41
01/27/11	14:30	1.42	1.39	.92	.92	.95	1.42	1.39	.94	1.42	1.42
01/27/11	14:40	1.38	.95	1.41	1.41	1.41	1.42	1.41	1.41	1.42	1.42
01/27/11	14:50	1.37	.96	1.41	1.42	1.41	1.42	1.42	1.43	1.42	1.43

01/27/11	15:00	1.42	1.43	1.47	1.88	1.42	1.42	1.42	1.41	1.37	.92
01/27/11	15:10	.92	.92	.92	.92	.97	1.42	1.43	1.43	1.43	1.43
01/27/11	15:20	1.37	.91	.98	1.36	.92	.91	.92	.92	.92	.92
01/27/11	15:30	.98	1.42	1.42	1.37	.92	.92	.92	.91	.92	.92
01/27/11	15:40	.91	.91	.92	.92	.85	.48	.92	.92	.92	.92
01/27/11	15:50	.92	.92	.92	.92	.92	.92	.92	.92	.91	.92
01/27/11	16:00	.91	.92	.91	.92	.91	.92	.92	.92	.92	.92
01/27/11	16:10	.92	.92	.92	.92	.92	.92	.92	.92	.85	.42
01/27/11	16:20	.43	.42	.42	.51	.92	.92	.93	.92	.93	.92
01/27/11	16:30	.92	.92	.84	.51	.92	.92	.83	.50	.92	.92
01/27/11	16:40	.83	.50	.92	.92	.92	.83	.43	.43	.52	.92
01/27/11	16:50	.92	.83	.42	.51	.92	.92	.92	.92	.92	.92
01/27/11	17:00	.92	.82	.41	.42	.51	.92	.82	.52	.92	.82
01/27/11	17:10	.42	.42	.42	.52	.92	.92	.92	.92	.92	.81
01/27/11	17:20	.41	.52	.92	.92	.81	.41	.42	.42	.42	.42
01/27/11	17:30	.53	.81	.43	.42	.42	.42	.43	.42	.42	.42
01/27/11	17:40	.53	.92	.92	.80	.42	.41	.42	.42	.42	.42
01/27/11	17:50	.42	.42	.42	.42	.42	.42	.43	.42	.42	.42
01/27/11	18:00	.42	.42	.41	.42	.41	.41	.41	.29	-.08	.04
01/27/11	18:10	.43	.43	.30	-.06	-.06	.06	.43	.43	.42	.43
01/27/11	18:20	.30	.06	.43	.43	.43	.43	.43	.43	.43	.43
01/27/11	18:30	.43	.43	.43	.43	.43	.28	-.06	.07	.43	.43
01/27/11	18:40	.29	-.07	.07	.28	-.07	-.07	-.07	-.07	.06	.43
01/27/11	18:50	.43	.42	.43	.42	.43	.43	.43	.43	.43	.42
01/27/11	19:00	.43	.43	.42	.43	.42	.43	.43	.43	.42	.43
01/27/11	19:10	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43
01/27/11	19:20	.43	.43	.43	.43	.26	-.07	-.07	-.07	-.07	-.07
01/27/11	19:30	-.07	.08	.42	.42	.42	.42	.42	.42	.25	-.07
01/27/11	19:40	-.07	-.08	-.07	-.07	-.07	-.08	-.07	-.07	-.07	-.08
01/27/11	19:50	.09	.26	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
01/27/11	20:00	-.07	-.07	-.07	-.07	-.07	-.08	-.08	.09	.41	.24
01/27/11	20:10	-.08	-.07	-.08	-.08	.10	.24	-.08	-.07	-.08	-.07
01/27/11	20:20	-.08	-.07	-.08	-.07	-.07	-.07	.10	.24	-.07	.11
01/27/11	20:30	.42	.43	.22	.11	.42	.41	.41	.41	.41	.41
01/27/11	20:40	.22	-.08	-.08	-.08	-.08	.10	.42	.42	.42	.42
01/27/11	20:50	.42	.41	.42	.42	.22	.11	.42	.42	.43	.42
01/27/11	21:00	.42	.42	.43	.42	.42	.42	.42	.41	.41	.42
01/27/11	21:10	.42	.42	.41	.42	.41	.41	.41	.42	.41	.41
01/27/11	21:20	.41	.41	.41	.41	.41	.42	.42	.42	.21	.14
01/27/11	21:30	.42	.42	.20	-.07	-.08	-.07	.13	.42	.42	.20
01/27/11	21:40	-.07	-.07	.13	.41	.42	.41	.20	.13	.42	.41
01/27/11	21:50	.42	.18	-.08	-.09	-.08	.13	.42	.42	.41	.41
01/27/11	22:00	.19	-.08	.14	.19	-.07	-.08	.14	.20	-.07	-.08
01/27/11	22:10	-.07	-.08	-.07	-.08	.15	.42	.18	-.07	-.08	-.07
01/27/11	22:20	.15	.18	-.08	-.07	-.07	-.07	-.31	-.34	-.08	-.08

01/27/11	22:30	-.33	-.34	-.08	-.08	-.33	-.34	-.08	-.08	-.09	-.08
01/27/11	22:40	-.09	-.08	-.09	-.09	-.09	-.09	-.08	-.08	-.08	-.08
01/27/11	22:50	-.08	-.08	-.08	-.08	-.08	-.08	-.07	-.07	.17	.17
01/27/11	23:00	-.07	-.07	-.07	-.07	-.07	-.08	-.07	-.08	-.08	-.07
01/27/11	23:10	-.34	-.32	-.08	-.08	-.08	-.08	-.34	-.33	-.08	-.08
01/27/11	23:20	-.09	-.08	-.09	-.08	-.08	-.08	-.08	-.35	-.58	-.58
01/27/11	23:30	-.31	-.08	-.08	-.07	-.07	-.07	-.07	-.07	-.07	-.07
01/27/11	23:40	-.07	-.08	-.08	-.08	-.08	-.09	-.08	-.09	.18	.13
01/27/11	23:50	-.09	-.08	-.08	-.09	.18	.14	-.08	-.08	-.07	-.08
01/28/11	00:00	.19	.14	-.07	-.07	-.35	-.58	-.58	-.58	-.29	-.36
01/28/11	00:10	-.58	-.30	-.07	-.07	-.07	-.37	-.58	-.58	-.58	-.58
01/28/11	00:20	-.58	-.58	-.58	-.30	-.08	-.08	-.09	-.08	-.09	-.37
01/28/11	00:30	-.58	-.58	-.58	-.29	-.08	-.08	-.07	.21	.42	.42
01/28/11	00:40	.42	.42	.42	.42	.41	.42	.41	.41	.41	.11
01/28/11	00:50	-.08	.21	.41	.41	.41	.11	-.08	-.09	.21	.41
01/28/11	01:00	.41	.41	.11	-.09	-.08	-.09	-.08	-.09	-.08	-.08
01/28/11	01:10	-.08	-.08	-.08	-.08	-.08	.23	.42	.11	-.07	-.07
01/28/11	01:20	.22	.41	.10	-.08	-.09	-.08	-.08	-.08	-.08	-.08
01/28/11	01:30	-.09	-.08	-.09	-.08	-.09	-.08	-.40	-.27	-.09	-.09
01/28/11	01:40	-.40	-.26	-.09	-.08	-.08	-.08	-.08	-.40	-.59	-.58
01/28/11	01:50	-.58	-.59	-.58	-.58	-.58	-.25	-.08	-.08	-.40	-.58
01/28/11	02:00	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/28/11	02:10	-.58	-.59	-.58	-.58	-.58	-.59	-.58	-.58	-.58	-.58
01/28/11	02:20	-.58	-.59	-.59	-.59	-.59	-.58	-.59	-.58	-.58	-.58
01/28/11	02:30	-.59	-.58	-.59	-.58	-.59	-.58	-.59	-.58	-.92	-.73
01/28/11	02:40	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58
01/28/11	02:50	-.58	-.58	-.59	-.58	-.58	-.59	-.58	-.59	-.58	-.59
01/28/11	03:00	-.58	-.58	-.58	-.59	-.58	-.59	-.22	-.44	-.58	-.59
01/28/11	03:10	-.58	-.58	-.58	-.59	-.58	-.59	-.58	-.58	-.58	-.58
01/28/11	03:20	-.95	-.72	-.58	-.58	-.95	-1.08	-.72	-.58	-.58	-.58
01/28/11	03:30	-.58	-.58	-.96	-.72	-.58	-.58	-.59	-.95	-1.09	-1.09
01/28/11	03:40	-.71	-.59	-.59	-.58	-.96	-1.09	-.72	-.58	-.59	-.58
01/28/11	03:50	-.96	-1.08	-1.08	-1.08	-1.08	-1.08	-.71	-.58	-.58	-.59
01/28/11	04:00	-.58	-.58	-.58	-.58	-.58	-.58	-.96	-.70	-.58	-.58
01/28/11	04:10	-.96	-1.09	-1.08	-1.09	-1.08	-1.09	-.70	-.59	-.98	-1.09
01/28/11	04:20	-.69	-.59	-.58	-.59	-.59	-.98	-1.09	-1.09	-.70	-.98
01/28/11	04:30	-1.09	-1.08	-1.08	-1.09	-.70	-.58	-.99	-1.08	-1.08	-1.08
01/28/11	04:40	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.09	-1.08
01/28/11	04:50	-.69	-.58	-.58	-.58	-.58	-.58	-.99	-1.09	-1.09	-1.09
01/28/11	05:00	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-.68	-.59	-.59	-.59
01/28/11	05:10	-.59	-1.00	-1.09	-1.08	-1.08	-1.08	-.67	-.58	-.58	-.59
01/28/11	05:20	-.58	-.59	-.58	-.59	-1.00	-1.08	-1.08	-1.08	-.67	-.58
01/28/11	05:30	-.58	-.58	-.58	-1.00	-1.09	-1.09	-.66	-1.01	-1.09	-1.09
01/28/11	05:40	-.66	-.59	-.59	-.59	-1.02	-1.09	-1.09	-1.09	-.67	-.59
01/28/11	05:50	-.59	-.59	-1.02	-1.08	-1.09	-1.09	-.66	-.58	-1.02	-1.08

01/28/11	06:00	-1.08	-1.08	-.65	-1.01	-1.08	-1.09	-1.08	-1.09	-1.08	-1.09
01/28/11	06:10	-1.08	-.65	-.58	-.58	-1.02	-1.09	-1.09	-1.09	-1.09	-1.09
01/28/11	06:20	-1.09	-1.09	-1.09	-1.09	-.65	-1.03	-1.09	-1.09	-.65	-.59
01/28/11	06:30	-.59	-.59	-1.04	-1.09	-1.09	-.64	-.59	-1.03	-1.08	-1.08
01/28/11	06:40	-1.08	-.63	-.59	-.58	-.59	-.59	-.59	-1.03	-1.08	-1.08
01/28/11	06:50	-1.08	-1.08	-.63	-1.04	-1.09	-1.09	-1.09	-1.09	-.63	-.59
01/28/11	07:00	-.58	-.58	-.58	-.58	-1.05	-1.09	-1.09	-1.09	-1.09	-.63
01/28/11	07:10	-.59	-.60	-.59	-1.06	-1.09	-1.09	-1.09	-1.09	-.62	-.59
01/28/11	07:20	-.59	-1.05	-1.09	-1.09	-.62	-.59	-.59	-1.05	-1.08	-.62
01/28/11	07:30	-.58	-.58	-.58	-.58	-.58	-.59	-.58	-.58	-.59	-.58
01/28/11	07:40	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-1.07	-.61
01/28/11	07:50	-.59	-.58	-.59	-.58	-.59	-.59	-.59	-.59	-.59	-.59
01/28/11	08:00	-.59	-1.08	-1.09	-1.09	-.61	-.59	-.59	-1.08	-1.09	-.60
01/28/11	08:10	-.59	-.60	-.59	-1.08	-1.09	-1.09	-1.09	-.60	-.58	-.60
01/28/11	08:20	-.59	-.60	-.59	-.59	-.59	-.59	-.59	-.60	-.59	-.59
01/28/11	08:30	-.59	-.59	-.59	-.60	-.59	-.59	-.59	-.59	-.59	-.59
01/28/11	08:40	-.60	-.59	-.60	-.59	-.60	-.59	-.60	-.58	-.10	-.59
01/28/11	08:50	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.59	-.58	-.59
01/28/11	09:00	-.59	-.59	-.58	-.58	-.58	-.58	-.58	-.58	-.58	-.59
01/28/11	09:10	-.58	-.59	-.59	-.59	-.58	-.57	-.10	-.60	-.59	-.58
01/28/11	09:20	-.09	-.09	-.09	-.09	-.10	-.59	-.58	-.56	-.09	-.09
01/28/11	09:30	-.09	-.09	-.09	-.08	-.08	-.08	-.08	-.08	-.08	-.08
01/28/11	09:40	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08
01/28/11	09:50	-.08	-.08	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09
01/28/11	10:00	-.09	-.08	-.08	-.08	-.08	-.08	-.04	.41	.42	.37
01/28/11	10:10	-.09	-.05	.41	.41	.41	.41	.41	.41	.42	.41
01/28/11	10:20	.42	.41	.41	.41	.42	.41	.41	.41	.41	.41
01/28/11	10:30	.42	.47	.86	.41	.41	.42	.41	.46	.92	.97
01/28/11	10:40	1.36	.92	.91	.92	.92	.92	.92	.92	.92	.92
01/28/11	10:50	.92	.93	.92	.88	.49	.94	.93	.94	.93	.88
01/28/11	11:00	.43	.44	.49	.94	.94	.94	.94	.94	.94	.94
01/28/11	11:10	.94	.94	.94	.94	.94	.87	.50	.94	.94	.94
01/28/11	11:20	.94	.94	.94	.94	.94	.86	.51	.94	.94	.93
01/28/11	11:30	.94	.94	.93	.93	.94	.94	.86	.44	.51	.93
01/28/11	11:40	.94	.94	.94	.94	.94	.94	.94	.94	.94	1.02
01/28/11	11:50	1.35	.94	.93	.94	.93	.94	.94	.94	.94	.94
01/28/11	12:00	.94	.94	.85	.43	.52	.94	.94	.94	.94	.94
01/28/11	12:10	.94	.84	.53	.94	.94	.94	.94	.94	.94	.94
01/28/11	12:20	.94	.94	.94	.94	.94	.94	.94	.94	.94	.94
01/28/11	12:30	.94	.94	.94	.94	.94	.93	.94	1.03	1.34	.94
01/28/11	12:40	.94	.94	.94	.94	.94	1.05	1.44	1.33	.94	.94
01/28/11	12:50	.94	.94	.94	.94	.94	.94	.94	1.04	1.32	.94
01/28/11	13:00	.94	.93	.93	.94	1.05	1.44	1.43	1.32	.94	.94

01/28/11	13:10	.93	.94	.94	1.05	1.43	1.31	1.05	1.43	1.55	2.06
01/28/11	13:20	4.29	11.67	15.79	11.17	6.55	3.04	.56	.94	.94	.94
01/28/11	13:30	.94	.81	.44	.43	.44	.43	.44	.56	.80	.44
01/28/11	13:40	.44	.58	M	M	M	M	M	M	M	M
01/28/11	13:50	M	M	M	M	M	M	M	M	M	M
01/28/11	14:00	M	M	M	M	M	M	M	M	M	M
01/28/11	14:10	M	M	M	M	M	M	M	M	M	M
01/28/11	14:20	M	M	M	M	M	M	M	M	M	M
01/28/11	14:30	M	M	M	M	M	M	M	M	M	M
01/28/11	14:40	M	M	M	M	M	M	M	M	M	M
01/28/11	14:50	M	M	M	M	M	M	M	M	M	M
01/28/11	15:00	M	M	M	M	M	M	M	M	M	M
01/28/11	15:10	M	M	M	M	M	M	M	M	M	M
01/28/11	15:20	M	M	M	M	M	M	M	M	M	M
01/28/11	15:30	M	M	M	M	M	M	M	M	M	M
01/28/11	15:40										
01/28/11	15:50										
01/28/11	16:00										

Max 33.75
Min -1.11
Mean .05
Records 5,302

Data : '<' - Less than ### Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overage, 'U' - Analog Underrange,
'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11
Current Time : 11:15

Daily Parameter Report - Minute Averages Agilaire LLC

Logger Name : PRIMARY
Logger Id : 01
Parameter : H2S
Units : PPB

Date	Time	00	01	02	03	04	Minute	05	06	07	08	09
	001M											

01/24/11	15:00										
01/24/11	15:10										
01/24/11	15:20				D	M	M	M	M	M	M
01/24/11	15:30	M	M	M	M	M	M	M	M	M	M
01/24/11	15:40	M	M	M	M	M	M	M	M	M	M
01/24/11	15:50	M	M	M	M	M	M	M	M	M	M
01/24/11	16:00	M	M	M	M	M	M	M	M	M	M
01/24/11	16:10	M	M	M	M	M	M	M	M	M	M
01/24/11	16:20	M	M	M	M	M	M	M	M	M	M
01/24/11	16:30	M	M	M	M	M	M	M	M	M	M
01/24/11	16:40	M	M	M	M	M	M	M	M	M	M
01/24/11	16:50	M	M	M	M	M	M	M	M	M	M
01/24/11	17:00	M	M	M	M	M	M	M	M	M	M
01/24/11	17:10	M	M	M	M	M	M	M	M	M	M
01/24/11	17:20	M	M	M	M	M	M	M	M	M	M
01/24/11	17:30	M	M	M	M	M	M	M	M	M	M
01/24/11	17:40	M	M	M	M	M	M	M	M	M	M
01/24/11	17:50	M	M	M	M	M	M	M	M	M	M
01/24/11	18:00	M	M	M	M	M	M	M	M	M	M
01/24/11	18:10	M	M	M	M	M	M	M	M	M	M
01/24/11	18:20	M	M	M	M	M	M	M	M	M	M
01/24/11	18:30	M	M	M	M	M	M	M	M	M	M
01/24/11	18:40	M	M	M	M	M	M	M	M	M	M
01/24/11	18:50	M	M	M	M	M	M	M	M	M	M
01/24/11	19:00	M	M	M	M	M	M	M	M	M	M
01/24/11	19:10	M	M	- .35	- .17	- .02	- .14	- .10	- .14	- .35	- .42
01/24/11	19:20	- .30	- .22	- .22	- .22	- .22	- .22	- .22	- .35	- .30	- .22
01/24/11	19:30	- .35	- .43	- .30	- .22	- .22	- .22	- .35	- .43	- .30	- .23
01/24/11	19:40	- .35	- .43	- .55	- .50	- .42	- .42	- .42	- .42	- .42	- .42
01/24/11	19:50	- .42	- .42	- .42	- .55	- .62	- .63	- .49	- .16	- .15	- .22
01/24/11	20:00	- .35	- .43	- .56	- .50	- .43	- .42	- .43	- .43	- .43	- .56
01/24/11	20:10	- .63	- .49	- .29	- .22	- .22	- .23	- .22	- .22	- .36	- .42
01/24/11	20:20	- .29	- .22	- .22	- .09	- .02	- .02	.10	.04	- .16	- .22
01/24/11	20:30	- .08	- .16	- .22	- .22	- .09	- .16	- .22	- .22	- .09	- .03
01/24/11	20:40	- .02	- .16	- .22	- .22	- .36	- .57	- .49	- .29	- .22	- .23
01/24/11	20:50	- .23	- .23	- .23	- .37	- .29	- .09	- .02	.11	.03	- .02
01/24/11	21:00	- .02	- .02	- .16	- .50	- .48	- .28	- .22	- .36	- .43	- .28
01/24/11	21:10	- .22	- .22	- .22	- .22	- .22	- .08	- .17	- .22	- .22	- .22
01/24/11	21:20	- .37	- .28	- .23	- .23	- .37	- .43	- .28	- .23	- .23	- .23
01/24/11	21:30	- .08	- .02	- .17	- .23	- .08	.11	.02	- .17	- .22	.06
01/24/11	21:40	.32	.22	.17	.17	.02	.12	.17	.02	- .02	.12
01/24/11	21:50	.17	.17	.02	- .17	- .22	- .22	- .22	- .07	- .02	- .32
01/24/11	22:00	- .27	- .22	- .23	- .22	- .22	- .38	- .58	- .47	- .27	- .07
01/24/11	22:10	- .03	- .02	- .18	- .38	- .27	- .07	- .18	- .38	- .43	- .43
01/24/11	22:20	- .42	- .43	- .27	- .38	- .43	- .27	- .07	- .18	- .23	- .23

01/24/11	22:30	-.23	-.38	-.27	-.22	-.38	-.58	-.46	-.27	-.06	-.18
01/24/11	22:40	-.22	-.22	-.22	-.38	-.42	-.42	-.26	-.39	-.42	-.26
01/24/11	22:50	-.38	-.26	-.06	-.02	-.18	-.22	-.39	-.26	-.22	-.22
01/24/11	23:00	-.22	-.39	-.59	-.63	-.46	-.26	-.39	-.42	-.42	-.59
01/24/11	23:10	-.46	-.26	-.22	-.22	-.22	-.06	-.02	-.02	-.19	-.39
01/24/11	23:20	-.43	-.26	-.06	-.03	-.19	-.56	-.63	-.29	-.23	-.23
01/24/11	23:30	-.06	-.19	-.22	-.06	-.03	-.03	-.19	-.39	-.43	-.26
01/24/11	23:40	-.22	-.39	-.26	-.23	-.40	-.43	-.60	-.46	-.25	-.23
01/24/11	23:50	-.22	-.23	-.22	-.23	-.22	-.23	-.23	-.23	-.23	-.23
01/25/11	00:00	-.05	-.02	-.20	-.23	-.05	-.20	-.05	-.02	-.02	-.20
01/25/11	00:10	-.22	-.39	-.42	-.25	-.23	-.22	-.40	-.42	-.25	-.05
01/25/11	00:20	-.20	-.22	-.22	-.22	-.04	-.02	-.02	-.20	-.40	-.42
01/25/11	00:30	-.42	-.42	-.25	-.04	-.20	-.04	-.02	-.02	-.37	-.60
01/25/11	00:40	-.62	-.62	-.44	-.43	-.24	-.22	-.22	-.04	-.02	-.02
01/25/11	00:50	-.02	-.20	-.22	-.22	-.40	-.24	-.22	-.22	-.22	-.22
01/25/11	01:00	-.22	-.41	-.24	-.04	-.02	-.21	-.41	-.43	-.24	-.22
01/25/11	01:10	-.22	-.22	-.41	-.43	-.43	-.42	.12	.72	.77	.77
01/25/11	01:20	.58	.01	-.21	-.22	-.22	-.04	-.03	-.21	-.22	-.22
01/25/11	01:30	-.04	-.21	-.22	.14	.35	.56	.38	.56	.38	.18
01/25/11	01:40	.17	-.01	-.02	.16	.36	.56	.19	.17	.55	.94
01/25/11	01:50	1.53	1.94	1.39	.98	.96	.96	.59	.38	.37	.37
01/25/11	02:00	.18	.17	-.01	-.41	.15	.75	.58	.57	.94	1.15
01/25/11	02:10	.96	.78	.77	.95	1.35	1.56	1.37	1.17	1.16	1.16
01/25/11	02:20	1.35	1.36	1.56	1.56	1.17	.96	.77	.57	.57	.57
01/25/11	02:30	.95	1.16	.96	.96	.96	.58	.57	.37	.37	.37
01/25/11	02:40	.37	.37	.37	.37	.17	.17	.17	.17	.17	-.02
01/25/11	02:50	-.02	.17	-.02	-.02	.17	.17	-.02	.17	.17	-.02
01/25/11	03:00	-.02	.16	-.02	-.02	-.02	-.02	-.02	-.02	-.02	-.02
01/25/11	03:10	-.22	-.02	-.02	-.23	-.42	-.22	-.22	-.02	-.02	-.03
01/25/11	03:20	-.43	-.42	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22
01/25/11	03:30	-.22	-.22	-.03	-.02	-.03	-.22	-.22	-.21	-.02	-.04
01/25/11	03:40	-.23	-.43	-.42	-.22	-.01	.16	-.03	-.03	-.04	-.24
01/25/11	03:50	-.43	-.42	-.23	-.23	-.43	-.43	-.44	-.63	-.61	-.41
01/25/11	04:00	-.22	-.23	-.24	-.44	-.62	-.41	-.24	-.43	-.43	-.41
01/25/11	04:10	-.23	-.24	-.43	-.41	-.19	.15	-.04	-.23	-.24	-.42
01/25/11	04:20	-.42	-.42	-.40	-.22	-.24	-.42	-.42	-.40	-.21	-.02
01/25/11	04:30	-.02	-.04	-.22	-.24	-.40	-.23	-.22	-.22	-.18	.15
01/25/11	04:40	-.06	-.42	-.42	-.40	-.22	-.22	-.24	-.44	-.62	-.58
01/25/11	04:50	-.20	-.02	-.04	-.25	-.40	-.22	-.25	-.40	-.25	-.43
01/25/11	05:00	-.40	-.25	-.42	-.43	-.42	-.43	-.40	-.22	-.22	-.20
01/25/11	05:10	-.02	-.03	-.03	-.05	-.25	-.43	-.40	-.20	-.05	-.22
01/25/11	05:20	-.20	-.03	-.03	-.05	-.23	-.22	-.23	-.25	-.42	-.43
01/25/11	05:30	-.43	-.42	-.42	-.42	-.42	-.39	-.23	-.20	-.02	-.05
01/25/11	05:40	-.20	-.05	-.25	-.42	-.42	-.39	-.22	-.25	-.42	-.42
01/25/11	05:50	-.45	-.59	-.35	-.05	-.22	-.22	-.19	-.02	-.02	-.02

01/25/11	06:00	.00	.17	.14	-.09	-.49	-.86	-.96	-.56	-.19	-.02
01/25/11	06:10	-.09	-.42	-.38	-.22	-.30	-.62	-.55	-.22	-.26	-.46
01/25/11	06:20	-.59	-.43	-.43	-.43	-.43	-.39	-.22	-.26	-.43	-.43
01/25/11	06:30	-.43	-.46	-.55	-.18	.01	.13	-.11	-.47	-.55	-.23
01/25/11	06:40	-.22	-.22	-.23	-.22	-.23	-.26	-.43	-.39	-.22	-.27
01/25/11	06:50	-.38	-.23	-.18	-.03	-.07	-.27	-.43	-.43	-.42	-.43
01/25/11	07:00	-.42	-.43	-.43	-.43	-.38	-.18	-.07	-.23	-.18	-.03
01/25/11	07:10	-.03	-.03	-.07	-.18	-.02	-.02	-.02	-.07	-.27	-.38
01/25/11	07:20	-.18	-.07	-.23	-.22	-.22	-.22	-.27	-.37	-.22	-.22
01/25/11	07:30	-.22	-.27	-.42	-.42	-.42	-.42	-.42	-.42	-.42	-.42
01/25/11	07:40	-.42	-.37	-.17	-.07	-.22	-.22	-.27	-.42	-.37	-.17
01/25/11	07:50	.02	.17	.12	-.02	-.07	-.22	-.22	-.22	-.17	.02
01/25/11	08:00	.17	.17	.17	.11	-.02	-.02	-.14	-.43	-.37	-.22
01/25/11	08:10	-.28	-.37	-.28	-.48	-.57	-.37	-.17	-.02	-.08	-.22
01/25/11	08:20	-.22	-.22	-.22	-.22	-.28	-.42	-.43	-.37	-.22	-.22
01/25/11	08:30	-.29	-.43	-.43	-.42	-.43	-.42	-.49	-.56	-.37	-.22
01/25/11	08:40	-.28	-.49	-.56	-.36	-.22	-.29	-.43	-.36	-.29	-.43
01/25/11	08:50	-.43	-.43	-.49	-.63	-.63	-.56	-.36	-.23	-.16	.03
01/25/11	09:00	.10	-.09	-.22	-.23	-.23	-.16	-.02	-.09	-.29	-.43
01/25/11	09:10	-.43	-.43	-.43	-.36	-.16	-.02	-.09	-.23	-.22	-.16
01/25/11	09:20	-.02	-.09	-.23	-.29	-.36	-.16	-.03	-.10	-.23	-.23
01/25/11	09:30	-.30	-.43	-.43	-.43	-.35	-.23	-.23	-.22	-.23	-.23
01/25/11	09:40	-.30	-.35	-.22	-.15	-.10	-.30	-.35	-.15	-.02	-.10
01/25/11	09:50	-.15	-.02	-.10	-.23	-.15	.04	.09	-.02	-.10	-.22
01/25/11	10:00	-.22	-.23	-.22	-.22	-.15	-.10	-.38	-.62	-.63	-.55
01/25/11	10:10	-.42	-.50	-.55	-.35	-.22	-.23	-.23	-.23	-.23	-.23
01/25/11	10:20	-.23	-.23	-.23	-.22	-.23	-.22	-.30	-.34	-.23	-.15
01/25/11	10:30	-.02	-.02	-.02	-.02	-.02	-.10	-.23	-.22	-.22	-.14
01/25/11	10:40	-.10	-.22	-.22	-.22	-.31	-.42	-.42	-.34	-.22	-.22
01/25/11	10:50	-.22	-.31	-.42	-.42	-.42	-.34	-.22	-.22	-.22	-.22
01/25/11	11:00	-.22	-.14	-.02	.06	.08	-.02	-.02	-.02	-.02	.06
01/25/11	11:10	.26	.37	.37	.19	-.02	-.11	-.23	-.14	-.02	-.02
01/25/11	11:20	-.02	.06	.17	.17	.08	-.02	.06	.17	.26	.46
01/25/11	11:30	.57	.48	.28	.17	.26	.19	-.11	-.13	-.12	-.13
01/25/11	11:40	-.02	.06	.17	.08	-.02	-.03	-.03	-.02	-.02	-.02
01/25/11	11:50	-.12	-.23	-.23	-.32	-.33	-.23	-.23	-.23	-.13	-.02
01/25/11	12:00	-.02	-.02	-.02	-.03	-.03	.06	.07	-.12	-.23	-.23
01/25/11	12:10	-.23	-.23	-.13	.06	.07	-.02	-.12	-.23	-.22	-.23
01/25/11	12:20	-.32	-.32	-.23	-.22	-.12	-.02	-.12	-.22	-.22	-.12
01/25/11	12:30	-.02	-.02	-.02	-.02	-.12	-.22	-.12	-.02	-.02	-.12
01/25/11	12:40	-.33	-.42	-.42	-.32	-.02	.07	-.13	-.22	-.33	-.42
01/25/11	12:50	-.42	-.32	-.12	.07	.07	-.13	-.23	-.23	-.23	-.23
01/25/11	13:00	-.22	-.22	-.12	-.02	-.13	-.23	-.33	-.32	-.23	-.23
01/25/11	13:10	-.23	-.12	-.02	-.02	-.13	-.23	-.23	-.23	-.33	-.43
01/25/11	13:20	-.42	-.32	-.11	-.02	-.02	-.13	-.22	-.11	.08	.06

01/25/11	13:30	- .13	- .22	- .11	- .02	- .14	.10	.70	1.53	2.64	9.39
01/25/11	13:40	20.26	22.89	19.41	15.45	11.29	10.12	11.12	10.64	9.04	7.11
01/25/11	13:50	4.91	3.85	3.53	2.45	.97	.60	1.00	1.39	1.68	2.81
01/25/11	14:00	4.61	4.55	3.15	3.62	5.41	5.69	4.78	3.77	2.89	2.56
01/25/11	14:10	2.68	2.77	2.65	2.09	1.18	1.00	1.40	1.32	.93	.88
01/25/11	14:20	1.20	1.36	1.36	1.12	.84	.65	.21	- .15	.01	.17
01/25/11	14:30	.17	.29	.49	.80	.96	.84	.64	.81	1.33	1.44
01/25/11	14:40	1.36	1.23	1.28	1.48	1.56	1.81	2.21	1.99	1.39	1.03
01/25/11	14:50	.96	.84	.64	.57	.44	.62	1.01	1.03	1.08	1.16
01/25/11	15:00	.91	.64	.44	.37	.50	.69	.77	.77	.89	1.08
01/25/11	15:10	1.16	1.03	.71	.44	.50	.70	.64	.57	.44	.37
01/25/11	15:20	.37	.24	.17	.30	.24	.30	.50	.57	.44	.37
01/25/11	15:30	.24	.04	-.03	-.03	.10	.17	.03	-.16	-.22	-.22
01/25/11	15:40	-.22	-.09	.10	.17	.03	.10	.30	.37	.50	.57
01/25/11	15:50	.57	.70	.63	.57	.70	.63	.43	.37	.37	.51
01/25/11	16:00	.71	.90	.83	.63	.57	.97	1.57	1.90	2.24	2.09
01/25/11	16:10	1.83	2.47	3.32	2.87	1.86	1.70	1.76	1.62	1.42	1.22
01/25/11	16:20	1.02	1.38	1.84	2.10	2.45	2.71	2.77	3.18	3.64	3.62
01/25/11	16:30	3.41	3.21	3.02	2.97	2.82	2.77	2.62	3.13	4.08	3.22
01/25/11	16:40	1.61	1.16	1.30	1.65	2.05	3.16	4.85	5.36	5.36	4.36
01/25/11	16:50	2.79	2.81	3.40	2.98	2.33	1.87	1.47	1.21	1.01	.82
01/25/11	17:00	.77	.77	.77	.91	1.40	2.15	2.66	2.62	2.72	3.81
01/25/11	17:10	5.06	6.86	8.86	9.80	10.55	12.85	15.80	13.40	9.35	13.30
01/25/11	17:20	19.59	24.88	29.73	26.29	20.25	18.60	18.25	16.65	14.64	14.31
01/25/11	17:30	14.65	13.06	10.56	9.50	9.05	8.49	7.89	8.52	9.53	8.08
01/25/11	17:40	5.88	5.97	6.77	8.18	9.78	10.15	10.30	9.44	8.21	7.65
01/25/11	17:50	6.94	8.01	9.60	9.49	8.57	8.51	8.87	8.48	8.04	8.74
01/25/11	18:00	9.73	10.11	10.31	10.98	11.62	13.32	15.32	13.19	10.16	9.56
01/25/11	18:10	9.56	9.08	8.63	7.44	6.04	6.56	7.40	8.36	9.36	8.59
01/25/11	18:20	7.40	8.92	10.95	10.23	9.15	9.12	9.16	9.49	10.21	9.70
01/25/11	18:30	9.07	7.82	6.58	7.18	8.17	8.03	7.64	6.58	5.38	5.49
01/25/11	18:40	5.88	5.79	5.44	5.52	5.71	9.84	15.42	19.18	22.58	23.47
01/25/11	18:50	23.87	20.61	16.78	22.14	28.84	27.60	24.97	20.37	15.54	16.74
01/25/11	19:00	19.14	19.03	18.44	21.84	25.86	22.85	18.23	16.86	16.24	13.43
01/25/11	19:10	10.40	9.62	9.05	9.30	9.86	10.12	10.15	6.75	2.93	2.37
01/25/11	19:20	2.37	6.44	10.90	12.39	13.40	8.19	2.16	3.27	5.29	6.60
01/25/11	19:30	7.79	7.44	7.19	6.99	5.92	4.55	3.84	4.98	6.02	8.06
01/25/11	19:40	10.26	14.53	18.95	17.98	16.52	16.17	15.62	13.96	12.16	10.36
01/25/11	19:50	8.74	9.26	10.23	10.00	9.25	8.98	9.49	7.96	3.69	1.05
01/25/11	20:00	-1.17	-.01	6.52	8.59	6.59	6.53	6.55	6.92	7.67	7.75
01/25/11	20:10	7.75	7.58	7.38	7.89	8.13	7.26	6.62	6.56	6.38	6.90
01/25/11	20:20	7.32	7.54	7.73	7.94	8.32	8.35	8.17	6.88	4.93	4.77
01/25/11	20:30	6.04	6.53	6.56	7.30	7.72	7.94	8.32	7.63	7.01	6.78

01/25/11	20:40	6.94	7.51	8.11	8.15	7.97	8.70	9.13	8.78	9.87	9.77
01/25/11	20:50	8.45	6.87	5.63	5.38	5.54	6.68	7.51	6.44	5.43	7.04
01/25/11	21:00	9.02	9.16	9.16	11.62	14.22	12.07	9.49	9.74	10.13	9.96
01/25/11	21:10	9.77	8.61	7.42	5.08	2.88	2.96	3.16	4.49	5.89	8.04
01/25/11	21:20	10.24	10.35	10.35	11.90	13.50	12.39	11.58	8.85	5.86	4.02
01/25/11	21:30	2.42	1.78	1.18	1.35	1.56	1.76	1.57	3.50	5.88	7.69
01/25/11	21:40	8.72	8.76	9.35	8.77	8.16	7.96	7.76	7.95	7.95	8.15
01/25/11	21:50	8.75	7.39	5.58	7.33	9.13	8.37	8.15	6.39	4.40	3.19
01/25/11	22:00	2.17	2.77	2.97	4.77	6.96	6.96	6.96	6.56	6.35	5.96
01/25/11	22:10	5.36	6.16	6.76	5.75	4.76	4.76	4.56	5.75	7.36	6.95
01/25/11	22:20	6.36	6.56	6.94	5.94	4.77	4.76	4.79	5.98	7.55	6.54
01/25/11	22:30	5.40	7.19	9.03	13.22	17.45	12.06	7.18	8.36	8.71	7.33
01/25/11	22:40	6.41	7.80	9.11	7.71	6.36	6.37	6.76	6.78	7.57	13.75
01/25/11	22:50	19.36	13.98	8.99	9.98	10.72	9.72	8.56	8.78	9.19	9.78
01/25/11	23:00	10.13	9.77	9.83	7.45	5.39	5.98	6.34	5.94	5.55	5.35
01/25/11	23:10	5.24	6.84	8.40	9.41	10.15	6.18	2.87	4.89	6.53	6.11
01/25/11	23:20	5.58	5.97	6.26	7.84	9.14	8.96	8.93	8.47	7.38	7.55
01/25/11	23:30	7.40	8.03	9.06	7.63	6.02	7.05	8.20	6.41	4.75	4.54
01/25/11	23:40	4.53	6.50	8.15	8.17	8.35	8.34	8.10	7.51	6.98	7.11
01/25/11	23:50	6.64	7.71	9.21	7.40	5.65	6.85	7.67	6.92	6.67	7.85
01/26/11	00:00	8.78	9.02	9.36	7.31	4.94	4.79	4.98	5.11	4.42	3.11
01/26/11	00:10	2.71	4.06	4.78	3.03	1.82	2.39	2.47	1.69	1.26	2.06
01/26/11	00:20	2.72	2.28	1.80	3.77	5.48	6.45	7.19	7.43	7.95	7.88
01/26/11	00:30	7.13	5.20	3.96	3.43	-1.10	-3.47	1.76	4.29	3.79	3.88
01/26/11	00:40	3.55	4.95	6.19	6.33	6.27	7.23	8.53	5.28	2.27	3.05
01/26/11	00:50	3.64	3.69	.17	-1.67	3.62	6.04	5.69	7.20	3.85	-3.40
01/26/11	01:00	-1.26	4.34	5.27	4.65	4.05	4.63	4.96	5.05	5.74	6.88
01/26/11	01:10	8.04	11.26	13.61	9.89	6.86	8.72	10.79	12.15	12.55	8.96
01/26/11	01:20	5.92	5.79	6.19	7.59	8.46	6.66	5.46	7.23	8.62	9.12
01/26/11	01:30	9.78	8.69	6.80	3.80	2.17	1.98	1.23	1.74	2.68	3.21
01/26/11	01:40	3.25	2.69	2.48	3.11	3.47	1.54	-.64	2.95	7.29	6.34
01/26/11	01:50	3.01	.20	-1.42	-1.06	.60	2.08	4.12	3.80	4.05	8.28
01/26/11	02:00	10.87	9.44	7.95	6.96	6.12	5.88	5.91	7.76	9.40	7.96
01/26/11	02:10	2.12	6.96	13.49	1.48	-4.23	-2.30	.04	1.42	.64	2.89
01/26/11	02:20	4.98	5.89	6.40	7.08	9.21	9.80	8.04	6.11	6.17	7.05
01/26/11	02:30	7.28	6.82	6.55	7.49	8.41	7.82	7.92	10.36	12.30	12.01
01/26/11	02:40	11.46	11.02	10.23	8.97	8.35	7.94	7.12	9.05	9.50	10.46
01/26/11	02:50	10.56	6.11	8.36	11.80	11.40	11.55	11.06	9.06	8.01	9.56
01/26/11	03:00	9.85	8.96	8.71	7.71	7.36	8.86	9.56	8.86	8.31	7.30
01/26/11	03:10	6.77	7.63	8.25	7.42	6.38	7.99	8.46	6.61	7.72	10.99
01/26/11	03:20	11.68	7.90	5.98	4.02	-4.62	-2.33	5.51	9.17	6.23	3.53
01/26/11	03:30	6.52	6.37	2.65	3.81	4.46	2.60	.88	.45	1.61	2.60
01/26/11	03:40	1.66	.25	.70	.53	-4.62	-4.17	-1.61	1.00	-1.48	-.72
01/26/11	03:50	2.38	4.17	1.03	-2.43	.34	3.14	2.04	3.02	6.08	4.92
01/26/11	04:00	3.30	9.88	13.71	7.52	4.34	3.74	.52	-.70	1.78	3.18

01/26/11	04:10	2.87	4.47	5.81	6.80	6.99	4.10	.98	.30	.69	1.21
01/26/11	04:20	2.84	6.17	9.68	12.10	10.96	10.68	6.78	-1.68	1.30	3.90
01/26/11	04:30	1.43	1.36	.83	.50	.37	.30	.77	2.57	4.30	4.10
01/26/11	04:40	-.15	-2.22	2.03	5.56	6.89	5.70	.97	-3.19	-3.36	2.39
01/26/11	04:50	9.24	9.10	7.86	7.83	3.76	1.19	2.10	3.27	6.01	7.95
01/26/11	05:00	7.95	7.88	7.82	6.35	4.48	11.10	18.30	10.87	2.49	8.67
01/26/11	05:10	15.38	9.49	5.22	6.36	6.72	7.73	8.43	8.78	9.23	9.28
01/26/11	05:20	10.26	13.18	13.63	10.03	7.46	6.42	6.32	8.25	9.82	11.17
01/26/11	05:30	10.93	7.73	6.37	8.05	8.93	8.24	8.21	9.34	10.26	10.91
01/26/11	05:40	11.08	11.03	11.69	13.16	13.45	11.46	10.63	11.59	10.75	8.08
01/26/11	05:50	6.76	6.44	6.84	9.35	10.60	9.04	8.03	8.15	7.99	7.19
01/26/11	06:00	6.52	8.28	10.55	9.91	9.29	9.92	9.15	6.84	6.22	7.99
01/26/11	06:10	8.74	7.57	7.17	8.25	8.70	8.19	7.87	7.68	7.23	6.43
01/26/11	06:20	7.12	10.01	10.25	6.77	5.83	7.83	8.18	5.78	4.57	6.92
01/26/11	06:30	8.00	5.55	4.74	6.54	6.61	4.32	3.22	3.82	5.20	7.60
01/26/11	06:40	9.56	10.87	11.29	10.77	12.62	16.94	16.98	12.29	11.19	14.30
01/26/11	06:50	15.68	15.16	17.28	22.39	25.32	25.62	23.48	18.58	16.31	17.19
01/26/11	07:00	18.64	20.55	19.86	16.36	13.70	11.82	11.03	11.73	11.78	10.98
01/26/11	07:10	10.45	10.16	10.23	10.74	11.14	11.44	12.95	16.13	17.30	15.90
01/26/11	07:20	14.96	14.65	12.81	9.22	7.07	6.66	7.62	9.82	10.66	10.07
01/26/11	07:30	9.47	8.87	8.36	7.96	7.08	5.78	5.64	6.64	9.28	13.39
01/26/11	07:40	15.06	14.55	14.05	13.55	12.45	10.66	9.86	10.05	8.56	5.46
01/26/11	07:50	4.76	6.26	6.96	6.96	6.86	6.76	6.86	6.96	8.26	10.95
01/26/11	08:00	12.66	13.15	13.35	13.45	12.93	11.73	12.29	14.59	12.55	6.36
01/26/11	08:10	5.12	8.51	10.67	11.67	12.56	13.15	14.17	15.98	18.70	21.89
01/26/11	08:20	20.57	15.59	15.05	18.25	20.59	21.98	19.87	14.99	12.74	12.64
01/26/11	08:30	16.49	23.78	23.40	16.73	12.90	11.30	12.58	16.37	19.85	22.98
01/26/11	08:40	21.81	17.32	13.48	9.97	11.65	17.76	20.88	21.36	19.92	17.16
01/26/11	08:50	15.20	13.58	13.28	14.28	14.32	13.63	13.67	14.06	14.48	15.07
01/26/11	09:00	13.37	9.77	9.80	12.83	12.34	9.25	8.75	9.92	10.81	11.72
01/26/11	09:10	10.57	7.55	7.29	9.28	9.36	7.85	5.92	3.72	2.77	2.89
01/26/11	09:20	3.79	4.95	4.55	3.27	2.89	3.09	3.63	4.55	4.96	4.96
01/26/11	09:30	4.26	2.95	2.49	2.80	2.86	2.30	2.78	4.20	4.88	4.96
01/26/11	09:40	4.60	4.12	6.93	11.87	11.85	8.37	6.38	5.38	5.78	7.06
01/26/11	09:50	7.21	6.61	6.01	5.53	4.78	3.78	3.48	3.80	3.84	3.64
01/26/11	10:00	3.80	4.44	5.24	5.92	7.84	10.76	9.32	4.93	5.69	9.88
01/26/11	10:10	10.36	8.35	7.44	7.24	7.16	7.04	6.45	5.78	6.32	7.39
01/26/11	10:20	6.11	3.39	2.37	2.49	3.45	4.73	5.79	7.05	6.42	4.49
01/26/11	10:30	3.76	3.63	3.06	2.26	2.22	2.50	2.44	2.24	2.92	4.25
01/26/11	10:40	4.13	3.13	4.66	7.65	10.15	12.34	12.64	11.71	11.48	11.55
01/26/11	10:50	11.68	12.01	10.76	8.44	5.79	3.20	2.36	2.24	1.90	1.63
01/26/11	11:00	1.69	1.63	1.30	1.04	1.22	1.49	1.82	2.22	3.01	4.14
01/26/11	11:10	6.64	9.83	11.86	13.39	14.22	14.35	13.28	11.82	11.62	11.62
01/26/11	11:20	11.00	10.48	10.62	10.89	14.36	19.09	18.08	14.35	11.24	8.57
01/26/11	11:30	5.32	1.90	.64	.30	.44	.84	1.24	1.64	2.17	2.78

01/26/11	11:40	2.14	.54	.38	1.25	3.34	5.66	5.68	4.54	4.44	5.11
01/26/11	11:50	7.13	9.05	8.60	8.29	7.93	6.63	5.46	4.60	6.74	9.85
01/26/11	12:00	9.64	8.45	8.57	8.90	9.79	10.86	8.91	5.86	9.16	15.15
01/26/11	12:10	15.26	12.87	11.86	11.46	9.49	6.89	5.16	3.90	5.42	8.02
01/26/11	12:20	7.04	4.79	7.60	12.39	10.46	5.72	4.36	4.80	5.82	5.45
01/26/11	12:30	4.16	4.91	12.39	21.11	18.22	11.37	8.67	7.18	6.46	5.91
01/26/11	12:40	4.88	3.54	4.34	1.54	-3.29	-4.62	-4.62	-1.10	4.27	5.17
01/26/11	12:50	3.20	1.22	.77	.17	.12	.47	4.02	8.46	9.56	9.41
01/26/11	13:00	8.91	8.15	6.01	3.72	4.67	6.51	5.01	2.41	4.02	6.86
01/26/11	13:10	8.16	8.82	6.81	4.32	3.46	2.91	4.91	.05	3.43	22.88
01/26/11	13:20	17.31	.62	-.51	-3.30	-2.58	3.03	.73	-3.64	-4.62	-.94
01/26/11	13:30	4.24	1.61	-3.49	-4.62	1.17	1.51	1.00	1.12	2.10	2.21
01/26/11	13:40	.92	.26	1.10	2.93	2.42	1.08	.77	.45	.99	1.80
01/26/11	13:50	2.13	2.32	2.04	1.64	1.56	1.40	1.52	1.40	3.44	6.04
01/26/11	14:00	5.44	4.52	3.25	1.84	3.81	6.44	6.16	-2.50	-4.62	5.97
01/26/11	14:10	2.97	-3.45	3.37	9.24	.37	.78	4.47	-2.82	-4.62	-.53
01/26/11	14:20	2.33	-3.26	-4.61	-4.61	.76	-2.91	3.31	22.25	9.48	-2.82
01/26/11	14:30	3.86	4.90	4.10	3.63	6.56	9.82	9.36	8.49	6.36	2.80
01/26/11	14:40	3.00	6.16	6.42	4.70	4.70	5.10	3.49	1.49	1.50	1.91
01/26/11	14:50	2.48	3.07	3.33	3.36	4.90	6.52	5.07	3.24	2.12	.95
01/26/11	15:00	1.27	2.04	2.17	2.17	2.34	2.71	2.77	2.42	2.36	2.71
01/26/11	15:10	4.50	6.14	5.66	4.87	4.59	4.22	4.16	4.16	2.96	.86
01/26/11	15:20	2.13	4.45	4.25	4.17	3.82	2.90	3.63	4.65	8.47	12.48
01/26/11	15:30	8.36	3.17	3.80	5.19	3.41	1.57	3.12	5.12	3.59	1.77
01/26/11	15:40	2.45	2.39	3.24	5.48	5.40	4.83	4.77	4.77	3.68	2.49
01/26/11	15:50	3.80	.00	-3.84	-4.58	-4.62	.40	7.43	7.26	5.72	4.49
01/26/11	16:00	3.28	1.73	1.38	1.18	2.43	3.84	3.60	3.20	4.81	6.98
01/26/11	16:10	M	M	M	M	M	M	M	M	M	M
01/26/11	16:20	M	M	M	M	M	M	M	M	M	M
01/26/11	16:30	M	M	M	M	M	M	M	M	M	M
01/26/11	16:40	M	M	M	M	M	M	M	M	M	M
01/26/11	16:50	M	M	M	M	M	M	M	M	M	M
01/26/11	17:00	M	M	M	M	M	M	M	M	M	M
01/26/11	17:10	M	M	M	M	M	M	M	M	M	M
01/26/11	17:20	M	M	M	M	M	M	M	M	M	M
01/26/11	17:30	M	M	M	M	M	M	M	M	M	M
01/26/11	17:40	M	M	M	M	M	M	M	M	M	M
01/26/11	17:50	M	M	M	M	M	M	M	M	M	M
01/26/11	18:00	M	M	M	M	M	M	M	M	M	M
01/26/11	18:10	M	M	M	M	M	M	M	M	10.35	10.16
01/26/11	18:20	10.97	11.78	12.37	12.95	12.94	12.75	12.75	12.78	13.57	13.96
01/26/11	18:30	14.16	14.32	13.72	12.75	12.95	13.22	15.22	17.16	17.56	17.93
01/26/11	18:40	17.52	16.85	15.06	13.34	13.12	12.53	12.35	12.60	13.82	15.25
01/26/11	18:50	17.23	18.96	19.37	19.84	17.85	16.12	15.54	15.33	14.93	14.44
01/26/11	19:00	12.83	11.32	13.74	16.34	16.14	15.91	15.32	14.98	15.59	16.08

01/26/11	19:10	15.11	14.61	15.61	16.51	16.14	15.91	15.29	14.51	14.12	13.77
01/26/11	19:20	13.95	13.95	13.95	13.97	14.15	14.28	15.88	17.29	16.71	16.43
01/26/11	19:30	17.43	18.28	17.46	16.34	13.97	11.98	12.38	12.81	13.59	14.21
01/26/11	19:40	16.82	19.24	18.25	17.64	20.66	23.68	25.08	26.71	30.51	34.03
01/26/11	19:50	35.00	35.34	31.59	28.15	24.35	21.02	21.83	22.56	20.71	18.54
01/26/11	20:00	15.22	12.77	12.99	13.30	12.88	12.07	9.65	7.46	8.22	8.80
01/26/11	20:10	9.16	9.13	8.93	8.71	8.31	7.79	6.37	5.07	5.86	6.53
01/26/11	20:20	6.30	5.82	4.83	3.96	3.96	3.99	4.22	4.51	4.08	3.56
01/26/11	20:30	3.53	3.42	3.79	4.10	5.07	5.75	5.76	5.78	5.96	5.81
01/26/11	20:40	4.81	4.08	4.86	5.27	4.71	4.66	6.69	9.18	13.35	16.35
01/26/11	20:50	13.82	11.86	11.26	10.84	11.41	12.23	15.51	19.01	23.04	25.87
01/26/11	21:00	21.91	20.01	27.63	32.83	25.03	19.61	25.94	31.43	34.46	35.65
01/26/11	21:10	26.83	20.00	23.93	27.17	28.56	29.84	30.47	30.14	24.67	19.65
01/26/11	21:20	18.12	17.03	16.33	15.64	17.27	18.56	17.52	16.52	16.35	15.99
01/26/11	21:30	14.01	12.33	11.10	9.73	8.50	7.52	8.27	8.88	9.44	9.76
01/26/11	21:40	9.76	10.12	11.87	13.18	13.47	14.11	14.90	15.59	15.79	15.71
01/26/11	21:50	14.55	13.67	13.23	12.43	10.81	9.08	6.89	5.16	5.12	4.87
01/26/11	22:00	4.52	4.88	7.24	10.12	15.47	18.59	14.28	11.20	11.35	11.52
01/26/11	22:10	12.32	13.12	13.88	13.43	9.17	5.77	4.93	4.07	3.62	3.07
01/26/11	22:20	2.67	2.27	1.87	1.56	1.51	1.36	1.31	1.16	1.12	.96
01/26/11	22:30	.92	.82	1.01	1.06	.72	.52	.37	.37	.37	.52
01/26/11	22:40	1.06	1.41	1.56	1.61	1.91	2.37	2.27	2.11	2.71	2.96
01/26/11	22:50	2.17	1.41	.81	.48	.82	.96	1.01	1.11	.91	.72
01/26/11	23:00	.57	.57	.62	.66	.32	.22	.37	.42	.57	.62
01/26/11	23:10	.77	1.09	2.36	3.81	5.41	7.07	8.92	10.86	12.71	14.94
01/26/11	23:20	17.74	21.89	29.48	38.99	53.37	60.95	51.37	43.03	37.84	35.76
01/26/11	23:30	41.50	44.55	41.35	41.27	48.52	54.35	56.61	61.05	70.36	77.78
01/26/11	23:40	80.18	79.04	69.72	68.19	84.51	95.06	92.40	87.57	78.04	70.62
01/26/11	23:50	67.83	67.20	71.40	71.04	60.91	51.25	42.33	36.45	36.66	35.83
01/27/11	00:00	33.63	31.18	28.25	28.48	35.27	40.61	42.68	42.58	38.51	32.95
01/27/11	00:10	23.47	16.15	12.48	11.61	16.54	18.87	16.34	14.01	11.74	10.28
01/27/11	00:20	10.68	11.15	11.75	11.88	11.22	10.09	7.55	6.16	6.76	6.96
01/27/11	00:30	6.35	5.61	4.61	3.96	3.96	3.89	3.69	3.21	2.43	2.52
01/27/11	00:40	3.31	3.35	2.90	2.63	2.30	1.95	1.42	1.44	2.25	2.92
01/27/11	00:50	3.39	3.61	3.14	2.62	2.07	1.49	1.36	1.43	1.71	1.89
01/27/11	01:00	1.69	1.49	1.36	1.51	1.84	1.89	1.61	1.36	1.44	1.56
01/27/11	01:10	1.64	1.84	2.04	2.01	1.61	1.28	1.09	.97	1.12	1.29
01/27/11	01:20	1.09	.97	.97	1.05	1.16	1.09	.97	.97	.97	1.05
01/27/11	01:30	1.16	1.08	.89	.77	.85	.97	.97	1.05	1.24	1.36
01/27/11	01:40	1.28	1.09	1.05	1.16	1.16	1.16	1.24	1.28	1.08	.97
01/27/11	01:50	1.05	1.16	1.08	.97	.97	1.05	1.08	.97	.97	.97
01/27/11	02:00	.89	.77	.85	.97	.97	.97	.97	1.05	1.16	1.16
01/27/11	02:10	1.16	1.16	1.25	1.36	1.36	1.28	1.08	.97	1.06	1.08

01/27/11	02:20	1.05	1.25	1.45	1.56	1.56	1.47	1.36	1.36	1.36	1.27
01/27/11	02:30	1.16	1.25	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.27
01/27/11	02:40	1.16	1.08	1.06	1.16	1.16	1.16	1.16	1.26	1.46	1.56
01/27/11	02:50	1.56	1.56	1.56	1.47	1.36	1.27	1.16	1.25	1.45	1.56
01/27/11	03:00	1.56	1.56	1.47	1.36	1.45	1.56	1.46	1.36	1.46	1.46
01/27/11	03:10	1.27	1.16	1.26	1.46	1.66	1.76	1.86	2.06	2.26	2.27
01/27/11	03:20	2.07	2.06	2.26	2.17	1.86	1.96	2.17	2.17	2.26	2.86
01/27/11	03:30	3.76	3.96	3.76	3.66	3.26	5.46	10.55	13.55	14.25	13.05
01/27/11	03:40	10.25	10.06	12.15	13.77	15.07	16.27	17.26	18.16	18.96	19.13
01/27/11	03:50	18.74	19.06	20.06	19.82	18.52	20.11	24.20	26.23	26.44	27.36
01/27/11	04:00	28.75	29.74	30.54	30.29	29.31	29.04	29.24	29.12	28.61	27.91
01/27/11	04:10	27.11	26.41	25.82	24.58	22.78	22.37	23.07	23.13	22.73	22.54
01/27/11	04:20	22.44	21.17	18.82	17.42	16.93	18.73	22.21	22.64	20.75	19.39
01/27/11	04:30	18.28	17.42	16.82	17.43	19.02	19.20	18.20	17.64	17.44	16.80
01/27/11	04:40	15.58	13.49	11.00	9.16	7.65	6.85	6.65	6.11	5.31	5.08
01/27/11	04:50	5.28	5.36	5.59	5.87	6.18	6.01	5.42	4.48	3.29	2.77
01/27/11	05:00	2.77	3.00	3.52	3.76	3.64	3.33	3.17	2.94	2.42	2.05
01/27/11	05:10	1.96	1.85	1.65	1.56	1.68	1.76	1.76	1.76	1.65	1.56
01/27/11	05:20	1.44	1.36	1.48	1.56	1.44	1.72	2.57	2.73	2.21	1.96
01/27/11	05:30	1.96	1.96	2.20	2.00	1.28	1.20	1.60	4.76	9.75	11.75
01/27/11	05:40	11.63	9.09	4.97	3.36	3.36	2.87	1.95	1.68	1.89	2.09
01/27/11	05:50	2.29	2.12	1.72	2.43	3.83	4.49	4.69	4.15	2.91	2.24
01/27/11	06:00	1.91	1.64	1.43	1.36	1.23	1.29	1.62	1.63	1.43	.99
01/27/11	06:10	.52	.37	.37	.37	.24	.16	.29	.37	.37	.37
01/27/11	06:20	.37	.24	.17	.17	.04	-.02	-.02	-.15	-.23	-.09
01/27/11	06:30	-.02	-.02	.10	.04	-.02	-.15	-.22	-.22	-.09	-.02
01/27/11	06:40	-.02	-.16	-.09	-.02	-.02	-.02	-.02	.10	.17	.30
01/27/11	06:50	.24	.17	.17	.17	.17	.17	.17	.17	.03	-.03
01/27/11	07:00	-.03	-.03	-.16	-.36	-.15	.10	.30	.23	.17	.03
01/27/11	07:10	.10	.17	.03	-.02	-.02	-.02	-.02	-.02	-.02	-.02
01/27/11	07:20	-.02	-.16	-.22	-.22	-.22	-.22	-.22	-.08	-.02	-.02
01/27/11	07:30	-.02	-.16	-.22	-.08	-.16	-.22	-.08	-.02	-.02	-.02
01/27/11	07:40	-.02	-.02	-.03	-.02	-.17	-.08	-.03	-.17	-.22	-.08
01/27/11	07:50	-.03	-.02	-.03	-.03	-.17	-.22	-.23	-.23	-.22	-.08
01/27/11	08:00	-.02	-.03	-.02	-.03	-.17	-.23	-.08	-.02	-.17	-.23
01/27/11	08:10	-.23	-.08	-.17	-.37	-.28	-.23	-.37	-.42	-.28	-.23
01/27/11	08:20	-.23	-.22	-.22	-.23	-.22	-.22	-.07	-.17	-.23	-.07
01/27/11	08:30	-.17	-.07	-.02	-.02	-.02	-.02	-.02	-.18	-.23	-.07
01/27/11	08:40	-.02	-.18	-.23	-.07	-.02	-.02	-.02	-.02	-.02	-.18
01/27/11	08:50	-.22	-.23	-.23	-.38	-.42	-.42	-.42	-.42	-.27	-.22
01/27/11	09:00	-.38	-.27	-.22	-.22	-.22	-.22	-.22	-.06	-.02	-.02
01/27/11	09:10	-.18	-.23	-.23	-.06	-.02	-.19	-.23	-.07	-.19	-.38
01/27/11	09:20	-.26	-.06	-.19	-.38	-.27	-.22	-.23	-.22	-.38	-.26
01/27/11	09:30	-.39	-.59	-.63	-.46	-.26	-.23	-.39	-.42	-.42	-.26
01/27/11	09:40	-.23	-.22	-.22	-.22	-.22	-.39	-.59	-.46	-.26	-.22

01/27/11	09:50	-.22	-.22	-.22	-.22	-.39	-.42	-.42	-.42	-.42	-.42	-.42
01/27/11	10:00	-.26	-.22	-.22	-.22	-.39	-.42	-.42	-.26	-.39	-.43	-.43
01/27/11	10:10	-.26	-.23	-.22	-.06	.14	-.16	-.39	-.43	-.42	-.42	-.42
01/27/11	10:20	-.42	-.25	-.22	-.05	-.02	-.19	-.22	-.05	-.19	-.39	-.39
01/27/11	10:30	-.42	-.25	-.22	-.57	-.63	-.45	-.25	-.22	-.05	-.37	-.37
01/27/11	10:40	-.43	-.43	-.25	-.40	-.60	-.45	-.25	-.05	.14	-.17	-.17
01/27/11	10:50	-.23	-.40	-.43	-.25	-.05	-.02	-.20	-.40	-.42	-.42	-.42
01/27/11	11:00	-.60	-.45	-.25	-.22	-.40	-.25	-.22	-.23	-.40	-.43	-.43
01/27/11	11:10	-.24	-.22	-.40	-.61	-.63	-.45	-.43	-.24	-.22	-.22	-.22
01/27/11	11:20	-.22	-.40	-.42	-.06	-.02	-.20	-.40	-.60	-.63	-.44	-.44
01/27/11	11:30	-.43	-.42	-.24	-.23	-.23	-.23	-.41	-.42	-.24	-.04	-.04
01/27/11	11:40	-.21	-.59	-.44	-.43	-.42	-.24	-.04	-.21	-.04	-.03	-.03
01/27/11	11:50	-.03	-.02	-.21	-.41	-.24	-.22	-.03	-.02	-.21	-.22	-.22
01/27/11	12:00	-.03	-.02	-.02	-.02	-.21	-.41	-.42	-.42	-.23	-.03	-.03
01/27/11	12:10	-.21	-.41	-.42	-.42	-.62	-.43	-.42	-.42	-.23	-.03	-.03
01/27/11	12:20	-.21	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22
01/27/11	12:30	-.22	-.22	-.03	-.02	-.22	-.42	-.43	-.23	-.03	-.22	-.22
01/27/11	12:40	-.42	-.43	-.62	-.43	-.23	-.42	-.43	-.23	-.23	-.23	-.23
01/27/11	12:50	-.23	-.42	-.43	-.43	-.43	-.43	-.23	.16	.37	-.21	-.21
01/27/11	13:00	-.62	-.43	-.43	-.62	-.43	-.22	-.42	-.42	.17	.57	.57
01/27/11	13:10	.17	-.22	-.22	-.23	-.22	-.42	-.02	-.23	-.42	-.03	-.03
01/27/11	13:20	-.23	-.43	-.23	-.03	-.63	-.82	-.42	-.22	-.22	-.22	-.22
01/27/11	13:30	.17	.36	-.03	-.62	-.42	-.42	-.22	-.03	-.23	-.23	-.23
01/27/11	13:40	-.42	-.22	-.23	-.42	-.22	-.22	-.22	-.22	-.22	-.03	-.03
01/27/11	13:50	-.22	-.22	-.01	.16	-.02	-.02	-.03	-.23	-.42	-.42	-.42
01/27/11	14:00	-.42	-.22	-.03	-.03	-.02	-.01	.16	-.02	-.02	-.03	-.03
01/27/11	14:10	-.22	-.22	-.22	-.22	-.22	-.23	-.22	-.23	-.22	-.22	-.22
01/27/11	14:20	-.22	-.24	-.62	-.60	-.24	-.42	-.41	-.24	-.42	-.41	-.41
01/27/11	14:30	-.24	-.41	-.22	-.24	-.44	-.63	-.61	-.43	-.44	-.60	-.60
01/27/11	14:40	-.20	.15	-.03	-.02	-.03	-.04	-.22	-.22	-.24	-.43	-.43
01/27/11	14:50	-.39	-.02	-.04	-.24	-.41	-.22	-.24	-.42	-.44	-.61	-.61
01/27/11	15:00	-.40	-.24	-.42	-.38	-.02	-.06	-.42	-.41	-.22	-.22	-.22
01/27/11	15:10	-.22	-.22	-.22	-.24	-.42	-.40	-.22	-.22	-.24	-.42	-.42
01/27/11	15:20	-.40	-.22	-.25	-.43	-.40	-.22	-.22	-.22	-.20	-.02	-.02
01/27/11	15:30	-.04	-.25	-.42	-.40	-.22	-.22	-.22	-.20	-.02	-.05	-.05
01/27/11	15:40	-.23	-.20	-.03	.00	.20	.34	.11	-.25	-.42	-.39	-.39
01/27/11	15:50	-.22	-.22	-.22	-.22	-.22	-.22	-.17	.22	.52	.08	.08
01/27/11	16:00	-.42	-.39	-.19	-.05	-.25	-.40	-.19	-.02	-.02	-.02	-.02
01/27/11	16:10	-.05	-.22	-.22	-.22	-.25	-.39	-.25	-.42	-.39	-.19	-.19
01/27/11	16:20	-.05	-.22	-.22	-.19	-.05	-.26	-.39	-.19	-.02	-.09	-.09
01/27/11	16:30	-.42	-.42	-.39	-.22	-.29	-.63	-.56	-.22	-.22	-.19	-.19
01/27/11	16:40	.00	.13	-.06	-.22	-.22	-.22	-.19	-.02	-.06	-.26	-.26
01/27/11	16:50	-.39	-.22	-.19	-.10	-.46	-.59	-.43	-.43	-.43	-.43	-.43
01/27/11	17:00	-.43	-.38	-.18	-.06	-.30	-.62	-.54	-.22	-.22	-.22	-.22
01/27/11	17:10	-.18	-.02	-.06	-.26	-.46	-.58	-.42	-.38	-.27	-.47	-.47

01/27/11	17:20	-.58	-.43	-.47	-.62	-.62	-.58	-.33	.01	.13	-.06
01/27/11	17:30	-.31	-.62	-.54	-.18	-.06	-.22	-.22	-.22	-.22	-.22
01/27/11	17:40	-.27	-.47	-.63	-.53	-.22	-.27	-.42	-.37	-.22	-.22
01/27/11	17:50	-.18	.02	.07	-.27	-.33	-.02	-.02	-.07	-.22	-.22
01/27/11	18:00	-.27	-.42	-.42	-.42	-.37	-.27	-.38	-.17	-.02	-.12
01/27/11	18:10	-.47	-.58	-.37	-.17	.02	.12	-.07	-.28	-.42	-.42
01/27/11	18:20	-.37	-.22	-.33	-.68	-.77	-.52	-.28	-.47	-.52	-.17
01/27/11	18:30	-.07	-.33	-.62	-.52	-.22	-.22	-.16	-.13	-.48	-.57
01/27/11	18:40	-.36	-.28	-.48	-.57	-.42	-.37	-.22	-.22	-.28	-.42
01/27/11	18:50	-.48	-.63	-.57	-.37	-.23	-.22	-.22	-.28	-.48	-.56
01/27/11	19:00	-.42	-.36	-.22	-.28	-.48	-.63	-.50	-.22	-.28	-.36
01/27/11	19:10	-.16	-.08	-.22	-.29	-.49	-.62	-.50	-.16	-.02	-.08
01/27/11	19:20	-.22	-.29	-.49	-.56	-.30	-.02	-.09	-.22	-.16	-.02
01/27/11	19:30	-.02	-.02	-.15	-.43	-.43	-.49	-.63	-.56	-.36	-.16
01/27/11	19:40	-.09	-.23	-.16	-.02	-.09	-.23	-.22	-.22	-.22	-.29
01/27/11	19:50	-.42	-.35	-.22	-.22	-.22	-.15	-.02	-.02	-.02	-.09
01/27/11	20:00	-.22	-.15	-.03	-.02	-.03	-.03	-.02	-.09	-.30	-.43
01/27/11	20:10	-.29	.04	.17	.09	-.10	-.22	-.15	-.09	-.22	-.15
01/27/11	20:20	.04	.17	.10	-.09	-.22	-.22	-.15	-.02	-.09	-.30
01/27/11	20:30	-.35	-.15	-.10	-.30	-.42	-.43	-.35	-.22	-.30	-.35
01/27/11	20:40	-.22	-.23	-.22	-.23	-.23	-.15	-.10	-.30	-.35	-.22
01/27/11	20:50	-.23	-.15	-.02	.05	.17	.09	-.10	-.30	-.34	-.14
01/27/11	21:00	-.10	-.22	-.06	.17	.01	-.30	-.34	-.14	-.10	-.22
01/27/11	21:10	-.22	-.22	-.14	-.11	-.14	.05	.17	.17	.17	.00
01/27/11	21:20	-.31	-.43	-.43	-.43	-.26	-.02	-.02	.05	.08	-.20
01/27/11	21:30	-.51	-.54	-.25	-.02	-.02	-.02	-.11	-.31	-.42	-.34
01/27/11	21:40	-.05	.00	-.31	-.43	-.43	-.34	-.14	-.02	-.11	-.13
01/27/11	21:50	-.02	.06	.17	.00	-.14	-.03	-.02	-.02	-.12	-.23
01/27/11	22:00	-.14	-.02	-.02	.15	.37	.37	.19	-.20	-.33	-.22
01/27/11	22:10	-.13	.06	.08	-.21	-.52	-.53	-.33	-.13	.06	.07
01/27/11	22:20	-.12	-.13	-.02	-.11	-.22	-.13	.06	-.02	-.22	-.22
01/27/11	22:30	-.22	-.32	-.43	-.33	-.13	-.12	-.22	-.32	-.43	-.33
01/27/11	22:40	-.13	.06	.07	-.12	-.13	.06	.17	.07	-.02	-.13
01/27/11	22:50	-.22	-.12	-.12	-.42	-.43	-.02	.17	-.02	-.32	-.22
01/27/11	23:00	.07	.07	.07	.17	-.02	-.22	-.22	-.22	-.12	.18
01/27/11	23:10	.37	.26	.17	.17	.06	-.02	-.03	-.03	-.13	-.23
01/27/11	23:20	-.12	-.03	-.02	-.02	-.13	-.23	-.12	-.02	.08	.17
01/27/11	23:30	.17	.17	.06	-.13	-.11	.08	.06	-.02	.08	.17
01/27/11	23:40	.06	.07	.17	.06	-.03	-.03	-.03	-.03	-.14	-.34
01/27/11	23:50	-.21	.08	.17	.06	-.14	-.11	.08	.17	.06	-.02
01/28/11	00:00	-.13	-.22	-.11	.08	.40	.57	.57	.34	.17	.17
01/28/11	00:10	.17	.05	-.14	-.22	-.11	.20	.37	.26	.05	-.03
01/28/11	00:20	-.03	-.03	.08	-.05	-.22	.00	.17	.28	.37	.37
01/28/11	00:30	.37	.37	.37	.14	.20	.61	.54	.37	.14	-.14

01/28/11	00:40	.00	.29	.14	-.14	.01	.29	.25	.05	.09	.41
01/28/11	00:50	.45	.25	.05	-.03	.09	.41	.69	.65	.33	-.07
01/28/11	01:00	-.23	.01	.17	.17	.29	.37	.37	.37	.37	.25
01/28/11	01:10	.17	.29	.37	.25	.05	.09	.17	.29	.49	.45
01/28/11	01:20	.37	.37	.37	.37	.37	.24	.17	.42	.44	.24
01/28/11	01:30	.29	.50	.44	.24	.29	.50	.44	.24	.04	-.03
01/28/11	01:40	.09	.17	.17	.30	.24	.17	.17	.17	.30	.37
01/28/11	01:50	.37	.37	.24	.04	.10	.04	-.15	-.09	-.02	.10
01/28/11	02:00	.17	.03	.10	.30	.37	.24	.03	-.02	.10	.17
01/28/11	02:10	.17	.17	.03	-.16	-.09	-.03	-.02	.10	.17	.17
01/28/11	02:20	.03	-.03	-.16	-.09	-.03	-.02	-.16	-.22	-.09	-.02
01/28/11	02:30	-.02	-.02	-.02	-.16	-.08	-.02	-.02	-.02	.10	.03
01/28/11	02:40	-.02	.11	.03	-.16	-.08	-.02	-.02	-.02	-.02	.11
01/28/11	02:50	.03	-.03	-.03	.11	.17	.17	.17	.17	.17	.17
01/28/11	03:00	.31	.37	.37	.37	.22	.17	.02	.11	.31	.22
01/28/11	03:10	.17	.17	.17	.17	.03	-.02	.11	.03	.12	.32
01/28/11	03:20	.37	.08	-.02	.12	.17	.02	.11	.17	.17	.17
01/28/11	03:30	.02	.12	.17	.02	-.02	-.02	-.03	.11	.17	.02
01/28/11	03:40	-.03	.12	.17	.17	.17	.02	-.18	-.07	-.02	-.02
01/28/11	03:50	.12	.32	.22	.17	.32	.37	.22	.17	.02	-.02
01/28/11	04:00	.12	.02	-.02	-.02	-.02	-.02	-.02	-.02	-.02	.12
01/28/11	04:10	.02	-.02	.12	.01	.12	.17	.17	.17	.17	.01
01/28/11	04:20	-.03	.12	.17	.01	-.02	.12	.32	.21	.01	.12
01/28/11	04:30	.17	.17	.17	.01	-.18	-.23	-.06	-.02	-.02	-.02
01/28/11	04:40	.13	.33	.37	.21	.01	-.02	-.02	-.18	-.22	-.22
01/28/11	04:50	-.22	-.22	-.38	-.42	-.26	-.22	-.06	-.02	.13	.17
01/28/11	05:00	.17	.17	.17	.33	.37	.20	.00	.13	.17	.00
01/28/11	05:10	-.03	.13	.33	.20	.17	.17	.17	.00	-.19	-.22
01/28/11	05:20	-.05	.14	.00	.14	.34	.37	.20	.00	-.02	-.02
01/28/11	05:30	-.19	-.39	-.26	.10	.17	.00	-.19	-.05	.31	.20
01/28/11	05:40	.00	-.03	-.19	-.23	-.06	.14	.00	-.03	-.03	-.03
01/28/11	05:50	-.02	-.02	.14	.34	.19	.00	-.02	-.02	-.02	-.02
01/28/11	06:00	.14	.17	.17	.17	.17	.17	.34	.20	.17	.34
01/28/11	06:10	.37	.20	-.17	-.04	.14	.35	.19	.00	-.02	.14
01/28/11	06:20	.34	.37	.19	.17	.17	.34	.19	.00	-.02	-.02
01/28/11	06:30	-.03	-.03	.15	.35	.37	.19	.16	.17	.35	.55
01/28/11	06:40	.57	.39	.01	.15	.35	.37	.37	.55	.57	.57
01/28/11	06:50	.57	.57	.39	.37	.55	.57	.57	.39	.37	.55
01/28/11	07:00	.39	.37	.18	-.01	.15	.35	.55	.57	.57	.38
01/28/11	07:10	.55	.75	.58	.38	.55	.57	.57	.57	.57	.57
01/28/11	07:20	.57	.38	.74	.96	.59	.38	.55	.57	.57	.57
01/28/11	07:30	.57	.76	.58	.57	.38	.37	.56	.57	.57	.57
01/28/11	07:40	.57	.38	.37	.37	.37	.37	.37	.37	.75	.77
01/28/11	07:50	.58	.57	.57	.76	.58	.18	.17	.36	.56	.57

01/28/11	08:00	.57	.57	.76	.77	.58	.76	.58	.57	.76	.77
01/28/11	08:10	.37	.17	.56	.96	.97	.57	.57	.37	.37	.56
01/28/11	08:20	.57	.57	.77	.77	.77	.77	.77	.97	.77	.77
01/28/11	08:30	.77	.77	.57	.77	.57	.57	.77	.77	.57	.57
01/28/11	08:40	.57	.77	.77	.97	.97	.77	.57	.37	.57	.77
01/28/11	08:50	.76	.37	.37	.57	.57	.57	.77	.77	.57	.57
01/28/11	09:00	.37	.37	.57	.77	.57	.57	.56	.38	.58	.77
01/28/11	09:10	.77	.78	.97	.96	.77	.56	.37	.57	.56	.37
01/28/11	09:20	.37	.37	.37	.37	.37	.57	.56	.38	.58	.76
01/28/11	09:30	.57	.56	.37	.37	.37	.37	.37	.37	.37	.37
01/28/11	09:40	.38	.57	.57	.57	.57	.57	.57	.56	.37	.37
01/28/11	09:50	.36	.18	.38	.57	.57	.57	.57	.56	.35	.17
01/28/11	10:00	.18	.39	.56	.37	.37	.35	.15	-.02	-.01	.18
01/28/11	10:10	.37	.35	.17	.17	.18	.37	.36	.15	-.04	-.19
01/28/11	10:20	.17	.17	.17	.19	.39	.55	.39	.57	.57	.55
01/28/11	10:30	.35	.13	-.21	-.01	.17	.17	.15	-.04	-.24	-.42
01/28/11	10:40	-.39	-.02	-.02	-.02	-.02	-.02	-.04	-.25	-.40	-.20
01/28/11	10:50	-.02	-.02	.01	.37	.32	-.02	.00	.12	-.22	-.18
01/28/11	11:00	.17	.15	-.02	-.05	-.22	-.22	-.19	-.05	-.22	-.19
01/28/11	11:10	.00	.15	.01	.18	.15	.00	.15	-.04	-.21	-.21
01/28/11	11:20	-.21	-.24	-.41	-.38	-.18	-.01	-.04	-.18	.01	.18
01/28/11	11:30	.12	-.24	-.38	-.21	-.21	-.21	-.18	-.01	-.01	-.01
01/28/11	11:40	.04	.35	.11	-.18	-.01	-.01	-.01	-.01	-.01	-.05
01/28/11	11:50	-.18	-.01	.01	.18	.18	.15	-.01	-.01	-.05	-.21
01/28/11	12:00	-.21	-.21	-.18	.01	.10	-.21	-.18	-.05	-.22	-.22
01/28/11	12:10	-.18	-.02	-.02	-.06	-.22	-.19	.01	.21	.37	.33
01/28/11	12:20	.09	-.26	-.42	-.42	-.38	-.18	.01	.17	.13	-.06
01/28/11	12:30	-.22	-.26	-.38	-.18	-.02	-.02	-.06	-.26	-.42	-.38
01/28/11	12:40	-.22	-.22	-.18	-.02	-.02	-.06	-.22	-.22	-.22	-.22
01/28/11	12:50	-.18	-.06	-.31	-.58	-.43	-.38	-.27	-.42	-.38	-.22
01/28/11	13:00	-.22	-.22	-.22	-.22	-.27	-.42	-.38	-.18	-.02	-.02
01/28/11	13:10	-.02	-.02	-.02	-.12	-.42	-.38	-.22	.00	.87	.86
01/28/11	13:20	-1.17	-4.62	-2.82	2.27	.76	-.48	.81	-.22	-.22	-.27
01/28/11	13:30	-.37	-.22	-.17	-.07	-.27	-.42	-.42	-.42	-.31	-.02
01/28/11	13:40	-.07	-.27	M	M	M	M	M	M	M	M
01/28/11	13:50	M	M	M	M	M	M	M	M	M	M
01/28/11	14:00	M	M	M	M	M	M	M	M	M	M
01/28/11	14:10	M	M	M	M	M	M	M	M	M	M
01/28/11	14:20	M	M	M	M	M	M	M	M	M	M
01/28/11	14:30	M	M	M	M	M	M	M	M	M	M
01/28/11	14:40	M	M	M	M	M	M	M	M	M	M
01/28/11	14:50	M	M	M	M	M	M	M	M	M	M
01/28/11	15:00	M	M	M	M	M	M	M	M	M	M
01/28/11	15:10	M	M	M	M	M	M	M	M	M	M
01/28/11	15:20	M	M	M	M	M	M	M	M	M	M

01/28/11	15:30	M	M	M	M	M	M
01/28/11	15:40						
01/28/11	15:50						
01/28/11	16:00						

Max	95.06
Min	-4.62
Mean	3.51
Records	5,302

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 11:42

Daily Parameter Report - Minute Averages
Agilaire LLC

Logger Name : BKGD

Logger Id : 02

Parameter : SO2

Units : PPB

Date	Time 001M	00	01	02	03	04	Minute 05	06	07	08	09
01/24/11	08:00										
01/24/11	08:10										
01/24/11	08:20										
01/24/11	08:30										
01/24/11	08:40										
01/24/11	08:50										
01/24/11	09:00										D
01/24/11	09:10	.0	.0	.0	M	M	M	M	M	M	M
01/24/11	09:20	M	M	M	M	M	M	M	M	M	M
01/24/11	09:30	M	M	M	M	M	M	M	M	M	M
01/24/11	09:40	M	M	M	M	M	M	M	M	M	M
01/24/11	09:50	M	M	M	M	M	M	M	M	M	M
01/24/11	10:00	M	M	M	M	M	M	M	M	M	M
01/24/11	10:10	M	M	M	M	M	M	M	M	M	M
01/24/11	10:20	M	M	M	M	M	M	M	M	M	M
01/24/11	10:30	M	M	M	M	M	M	M	M	M	M
01/24/11	10:40	M	M	M	M	M	M	M	M	M	M
01/24/11	10:50	M	M	M	M	M	M	M	M	M	M
01/24/11	11:00	M	M	M	M	M	M	M	M	M	M
01/24/11	11:10	M	M	M	M	M	M	M	M	M	M
01/24/11	11:20	M	M	M	M	M	M	M	M	M	M
01/24/11	11:30	M	M	M	M	M	M	M	M	M	M
01/24/11	11:40	M	M	M	M	M	M	M	M	M	M
01/24/11	11:50	M	M	M	M	M	M	M	M	M	M
01/24/11	12:00	M	M	M	M	M	M	M	M	M	M
01/24/11	12:10	M	M	M	M	M	M	M	M	M	M
01/24/11	12:20	M	M	M	M	M	M	M	M	M	M
01/24/11	12:30	M	M	M	M	M	M	M	M	M	M
01/24/11	12:40	M	M	M	M	M	M	M	M	M	M
01/24/11	12:50	M	M	M	M	M	M	M	M	M	M
01/24/11	13:00	M	M	M	.8	1.0	1.0	1.0	1.0	1.0	.7
01/24/11	13:10	.5	.8	.7	.5	.5	.8	1.0	1.0	.7	.5
01/24/11	13:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5

01/24/11	13:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	13:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	13:50	.5	.5	.5	.5	.5	.5	.8	1.0	.7	.5	
01/24/11	14:00	.5	.8	.7	.5	.5	.8	.7	.5	.5	.8	
01/24/11	14:10	.7	.5	.5	.5	.5	.5	.5	.5	.8	1.0	
01/24/11	14:20	1.0	.6	.5	.5	.5	.5	.8	1.0	.6	.5	
01/24/11	14:30	.5	.8	.7	.5	.5	.5	.5	.5	.5	.5	
01/24/11	14:40	.8	1.0	1.0	1.0	.6	.5	.5	.5	.8	1.0	
01/24/11	14:50	1.0	1.0	.6	.5	.5	.5	.5	.5	.5	.5	
01/24/11	15:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	15:10	.9	1.0	1.0	.6	.5	.9	1.0	1.0	.6	.5	
01/24/11	15:20	.5	.5	.9	1.0	.6	.5	.5	.5	.5	.5	
01/24/11	15:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	15:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	15:50	.5	.5	.5	.9	.6	.5	.5	.5	.5	.5	
01/24/11	16:00	.5	.5	.5	.5	.5	.5	.9	1.0	.6	.5	
01/24/11	16:10	.5	.5	.5	.9	.6	.5	.5	.9	.6	.5	
01/24/11	16:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	16:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	16:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	16:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	17:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	17:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	17:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	17:30	.5	.5	.5	.5	.5	.1	.4	.5	.5	.5	
01/24/11	17:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	17:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	18:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	18:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	18:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.1	
01/24/11	18:30	.0	.4	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	18:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	18:50	.5	.0	.0	.4	.5	.5	.5	.5	.5	.5	
01/24/11	19:00	.5	.5	.5	.0	.4	.5	.5	.5	.5	.5	
01/24/11	19:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	19:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
01/24/11	19:30	.5	.5	.5	.5	.5	.0	.4	.5	.5	.0	
01/24/11	19:40	.4	.5	.5	.5	.0	.0	.0	.0	.5	.5	
01/24/11	19:50	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	
01/24/11	20:00	.0	.5	.5	.5	.5	.5	.0	.0	.0	.0	
01/24/11	20:10	.0	.0	.0	.0	.5	.5	.5	.0	.0	.5	
01/24/11	20:20	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	
01/24/11	20:30	.0	.0	.0	.5	.5	.5	.5	.0	.5	.5	

01/24/11	20:40	.5	.0	.0	.0	.0	.0	.5	.5	.5	.0
01/24/11	20:50	.5	.5	.5	.5	.5	.0	.0	.0	.0	.0
01/24/11	21:00	.0	.0	.5	.5	.5	.5	.0	.0	.0	.5
01/24/11	21:10	.0	.0	.0	.5	.0	.0	.5	.5	.5	.5
01/24/11	21:20	.5	.5	.5	.0	.5	.5	.5	.0	.0	.5
01/24/11	21:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.0
01/24/11	21:40	.0	.0	.0	.5	.5	.5	.0	.0	.5	.5
01/24/11	21:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	22:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	22:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	22:20	.5	.5	.5	.5	.4	.0	.5	.5	.5	.5
01/24/11	22:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	22:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	22:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	23:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	23:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	23:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	23:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/24/11	23:40	.5	.5	.5	.5	.5	.5	.4	.1	.5	.5
01/24/11	23:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/25/11	00:00	.5	.5	.4	.1	.5	.5	.5	.5	.4	.1
01/25/11	00:10	.5	.5	.4	.1	.5	.5	.5	.5	.5	.5
01/25/11	00:20	.5	.5	.4	.1	.5	.5	.4	.0	.0	.0
01/25/11	00:30	.1	.5	.4	.0	.0	.0	.0	.0	.0	.0
01/25/11	00:40	.0	.0	.0	.0	.0	.0	.1	.4	.0	.1
01/25/11	00:50	.5	.5	.5	.5	.4	.0	.0	.0	.0	.0
01/25/11	01:00	.0	.1	.5	.4	.0	.1	.5	.5	.4	.0
01/25/11	01:10	.1	.5	.5	.4	.0	.0	.0	.0	.0	.0
01/25/11	01:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	01:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	01:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	01:50	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0
01/25/11	02:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	02:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	02:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	02:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	02:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	02:50	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0
01/25/11	03:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	03:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	03:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	03:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	03:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	03:50	.0	.1	.5	.3	.0	.0	.0	.0	.0	.0
01/25/11	04:00	.0	.0	.0	.0	.0	.1	.5	.3	.0	.0

01/25/11	04:10	.1	.3	.0	.0	.2	.5	.5	.5	.5	.3
01/25/11	04:20	.0	.2	.5	.5	.5	.5	.5	.5	.5	.5
01/25/11	04:30	.5	.5	.3	.2	.5	.3	.0	.0	.2	.5
01/25/11	04:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/25/11	04:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/25/11	05:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/25/11	05:10	.5	.5	.3	.0	.2	.5	.5	.5	.5	.5
01/25/11	05:20	.5	.5	.5	.5	.5	.5	.5	.5	.3	.2
01/25/11	05:30	.5	.5	.5	.5	.5	.5	.5	.5	.3	.2
01/25/11	05:40	.5	.5	.5	.5	.5	.5	.5	.5	.3	.2
01/25/11	05:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/25/11	06:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/25/11	06:10	.5	.5	.3	.0	.0	.0	.0	.0	.0	.2
01/25/11	06:20	.5	.5	.5	.5	.5	.3	.0	.0	.0	.0
01/25/11	06:30	.0	.0	.0	.0	.2	.5	.3	.2	.5	.5
01/25/11	06:40	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	06:50	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0
01/25/11	07:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	07:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	07:20	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0
01/25/11	07:30	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
01/25/11	07:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	07:50	.0	.0	.2	.2	.0	.2	.5	.5	.5	.5
01/25/11	08:00	.2	.0	.0	.0	.0	.0	.2	.2	.0	.0
01/25/11	08:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	08:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	08:30	.2	.5	.2	.0	.0	.0	.0	.0	.0	.0
01/25/11	08:40	.0	.0	.0	.0	.0	.0	.2	.5	.5	.5
01/25/11	08:50	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	09:00	.0	.0	.0	.0	.3	.2	.0	.0	.0	.0
01/25/11	09:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	09:20	.3	.5	.2	.0	.3	.2	.0	.0	.0	.0
01/25/11	09:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	09:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	09:50	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0
01/25/11	10:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	10:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	10:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	10:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	10:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	10:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	11:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	11:10	.0	.0	.3	.2	.0	.0	.0	.0	-.2	-.1
01/25/11	11:20	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0
01/25/11	11:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

01/25/11	11:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	11:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	12:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	12:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	12:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	12:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	12:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	12:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	13:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	13:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	13:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	13:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	13:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	13:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	14:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	14:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	14:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	14:30	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0
01/25/11	14:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	14:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	15:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	15:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	15:20	.0	.0	.0	.0	-.3	.0	.0	.0	.0	.0
01/25/11	15:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	15:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	15:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	16:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	16:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	16:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	16:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	16:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	16:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	17:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	17:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	17:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	17:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	17:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	17:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	18:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	18:10	.0	.0	.0	.0	-.4	.0	.0	.0	.0	.0
01/25/11	18:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	18:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	18:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	18:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

01/25/11	19:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	19:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	19:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	19:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	19:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	19:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	20:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	20:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	20:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	20:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	20:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	20:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	21:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	21:10	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	21:20	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0
01/25/11	21:30	.0	.0	.0	.0	.0	.0	.0	.1	.5	.5
01/25/11	21:40	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	21:50	.0	.1	.5	.5	.5	.5	.5	.5	.5	.5
01/25/11	22:00	.5	.4	.0	.0	.0	.1	.4	.0	.1	.5
01/25/11	22:10	.4	.0	.0	.0	.1	.5	.5	.4	.1	.5
01/25/11	22:20	.5	.5	.5	.5	.4	.0	.0	.1	.4	.0
01/25/11	22:30	.0	.1	.5	.5	.4	.0	.0	.0	.0	.0
01/25/11	22:40	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
01/25/11	22:50	.0	.0	.0	.1	.4	.0	.0	.1	.5	.5
01/25/11	23:00	.5	.5	.5	.5	.5	.5	.5	.4	.0	.0
01/25/11	23:10	.1	.5	.5	.5	.4	.0	.0	.1	.5	.4
01/25/11	23:20	.1	.5	.5	.5	.5	.5	.5	.4	.0	.0
01/25/11	23:30	.1	.5	.5	.4	.1	.5	.5	.5	.5	.5
01/25/11	23:40	.5	.5	.5	.5	.5	.4	.1	.5	.5	.5
01/25/11	23:50	.5	.5	.4	.0	.0	.0	.0	.0	.0	.1
01/26/11	00:00	.4	.0	.1	.5	.5	.4	.0	.0	.0	.0
01/26/11	00:10	.0	.0	.1	.5	.5	.5	.5	.3	.0	.1
01/26/11	00:20	.5	.3	.0	.0	.0	.1	.5	.5	.5	.5
01/26/11	00:30	.5	.5	.3	.0	.0	.0	.0	.0	.0	.0
01/26/11	00:40	.1	.5	.3	.0	.0	.0	.0	.1	.5	.3
01/26/11	00:50	.0	.0	.0	.1	.5	.3	.1	.5	.3	.0
01/26/11	01:00	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0
01/26/11	01:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
01/26/11	01:20	.5	.5	.3	.0	.0	.0	.0	.0	.0	.0
01/26/11	01:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	01:40	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0
01/26/11	01:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	02:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	02:10	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0

01/26/11	02:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
01/26/11	02:30	.3	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0
01/26/11	02:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	02:50	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0
01/26/11	03:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	03:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	03:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
01/26/11	03:30	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	03:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	03:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	04:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	04:10	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	04:20	.0	.0	.0	.0	.0	.0	.0	.2	.5	.5	.5
01/26/11	04:30	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	04:40	.0	.0	.0	.2	.5	.5	.2	.0	.0	.0	.0
01/26/11	04:50	.0	.2	.5	.5	.2	.0	.0	.2	.5	.5	.5
01/26/11	05:00	.5	.2	.2	.5	.2	.0	.0	.2	.5	.5	.5
01/26/11	05:10	.5	.2	.2	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	05:20	.5	.5	.5	.2	.0	.2	.5	.5	.5	.5	.5
01/26/11	05:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	05:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	05:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	06:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	06:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	06:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	06:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	06:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	06:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	07:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.8
01/26/11	07:10	.7	.5	.5	.5	.5	.8	.7	.5	.5	.5	.5
01/26/11	07:20	.5	.5	.5	.5	.5	.8	1.0	.7	.8	1.0	1.0
01/26/11	07:30	1.0	.7	.8	1.0	1.0	.7	.8	1.0	1.0	1.0	1.0
01/26/11	07:40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/26/11	07:50	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/26/11	08:00	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/26/11	08:10	1.0	.7	.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/26/11	08:20	1.0	1.0	1.0	.7	.5	.5	.8	1.0	1.0	1.0	1.0
01/26/11	08:30	.7	.5	.5	.8	1.0	1.0	1.0	.6	.8	1.0	1.0
01/26/11	08:40	1.0	.7	.5	.5	.5	.5	.5	.5	.5	.5	.1
01/26/11	08:50	.3	.5	.5	.5	.5	.5	.2	.0	.3	.5	.5
01/26/11	09:00	.2	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0
01/26/11	09:10	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0
01/26/11	09:20	.0	.3	.1	.0	.0	.3	.1	.0	.0	.0	.0
01/26/11	09:30	.0	.0	.3	.5	.5	.5	.1	.0	.0	.0	.3
01/26/11	09:40	.1	.0	.0	.0	.0	.0	.0	.3	.5	.5	.5

01/26/11	09:50	.1	.0	.0	.3	.5	.5	.5	.5	.5	.5
01/26/11	10:00	.5	.5	.5	.5	.5	.5	.8	1.0	1.3	1.5
01/26/11	10:10	1.8	2.7	2.6	2.5	2.5	2.9	3.0	3.4	3.8	4.0
01/26/11	10:20	4.0	4.0	4.0	4.3	4.5	4.5	4.5	4.5	4.8	5.0
01/26/11	10:30	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.6	4.5
01/26/11	10:40	4.5	4.5	4.5	4.1	4.0	4.0	3.6	3.5	3.1	2.6
01/26/11	10:50	2.5	2.5	1.7	M	M	M	M	M	M	M
01/26/11	11:00	M	M	M	M	M	M	M	M	M	M
01/26/11	11:10	M	M	M	M	M	M	M	M	M	M
01/26/11	11:20	M	M	M	M	M	M	M	M	M	M
01/26/11	11:30	M	M	M	M	M	M	M	M	M	M
01/26/11	11:40	M	M	M	M	M	M	M	M	M	M
01/26/11	11:50	M	M	M	M	M	M	M	M	M	M
01/26/11	12:00	M	M	M	M	M	M	M	M	M	M
01/26/11	12:10	M	M	M	M	M	M	M	M	M	M
01/26/11	12:20	M	M	M	M	M	M	M	M	M	M
01/26/11	12:30	M	M	M	M	M	M	M	M	M	M
01/26/11	12:40	M	M	M	M	M	M	M	M	M	M
01/26/11	12:50	M	M	M	M	M	M	M	.0	.0	.0
01/26/11	13:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	13:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	13:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	13:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	13:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	13:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	14:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	14:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	14:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	14:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	14:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	14:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	15:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	15:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	15:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	15:30	.0	.0	3.9	8.4	4.5	.5	.5	.5	.5	.0
01/26/11	15:40	.0	.0	.0	.0	.5	.5	.0	.0	.0	.5
01/26/11	15:50	.5	.5	.5	.5	.5	.5	.5	.5	.0	.0
01/26/11	16:00	.0	.0	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	16:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	16:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	16:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	16:40	.5	.5	.5	.5	.5	.5	.5	1.0	.5	.5
01/26/11	16:50	.5	1.0	1.0	.5	.5	.5	.5	.5	.5	.5
01/26/11	17:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	17:10	.5	.5	.5	1.0	.5	.5	.5	.5	.5	.5

01/26/11	17:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	17:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	17:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	17:50	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	18:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	18:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.4	.0
01/26/11	18:20	.0	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	18:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/26/11	18:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.4	.0
01/26/11	18:50	.0	.1	.5	.5	.5	.5	.5	.5	.5	.4	.1
01/26/11	19:00	.5	.4	.0	.0	.0	.1	.5	.4	.0	.0	.0
01/26/11	19:10	.1	.4	.0	.0	.1	.5	.5	.5	.5	.5	.4
01/26/11	19:20	.0	.1	.5	.5	.4	.0	.0	.1	.5	.5	.5
01/26/11	19:30	.4	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
01/26/11	19:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4
01/26/11	19:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	20:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	20:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	20:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	20:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	20:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	20:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.3
01/26/11	21:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	21:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	21:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	21:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	21:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	21:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	22:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	22:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	22:20	.0	.0	.1	.3	.0	.0	.1	.3	.0	.0	.0
01/26/11	22:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	22:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	22:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	23:00	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0
01/26/11	23:10	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0
01/26/11	23:20	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0
01/26/11	23:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	23:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	23:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	00:00	.0	.0	.0	.0	.0	.0	.0	.2	.5	.5	.5
01/27/11	00:10	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	00:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

01/27/11	00:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	00:40	.0	.0	.0	.0	.0	.2	.5	.5	.3	.0	.0
01/27/11	00:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	01:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	01:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	01:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	01:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	01:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	01:50	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0
01/27/11	02:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	02:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	02:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	02:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	02:40	.0	.0	-.2	-.2	.0	.0	.0	.0	.0	.0	.0
01/27/11	02:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	03:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	03:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	03:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	03:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	03:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	03:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	04:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	04:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	04:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	04:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	04:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	04:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	05:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	05:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	05:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	05:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	05:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	05:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	06:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	06:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	06:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	06:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	06:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
01/27/11	06:50	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	07:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	07:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	07:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	07:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	07:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	07:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

01/27/11	08:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	08:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	08:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	08:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	08:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	08:50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	09:00	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	09:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	09:20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	09:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	09:40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	09:50	.0	.0	.0	.0	.0	.0	.4	.5	.1	.4
01/27/11	10:00	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/27/11	10:10	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/27/11	10:20	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/27/11	10:30	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/27/11	10:40	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
01/27/11	10:50	.5	.5	.5	.5	.5	.5	.5	.9	1.4	1.0
01/27/11	11:00	1.0	1.4	1.5	1.5	1.5	1.9	2.0	2.4	2.5	2.5
01/27/11	11:10	2.5	2.5	2.9	3.0	3.0	3.0	3.0	3.0	3.0	2.5
01/27/11	11:20	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.4
01/27/11	11:30	2.9	3.0	3.0	3.4	3.9	4.4	4.9	5.4	6.0	5.5
01/27/11	11:40	5.0	4.5	4.0	4.0	4.0	4.0	4.0	4.9	5.4	5.5
01/27/11	11:50	5.0	4.1	3.1	3.0	3.0	3.0	3.0	3.0	2.5	2.0
01/27/11	12:00	2.0	2.9	3.5	3.5	3.5	3.0	3.0	3.0	3.0	2.5
01/27/11	12:10	2.0	2.0	1.5	2.0	2.5	2.5	2.5	2.5	2.5	2.5
01/27/11	12:20	2.5	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.0
01/27/11	12:30	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.0
01/27/11	12:40	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
01/27/11	12:50	1.5	2.0	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0
01/27/11	13:00	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5
01/27/11	13:10	3.5	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5	2.5
01/27/11	13:20	3.0	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.5
01/27/11	13:30	2.5	2.5	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0
01/27/11	13:40	3.5	3.5	3.5	3.5	3.5	4.0	4.0	4.5	4.5	4.5
01/27/11	13:50	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	3.5
01/27/11	14:00	3.5	3.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
01/27/11	14:10	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5
01/27/11	14:20	3.5	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.5	5.5
01/27/11	14:30	6.0	6.5	6.5	6.5	6.4	4.9	3.9	3.4	3.0	2.5
01/27/11	14:40	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.5	3.4
01/27/11	14:50	3.0	3.0	3.0	3.5	4.0	4.5	5.0	5.0	5.0	5.0
01/27/11	15:00	5.0	5.0	5.0	4.9	4.5	4.4	4.0	4.5	4.9	4.4
01/27/11	15:10	4.0	3.9	3.5	4.0	4.5	5.0	4.9	4.5	4.5	4.4
01/27/11	15:20	4.0	3.9	3.5	4.0	3.9	3.4	3.0	3.5	4.0	4.0

01/27/11	15:30	4.0	3.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
01/27/11	15:40	3.5	3.4	3.1	3.5	3.5	3.4	3.0	3.0	3.0	3.0	3.5
01/27/11	15:50	3.9	3.5	3.5	3.5	3.5	3.4	3.0	3.0	3.1	3.5	3.5
01/27/11	16:00	3.5	3.4	3.0	3.0	3.0	2.9	2.5	3.0	3.0	3.0	3.0
01/27/11	16:10	3.5	3.5	3.5	3.4	3.0	2.9	2.6	3.0	3.0	3.0	3.1
01/27/11	16:20	3.5	3.5	3.5	3.5	3.4	3.0	3.0	2.9	2.6	3.0	3.0
01/27/11	16:30	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
01/27/11	16:40	3.0	2.9	2.5	2.5	2.4	2.0	2.0	2.0	2.1	2.5	2.5
01/27/11	16:50	2.5	2.6	3.0	3.0	3.0	3.0	3.0	2.9	2.5	2.5	2.5
01/27/11	17:00	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/27/11	17:10	2.5	2.5	2.5	2.4	2.1	2.5	2.6	3.0	3.0	2.9	2.9
01/27/11	17:20	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.0	2.0	2.0	2.0
01/27/11	17:30	2.0	2.0	2.0	2.1	2.4	2.0	2.0	2.0	2.0	2.0	1.9
01/27/11	17:40	1.6	2.0	2.0	1.9	1.6	2.0	2.0	2.0	2.0	2.0	2.0
01/27/11	17:50	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
01/27/11	18:00	2.0	2.0	2.0	1.9	1.5	1.5	1.5	1.5	1.6	2.0	2.0
01/27/11	18:10	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
01/27/11	18:20	1.5	1.5	1.5	1.5	1.5	1.4	1.1	1.5	1.5	1.5	1.4
01/27/11	18:30	1.0	1.0	1.1	1.5	1.5	1.4	1.0	1.1	1.5	1.5	1.5
01/27/11	18:40	1.5	1.5	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
01/27/11	18:50	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/27/11	19:00	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/27/11	19:10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/27/11	19:20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/27/11	19:30	1.0	1.1	1.3	1.0	1.0	1.1	1.3	1.0	1.0	1.0	1.0
01/27/11	19:40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
01/27/11	19:50	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
01/27/11	20:00	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.3	1.0	1.0
01/27/11	20:10	1.0	1.0	1.0	.8	.6	1.1	1.3	1.0	1.0	1.0	1.0
01/27/11	20:20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.5	1.5	1.5
01/27/11	20:30	1.3	1.0	1.0	1.0	1.0	1.1	1.5	1.5	1.5	1.5	1.3
01/27/11	20:40	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3
01/27/11	20:50	1.0	1.0	1.0	1.0	1.0	1.1	1.5	1.5	1.5	1.5	1.5
01/27/11	21:00	1.5	1.3	1.0	1.2	1.3	1.0	1.0	1.2	1.5	1.3	1.3
01/27/11	21:10	1.2	1.5	1.5	1.5	1.5	1.5	1.3	1.0	1.2	1.5	1.5
01/27/11	21:20	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
01/27/11	21:30	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
01/27/11	21:40	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.0	1.0	1.0
01/27/11	21:50	1.0	1.0	1.0	1.2	1.3	1.0	1.0	1.2	1.5	1.5	1.5
01/27/11	22:00	1.5	1.5	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2
01/27/11	22:10	1.5	1.5	1.3	1.0	1.2	1.5	1.5	1.5	1.5	1.5	1.5
01/27/11	22:20	1.5	1.7	2.0	1.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
01/27/11	22:30	1.5	1.5	1.5	1.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0
01/27/11	22:40	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	2.0	2.0
01/27/11	22:50	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

01/27/11	23:00	2.0	2.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/27/11	23:10	2.5	2.3	2.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/27/11	23:20	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/27/11	23:30	2.5	2.5	2.5	2.5	2.7	3.0	3.0	2.8	2.5	2.5	2.5
01/27/11	23:40	2.5	2.5	2.5	2.5	2.5	2.7	2.8	2.5	2.5	2.5	2.5
01/27/11	23:50	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	00:00	2.5	2.5	2.5	2.5	2.5	2.7	2.8	2.5	2.5	2.7	2.7
01/28/11	00:10	3.0	3.0	2.7	2.5	2.7	3.0	3.0	3.0	3.0	2.7	2.7
01/28/11	00:20	2.5	2.5	2.5	2.5	2.7	3.0	2.7	2.5	2.5	2.5	2.5
01/28/11	00:30	2.5	2.5	2.5	2.7	3.0	2.7	2.5	2.5	2.5	2.5	2.5
01/28/11	00:40	2.5	2.5	2.5	2.8	2.7	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	00:50	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	01:00	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	01:10	2.5	2.5	2.5	2.5	2.5	2.5	2.8	3.0	2.7	2.2	2.2
01/28/11	01:20	2.2	2.5	2.5	2.2	2.3	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	01:30	2.5	2.8	2.7	2.2	2.0	2.0	2.0	2.3	2.5	2.5	2.5
01/28/11	01:40	2.5	2.2	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	01:50	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	02:00	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.2	2.0
01/28/11	02:10	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	02:20	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	02:30	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	02:40	2.5	2.5	2.5	2.8	3.0	3.0	3.0	2.7	2.5	2.2	2.2
01/28/11	02:50	2.3	2.5	2.5	2.5	2.8	3.0	2.7	2.5	2.5	2.5	2.5
01/28/11	03:00	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.2	2.0
01/28/11	03:10	2.3	2.5	2.5	2.2	2.3	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	03:20	2.5	2.8	3.0	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	03:30	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	03:40	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	03:50	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
01/28/11	04:00	2.5	2.5	2.1	2.0	2.0	2.0	2.3	2.5	2.5	2.5	2.5
01/28/11	04:10	2.5	2.1	2.0	2.3	2.1	2.0	2.3	2.5	2.5	2.5	2.5
01/28/11	04:20	2.5	2.5	2.5	2.5	2.5	2.1	2.0	2.3	2.5	2.1	2.1
01/28/11	04:30	2.3	2.5	2.5	2.5	2.1	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	04:40	2.0	2.0	2.3	2.5	2.5	2.5	2.5	2.5	2.1	2.0	2.0
01/28/11	04:50	2.3	2.5	2.1	2.0	2.0	2.3	2.5	2.5	2.5	2.1	2.1
01/28/11	05:00	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.1	2.0	2.0
01/28/11	05:10	2.0	2.0	2.0	2.0	2.0	2.3	2.5	2.9	2.6	2.1	2.1
01/28/11	05:20	2.0	2.0	2.3	2.9	2.6	2.5	2.5	2.5	2.5	2.1	2.1
01/28/11	05:30	2.0	2.0	2.0	2.0	2.0	2.4	2.1	2.0	2.0	2.4	2.4
01/28/11	05:40	2.5	2.5	2.5	2.5	2.1	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	05:50	2.0	2.0	2.0	2.4	2.5	2.5	2.5	2.1	2.0	2.0	2.0
01/28/11	06:00	2.4	2.5	2.1	2.0	2.0	2.0	2.0	2.4	2.5	2.5	2.5

01/28/11	06:10	2.1	2.0	2.0	2.4	2.1	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	06:20	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	06:30	2.0	2.0	2.0	2.0	2.0	2.4	2.1	2.0	2.0	2.0	2.4
01/28/11	06:40	2.1	2.0	2.0	2.4	2.1	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	06:50	2.0	2.0	2.0	2.0	2.4	2.5	2.1	2.0	2.0	2.0	2.0
01/28/11	07:00	2.0	2.0	2.0	2.4	2.5	2.5	2.1	2.0	2.0	2.0	2.4
01/28/11	07:10	2.1	2.0	2.0	2.4	2.1	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	07:20	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	07:30	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	07:40	2.0	1.6	1.5	1.5	1.9	2.0	2.0	2.0	2.0	1.6	1.5
01/28/11	07:50	1.5	1.5	1.5	1.9	1.6	1.5	1.9	2.0	2.0	2.0	2.0
01/28/11	08:00	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.9	2.0	2.0	1.5
01/28/11	08:10	1.9	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.9	2.0	2.0
01/28/11	08:20	2.0	1.5	1.5	1.5	1.5	1.9	1.5	1.5	1.5	1.5	1.5
01/28/11	08:30	1.5	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
01/28/11	08:40	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
01/28/11	08:50	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
01/28/11	09:00	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
01/28/11	09:10	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
01/28/11	09:20	2.0	2.0	2.0	M	M	M	M	M	M	M	M
01/28/11	09:30	M	M	M	M	M	M	M	M	M	M	M
01/28/11	09:40	M	M	M	M	M	M	M	M	M	M	M
01/28/11	09:50	M	M	M	M	M	M	M	M	M	M	M
01/28/11	10:00	M	M	M	M	M	M	M	M	M	M	M
01/28/11	10:10	M	M	M	M	M	M	M	M	M	M	M
01/28/11	10:20	M	M	M	M	M	M	M	M	M	M	M
01/28/11	10:30	M	M	M	M	M	M	M	M	M	M	M
01/28/11	10:40	M	M	M	M	M	M	M	M	M	M	M
01/28/11	10:50	M	M	M	M	M	M	M	M	M	M	M
01/28/11	11:00	M	M	M	M	M	M	M	M	M	M	M
01/28/11	11:10	M	M	M	M	M	M	M	M	M	M	M
01/28/11	11:20	M	M	M	M	M	M	M	M	M	M	M
01/28/11	11:30	M	M	M	M	M	M	M	M	M	M	M
01/28/11	11:40	M	M	M	M	M	M	M	M	M	M	M
01/28/11	11:50	M	M	M								
01/28/11	12:00											

Max 8.4
Min -.4
Mean .7
Records 5,419

Data : '<' - Less than ### Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,

'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 11:42

Daily Parameter Report - Minute Averages
 Agilaire LLC

Logger Name : BKGD
 Logger Id : 02
 Parameter : H2S
 Units : PPB

Date	Time 001M	00	01	02	03	04	Minute 05	06	07	08	09
01/24/11	08:00										
01/24/11	08:10										
01/24/11	08:20										
01/24/11	08:30										
01/24/11	08:40										
01/24/11	08:50										
01/24/11	09:00										D
01/24/11	09:10	.0	.0	-.1	M	M	M	M	M	M	M
01/24/11	09:20	M	M	M	M	M	M	M	M	M	M
01/24/11	09:30	M	M	M	M	M	M	M	M	M	M
01/24/11	09:40	M	M	M	M	M	M	M	M	M	M
01/24/11	09:50	M	M	M	M	M	M	M	M	M	M
01/24/11	10:00	M	M	M	M	M	M	M	M	M	M
01/24/11	10:10	M	M	M	M	M	M	M	M	M	M
01/24/11	10:20	M	M	M	M	M	M	M	M	M	M
01/24/11	10:30	M	M	M	M	M	M	M	M	M	M
01/24/11	10:40	M	M	M	M	M	M	M	M	M	M
01/24/11	10:50	M	M	M	M	M	M	M	M	M	M
01/24/11	11:00	M	M	M	M	M	M	M	M	M	M
01/24/11	11:10	M	M	M	M	M	M	M	M	M	M
01/24/11	11:20	M	M	M	M	M	M	M	M	M	M
01/24/11	11:30	M	M	M	M	M	M	M	M	M	M
01/24/11	11:40	M	M	M	M	M	M	M	M	M	M
01/24/11	11:50	M	M	M	M	M	M	M	M	M	M
01/24/11	12:00	M	M	M	M	M	M	M	M	M	M
01/24/11	12:10	M	M	M	M	M	M	M	M	M	M
01/24/11	12:20	M	M	M	M	M	M	M	M	M	M

01/24/11	12:30	M	M	M	M	M	M	M	M	M
01/24/11	12:40	M	M	M	M	M	M	M	M	M
01/24/11	12:50	M	M	M	M	M	M	M	M	M
01/24/11	13:00	M	M	M	.4	.2	.1	.0	.0	.1
01/24/11	13:10	.2	.1	.1	.2	.1	.0	-.1	-.1	.1
01/24/11	13:20	.2	.2	.1	.0	.1	.1	.0	.1	.2
01/24/11	13:30	.2	.3	.4	.4	.3	.2	.2	.2	.2
01/24/11	13:40	.1	.1	.2	.1	.0	.0	.0	.1	.0
01/24/11	13:50	.1	.1	.0	.0	.1	.2	.1	.0	-.1
01/24/11	14:00	.0	.0	.0	.1	.1	.0	-.1	.1	.3
01/24/11	14:10	.0	.1	.2	.2	.2	.2	.2	.2	.1
01/24/11	14:20	.0	.0	.0	.1	.3	.4	.3	.1	.0
01/24/11	14:30	.2	.1	.1	.2	.1	.1	.3	.4	.3
01/24/11	14:40	.0	.0	.0	.0	.0	.1	.3	.3	.1
01/24/11	14:50	.0	.0	-.1	.0	.1	.2	.2	.3	.3
01/24/11	15:00	.0	.1	.2	.2	.2	.1	.0	.0	.0
01/24/11	15:10	.0	-.1	.0	.0	.0	.0	.1	.1	.0
01/24/11	15:20	.0	.0	.0	.0	-.1	.1	.2	.2	.2
01/24/11	15:30	.0	.0	.0	.0	.0	.1	.1	.0	.0
01/24/11	15:40	.0	.0	.0	.1	.2	.2	.3	.2	.0
01/24/11	15:50	.0	.1	.2	.0	.1	.2	.1	.0	.0
01/24/11	16:00	.2	.2	.2	.0	.0	.0	.0	.0	.0
01/24/11	16:10	-.1	.0	.0	.0	.0	.0	.0	.0	.0
01/24/11	16:20	.2	.2	.0	.2	.4	.2	.0	.0	-.1
01/24/11	16:30	.2	.2	.2	.2	.0	.0	.3	.2	.2
01/24/11	16:40	.2	.2	.2	.2	.0	.0	.0	.0	.0
01/24/11	16:50	.0	-.1	-.1	.0	.0	.0	.0	.2	.0
01/24/11	17:00	.2	.0	.0	.0	.2	.0	.0	.0	.0
01/24/11	17:10	.0	.0	.2	.2	.2	.2	.2	.4	.2
01/24/11	17:20	.2	.2	.2	.0	.0	.0	.0	.0	.0
01/24/11	17:30	.0	.0	.2	.2	.2	.4	.4	.2	.2
01/24/11	17:40	-.1	.0	.0	.0	.2	.0	.0	.0	.0
01/24/11	17:50	.4	.2	.2	.4	.2	.0	-.1	.0	.0
01/24/11	18:00	.0	.0	.0	.0	.0	-.1	-.1	.0	.0
01/24/11	18:10	.4	.1	.0	.0	.0	.2	.0	.0	.2
01/24/11	18:20	.0	.0	.0	.0	-.1	.0	-.1	-.3	.0
01/24/11	18:30	.2	.0	-.1	-.1	.0	.0	.2	.2	.0
01/24/11	18:40	-.1	.0	.0	.0	.2	.4	.2	.2	.0
01/24/11	18:50	.0	.2	.2	.2	.2	.0	.0	.0	.0
01/24/11	19:00	.0	.2	.2	.2	.0	.0	.0	.0	.0
01/24/11	19:10	.0	.2	.2	.2	.0	.0	.2	.0	-.1
01/24/11	19:20	.0	.0	.0	.0	-.1	-.1	.0	.0	.0
01/24/11	19:30	.2	.0	-.1	-.3	-.1	.0	.2	.0	.2

01/24/11	19:40	.4	.0	-.1	.0	.2	.4	.2	.2	.0	.0
01/24/11	19:50	.2	.2	.0	.0	.0	.0	.0	.2	.2	.2
01/24/11	20:00	.2	.2	.0	-.1	.0	.0	.2	.2	.2	.2
01/24/11	20:10	.2	.2	.0	.0	.0	.0	.2	.2	.0	.0
01/24/11	20:20	.0	.2	.4	.2	.2	.2	.0	.0	.0	.0
01/24/11	20:30	.0	.4	.8	.2	-.1	.0	.2	.8	1.0	.4
01/24/11	20:40	.0	.2	.2	.2	.2	.2	.2	.0	.2	.2
01/24/11	20:50	.2	.0	.0	.0	.2	.2	.2	.4	.2	.2
01/24/11	21:00	.0	.0	-.1	.0	.0	.0	.2	.2	.0	.0
01/24/11	21:10	.2	.2	.0	-.1	-.1	.0	.0	-.1	-.1	.0
01/24/11	21:20	.0	.0	-.1	.0	.0	-.1	.0	.2	.2	.0
01/24/11	21:30	.0	.2	.2	.0	.0	.0	-.1	.0	.0	.0
01/24/11	21:40	.0	.2	.2	.2	.2	.2	.0	.2	.0	.0
01/24/11	21:50	.0	-.1	-.1	-.1	-.1	-.1	-.1	.0	.2	.0
01/24/11	22:00	.0	.0	.0	.0	.2	.2	.4	.2	.0	.0
01/24/11	22:10	.0	.0	.0	.2	.2	.2	.2	.2	.2	.2
01/24/11	22:20	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/24/11	22:30	.0	.0	.0	.0	.0	.0	-.1	-.1	.0	.0
01/24/11	22:40	.2	.2	.2	.0	.0	-.1	.0	.0	.0	.2
01/24/11	22:50	.2	.2	.2	.0	-.1	-.1	.0	.0	.2	.2
01/24/11	23:00	.2	.2	.2	.2	.2	.2	.2	.2	.0	.0
01/24/11	23:10	.0	.2	.4	.2	.0	.0	-.1	.0	.0	.0
01/24/11	23:20	.0	-.1	.0	.0	-.1	-.1	.2	.2	.0	.0
01/24/11	23:30	.2	.0	.0	.2	.4	.2	.0	.2	.2	.0
01/24/11	23:40	.0	.0	.0	.2	.2	.0	.0	.2	.2	.0
01/24/11	23:50	-.1	-.1	.0	.2	.2	.2	.2	.0	.1	.4
01/25/11	00:00	.4	.2	.2	.4	.2	.0	.0	.2	.4	.2
01/25/11	00:10	.0	.2	.2	.2	.0	-.1	.0	.2	.2	.0
01/25/11	00:20	.0	.0	.0	.0	.0	-.1	.0	.0	.0	.2
01/25/11	00:30	.0	-.1	.0	.0	.0	.0	.0	.2	.0	.0
01/25/11	00:40	.0	.0	.0	.0	.2	.4	.3	.0	.2	.2
01/25/11	00:50	.1	-.1	-.1	.0	.0	.0	.0	.0	.2	.2
01/25/11	01:00	.4	.2	.0	.0	.0	.0	-.1	-.2	.0	.0
01/25/11	01:10	.0	-.1	-.1	-.1	-.1	.0	.2	.2	.2	.2
01/25/11	01:20	.2	.2	.2	.0	.0	.2	.2	.0	.2	.2
01/25/11	01:30	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
01/25/11	01:40	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0
01/25/11	01:50	.0	.0	-.1	-.1	.0	.2	.3	.1	.0	.2
01/25/11	02:00	.2	.2	.1	.0	.2	.2	.2	.1	.0	.0
01/25/11	02:10	.0	.2	.2	.1	.0	.0	.2	.4	.3	.2
01/25/11	02:20	.2	.1	.0	-.1	-.1	-.1	.0	.0	.0	.0
01/25/11	02:30	.2	.1	.0	.0	.0	.0	.1	.0	-.1	.0
01/25/11	02:40	.2	.2	.1	.0	.0	.0	.0	.0	.2	.1
01/25/11	02:50	.0	.2	.1	.0	-.1	.0	.0	.0	.1	.2
01/25/11	03:00	.2	.1	.0	.0	.0	.0	.0	.0	-.1	-.1

01/25/11	03:10	-.1	.0	.1	.2	.1	.0	.0	.0	.1	.3
01/25/11	03:20	.3	.1	.1	.2	.2	.1	.1	.3	.4	.3
01/25/11	03:30	.2	.1	.0	.1	.2	.1	.0	.1	.1	.0
01/25/11	03:40	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0
01/25/11	03:50	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4
01/25/11	04:00	.3	.1	.0	.0	.0	.0	.0	.0	.3	.3
01/25/11	04:10	.1	-.1	.0	.1	.0	.1	.3	.4	.3	.0
01/25/11	04:20	.1	.3	.3	.1	.0	.0	.0	.0	.0	.1
01/25/11	04:30	.1	.1	.3	.7	.7	.3	.2	.1	.0	.1
01/25/11	04:40	.1	.0	.0	.1	.2	.2	.2	.2	.2	.1
01/25/11	04:50	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0
01/25/11	05:00	-.1	-.1	.0	.1	.2	.2	.1	.0	.0	.0
01/25/11	05:10	.0	.0	.1	.2	.1	.0	.0	.0	.1	.1
01/25/11	05:20	.0	.0	.0	.0	.1	.1	.0	.1	.2	.1
01/25/11	05:30	.1	.2	.2	.1	.0	.0	.0	.2	.4	.2
01/25/11	05:40	.0	.0	.0	.1	.1	.0	-.1	.0	.1	.2
01/25/11	05:50	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1
01/25/11	06:00	.0	.0	.0	.0	-.1	.0	.0	.0	.0	.0
01/25/11	06:10	.0	.1	.2	.1	.0	.0	.1	.2	.2	.0
01/25/11	06:20	.0	.1	.1	.0	.0	.1	.2	.1	.1	.3
01/25/11	06:30	.3	.2	.2	.2	.1	.0	.1	.1	.0	-.1
01/25/11	06:40	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2
01/25/11	06:50	.2	.0	-.1	.0	.2	.1	.0	.0	.1	.2
01/25/11	07:00	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0
01/25/11	07:10	.1	.2	.2	.2	.2	.2	.2	.1	.0	.0
01/25/11	07:20	-.1	-.1	-.1	.0	.1	.1	.1	.2	.1	.0
01/25/11	07:30	.1	.1	.0	.0	.1	.2	.2	.1	.0	.1
01/25/11	07:40	.1	.0	.1	.2	.2	.2	.2	.2	.1	.0
01/25/11	07:50	.0	.0	-.1	.0	.0	.0	.0	-.1	-.1	.0
01/25/11	08:00	.0	.0	.0	.0	.0	-.1	-.1	.0	.1	.2
01/25/11	08:10	.2	.2	.1	.0	.0	.0	-.1	.0	.0	.1
01/25/11	08:20	.1	.0	.0	.0	.0	.0	.2	.4	.2	.0
01/25/11	08:30	-.1	.0	.0	.0	.1	.3	.3	.2	.2	.2
01/25/11	08:40	.2	.2	.1	.1	.2	.1	.0	.0	.0	.1
01/25/11	08:50	.2	.1	.1	.2	.2	.2	.1	.0	.0	.1
01/25/11	09:00	.1	.0	.0	.0	.0	.1	.2	.1	.0	.0
01/25/11	09:10	.0	.1	.1	.0	.1	.1	.0	.0	.1	.1
01/25/11	09:20	.0	-.1	-.1	-.1	-.1	.0	.1	.2	.2	.1
01/25/11	09:30	.0	.0	.1	.3	.3	.1	.0	.1	.3	.3
01/25/11	09:40	.1	.0	.1	.2	.1	.0	.1	.1	.0	.0
01/25/11	09:50	.1	.0	-.1	.0	.1	.2	.1	.0	.1	.3
01/25/11	10:00	.3	.2	.3	.3	.2	.2	.2	.1	.0	.0
01/25/11	10:10	.0	.1	.2	.2	.2	.1	.0	.1	.2	.2
01/25/11	10:20	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
01/25/11	10:30	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.1

01/25/11	10:40	.3	.4	.4	.3	.2	.3	.3	.2	.2	.2
01/25/11	10:50	.2	.3	.1	.0	-.1	-.1	.0	.0	.0	.0
01/25/11	11:00	.0	.1	.2	.1	.1	.2	.2	.2	.1	.0
01/25/11	11:10	.0	.0	-.2	-.2	.0	.0	.1	.3	.4	.3
01/25/11	11:20	.1	.1	.2	.1	-.2	.0	.5	1.3	1.1	.4
01/25/11	11:30	.3	.3	.1	.1	.2	.1	.1	.2	.2	.1
01/25/11	11:40	.0	.1	.3	.1	.0	.0	.0	.1	.1	.0
01/25/11	11:50	.0	.0	.0	-.1	-.1	.0	.0	.0	.0	-.1
01/25/11	12:00	.0	.1	.2	.2	.2	.1	.1	.2	.2	.2
01/25/11	12:10	.1	.0	-.1	.0	.1	.2	.2	.2	.1	.1
01/25/11	12:20	.2	.2	.2	.1	.0	.0	.0	.0	.0	.1
01/25/11	12:30	.2	.1	.0	-.1	.0	.0	.1	.2	.1	.0
01/25/11	12:40	.0	.1	.2	.1	.0	.0	.0	.0	.0	.1
01/25/11	12:50	.2	.0	.1	.2	.2	.2	.1	.0	.1	.2
01/25/11	13:00	.1	.0	-.1	-.1	.1	.2	.2	.2	.2	.1
01/25/11	13:10	.1	.3	.4	.2	.2	.2	.2	.2	.0	.0
01/25/11	13:20	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2
01/25/11	13:30	.2	.2	.2	.0	.0	.0	-.1	-.1	.0	.1
01/25/11	13:40	.0	.0	-.1	.0	.1	.2	.2	.2	.2	.2
01/25/11	13:50	.0	.0	.0	.0	.1	.2	.0	.2	.2	.2
01/25/11	14:00	.0	.0	.2	.4	.4	.2	.0	.0	.0	.2
01/25/11	14:10	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0
01/25/11	14:20	.2	.0	.0	.2	.2	.2	.0	.2	.4	.4
01/25/11	14:30	.2	.0	.0	.0	.0	.0	.2	.2	.2	.2
01/25/11	14:40	.2	.0	-.1	.0	.0	.3	.2	.2	.0	.0
01/25/11	14:50	.2	.2	.2	.0	.0	.0	.0	.0	.0	.2
01/25/11	15:00	.0	.0	.0	.2	.0	.0	.0	.0	.2	.2
01/25/11	15:10	.4	.2	.0	.0	-.1	-.1	-.1	-.1	.0	.2
01/25/11	15:20	.2	.2	.2	.0	.3	.4	.2	.0	.2	.4
01/25/11	15:30	.2	.0	.0	.0	.0	.2	.2	.2	.2	.2
01/25/11	15:40	.2	.2	.2	.2	.2	.2	.4	.6	.4	.2
01/25/11	15:50	.2	.2	.2	.2	.0	.0	.2	.2	.2	.4
01/25/11	16:00	.4	.4	.4	.2	.2	.4	.0	.0	.0	.2
01/25/11	16:10	.0	.2	.2	.2	.2	.0	.0	.0	.0	.0
01/25/11	16:20	.2	.2	.2	.2	.0	.0	.2	.2	.2	.2
01/25/11	16:30	.0	-.1	.0	.2	.2	.2	.2	.2	.2	.2
01/25/11	16:40	.2	.2	.0	.0	.2	.2	.0	.0	.0	.2
01/25/11	16:50	.2	.2	.2	.2	.0	-.1	.0	.2	.2	.0
01/25/11	17:00	.0	.0	.2	.2	.0	-.1	-.1	.2	.2	.2
01/25/11	17:10	.2	.2	.2	.2	.0	.0	.2	.2	.2	.2
01/25/11	17:20	.0	.0	.0	.0	.2	.4	.2	.2	.2	.4
01/25/11	17:30	.4	.2	.0	.2	.2	.0	.0	.2	.2	.4
01/25/11	17:40	.4	.2	.0	.0	.0	-.1	-.1	.0	.0	.0
01/25/11	17:50	.2	.0	.0	.2	.4	.2	.2	.4	.4	.2
01/25/11	18:00	.0	.0	.2	.2	.0	.0	.0	.2	.2	.0

01/25/11	18:10	-.1	.0	.2	.4	.4	.0	.0	.0	.0	.0
01/25/11	18:20	.2	.2	.2	.2	.0	.0	.0	.2	.2	.2
01/25/11	18:30	.2	.0	.2	.2	.2	.2	.4	.2	.2	.2
01/25/11	18:40	.2	.2	.2	.0	.0	.2	.0	.0	.0	.0
01/25/11	18:50	.2	.4	.2	.0	.2	.4	.0	.0	.2	.2
01/25/11	19:00	.2	.2	.2	.0	.2	.6	.4	.2	.0	.0
01/25/11	19:10	.4	.4	.2	.2	.2	.2	.0	.0	.0	-.1
01/25/11	19:20	.0	.2	.2	.2	.0	.2	.2	.0	-.1	.0
01/25/11	19:30	.2	.0	-.1	-.1	.0	.0	.2	.2	.0	.0
01/25/11	19:40	.4	.6	.4	.2	.2	.2	.2	.2	.2	.0
01/25/11	19:50	.0	.0	.0	.2	.2	.0	.0	.2	.2	.0
01/25/11	20:00	.0	.0	.0	.2	.2	.2	.2	.4	.4	.6
01/25/11	20:10	.6	.8	.8	.6	.8	.8	.8	1.0	1.0	1.0
01/25/11	20:20	1.0	1.0	1.0	1.2	1.0	1.0	1.0	1.4	3.8	5.8
01/25/11	20:30	3.6	1.8	1.8	1.8	1.6	1.6	1.8	1.8	1.6	1.4
01/25/11	20:40	1.3	1.0	1.0	.8	.8	.6	.4	.6	.8	.4
01/25/11	20:50	.4	.4	.4	.2	.2	.4	.2	.0	.2	.2
01/25/11	21:00	.4	.4	.2	.2	.2	.2	.0	.2	.2	.0
01/25/11	21:10	-.1	-.1	.0	.2	.4	.4	.4	.4	.2	.2
01/25/11	21:20	.2	.4	.4	.2	.2	.0	.2	.2	.2	.2
01/25/11	21:30	.4	.2	.2	.2	.2	.2	.2	.0	.2	.2
01/25/11	21:40	.2	.4	.4	.4	.4	.6	.6	.4	.4	.4
01/25/11	21:50	.6	.5	.2	.2	.2	.2	.4	.4	.4	.4
01/25/11	22:00	.4	.6	.6	.6	.6	.4	.2	.4	.4	.2
01/25/11	22:10	.2	.4	.6	.6	.4	.2	.2	.2	.2	.0
01/25/11	22:20	.0	.0	.2	.4	.2	.4	.6	.4	.2	.4
01/25/11	22:30	.4	.2	.0	.0	.2	.2	.4	.4	.4	.4
01/25/11	22:40	.4	.2	.2	.2	.2	.2	.0	.2	.4	.2
01/25/11	22:50	.2	.4	.4	.2	.2	.4	.4	.2	.0	.2
01/25/11	23:00	.2	.2	.2	.4	.4	.4	.4	.6	.4	.2
01/25/11	23:10	.4	.2	.2	.2	.2	.2	.2	.2	.2	.2
01/25/11	23:20	.2	.2	.2	.4	.2	.2	.2	.2	.4	.6
01/25/11	23:30	.4	.2	.2	.2	.4	.3	.2	.2	.2	.2
01/25/11	23:40	.2	.2	.2	.2	.2	.4	.3	.1	.0	.0
01/25/11	23:50	.2	.4	.4	.4	.4	.6	.5	.4	.3	.2
01/26/11	00:00	.2	.2	.2	.2	.2	.4	.4	.4	.4	.4
01/26/11	00:10	.3	.2	.2	.2	.1	.0	.2	.4	.5	.3
01/26/11	00:20	.2	.2	.2	.4	.4	.3	.2	.2	.2	.4
01/26/11	00:30	.4	.4	.3	.2	.5	.6	.6	.5	.4	.3
01/26/11	00:40	.2	.1	.0	.1	.3	.4	.3	.1	.1	.2
01/26/11	00:50	.4	.4	.3	.2	.1	.1	.3	.3	.1	.1
01/26/11	01:00	.3	.4	.4	.4	.3	.2	.3	.3	.2	.2
01/26/11	01:10	.2	.3	.3	.2	.2	.2	.3	.4	.3	.2

01/26/11	01:20	.2	.1	.0	.1	.3	.3	.1	.1	.2	.1
01/26/11	01:30	.1	.3	.4	.4	.5	.5	.3	.1	.0	.1
01/26/11	01:40	.3	.3	.2	.1	.0	.0	.0	.1	.2	.2
01/26/11	01:50	.2	.2	.3	.3	.2	.2	.2	.2	.2	.2
01/26/11	02:00	.2	.2	.2	.2	.3	.3	.2	.2	.3	.3
01/26/11	02:10	.1	.0	.0	.0	.0	.1	.3	.4	.4	.4
01/26/11	02:20	.3	.2	.2	.2	.2	.3	.5	.6	.5	.2
01/26/11	02:30	.3	.4	.3	.2	.2	.1	.0	.1	.4	.4
01/26/11	02:40	.4	.4	.4	.3	.2	.3	.4	.5	.6	.5
01/26/11	02:50	.3	.2	.2	.2	.3	.5	.5	.3	.2	.2
01/26/11	03:00	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
01/26/11	03:10	.1	.0	.1	.3	.4	.4	.4	.4	.4	.4
01/26/11	03:20	.4	.3	.3	.4	.4	.3	.2	.2	.2	.2
01/26/11	03:30	.2	.2	.2	.2	.2	.1	.0	.1	.3	.4
01/26/11	03:40	.5	.6	.5	.3	.2	.2	.2	.2	.1	.0
01/26/11	03:50	.1	.2	.3	.4	.4	.4	.4	.4	.4	.3
01/26/11	04:00	.2	.2	.2	.2	.3	.3	.3	.5	.5	.3
01/26/11	04:10	.1	.0	.0	.1	.2	.2	.1	.0	.0	.1
01/26/11	04:20	.2	.2	.1	.1	.3	.4	.3	.2	.1	.0
01/26/11	04:30	.1	.3	.3	.2	.3	.4	.3	.1	.0	.1
01/26/11	04:40	.3	.3	.1	.0	.0	.0	.1	.3	.3	.2
01/26/11	04:50	.1	.0	.1	.2	.2	.2	.2	.1	.1	.2
01/26/11	05:00	.3	.4	.4	.3	.2	.3	.3	.2	.2	.1
01/26/11	05:10	.0	.1	.2	.2	.2	.2	.2	.2	.2	.2
01/26/11	05:20	.2	.2	.2	.3	.4	.3	.1	.0	-.1	.0
01/26/11	05:30	.1	.1	.1	.3	.3	.1	.0	.0	.1	.2
01/26/11	05:40	.2	.2	.2	.1	.0	.1	.2	.3	.3	.1
01/26/11	05:50	.0	.0	.0	-.1	.0	.1	.2	.2	.1	.0
01/26/11	06:00	.0	.0	.1	.1	.0	.1	.2	.2	.3	.4
01/26/11	06:10	.4	.3	.2	.2	.2	.2	.2	.2	.1	.0
01/26/11	06:20	.1	.2	.2	.2	.2	.2	.1	.1	.3	.3
01/26/11	06:30	.2	.1	.1	.1	.0	.1	.2	.2	.2	.1
01/26/11	06:40	.0	.0	.0	-.1	.0	.1	.2	.1	.1	.2
01/26/11	06:50	.2	.2	.2	.2	.2	.2	.1	.0	.0	.0
01/26/11	07:00	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0
01/26/11	07:10	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3
01/26/11	07:20	.4	.3	.2	.2	.1	.0	.0	.0	.0	.0
01/26/11	07:30	.0	.1	.2	.1	.0	.1	.1	.0	-.1	.0
01/26/11	07:40	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1
01/26/11	07:50	.2	.1	.0	.0	.0	.0	.1	.2	.1	.0
01/26/11	08:00	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
01/26/11	08:10	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0
01/26/11	08:20	-.1	.0	.1	.1	.0	.0	.0	.0	.0	.0
01/26/11	08:30	.0	.1	.2	.2	.1	.0	.0	.1	.2	.1
01/26/11	08:40	.1	.2	.1	.0	.0	.0	-.1	.0	.1	.2

01/26/11	08:50	.1	.0	-.1	-.1	-.1	.0	.1	.2	.1	.0
01/26/11	09:00	.0	.1	.0	-.1	.1	.3	.1	.0	.1	.2
01/26/11	09:10	.2	.2	.1	.0	.1	.6	1.1	.7	.0	.0
01/26/11	09:20	.0	.0	.0	.1	.2	.2	.2	.2	.2	.2
01/26/11	09:30	.1	.1	.2	.1	.0	.0	.1	.3	.3	.1
01/26/11	09:40	.1	.2	.1	.1	.3	.3	.1	.0	.0	.0
01/26/11	09:50	.1	.3	.3	.2	.2	.1	.0	.1	.3	.4
01/26/11	10:00	.3	.2	.2	.2	.2	.2	.1	.0	.0	.3
01/26/11	10:10	.3	.0	.2	.3	.0	-.1	-.3	.0	.5	.2
01/26/11	10:20	.0	.1	.2	.0	-.1	-.3	-.3	-.3	-.3	-.2
01/26/11	10:30	.0	.3	.5	.4	.2	.1	.1	.2	.3	.4
01/26/11	10:40	.4	.4	.2	.2	.2	.0	-.1	.0	.1	.0
01/26/11	10:50	-.5	-.7	.0	M	M	M	M	M	M	M
01/26/11	11:00	M	M	M	M	M	M	M	M	M	M
01/26/11	11:10	M	M	M	M	M	M	M	M	M	M
01/26/11	11:20	M	M	M	M	M	M	M	M	M	M
01/26/11	11:30	M	M	M	M	M	M	M	M	M	M
01/26/11	11:40	M	M	M	M	M	M	M	M	M	M
01/26/11	11:50	M	M	M	M	M	M	M	M	M	M
01/26/11	12:00	M	M	M	M	M	M	M	M	M	M
01/26/11	12:10	M	M	M	M	M	M	M	M	M	M
01/26/11	12:20	M	M	M	M	M	M	M	M	M	M
01/26/11	12:30	M	M	M	M	M	M	M	M	M	M
01/26/11	12:40	M	M	M	M	M	M	M	M	M	M
01/26/11	12:50	M	M	M	M	M	M	M	.2	.2	.2
01/26/11	13:00	.2	.2	.2	.2	.2	.2	.2	.2	.4	.4
01/26/11	13:10	.4	.2	.2	.2	.4	.4	.4	1.6	2.9	1.6
01/26/11	13:20	.3	.2	.2	.2	.2	.2	.2	.4	.2	.2
01/26/11	13:30	.2	.0	.2	.2	.2	.2	.2	.2	.0	.0
01/26/11	13:40	.0	.4	.4	.2	.0	.0	.2	.2	.0	.0
01/26/11	13:50	.0	.0	.0	.2	.2	.2	.2	.0	.0	.0
01/26/11	14:00	.2	.2	.2	.2	.2	.0	.2	.2	.0	.0
01/26/11	14:10	.0	.2	.2	.2	.4	.4	.2	.0	-.1	.0
01/26/11	14:20	.2	.2	.2	.2	.2	.2	.0	.0	.0	.2
01/26/11	14:30	.2	.2	.2	.0	.0	.0	.2	.2	.2	.4
01/26/11	14:40	.2	.0	.0	.2	.2	.2	.2	.0	.0	.0
01/26/11	14:50	.0	.0	.0	.0	.2	.2	.0	-.1	.0	.2
01/26/11	15:00	.2	.2	.0	-.1	.0	.2	.0	-.1	-.1	.0
01/26/11	15:10	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2
01/26/11	15:20	.0	.0	.0	.2	.2	.0	.0	.2	.0	.0
01/26/11	15:30	.2	.2	-3.8	-4.5	-3.9	.0	-.1	-.1	.0	.0
01/26/11	15:40	-.1	.0	.2	.0	.0	.0	.2	.2	.0	.0
01/26/11	15:50	.0	.0	.0	.0	.0	-.1	-.1	.0	.2	.2
01/26/11	16:00	.2	.2	.2	.0	.0	.0	.0	.0	.0	.2
01/26/11	16:10	.4	.2	.0	.0	.0	.0	-.1	-.1	-.1	.0

01/26/11	16:20	.0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
01/26/11	16:30	.2	.2	.2	.2	.2	.2	.2	.2	.4	.2	.2
01/26/11	16:40	.0	.2	.4	.2	.0	.0	-.1	-.1	.0	.2	.2
01/26/11	16:50	.0	-.3	-.3	-.1	-.1	.0	.0	.0	.2	.0	.0
01/26/11	17:00	-.1	.0	.2	.2	.4	.4	.0	.0	.0	.0	.0
01/26/11	17:10	.0	.0	-.1	-.3	-.3	-.1	.0	.2	.2	.2	.2
01/26/11	17:20	.2	.0	.0	.2	.2	.0	.0	-.1	.0	.0	.0
01/26/11	17:30	-.1	.0	.2	.0	.0	.0	.2	.0	-.1	-.1	-.1
01/26/11	17:40	-.1	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2
01/26/11	17:50	.2	.2	.2	.2	.0	-.1	.0	.0	.0	.0	.0
01/26/11	18:00	-.1	.0	.0	.0	.0	.0	.0	.2	.4	.2	.2
01/26/11	18:10	.2	.2	.2	.2	.2	.2	.2	.0	.2	.2	.6
01/26/11	18:20	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0
01/26/11	18:30	.0	.0	-.1	-.1	-.1	-.1	.0	.0	.0	.0	.0
01/26/11	18:40	.0	.0	.0	.0	.0	.2	.2	.2	.0	.2	.2
01/26/11	18:50	.2	.2	.2	.0	.0	.0	.0	-.1	-.1	.0	.0
01/26/11	19:00	.0	.0	.0	.0	.2	.2	.0	.0	.2	.0	.0
01/26/11	19:10	-.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	19:20	.2	.2	.0	-.1	.0	.0	.2	.0	.0	.0	.0
01/26/11	19:30	.0	.0	-.1	.0	.0	.0	.0	.0	.0	.2	.2
01/26/11	19:40	.2	.2	.4	.2	.0	.0	.0	-.1	-.3	-.3	-.3
01/26/11	19:50	-.1	-.1	-.1	.0	.2	.2	.0	.0	.0	.0	.0
01/26/11	20:00	.0	.0	.2	.0	-.1	.0	.2	.2	.0	.0	.0
01/26/11	20:10	-.1	-.1	.0	.0	.0	.0	.2	.2	.2	.0	.0
01/26/11	20:20	.0	.0	.0	.2	.2	.2	.0	.0	.0	.0	.0
01/26/11	20:30	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0
01/26/11	20:40	.2	.0	-.1	.0	.1	.0	.2	.2	.1	.0	.0
01/26/11	20:50	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.3
01/26/11	21:00	.1	.0	.2	.1	.0	-.1	-.1	.0	.1	.0	.0
01/26/11	21:10	.0	.0	.0	.0	.2	.1	.0	-.1	-.1	.0	.0
01/26/11	21:20	.2	.2	.2	.1	.0	-.1	-.1	.0	.0	-.1	-.1
01/26/11	21:30	-.1	.0	.2	.2	.2	.2	.2	.1	.0	.0	.0
01/26/11	21:40	.0	.0	-.1	.0	.0	.0	.0	.0	.0	.0	.0
01/26/11	21:50	.0	.0	.0	-.1	-.1	-.1	-.1	.0	.2	.1	.1
01/26/11	22:00	.0	.0	.1	.0	.1	.2	.2	.1	.0	-.1	-.1
01/26/11	22:10	.0	.0	.0	.0	.0	.0	.0	.0	.0	-.1	-.1
01/26/11	22:20	-.1	-.1	-.1	-.1	.0	.0	-.1	.0	.2	.1	.1
01/26/11	22:30	.0	.0	.0	.0	.1	.2	.2	.1	.0	.0	.0
01/26/11	22:40	.1	.2	.2	.1	.0	.0	-.1	-.1	.0	.1	.1
01/26/11	22:50	.2	.1	.0	.0	.0	.0	.1	.2	.1	.0	.0
01/26/11	23:00	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2
01/26/11	23:10	.2	.2	.2	.1	-.1	.0	.1	.1	.0	.0	.0
01/26/11	23:20	.0	.0	.0	-.1	.0	.0	.0	.0	.0	.0	.0
01/26/11	23:30	-.1	-.1	-.1	.0	.1	.2	.2	.1	.1	.2	.2
01/26/11	23:40	.2	.2	.2	.2	.2	.1	.0	.0	.0	.0	.0

01/26/11	23:50	.0	.0	.1	.2	.2	.1	.0	-.1	.0	.0
01/27/11	00:00	.0	.0	.0	.0	-.1	-.1	.0	.0	-.1	-.3
01/27/11	00:10	-.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	00:20	.0	.0	.0	.0	.0	-.1	.0	.2	.2	.2
01/27/11	00:30	.1	.0	.0	.0	-.1	.0	.1	.2	.2	.1
01/27/11	00:40	.0	.0	.0	.1	.1	-.1	-.3	-.2	.0	.0
01/27/11	00:50	.0	.0	.1	.1	.0	.0	.0	.0	.1	.1
01/27/11	01:00	.1	.1	.0	.0	.1	.1	.0	.0	.0	.0
01/27/11	01:10	.0	.0	.0	.0	.0	.0	.0	-.1	.0	.1
01/27/11	01:20	.2	.2	.2	.1	.0	.0	.1	.3	.3	.1
01/27/11	01:30	.0	.0	-.1	-.1	.0	.1	.1	.0	.0	.1
01/27/11	01:40	.1	.0	.0	.0	.0	.0	.1	.2	.1	.0
01/27/11	01:50	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
01/27/11	02:00	.1	.2	.1	.0	.0	.0	.0	.1	.1	.0
01/27/11	02:10	-.1	-.1	-.1	.0	.0	.0	.0	.0	.0	-.1
01/27/11	02:20	.0	.0	.0	.0	.0	.0	-.1	-.1	.0	.0
01/27/11	02:30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	02:40	.0	.1	.3	.3	.1	.0	-.1	.0	.1	.2
01/27/11	02:50	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
01/27/11	03:00	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0
01/27/11	03:10	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1
01/27/11	03:20	.0	.0	.0	.0	-.1	-.1	-.1	.0	.0	.0
01/27/11	03:30	.0	.0	.0	.1	.2	.1	.0	.0	.1	.2
01/27/11	03:40	.1	.0	.0	.0	.0	.1	.2	.2	.2	.2
01/27/11	03:50	.1	.0	.0	.1	.2	.2	.1	.1	.2	.1
01/27/11	04:00	.0	.0	.0	.0	-.1	.0	.0	.0	.0	.0
01/27/11	04:10	.0	.0	-.1	.0	.0	.0	.1	.2	.1	.0
01/27/11	04:20	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0
01/27/11	04:30	.1	.3	.3	.1	.0	.1	.2	.2	.2	.1
01/27/11	04:40	.0	.1	.2	.2	.2	.1	.0	.1	.2	.2
01/27/11	04:50	.2	.2	.2	.2	.2	.2	.2	.1	.0	.0
01/27/11	05:00	.0	.1	.2	.2	.2	.1	.1	.2	.2	.2
01/27/11	05:10	.2	.2	.3	.3	.2	.2	.2	.2	.2	.1
01/27/11	05:20	.1	.3	.4	.3	.2	.3	.3	.3	.4	.4
01/27/11	05:30	.3	.3	.3	.2	.2	.1	.1	.2	.2	.2
01/27/11	05:40	.2	.3	.4	.3	.1	.0	.2	.4	.3	.1
01/27/11	05:50	.1	.4	.6	.5	.3	.2	.3	.4	.3	.2
01/27/11	06:00	.2	.2	.2	.2	.2	.3	.4	.3	.2	.3
01/27/11	06:10	.3	.1	.1	.2	.2	.1	.1	.2	.2	.3
01/27/11	06:20	.4	.4	.3	.2	.2	.3	.4	.1	.1	.3
01/27/11	06:30	.4	.3	.1	.1	.2	.2	.3	.4	.4	.4
01/27/11	06:40	.3	.3	.3	.2	.2	.1	.1	.1	.0	.0
01/27/11	06:50	.0	.0	.1	.2	.2	.2	.3	.4	.4	.4

01/27/11	07:00	.4	.4	.4	.5	.6	.5	.4	.4	.4	.4
01/27/11	07:10	.3	.2	.2	.3	.3	.1	.0	.1	.3	.2
01/27/11	07:20	.1	.0	.0	.0	.1	.2	.3	.2	.0	.0
01/27/11	07:30	.1	.3	.2	.2	.2	.2	.3	.4	.2	.2
01/27/11	07:40	.2	.3	.4	.4	.4	.2	.2	.3	.4	.2
01/27/11	07:50	.3	.4	.4	.4	.4	.4	.2	.0	.3	.4
01/27/11	08:00	.2	.2	.3	.2	.2	.3	.4	.2	.2	.2
01/27/11	08:10	.2	.2	.2	.3	.5	.6	.4	.2	.2	.3
01/27/11	08:20	.4	.4	.2	.2	.3	.2	.0	.1	.2	.2
01/27/11	08:30	.3	.4	.4	.4	.4	.5	.6	.3	.2	.3
01/27/11	08:40	.4	.4	.2	.2	.2	.2	.2	.2	.2	.2
01/27/11	08:50	.3	.4	.4	.4	.4	.4	.4	.2	.2	.0
01/27/11	09:00	.1	.2	.2	.2	.2	.4	.4	.2	.2	.0
01/27/11	09:10	.2	.3	.4	.2	.2	.2	.2	.4	.4	.4
01/27/11	09:20	.4	.2	.0	.2	.2	.2	.4	.4	.4	.2
01/27/11	09:30	.4	.6	.4	.4	.6	.6	.6	.6	.8	.8
01/27/11	09:40	.8	.8	.8	.6	.6	.6	.4	.4	.6	.6
01/27/11	09:50	.8	1.0	.8	.6	.6	.6	.6	.8	1.0	1.0
01/27/11	10:00	.8	.6	.9	1.2	1.2	1.0	.8	.8	.8	.8
01/27/11	10:10	1.0	1.0	1.2	1.0	1.0	.8	.8	.8	1.0	.8
01/27/11	10:20	.8	.8	.8	.6	.6	.6	.6	.6	.4	.4
01/27/11	10:30	.6	.6	.6	.6	.6	.8	.8	.6	.6	.6
01/27/11	10:40	.6	.8	.8	.6	.8	.8	.6	.6	.6	.6
01/27/11	10:50	.4	.4	.6	.6	.6	.6	.6	.4	.4	.6
01/27/11	11:00	.6	.4	.4	.6	.6	.1	.2	.5	.6	.8
01/27/11	11:10	.8	.6	.4	.8	.8	.6	.8	1.0	.8	1.0
01/27/11	11:20	1.0	.6	.6	.6	.6	.4	.2	.2	.6	.4
01/27/11	11:30	.2	.4	.9	.6	.0	-.5	-.1	.2	-.1	.2
01/27/11	11:40	.4	.8	1.0	.4	.4	.6	1.7	2.0	.5	.2
01/27/11	11:50	-.1	.0	.5	.2	.4	.4	.2	.2	.0	.4
01/27/11	12:00	.6	-.2	-.5	.1	.2	.2	.0	-.3	-.3	.0
01/27/11	12:10	.2	.2	.4	.0	.0	.6	.4	.2	-.1	-.3
01/27/11	12:20	-.3	.0	.0	.0	.0	.0	.0	.0	.0	.4
01/27/11	12:30	.6	.4	.2	.0	.0	.0	.0	.2	.2	.2
01/27/11	12:40	.4	.2	-.1	-.1	-.1	.0	.0	.2	.2	.0
01/27/11	12:50	.4	.4	.2	.2	.0	-.3	.0	.4	.4	.2
01/27/11	13:00	.2	.4	.2	.0	.4	.6	.6	.2	.0	.2
01/27/11	13:10	.0	.2	.4	.2	.4	.6	.2	.0	.2	-.1
01/27/11	13:20	-.1	.0	.0	.2	.2	.2	.2	.2	.0	.0
01/27/11	13:30	.0	.0	.2	.4	.4	.6	.6	.6	.2	.0
01/27/11	13:40	.0	.0	.2	.2	.0	-.1	-.1	-.1	.0	.6
01/27/11	13:50	.4	.0	.0	.2	.2	.2	-.1	-.1	-.1	-.1
01/27/11	14:00	.2	.2	.2	.0	.0	-.1	.2	.2	.0	-.1
01/27/11	14:10	-.1	-.3	.0	.4	.2	.0	.0	.0	.2	.0
01/27/11	14:20	.0	.2	.0	-.1	.2	.2	.2	-.3	-.1	.2

01/27/11	14:30	.0	-.1	-.1	.2	-.3	.0	.0	-.3	.0	.0
01/27/11	14:40	.2	.2	.0	.0	.2	.0	.0	.0	-.1	.2
01/27/11	14:50	.0	-.1	.0	-.3	.0	.4	.2	.4	.2	.2
01/27/11	15:00	.4	.6	.6	.8	.4	.2	.2	-.2	.9	2.9
01/27/11	15:10	1.7	.0	.4	.4	.0	.0	.2	.6	.4	.4
01/27/11	15:20	.2	.2	.4	.2	-.1	.2	.6	.2	.0	.0
01/27/11	15:30	-.3	.0	.2	.2	.2	.4	.4	.2	.2	.2
01/27/11	15:40	.4	.6	1.0	.7	.0	.0	.4	.2	.2	.0
01/27/11	15:50	-.1	.0	.2	.4	.2	.0	.2	.2	.0	-.1
01/27/11	16:00	.0	.4	.6	.4	.0	.1	.6	.5	.2	.2
01/27/11	16:10	.2	.2	.2	.2	.2	.2	.4	.2	.2	.3
01/27/11	16:20	.0	.2	.4	.6	.4	.2	.4	.6	.6	.3
01/27/11	16:30	.0	.1	.4	.6	.4	.2	.0	-.1	-.1	.0
01/27/11	16:40	.1	.4	.6	.4	.2	.2	.4	.2	.2	.2
01/27/11	16:50	.2	.2	.0	.2	.0	-.1	.0	.2	.2	.2
01/27/11	17:00	.4	.2	.2	.2	.0	.2	.4	.2	.2	.4
01/27/11	17:10	.4	.2	.2	.5	.8	.8	.6	.3	.0	.2
01/27/11	17:20	.4	.4	.4	.4	.2	.0	.1	.5	.8	.8
01/27/11	17:30	.6	.6	.3	.0	-.1	.0	.0	.1	.4	.4
01/27/11	17:40	.6	.4	.2	.2	.4	.2	.1	.4	.4	.2
01/27/11	17:50	.2	.4	.2	.2	.4	.6	.4	.2	.4	.4
01/27/11	18:00	.4	.2	.0	.2	.4	.4	.4	.4	.2	.2
01/27/11	18:10	.0	.0	.0	-.1	-.1	.0	.2	.0	.0	.0
01/27/11	18:20	.0	.0	.2	.0	.0	.1	.4	.2	.0	.2
01/27/11	18:30	.4	.3	.1	-.1	-.1	.0	.2	.3	.1	.0
01/27/11	18:40	.0	.0	.0	.0	.2	.2	.2	.2	.2	.1
01/27/11	18:50	.0	.0	.2	.2	.2	.1	.0	.0	.0	.0
01/27/11	19:00	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2
01/27/11	19:10	.4	.3	.2	.2	.3	.2	.2	.1	-.1	-.1
01/27/11	19:20	.0	.0	.2	.2	.2	.3	.1	.0	-.1	-.1
01/27/11	19:30	-.1	-.1	-.1	.0	.2	.1	.0	.0	.0	.0
01/27/11	19:40	-.1	.0	.0	.1	.2	.3	.4	.3	.0	-.1
01/27/11	19:50	.0	.0	.1	.2	.1	.0	.1	.2	.1	.0
01/27/11	20:00	.0	.1	.3	.3	.2	.2	.2	.1	.0	.1
01/27/11	20:10	.1	.0	.1	.3	.3	.1	.0	.1	.1	.0
01/27/11	20:20	.0	.0	.1	.1	.0	.1	.3	.3	.0	.0
01/27/11	20:30	.1	.4	.3	.1	.0	.0	.0	.0	.0	.1
01/27/11	20:40	.1	.0	.0	.0	.1	.2	.2	.2	.2	.2
01/27/11	20:50	.2	.2	.2	.2	.2	.1	.0	.1	.2	.2
01/27/11	21:00	.2	.2	.2	.1	.1	.2	.1	.0	.1	.2
01/27/11	21:10	.2	.3	.4	.3	.1	.1	.3	.5	.5	.2
01/27/11	21:20	.3	.4	.4	.4	.3	.2	.2	.2	.3	.4
01/27/11	21:30	.4	.3	.2	.2	.2	.2	.2	.1	.0	.0
01/27/11	21:40	.1	.3	.3	.1	.0	.1	.3	.4	.4	.4
01/27/11	21:50	.3	.2	.2	.2	.2	.2	.1	.0	.0	.0

01/27/11	22:00	.0	.0	.1	.2	.2	.3	.5	.5	.3	.1
01/27/11	22:10	.0	.0	.1	.3	.3	.1	.0	.0	.0	.1
01/27/11	22:20	.1	.0	.0	.0	.1	.3	.4	.3	.2	.2
01/27/11	22:30	.3	.4	.3	.2	.3	.3	.1	.1	.4	.5
01/27/11	22:40	.3	.2	.3	.3	.1	.1	.4	.6	.5	.3
01/27/11	22:50	.2	.1	.0	-.1	.0	.2	.1	.0	.2	.4
01/27/11	23:00	.3	.2	.2	.2	.3	.4	.3	.3	.4	.3
01/27/11	23:10	.2	.3	.3	.2	.2	.1	.1	.3	.4	.4
01/27/11	23:20	.5	.7	.7	.6	.5	.3	.1	.2	.4	.4
01/27/11	23:30	.4	.4	.4	.4	.3	.1	.1	.2	.4	.7
01/27/11	23:40	.7	.6	.6	.5	.4	.3	.3	.5	.6	.6
01/27/11	23:50	.6	.7	1.0	1.1	.7	.5	.6	.6	.6	.6
01/28/11	00:00	.5	.6	1.0	1.2	1.0	.6	.4	.5	.5	.4
01/28/11	00:10	.4	.4	.3	.4	.6	.4	.2	.2	.3	.5
01/28/11	00:20	.7	.8	.7	.5	.2	.1	.4	.7	.7	.6
01/28/11	00:30	.6	.7	.6	.2	.1	.3	.6	.9	.9	.7
01/28/11	00:40	.6	.6	.5	.3	.3	.5	.7	.8	.8	.7
01/28/11	00:50	.6	.7	.9	.9	.8	.9	.9	.7	.7	.8
01/28/11	01:00	.7	.5	.4	.5	.7	.6	.3	.3	.3	.2
01/28/11	01:10	.2	.2	.2	.3	.5	.6	.6	.6	.7	.9
01/28/11	01:20	.8	.6	.7	1.0	1.2	1.0	.7	.6	.5	.4
01/28/11	01:30	.4	.4	.6	.9	1.0	1.0	.9	.6	.2	.2
01/28/11	01:40	.6	.9	.8	.7	.8	.8	.7	.5	.4	.4
01/28/11	01:50	.5	.6	.5	.5	.7	.7	.5	.4	.6	.8
01/28/11	02:00	.7	.6	.7	.8	.8	.8	.7	.7	1.0	1.2
01/28/11	02:10	1.1	.9	.8	.8	.7	.7	.9	.9	.8	.8
01/28/11	02:20	.8	.8	.7	.5	.4	.5	.6	.6	.7	.6
01/28/11	02:30	.3	.4	.8	.9	.8	.7	.5	.5	.7	.7
01/28/11	02:40	.5	.8	1.1	.8	.4	.1	.0	.4	1.0	1.3
01/28/11	02:50	1.2	1.0	.9	.7	.5	.4	.4	.8	1.1	1.2
01/28/11	03:00	1.1	.9	.7	.5	.4	.5	.7	.8	1.1	1.2
01/28/11	03:10	.8	.3	.4	.7	.8	.7	.9	1.0	.9	.9
01/28/11	03:20	.9	.5	.4	.5	.6	.6	.3	.2	.2	.5
01/28/11	03:30	1.0	1.1	.7	.6	.9	1.3	1.3	.9	.7	.9
01/28/11	03:40	1.0	.7	.6	.6	.6	.6	.7	.8	.7	.6
01/28/11	03:50	.6	.6	.9	1.3	1.4	1.0	.7	.7	.8	.8
01/28/11	04:00	.8	.9	1.1	1.2	.9	.9	1.0	.9	.8	.8
01/28/11	04:10	.9	1.1	.9	.9	1.1	1.1	.7	.5	.4	.5
01/28/11	04:20	.6	.6	.6	.7	.9	1.1	1.2	.9	.7	.7
01/28/11	04:30	.7	.3	.2	.5	.9	1.1	1.1	.9	.8	.9
01/28/11	04:40	1.0	1.0	.7	.6	.6	.6	.7	.8	.7	.7
01/28/11	04:50	.8	.7	.7	.9	1.0	.9	.8	.8	.8	.8
01/28/11	05:00	.6	.6	.7	.9	1.0	.8	.6	.7	1.1	1.2
01/28/11	05:10	.9	.8	.8	.9	1.0	.9	.3	.0	.1	.3

01/28/11	05:20	.4	.8	1.0	.6	.2	.5	.4	.5	.9	.8
01/28/11	05:30	.8	.8	.8	.9	.8	.6	.9	1.0	.8	.6
01/28/11	05:40	.6	.6	.7	.9	1.0	1.0	.8	.8	.6	.6
01/28/11	05:50	.4	.5	.6	.6	.7	.5	.6	.8	.8	1.0
01/28/11	06:00	1.0	.8	.8	.8	1.0	1.0	.8	.6	.6	.6
01/28/11	06:10	.6	.9	1.0	.8	.6	.6	.6	.6	.8	.8
01/28/11	06:20	.8	.9	1.0	.8	.8	.8	.8	1.0	1.0	1.0
01/28/11	06:30	1.0	.8	.6	.8	1.0	.7	.8	1.1	1.0	.7
01/28/11	06:40	.6	.9	.8	.6	.8	1.0	1.0	1.0	1.0	1.0
01/28/11	06:50	1.0	1.0	1.0	.8	.6	.8	.8	.8	.8	1.0
01/28/11	07:00	1.0	1.0	1.0	.8	.6	.6	.8	1.0	1.0	.8
01/28/11	07:10	.8	1.0	1.0	.7	.6	.8	.8	.8	.6	.8
01/28/11	07:20	1.0	.8	.6	.8	1.0	.8	.8	.8	.8	.6
01/28/11	07:30	.6	.8	.8	1.0	1.0	.8	.5	.7	1.1	.9
01/28/11	07:40	.6	.8	1.0	1.0	.7	.6	.6	.8	1.1	1.2
01/28/11	07:50	1.2	1.2	1.0	.8	.8	.8	.6	.4	.4	.6
01/28/11	08:00	.9	.8	.8	1.0	1.2	1.2	1.0	1.0	1.0	1.0
01/28/11	08:10	1.2	1.0	.8	.8	1.0	.8	.8	.8	.6	.8
01/28/11	08:20	1.0	1.0	1.0	.8	.6	.6	.9	1.0	1.0	1.0
01/28/11	08:30	1.0	.8	1.0	1.2	1.0	1.0	1.0	1.0	1.0	1.2
01/28/11	08:40	1.4	1.0	.8	.8	.8	1.0	1.0	1.0	1.0	1.2
01/28/11	08:50	1.2	1.0	.8	1.0	1.0	1.0	1.2	.8	.6	.8
01/28/11	09:00	.8	.8	.8	1.0	.8	.8	.8	.8	.8	.6
01/28/11	09:10	.4	.6	.8	.6	.8	.8	1.0	1.2	.8	.8
01/28/11	09:20	1.0	1.0	.8	M	M	M	M	M	M	M
01/28/11	09:30	M	M	M	M	M	M	M	M	M	M
01/28/11	09:40	M	M	M	M	M	M	M	M	M	M
01/28/11	09:50	M	M	M	M	M	M	M	M	M	M
01/28/11	10:00	M	M	M	M	M	M	M	M	M	M
01/28/11	10:10	M	M	M	M	M	M	M	M	M	M
01/28/11	10:20	M	M	M	M	M	M	M	M	M	M
01/28/11	10:30	M	M	M	M	M	M	M	M	M	M
01/28/11	10:40	M	M	M	M	M	M	M	M	M	M
01/28/11	10:50	M	M	M	M	M	M	M	M	M	M
01/28/11	11:00	M	M	M	M	M	M	M	M	M	M
01/28/11	11:10	M	M	M	M	M	M	M	M	M	M
01/28/11	11:20	M	M	M	M	M	M	M	M	M	M
01/28/11	11:30	M	M	M	M	M	M	M	M	M	M
01/28/11	11:40	M	M	M	M	M	M	M	M	M	M
01/28/11	11:50	M	M	M							
01/28/11	12:00										

Max 5.8
Min -4.5

Mean .2
Records 5,419

Data : '<' - Less than ###% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 11:46

Daily Parameter Report - Minute Averages with Flags
Agilaire LLC

Logger Name : PRIMARY

Logger Id : 01

Parameter : S02

Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhIJjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/24/11	15:20			
01/24/11	15:21			
01/24/11	15:22			
01/24/11	15:23	- .26	< D M	I
01/24/11	15:24	- .10	< M	I
01/24/11	15:25	- .09	< M	I
01/24/11	15:26	- .09	< M	I
01/24/11	15:27	- .31	< M	I
01/24/11	15:28	- .80	< M	I
01/24/11	15:29	-1.09	< M	I
01/24/11	15:30	-1.09	< M	I
01/24/11	15:31	-1.10	< M	I
01/24/11	15:32	-1.09	< M	I
01/24/11	15:33	-1.10	< M	I
01/24/11	15:34	-1.09	< M	I
01/24/11	15:35	-1.10	< M	I
01/24/11	15:36	-1.10	< M	I
01/24/11	15:37	-1.10	< M	I
01/24/11	15:38	-1.09	< M	I
01/24/11	15:39	-1.09	< M	I
01/24/11	15:40	-1.09	< M	I
01/24/11	15:41	-1.09	< M	I
01/24/11	15:42	-1.09	< M	I
01/24/11	15:43	-1.10	< M	I
01/24/11	15:44	-1.09	< M	I
01/24/11	15:45	-1.10	< M	I
01/24/11	15:46	-1.09	< M	I
01/24/11	15:47	-1.09	< M	I
01/24/11	15:48	-1.09	< M	I
01/24/11	15:49	-1.09	< M	I
01/24/11	15:50	-1.09	< M	I
01/24/11	15:51	-1.09	< M	I
01/24/11	15:52	-1.09	< M	I
01/24/11	15:53	-1.10	< M	I
01/24/11	15:54	-1.10	< M	I
01/24/11	15:55	-1.10	< M	I
01/24/11	15:56	-1.10	< M	I
01/24/11	15:57	-1.09	< M	I
01/24/11	15:58	-1.10	< M	I
01/24/11	15:59	-1.09	< M	I
01/24/11	16:00	- .87	< M	I

01/24/11 16:01	100.53	<	M	I
01/24/11 16:02	325.06	<	M	I
01/24/11 16:03	449.97	<	M	I
01/24/11 16:04	453.46	<	M	I
01/24/11 16:05	457.42	<	M	I
01/24/11 16:06	461.90	<	M	I
01/24/11 16:07	465.27	<	M	I
01/24/11 16:08	467.26	<	M	I
01/24/11 16:09	469.71	<	M	I
01/24/11 16:10	472.94	<	M	I
01/24/11 16:11	475.53	<	M	I
01/24/11 16:12	477.26	<	M	I
01/24/11 16:13	457.23	<	M	I
01/24/11 16:14	410.06	<	M	I
01/24/11 16:15	383.08	<	M	I
01/24/11 16:16	381.07	<	M	I
01/24/11 16:17	380.44	<	M	I
01/24/11 16:18	381.20	<	M	I
01/24/11 16:19	381.47	<	M	I
01/24/11 16:20	381.47	<	M	I
01/24/11 16:21	381.01	<	M	I
01/24/11 16:22	380.24	<	M	I
01/24/11 16:23	379.74	<	M	I
01/24/11 16:24	379.23	<	M	I
01/24/11 16:25	379.91	<	M	I
01/24/11 16:26	381.90	<	M	I
01/24/11 16:27	382.74	<	M	I
01/24/11 16:28	382.02	<	M	I
01/24/11 16:29	378.45	<	M	I
01/24/11 16:30	371.72	<	M	I
01/24/11 16:31	372.64	<	M	I
01/24/11 16:32	382.87	<	M	I
01/24/11 16:33	387.06	<	M	I
01/24/11 16:34	384.07	<	M	I
01/24/11 16:35	382.70	<	M	I
01/24/11 16:36	382.97	<	M	I
01/24/11 16:37	397.18	<	M	I
01/24/11 16:38	400.42	<	M	I
01/24/11 16:39	338.68	<	M	I
01/24/11 16:40	209.07	<	M	I
01/24/11 16:41	141.28	<	M	I
01/24/11 16:42	139.29	<	M	I
01/24/11 16:43	138.25	<	M	I
01/24/11 16:44	138.25	<	M	I
01/24/11 16:45	138.26	<	M	I
01/24/11 16:46	138.26	<	M	I
01/24/11 16:47	138.01	<	M	I
01/24/11 16:48	137.51	<	M	I
01/24/11 16:49	137.97	<	M	I
01/24/11 16:50	139.24	<	M	I
01/24/11 16:51	139.03	<	M	I
01/24/11 16:52	137.53	<	M	I
01/24/11 16:53	136.75	<	M	I
01/24/11 16:54	136.75	<	M	I

01/24/11 16:55	136.99	<	M	I
01/24/11 16:56	137.25	<	M	I
01/24/11 16:57	137.25	<	M	I
01/24/11 16:58	137.25	<	M	I
01/24/11 16:59	103.54	<	M	I
01/24/11 17:00	36.37	<	M	I
01/24/11 17:01	2.17	<	M	I
01/24/11 17:02	.93	<	M	I
01/24/11 17:03	.18	<	M	I
01/24/11 17:04	-.31	<	M	I
01/24/11 17:05	-.56	<	M	I
01/24/11 17:06	-.57	<	M	I
01/24/11 17:07	-.56	<	M	I
01/24/11 17:08	-.57	<	M	I
01/24/11 17:09	-.56	<	M	I
01/24/11 17:10	-.56	<	M	I
01/24/11 17:11	-.56	<	M	I
01/24/11 17:12	-.57	<	M	I
01/24/11 17:13	97.80	<	M	I
01/24/11 17:14	294.32	<	M	I
01/24/11 17:15	392.72	<	M	I
01/24/11 17:16	393.23	<	M	I
01/24/11 17:17	393.47	<	M	I
01/24/11 17:18	393.47	<	M	I
01/24/11 17:19	394.76	<	M	I
01/24/11 17:20	397.00	<	M	I
01/24/11 17:21	399.25	<	M	I
01/24/11 17:22	401.74	<	M	I
01/24/11 17:23	402.70	<	M	I
01/24/11 17:24	402.20	<	M	I
01/24/11 17:25	401.43	<	M	I
01/24/11 17:26	400.18	<	M	I
01/24/11 17:27	399.72	<	M	I
01/24/11 17:28	400.21	<	M	I
01/24/11 17:29	401.74	<	M	I
01/24/11 17:30	404.24	<	M	I
01/24/11 17:31	404.68	<	M	I
01/24/11 17:32	403.18	<	M	I
01/24/11 17:33	401.16	<	M	I
01/24/11 17:34	398.67	<	M	I
01/24/11 17:35	291.97	<	M	I
01/24/11 17:36	94.22	<	M	I
01/24/11 17:37	1.41	<	M	I
01/24/11 17:38	.40	<	M	I
01/24/11 17:39	-.06	<	M	I
01/24/11 17:40	-.06	<	M	I
01/24/11 17:41	-.06	<	M	I
01/24/11 17:42	-.33	<	M	I
01/24/11 17:43	-.57	<	M	I
01/24/11 17:44	-.56	<	M	I
01/24/11 17:45	-.57	<	M	I
01/24/11 17:46	-.57	<	M	I
01/24/11 17:47	-.57	<	M	I
01/24/11 17:48	-.56	<	M	I
01/24/11 17:49	-.57	<	M	I

01/24/11 17:50	- .83	<	M	I
01/24/11 17:51	- .80	<	M	I
01/24/11 17:52	- .56	<	M	I
01/24/11 17:53	- .84	<	M	I
01/24/11 17:54	-1.07	<	M	I
01/24/11 17:55	-1.07	<	M	I
01/24/11 17:56	-1.07	<	M	I
01/24/11 17:57	17.04	<	M	I
01/24/11 17:58	50.00	<	M	I
01/24/11 17:59	48.36	<	M	I
01/24/11 18:00	18.40	<	M	I
01/24/11 18:01	4.64	<	M	I
01/24/11 18:02	4.13	<	M	I
01/24/11 18:03	3.62	<	M	I
01/24/11 18:04	3.13	<	M	I
01/24/11 18:05	2.91	<	M	I
01/24/11 18:06	2.63	<	M	I
01/24/11 18:07	2.41	<	M	I
01/24/11 18:08	2.41	<	M	I
01/24/11 18:09	2.41	<	M	I
01/24/11 18:10	2.14	<	M	I
01/24/11 18:11	2.19	<	M	I
01/24/11 18:12	2.39	<	M	I
01/24/11 18:13	2.14	<	M	I
01/24/11 18:14	1.64	<	M	I
01/24/11 18:15	1.43	<	M	I
01/24/11 18:16	1.42	<	M	I
01/24/11 18:17	1.15	<	M	I
01/24/11 18:18	.93	<	M	I
01/24/11 18:19	.93	<	M	I
01/24/11 18:20	.92	<	M	I
01/24/11 18:21	.93	<	M	I
01/24/11 18:22	.93	<	M	I
01/24/11 18:23	.93	<	M	I
01/24/11 18:24	.92	<	M	I
01/24/11 18:25	.93	<	M	I
01/24/11 18:26	.92	<	M	I
01/24/11 18:27	.35	<	M	I
01/24/11 18:28	- .64	<	M	I
01/24/11 18:29	-1.07	<	M	I
01/24/11 18:30	-1.07	<	M	I
01/24/11 18:31	-1.08	<	M	I
01/24/11 18:32	-1.07	<	M	I
01/24/11 18:33	-1.08	<	M	I
01/24/11 18:34	- .78	<	M	I
01/24/11 18:35	- .58	<	M	I
01/24/11 18:36	- .87	<	M	I
01/24/11 18:37	-1.08	<	M	I
01/24/11 18:38	-1.08	<	M	I
01/24/11 18:39	-1.08	<	M	I
01/24/11 18:40	-1.07	<	M	I
01/24/11 18:41	-1.08	<	M	I
01/24/11 18:42	-1.08	<	M	I
01/24/11 18:43	-1.08	<	M	I
01/24/11 18:44	- .79	<	M	I

01/24/11 18:45	.29	<	M	I
01/24/11 18:46	2.07	<	M	I
01/24/11 18:47	2.60	<	M	I
01/24/11 18:48	2.12	<	M	I
01/24/11 18:49	1.62	<	M	I
01/24/11 18:50	1.42	<	M	I
01/24/11 18:51	1.41	<	M	I
01/24/11 18:52	1.42	<	M	I
01/24/11 18:53	1.42	<	M	I
01/24/11 18:54	1.42	<	M	I
01/24/11 18:55	1.41	<	M	I
01/24/11 18:56	1.42	<	M	I
01/24/11 18:57	1.41	<	M	I
01/24/11 18:58	1.42	<	M	I
01/24/11 18:59	1.41	<	M	I
01/24/11 19:00	1.42	<	M	I
01/24/11 19:01	.81	<	M	I
01/24/11 19:02	-.18	<	M	I
01/24/11 19:03	-.88	<	M	I
01/24/11 19:04	-1.08	<	M	I
01/24/11 19:05	-1.08	<	M	I
01/24/11 19:06	-1.08	<	M	I
01/24/11 19:07	-.77	<	M	I
01/24/11 19:08	-.58	<	M	I
01/24/11 19:09	-.57	<	M	I
01/24/11 19:10	-.58	<	M	I
01/24/11 19:11	-.27	<	M	I
01/24/11 19:12	-.07			
01/24/11 19:13	-.07			
01/24/11 19:14	-.39			
01/24/11 19:15	-.58			

Max	477.26
Min	-1.10
Mean	116.71
Records	233

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11
 Current Time : 11:46

Daily Parameter Report - Minute Averages with Flags

Agilaire LLC

Logger Name : PRIMARY
 Logger Id : 01
 Parameter : H2S
 Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhLJjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/24/11	15:20			
01/24/11	15:21			
01/24/11	15:22			
01/24/11	15:23	.37	< D M	I
01/24/11	15:24	.29	< M	I
01/24/11	15:25	.17	< M	I
01/24/11	15:26	.00	< M	I
01/24/11	15:27	-.22	< M	I
01/24/11	15:28	-.05	< M	I
01/24/11	15:29	.17	< M	I
01/24/11	15:30	.17	< M	I
01/24/11	15:31	.26	< M	I
01/24/11	15:32	.37	< M	I
01/24/11	15:33	.29	< M	I
01/24/11	15:34	.17	< M	I
01/24/11	15:35	.17	< M	I
01/24/11	15:36	.25	< M	I
01/24/11	15:37	.29	< M	I
01/24/11	15:38	.08	< M	I
01/24/11	15:39	-.02	< M	I
01/24/11	15:40	-.02	< M	I
01/24/11	15:41	-.02	< M	I
01/24/11	15:42	.06	< M	I
01/24/11	15:43	.26	< M	I
01/24/11	15:44	.29	< M	I
01/24/11	15:45	.17	< M	I
01/24/11	15:46	.17	< M	I
01/24/11	15:47	.08	< M	I
01/24/11	15:48	-.02	< M	I
01/24/11	15:49	.06	< M	I
01/24/11	15:50	.17	< M	I
01/24/11	15:51	.26	< M	I
01/24/11	15:52	.29	< M	I
01/24/11	15:53	.17	< M	I
01/24/11	15:54	.17	< M	I
01/24/11	15:55	.17	< M	I
01/24/11	15:56	.26	< M	I
01/24/11	15:57	.46	< M	I
01/24/11	15:58	.38	< M	I
01/24/11	15:59	1.04	< M	I
01/24/11	16:00	90.62	< M	I
01/24/11	16:01	199.71	< M	I
01/24/11	16:02	111.53	< M	I
01/24/11	16:03	3.95	< M	I

01/24/11 16:04	3.26	<	M	I
01/24/11 16:05	.73	<	M	I
01/24/11 16:06	-1.56	<	M	I
01/24/11 16:07	-1.77	<	M	I
01/24/11 16:08	-.15	<	M	I
01/24/11 16:09	1.71	<	M	I
01/24/11 16:10	1.20	<	M	I
01/24/11 16:11	-.67	<	M	I
01/24/11 16:12	-2.75	<	M	I
01/24/11 16:13	-4.62	<	M	I
01/24/11 16:14	2.02	<	M	I
01/24/11 16:15	3.50	<	M	I
01/24/11 16:16	-3.36	<	M	I
01/24/11 16:17	-1.72	<	M	I
01/24/11 16:18	-1.52	<	M	I
01/24/11 16:19	-1.05	<	M	I
01/24/11 16:20	-.81	<	M	I
01/24/11 16:21	-.84	<	M	I
01/24/11 16:22	.58	<	M	I
01/24/11 16:23	2.90	<	M	I
01/24/11 16:24	3.87	<	M	I
01/24/11 16:25	2.55	<	M	I
01/24/11 16:26	.23	<	M	I
01/24/11 16:27	-.55	<	M	I
01/24/11 16:28	.42	<	M	I
01/24/11 16:29	4.52	<	M	I
01/24/11 16:30	39.58	<	M	I
01/24/11 16:31	98.94	<	M	I
01/24/11 16:32	93.00	<	M	I
01/24/11 16:33	28.17	<	M	I
01/24/11 16:34	-1.79	<	M	I
01/24/11 16:35	-.90	<	M	I
01/24/11 16:36	-.45	<	M	I
01/24/11 16:37	.47	<	M	I
01/24/11 16:38	-1.93	<	M	I
01/24/11 16:39	-4.62	<	M	I
01/24/11 16:40	-4.62	<	M	I
01/24/11 16:41	-2.98	<	M	I
01/24/11 16:42	-.26	<	M	I
01/24/11 16:43	.58	<	M	I
01/24/11 16:44	-.01	<	M	I
01/24/11 16:45	-.81	<	M	I
01/24/11 16:46	-1.13	<	M	I
01/24/11 16:47	-.74	<	M	I
01/24/11 16:48	-.13	<	M	I
01/24/11 16:49	-.50	<	M	I
01/24/11 16:50	-1.99	<	M	I
01/24/11 16:51	-2.33	<	M	I
01/24/11 16:52	-.95	<	M	I
01/24/11 16:53	.07	<	M	I
01/24/11 16:54	-.02	<	M	I
01/24/11 16:55	-.51	<	M	I
01/24/11 16:56	-.62	<	M	I
01/24/11 16:57	-.12	<	M	I
01/24/11 16:58	-2.22	<	M	I

01/24/11 16:59	-4.61	<	M	I
01/24/11 17:00	-2.32	<	M	I
01/24/11 17:01	-.81	<	M	I
01/24/11 17:02	-1.12	<	M	I
01/24/11 17:03	-.62	<	M	I
01/24/11 17:04	-.52	<	M	I
01/24/11 17:05	-.52	<	M	I
01/24/11 17:06	-.62	<	M	I
01/24/11 17:07	-.52	<	M	I
01/24/11 17:08	-.42	<	M	I
01/24/11 17:09	-.42	<	M	I
01/24/11 17:10	-.32	<	M	I
01/24/11 17:11	-.32	<	M	I
01/24/11 17:12	96.43	<	M	I
01/24/11 17:13	194.50	<	M	I
01/24/11 17:14	99.63	<	M	I
01/24/11 17:15	2.94	<	M	I
01/24/11 17:16	2.47	<	M	I
01/24/11 17:17	2.98	<	M	I
01/24/11 17:18	3.46	<	M	I
01/24/11 17:19	2.32	<	M	I
01/24/11 17:20	.75	<	M	I
01/24/11 17:21	-.14	<	M	I
01/24/11 17:22	-1.55	<	M	I
01/24/11 17:23	-1.90	<	M	I
01/24/11 17:24	-1.42	<	M	I
01/24/11 17:25	-1.11	<	M	I
01/24/11 17:26	-.31	<	M	I
01/24/11 17:27	-.13	<	M	I
01/24/11 17:28	45.18	<	M	I
01/24/11 17:29	132.33	<	M	I
01/24/11 17:30	127.29	<	M	I
01/24/11 17:31	39.18	<	M	I
01/24/11 17:32	-1.59	<	M	I
01/24/11 17:33	.51	<	M	I
01/24/11 17:34	-1.58	<	M	I
01/24/11 17:35	-4.62	<	M	I
01/24/11 17:36	22.43	<	M	I
01/24/11 17:37	21.07	<	M	I
01/24/11 17:38	-.50	<	M	I
01/24/11 17:39	-.33	<	M	I
01/24/11 17:40	-.53	<	M	I
01/24/11 17:41	-.62	<	M	I
01/24/11 17:42	-.52	<	M	I
01/24/11 17:43	-.42	<	M	I
01/24/11 17:44	-.42	<	M	I
01/24/11 17:45	-.53	<	M	I
01/24/11 17:46	-.62	<	M	I
01/24/11 17:47	-.62	<	M	I
01/24/11 17:48	-.63	<	M	I
01/24/11 17:49	-.52	<	M	I
01/24/11 17:50	-.42	<	M	I
01/24/11 17:51	-.53	<	M	I
01/24/11 17:52	-.52	<	M	I
01/24/11 17:53	-.32	<	M	I

01/24/11 17:54	- .33	<	M	I
01/24/11 17:55	- .42	<	M	I
01/24/11 17:56	- .31	<	M	I
01/24/11 17:57	-2.64	<	M	I
01/24/11 17:58	7.24	<	M	I
01/24/11 17:59	77.80	<	M	I
01/24/11 18:00	142.75	<	M	I
01/24/11 18:01	154.49	<	M	I
01/24/11 18:02	153.84	<	M	I
01/24/11 18:03	153.64	<	M	I
01/24/11 18:04	153.33	<	M	I
01/24/11 18:05	152.82	<	M	I
01/24/11 18:06	153.65	<	M	I
01/24/11 18:07	155.21	<	M	I
01/24/11 18:08	155.32	<	M	I
01/24/11 18:09	154.74	<	M	I
01/24/11 18:10	156.55	<	M	I
01/24/11 18:11	159.53	<	M	I
01/24/11 18:12	143.97	<	M	I
01/24/11 18:13	115.77	<	M	I
01/24/11 18:14	93.97	<	M	I
01/24/11 18:15	76.38	<	M	I
01/24/11 18:16	68.67	<	M	I
01/24/11 18:17	68.78	<	M	I
01/24/11 18:18	68.64	<	M	I
01/24/11 18:19	68.24	<	M	I
01/24/11 18:20	68.41	<	M	I
01/24/11 18:21	69.01	<	M	I
01/24/11 18:22	68.93	<	M	I
01/24/11 18:23	68.33	<	M	I
01/24/11 18:24	67.96	<	M	I
01/24/11 18:25	67.76	<	M	I
01/24/11 18:26	48.21	<	M	I
01/24/11 18:27	14.53	<	M	I
01/24/11 18:28	.40	<	M	I
01/24/11 18:29	.34	<	M	I
01/24/11 18:30	.06	<	M	I
01/24/11 18:31	- .14	<	M	I
01/24/11 18:32	- .22	<	M	I
01/24/11 18:33	- .34	<	M	I
01/24/11 18:34	- .54	<	M	I
01/24/11 18:35	- .51	<	M	I
01/24/11 18:36	- .43	<	M	I
01/24/11 18:37	- .54	<	M	I
01/24/11 18:38	- .62	<	M	I
01/24/11 18:39	- .63	<	M	I
01/24/11 18:40	- .51	<	M	I
01/24/11 18:41	- .31	<	M	I
01/24/11 18:42	- .22	<	M	I
01/24/11 18:43	- .46	<	M	I
01/24/11 18:44	52.03	<	M	I
01/24/11 18:45	141.37	<	M	I
01/24/11 18:46	171.80	<	M	I

01/24/11 18:47	161.78	<	M	I
01/24/11 18:48	158.19	<	M	I
01/24/11 18:49	158.35	<	M	I
01/24/11 18:50	158.82	<	M	I
01/24/11 18:51	159.73	<	M	I
01/24/11 18:52	160.39	<	M	I
01/24/11 18:53	160.55	<	M	I
01/24/11 18:54	160.55	<	M	I
01/24/11 18:55	160.79	<	M	I
01/24/11 18:56	160.47	<	M	I
01/24/11 18:57	159.67	<	M	I
01/24/11 18:58	159.36	<	M	I
01/24/11 18:59	159.48	<	M	I
01/24/11 19:00	127.55	<	M	I
01/24/11 19:01	74.94	<	M	I
01/24/11 19:02	38.27	<	M	I
01/24/11 19:03	11.31	<	M	I
01/24/11 19:04	.25	<	M	I
01/24/11 19:05	-.06	<	M	I
01/24/11 19:06	-.22	<	M	I
01/24/11 19:07	-.34	<	M	I
01/24/11 19:08	-.42	<	M	I
01/24/11 19:09	-.06	<	M	I
01/24/11 19:10	.05	<	M	I
01/24/11 19:11	-.14	<	M	I
01/24/11 19:12	-.35			
01/24/11 19:13	-.17			
01/24/11 19:14	-.02			
01/24/11 19:15	-.14			

Max	199.71
Min	-4.62
Mean	30.91
Records	233

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 16:43

Daily Parameter Report - Minute Averages with Flags
Agilaire LLC

Logger Name : PRIMARY

Logger Id : 01

Parameter : SO2

Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhIJjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/26/11	16:08	-.06		
01/26/11	16:09	-.06		
01/26/11	16:10	-.06	< M	I
01/26/11	16:11	-.07	< M	I
01/26/11	16:12	.38	< M	I
01/26/11	16:13	-.03	< M	I
01/26/11	16:14	-.99	< M	I
01/26/11	16:15	-1.07	< M	I
01/26/11	16:16	-1.07	< M	I
01/26/11	16:17	-1.07	< M	I
01/26/11	16:18	-.61	< M	I
01/26/11	16:19	-1.03	< M	I
01/26/11	16:20	-1.07	< M	I
01/26/11	16:21	-1.07	< M	I
01/26/11	16:22	-.61	< M	I
01/26/11	16:23	-1.03	< M	I
01/26/11	16:24	-1.06	< M	I
01/26/11	16:25	136.42	< M	I
01/26/11	16:26	284.19	< M	I
01/26/11	16:27	360.22	< M	I
01/26/11	16:28	431.61	< M	I
01/26/11	16:29	437.79	< M	I
01/26/11	16:30	439.26	< M	I
01/26/11	16:31	423.52	< M	I
01/26/11	16:32	407.01	< M	I
01/26/11	16:33	403.58	< M	I
01/26/11	16:34	401.08	< M	I
01/26/11	16:35	400.44	< M	I
01/26/11	16:36	399.50	< M	I
01/26/11	16:37	400.80	< M	I
01/26/11	16:38	402.31	< M	I
01/26/11	16:39	402.87	< M	I
01/26/11	16:40	403.38	< M	I
01/26/11	16:41	402.93	< M	I
01/26/11	16:42	402.44	< M	I
01/26/11	16:43	402.87	< M	I
01/26/11	16:44	403.85	< M	I
01/26/11	16:45	404.87	< M	I
01/26/11	16:46	406.33	< M	I
01/26/11	16:47	405.45	< M	I
01/26/11	16:48	404.46	< M	I

01/26/11 16:49	404.41	<	M	I
01/26/11 16:50	403.93	<	M	I
01/26/11 16:51	405.31	<	M	I
01/26/11 16:52	406.81	<	M	I
01/26/11 16:53	282.13	<	M	I
01/26/11 16:54	150.31	<	M	I
01/26/11 16:55	142.77	<	M	I
01/26/11 16:56	141.32	<	M	I
01/26/11 16:57	140.76	<	M	I
01/26/11 16:58	140.27	<	M	I
01/26/11 16:59	140.24	<	M	I
01/26/11 17:00	139.75	<	M	I
01/26/11 17:01	139.73	<	M	I
01/26/11 17:02	139.73	<	M	I
01/26/11 17:03	140.21	<	M	I
01/26/11 17:04	141.21	<	M	I
01/26/11 17:05	75.58	<	M	I
01/26/11 17:06	8.15	<	M	I
01/26/11 17:07	3.00	<	M	I
01/26/11 17:08	.50	<	M	I
01/26/11 17:09	-.06	<	M	I
01/26/11 17:10	-.57	<	M	I
01/26/11 17:11	-.09	<	M	I
01/26/11 17:12	.41	<	M	I
01/26/11 17:13	-.06	<	M	I
01/26/11 17:14	-1.04	<	M	I
01/26/11 17:15	-.59	<	M	I
01/26/11 17:16	-.57	<	M	I
01/26/11 17:17	-.57	<	M	I
01/26/11 17:18	-1.06	<	M	I
01/26/11 17:19	-1.08	<	M	I
01/26/11 17:20	-.59	<	M	I
01/26/11 17:21	24.52	<	M	I
01/26/11 17:22	50.96	<	M	I
01/26/11 17:23	28.62	<	M	I
01/26/11 17:24	4.30	<	M	I
01/26/11 17:25	3.90	<	M	I
01/26/11 17:26	3.40	<	M	I
01/26/11 17:27	2.91	<	M	I
01/26/11 17:28	2.90	<	M	I
01/26/11 17:29	2.90	<	M	I
01/26/11 17:30	2.90	<	M	I
01/26/11 17:31	2.40	<	M	I
01/26/11 17:32	1.93	<	M	I
01/26/11 17:33	2.38	<	M	I
01/26/11 17:34	2.89	<	M	I
01/26/11 17:35	2.40	<	M	I
01/26/11 17:36	1.93	<	M	I
01/26/11 17:37	1.92	<	M	I
01/26/11 17:38	1.43	<	M	I
01/26/11 17:39	1.91	<	M	I
01/26/11 17:40	1.92	<	M	I
01/26/11 17:41	1.92	<	M	I
01/26/11 17:42	1.92	<	M	I

01/26/11 17:43	1.92	<	M	I
01/26/11 17:44	1.43	<	M	I
01/26/11 17:45	1.92	<	M	I
01/26/11 17:46	1.92	<	M	I
01/26/11 17:47	1.91	<	M	I
01/26/11 17:48	1.92	<	M	I
01/26/11 17:49	1.92	<	M	I
01/26/11 17:50	1.92	<	M	I
01/26/11 17:51	.92	<	M	I
01/26/11 17:52	.42	<	M	I
01/26/11 17:53	.41	<	M	I
01/26/11 17:54	.41	<	M	I
01/26/11 17:55	.41	<	M	I
01/26/11 17:56	.41	<	M	I
01/26/11 17:57	.42	<	M	I
01/26/11 17:58	.92	<	M	I
01/26/11 17:59	.41	<	M	I
01/26/11 18:00	.42	<	M	I
01/26/11 18:01	.42	<	M	I
01/26/11 18:02	.42	<	M	I
01/26/11 18:03	.41	<	M	I
01/26/11 18:04	.41	<	M	I
01/26/11 18:05	.41	<	M	I
01/26/11 18:06	.42	<	M	I
01/26/11 18:07	.41	<	M	I
01/26/11 18:08	.42	<	M	I
01/26/11 18:09	-.08	<	M	I
01/26/11 18:10	-.57	<	M	I

01/26/11 18:11	-.58	<	M	I
01/26/11 18:12	-1.07	<	M	I
01/26/11 18:13	-.56	<	M	I
01/26/11 18:14	-.07	<	M	I
01/26/11 18:15	-.07	<	M	I
01/26/11 18:16	-.07	<	M	I
01/26/11 18:17	-.07	<	M	I
01/26/11 18:18	-.07			
01/26/11 18:19	-.07			

Max	439.26
Min	-1.08
Mean	99.00
Records	132

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line, 'C' - Calibration, 'M' - Maintenance, 'O' - Flags : 'B' - Bad Status, 'U' - Analog Underrange, 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Analog Overrange, 'H' - High-High Alarm, 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - Rate of Change, 'j' - Low Rate of Change, 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - High Rate of Change, 'Z' - DIS #5 Obs, 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 16:43

Daily Parameter Report - Minute Averages with Flags
Agilaire LLC

Logger Name : PRIMARY

Logger Id : 01

Parameter : H2S

Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhIJjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/26/11	16:08	4.81		
01/26/11	16:09	6.98		
01/26/11	16:10	10.27	< M	I
01/26/11	16:11	13.67	< M	I
01/26/11	16:12	8.82	< M	I
01/26/11	16:13	3.77	< M	I
01/26/11	16:14	1.90	< M	I
01/26/11	16:15	-.06	< M	I
01/26/11	16:16	-.04	< M	I
01/26/11	16:17	-.21	< M	I
01/26/11	16:18	-.22	< M	I
01/26/11	16:19	-.22	< M	I
01/26/11	16:20	-.22	< M	I
01/26/11	16:21	-.41	< M	I
01/26/11	16:22	-.42	< M	I
01/26/11	16:23	-.05	< M	I
01/26/11	16:24	.15	< M	I
01/26/11	16:25	-4.30	< M	I
01/26/11	16:26	-4.61	< M	I
01/26/11	16:27	71.24	< M	I
01/26/11	16:28	9.37	< M	I
01/26/11	16:29	2.70	< M	I
01/26/11	16:30	-4.14	< M	I
01/26/11	16:31	-4.62	< M	I
01/26/11	16:32	-4.62	< M	I
01/26/11	16:33	-3.87	< M	I
01/26/11	16:34	-1.22	< M	I
01/26/11	16:35	-.09	< M	I
01/26/11	16:36	.53	< M	I
01/26/11	16:37	-.73	< M	I
01/26/11	16:38	-1.38	< M	I
01/26/11	16:39	-.87	< M	I
01/26/11	16:40	-.64	< M	I
01/26/11	16:41	.85	< M	I
01/26/11	16:42	1.33	< M	I
01/26/11	16:43	.62	< M	I
01/26/11	16:44	.38	< M	I
01/26/11	16:45	-.58	< M	I
01/26/11	16:46	-1.76	< M	I
01/26/11	16:47	-.69	< M	I

01/26/11 16:48	- .24	<	M	I
01/26/11 16:49	- .99	<	M	I
01/26/11 16:50	1.24	<	M	I
01/26/11 16:51	2.32	<	M	I
01/26/11 16:52	-4.27	<	M	I
01/26/11 16:53	-4.62	<	M	I
01/26/11 16:54	26.11	<	M	I
01/26/11 16:55	1.17	<	M	I
01/26/11 16:56	.15	<	M	I
01/26/11 16:57	- .39	<	M	I
01/26/11 16:58	- .42	<	M	I
01/26/11 16:59	- .42	<	M	I
01/26/11 17:00	.89	<	M	I
01/26/11 17:01	2.11	<	M	I
01/26/11 17:02	1.97	<	M	I
01/26/11 17:03	.83	<	M	I
01/26/11 17:04	-4.44	<	M	I
01/26/11 17:05	26.46	<	M	I
01/26/11 17:06	44.52	<	M	I
01/26/11 17:07	-1.03	<	M	I
01/26/11 17:08	- .50	<	M	I
01/26/11 17:09	- .62	<	M	I
01/26/11 17:10	- .24	<	M	I
01/26/11 17:11	- .81	<	M	I
01/26/11 17:12	-1.39	<	M	I
01/26/11 17:13	- .84	<	M	I
01/26/11 17:14	- .24	<	M	I
01/26/11 17:15	- .41	<	M	I
01/26/11 17:16	- .42	<	M	I
01/26/11 17:17	- .23	<	M	I
01/26/11 17:18	- .22	<	M	I
01/26/11 17:19	- .22	<	M	I
01/26/11 17:20	- .22	<	M	I
01/26/11 17:21	-4.47	<	M	I
01/26/11 17:22	38.82	<	M	I
01/26/11 17:23	155.59	<	M	I
01/26/11 17:24	181.31	<	M	I
01/26/11 17:25	181.90	<	M	I
01/26/11 17:26	182.11	<	M	I
01/26/11 17:27	182.30	<	M	I
01/26/11 17:28	183.48	<	M	I
01/26/11 17:29	184.29	<	M	I
01/26/11 17:30	183.32	<	M	I
01/26/11 17:31	182.71	<	M	I
01/26/11 17:32	183.49	<	M	I
01/26/11 17:33	183.50	<	M	I
01/26/11 17:34	173.68	<	M	I
01/26/11 17:35	164.47	<	M	I
01/26/11 17:36	164.32	<	M	I
01/26/11 17:37	164.14	<	M	I
01/26/11 17:38	163.94	<	M	I
01/26/11 17:39	163.34	<	M	I
01/26/11 17:40	163.13	<	M	I

01/26/11 17:41	163.52	<	M	I
01/26/11 17:42	163.73	<	M	I
01/26/11 17:43	163.93	<	M	I
01/26/11 17:44	163.53	<	M	I
01/26/11 17:45	162.93	<	M	I
01/26/11 17:46	163.33	<	M	I
01/26/11 17:47	163.93	<	M	I
01/26/11 17:48	162.93	<	M	I
01/26/11 17:49	162.12	<	M	I
01/26/11 17:50	126.19	<	M	I
01/26/11 17:51	91.03	<	M	I
01/26/11 17:52	81.05	<	M	I
01/26/11 17:53	70.07	<	M	I
01/26/11 17:54	69.47	<	M	I
01/26/11 17:55	69.06	<	M	I
01/26/11 17:56	69.06	<	M	I
01/26/11 17:57	69.06	<	M	I
01/26/11 17:58	68.86	<	M	I
01/26/11 17:59	68.86	<	M	I
01/26/11 18:00	69.27	<	M	I
01/26/11 18:01	69.67	<	M	I
01/26/11 18:02	70.27	<	M	I
01/26/11 18:03	71.05	<	M	I
01/26/11 18:04	70.25	<	M	I
01/26/11 18:05	69.66	<	M	I
01/26/11 18:06	69.66	<	M	I
01/26/11 18:07	69.23	<	M	I
01/26/11 18:08	43.49	<	M	I
01/26/11 18:09	18.58	<	M	I
01/26/11 18:10	9.40	<	M	I

01/26/11 18:11	.21	<	M	I
01/26/11 18:12	2.60	<	M	I
01/26/11 18:13	4.42	<	M	I
01/26/11 18:14	7.43	<	M	I
01/26/11 18:15	11.16	<	M	I
01/26/11 18:16	11.15	<	M	I
01/26/11 18:17	10.75	<	M	I
01/26/11 18:18	10.35			
01/26/11 18:19	10.16			

Max	184.29
Min	-4.62
Mean	47.82
Records	132

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,

'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 16:45

Daily Parameter Report - Minute Averages with Flags
Agilaire LLC

Logger Name : PRIMARY

Logger Id : 01

Parameter : S02

Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhIjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/28/11	13:40	.44		
01/28/11	13:41	.58		
01/28/11	13:42	.81	< M	I
01/28/11	13:43	.31	< M	I
01/28/11	13:44	-.05	< M	I
01/28/11	13:45	.07	< M	I
01/28/11	13:46	.44	< M	I
01/28/11	13:47	.43	< M	I
01/28/11	13:48	.43	< M	I
01/28/11	13:49	.43	< M	I
01/28/11	13:50	.29	< M	I
01/28/11	13:51	-.20	< M	I
01/28/11	13:52	-.56	< M	I
01/28/11	13:53	-.56	< M	I
01/28/11	13:54	-.56	< M	I
01/28/11	13:55	-.56	< M	I
01/28/11	13:56	-.56	< M	I
01/28/11	13:57	-.70	< M	I
01/28/11	13:58	-.93	< M	I
01/28/11	13:59	-.56	< M	I
01/28/11	14:00	-.56	< M	I
01/28/11	14:01	-.56	< M	I
01/28/11	14:02	61.24	< M	I
01/28/11	14:03	279.47	< M	I
01/28/11	14:04	436.44	< M	I
01/28/11	14:05	438.30	< M	I
01/28/11	14:06	414.60	< M	I
01/28/11	14:07	327.21	< M	I
01/28/11	14:08	283.27	< M	I
01/28/11	14:09	349.18	< M	I
01/28/11	14:10	396.84	< M	I
01/28/11	14:11	398.49	< M	I
01/28/11	14:12	400.05	< M	I
01/28/11	14:13	400.55	< M	I
01/28/11	14:14	400.50	< M	I
01/28/11	14:15	398.86	< M	I
01/28/11	14:16	397.99	< M	I
01/28/11	14:17	400.17	< M	I
01/28/11	14:18	401.46	< M	I
01/28/11	14:19	399.97	< M	I
01/28/11	14:20	399.37	< M	I

01/28/11 14:21	400.86	<	M	I
01/28/11 14:22	402.36	<	M	I
01/28/11 14:23	403.87	<	M	I
01/28/11 14:24	365.23	<	M	I
01/28/11 14:25	233.03	<	M	I
01/28/11 14:26	140.91	<	M	I
01/28/11 14:27	141.41	<	M	I
01/28/11 14:28	141.17	<	M	I
01/28/11 14:29	139.31	<	M	I
01/28/11 14:30	138.11	<	M	I
01/28/11 14:31	137.60	<	M	I
01/28/11 14:32	137.40	<	M	I
01/28/11 14:33	137.76	<	M	I
01/28/11 14:34	137.46	<	M	I
01/28/11 14:35	136.61	<	M	I
01/28/11 14:36	136.28	<	M	I
01/28/11 14:37	136.43	<	M	I
01/28/11 14:38	136.76	<	M	I
01/28/11 14:39	136.60	<	M	I
01/28/11 14:40	125.53	<	M	I
01/28/11 14:41	91.55	<	M	I
01/28/11 14:42	57.59	<	M	I
01/28/11 14:43	23.64	<	M	I
01/28/11 14:44	.28	<	M	I
01/28/11 14:45	-.07	<	M	I
01/28/11 14:46	-.22	<	M	I
01/28/11 14:47	-.56	<	M	I
01/28/11 14:48	-.56	<	M	I
01/28/11 14:49	-.56	<	M	I
01/28/11 14:50	-.56	<	M	I
01/28/11 14:51	-.56	<	M	I
01/28/11 14:52	-.56	<	M	I
01/28/11 14:53	-.56	<	M	I
01/28/11 14:54	-.56	<	M	I
01/28/11 14:55	-.40	<	M	I
01/28/11 14:56	.76	<	M	I
01/28/11 14:57	3.41	<	M	I
01/28/11 14:58	6.25	<	M	I
01/28/11 14:59	8.74	<	M	I
01/28/11 15:00	9.09	<	M	I
01/28/11 15:01	5.09	<	M	I
01/28/11 15:02	2.41	<	M	I
01/28/11 15:03	2.41	<	M	I
01/28/11 15:04	2.41	<	M	I
01/28/11 15:05	2.58	<	M	I
01/28/11 15:06	2.75	<	M	I
01/28/11 15:07	2.25	<	M	I
01/28/11 15:08	1.94	<	M	I
01/28/11 15:09	2.10	<	M	I
01/28/11 15:10	2.41	<	M	I
01/28/11 15:11	2.41	<	M	I
01/28/11 15:12	2.25	<	M	I
01/28/11 15:13	1.93	<	M	I
01/28/11 15:14	1.93	<	M	I

01/28/11 15:15	1.93	<	M	I
01/28/11 15:16	2.10	<	M	I
01/28/11 15:17	2.58	<	M	I
01/28/11 15:18	2.57	<	M	I
01/28/11 15:19	1.59	<	M	I
01/28/11 15:20	.94	<	M	I
01/28/11 15:21	.94	<	M	I
01/28/11 15:22	.94	<	M	I
01/28/11 15:23	.94	<	M	I
01/28/11 15:24	.94	<	M	I
01/28/11 15:25	.94	<	M	I
01/28/11 15:26	.94	<	M	I
01/28/11 15:27	.94	<	M	I
01/28/11 15:28	.94	<	M	I
01/28/11 15:29	.76	<	M	I
01/28/11 15:30	.43	<	M	I
01/28/11 15:31	.44	<	M	I
01/28/11 15:32	.26	<	M	I
01/28/11 15:33	-.23	<	M	I
01/28/11 15:34	-.56	<	M	I
01/28/11 15:35	-.55	<	M	I
01/28/11 15:36	-.55	<	M	I
01/28/11 15:37				
01/28/11 15:38				

Max 438.30
Min -.93
Mean 94.84
Records 117

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11
Current Time : 16:45

Daily Parameter Report - Minute Averages with Flags Agilaire LLC

Logger Name : PRIMARY
Logger Id : 01
Parameter : H2S
Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhJjVWXYZfc	Status Flags I?*>=m^vEd9za
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Q

01/28/11 13:40	- .07			
01/28/11 13:41	- .27			
01/28/11 13:42	- .37	<	M	I
01/28/11 13:43	- .17	<	M	I
01/28/11 13:44	- .02	<	M	I
01/28/11 13:45	- .02	<	M	I
01/28/11 13:46	.02	<	M	I
01/28/11 13:47	2.25	<	M	I
01/28/11 13:48	10.09	<	M	I
01/28/11 13:49	13.66	<	M	I
01/28/11 13:50	5.18	<	M	I
01/28/11 13:51	- .77	<	M	I
01/28/11 13:52	- .57	<	M	I
01/28/11 13:53	- .42	<	M	I
01/28/11 13:54	- .43	<	M	I
01/28/11 13:55	- .43	<	M	I
01/28/11 13:56	- .42	<	M	I
01/28/11 13:57	- .37	<	M	I
01/28/11 13:58	- .28	<	M	I
01/28/11 13:59	- .42	<	M	I
01/28/11 14:00	- .37	<	M	I
01/28/11 14:01	56.41	<	M	I
01/28/11 14:02	199.68	<	M	I
01/28/11 14:03	145.76	<	M	I
01/28/11 14:04	7.03	<	M	I
01/28/11 14:05	.65	<	M	I
01/28/11 14:06	24.26	<	M	I
01/28/11 14:07	109.76	<	M	I
01/28/11 14:08	145.44	<	M	I
01/28/11 14:09	70.08	<	M	I
01/28/11 14:10	12.27	<	M	I
01/28/11 14:11	2.94	<	M	I
01/28/11 14:12	- .30	<	M	I
01/28/11 14:13	-1.68	<	M	I
01/28/11 14:14	.24	<	M	I
01/28/11 14:15	3.36	<	M	I
01/28/11 14:16	3.57	<	M	I
01/28/11 14:17	1.20	<	M	I
01/28/11 14:18	1.09	<	M	I
01/28/11 14:19	3.01	<	M	I
01/28/11 14:20	2.96	<	M	I
01/28/11 14:21	.90	<	M	I
01/28/11 14:22	-1.28	<	M	I
01/28/11 14:23	-3.36	<	M	I
01/28/11 14:24	-4.62	<	M	I
01/28/11 14:25	-4.62	<	M	I
01/28/11 14:26	-4.26	<	M	I
01/28/11 14:27	-3.60	<	M	I
01/28/11 14:28	-3.47	<	M	I
01/28/11 14:29	-1.56	<	M	I
01/28/11 14:30	.27	<	M	I
01/28/11 14:31	.79	<	M	I
01/28/11 14:32	- .10	<	M	I

01/28/11 14:33	-1.16	<	M	I
01/28/11 14:34	-.66	<	M	I
01/28/11 14:35	.47	<	M	I
01/28/11 14:36	1.16	<	M	I
01/28/11 14:37	1.04	<	M	I
01/28/11 14:38	.78	<	M	I
01/28/11 14:39	.58	<	M	I
01/28/11 14:40	10.73	<	M	I
01/28/11 14:41	23.60	<	M	I
01/28/11 14:42	.02	<	M	I
01/28/11 14:43	-2.46	<	M	I
01/28/11 14:44	1.28	<	M	I
01/28/11 14:45	-.62	<	M	I
01/28/11 14:46	-.62	<	M	I
01/28/11 14:47	-.56	<	M	I
01/28/11 14:48	-.42	<	M	I
01/28/11 14:49	-.42	<	M	I
01/28/11 14:50	-.42	<	M	I
01/28/11 14:51	-.48	<	M	I
01/28/11 14:52	-.69	<	M	I
01/28/11 14:53	-.69	<	M	I
01/28/11 14:54	-.42	<	M	I
01/28/11 14:55	31.76	<	M	I
01/28/11 14:56	132.91	<	M	I
01/28/11 14:57	194.55	<	M	I
01/28/11 14:58	183.57	<	M	I
01/28/11 14:59	174.12	<	M	I
01/28/11 15:00	169.12	<	M	I
01/28/11 15:01	167.80	<	M	I
01/28/11 15:02	163.73	<	M	I
01/28/11 15:03	159.34	<	M	I
01/28/11 15:04	159.34	<	M	I
01/28/11 15:05	159.34	<	M	I
01/28/11 15:06	159.47	<	M	I
01/28/11 15:07	160.34	<	M	I
01/28/11 15:08	161.94	<	M	I
01/28/11 15:09	162.20	<	M	I
01/28/11 15:10	160.60	<	M	I
01/28/11 15:11	159.74	<	M	I
01/28/11 15:12	160.40	<	M	I
01/28/11 15:13	160.80	<	M	I
01/28/11 15:14	160.47	<	M	I
01/28/11 15:15	160.40	<	M	I
01/28/11 15:16	160.39	<	M	I
01/28/11 15:17	143.64	<	M	I
01/28/11 15:18	97.07	<	M	I
01/28/11 15:19	67.89	<	M	I
01/28/11 15:20	68.73	<	M	I
01/28/11 15:21	68.73	<	M	I
01/28/11 15:22	68.33	<	M	I
01/28/11 15:23	68.00	<	M	I
01/28/11 15:24	67.88	<	M	I
01/28/11 15:25	67.80	<	M	I
01/28/11 15:26	67.61	<	M	I
01/28/11 15:27	67.47	<	M	I

01/28/11 15:28	67.55	<	M	I
01/28/11 15:29	67.74	<	M	I
01/28/11 15:30	67.80	<	M	I
01/28/11 15:31	67.46	<	M	I
01/28/11 15:32	67.00	<	M	I
01/28/11 15:33	55.27	<	M	I
01/28/11 15:34	21.69	<	M	I
01/28/11 15:35	.18	<	M	I
01/28/11 15:36	.03	<	M	I
01/28/11 15:37				
01/28/11 15:38				

Max	199.68
Min	-4.62
Mean	47.42
Records	117

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 16:47

Daily Parameter Report - Minute Averages with Flags
Agilaire LLC

Logger Name : BKGD

Logger Id : 02

Parameter : S02

Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhIJjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/24/11	09:10	.0		
01/24/11	09:11	.0		
01/24/11	09:12	.0		
01/24/11	09:13	.0	< M	I
01/24/11	09:14	.0	< M	I
01/24/11	09:15	.0	< M	I
01/24/11	09:16	.0	< M	I
01/24/11	09:17	416.5	< M	I
01/24/11	09:18	75.0	< M	I
01/24/11	09:19	.0	< M	I
01/24/11	09:20	.0	< M	I
01/24/11	09:21	.0	< M	I
01/24/11	09:22	.0	< M	I
01/24/11	09:23	.0	< M	I
01/24/11	09:24	.0	< M	I
01/24/11	09:25	.0	< M	I
01/24/11	09:26	.0	< M	I
01/24/11	09:27	.0	< M	I
01/24/11	09:28	.0	< M	I
01/24/11	09:29	.0	< M	I
01/24/11	09:30	.0	< M	I
01/24/11	09:31	.0	< M	I
01/24/11	09:32	.0	< M	I
01/24/11	09:33	.0	< M	I
01/24/11	09:34	.0	< M	I
01/24/11	09:35	.0	< M	I
01/24/11	09:36	.0	< M	I
01/24/11	09:37	.0	< M	I
01/24/11	09:38	.2	< M	I
01/24/11	09:39	.5	< M	I
01/24/11	09:40	102.4	< M	I
01/24/11	09:41	320.8	< M	I
01/24/11	09:42	442.9	< M	I
01/24/11	09:43	454.9	< M	I
01/24/11	09:44	465.1	< M	I
01/24/11	09:45	473.1	< M	I
01/24/11	09:46	480.1	< M	I
01/24/11	09:47	486.4	< M	I
01/24/11	09:48	489.6	< M	I
01/24/11	09:49	488.8	< M	I
01/24/11	09:50	488.8	< M	I

01/24/11 09:51	490.1	<	M	I
01/24/11 09:52	492.8	<	M	I
01/24/11 09:53	496.8	<	M	I
01/24/11 09:54	498.3	<	M	I
01/24/11 09:55	497.3	<	M	I
01/24/11 09:56	495.9	<	M	I
01/24/11 09:57	494.1	<	M	I
01/24/11 09:58	496.0	<	M	I
01/24/11 09:59	499.3	<	M	I
01/24/11 10:00	499.8	<	M	I
01/24/11 10:01	498.9	<	M	I
01/24/11 10:02	498.3	<	M	I
01/24/11 10:03	499.1	<	M	I
01/24/11 10:04	499.6	<	M	I
01/24/11 10:05	499.8	<	M	I
01/24/11 10:06	415.3	<	M	I
01/24/11 10:07	238.6	<	M	I
01/24/11 10:08	220.6	<	M	I
01/24/11 10:09	374.1	<	M	I
01/24/11 10:10	440.8	<	M	I
01/24/11 10:11	414.1	<	M	I
01/24/11 10:12	400.1	<	M	I
01/24/11 10:13	398.6	<	M	I
01/24/11 10:14	398.1	<	M	I
01/24/11 10:15	398.9	<	M	I
01/24/11 10:16	400.1	<	M	I
01/24/11 10:17	401.9	<	M	I
01/24/11 10:18	401.6	<	M	I
01/24/11 10:19	399.1	<	M	I
01/24/11 10:20	399.1	<	M	I
01/24/11 10:21	401.6	<	M	I
01/24/11 10:22	403.1	<	M	I
01/24/11 10:23	403.6	<	M	I
01/24/11 10:24	402.9	<	M	I
01/24/11 10:25	400.9	<	M	I
01/24/11 10:26	399.9	<	M	I
01/24/11 10:27	399.9	<	M	I
01/24/11 10:28	401.1	<	M	I
01/24/11 10:29	403.6	<	M	I
01/24/11 10:30	403.9	<	M	I
01/24/11 10:31	401.8	<	M	I
01/24/11 10:32	352.4	<	M	I
01/24/11 10:33	254.0	<	M	I
01/24/11 10:34	190.4	<	M	I
01/24/11 10:35	157.4	<	M	I
01/24/11 10:36	140.7	<	M	I
01/24/11 10:37	139.2	<	M	I
01/24/11 10:38	138.4	<	M	I
01/24/11 10:39	138.4	<	M	I
01/24/11 10:40	138.4	<	M	I
01/24/11 10:41	138.4	<	M	I
01/24/11 10:42	138.4	<	M	I
01/24/11 10:43	138.4	<	M	I
01/24/11 10:44	137.7	<	M	I

01/24/11 10:45	136.4	<	M	I
01/24/11 10:46	136.2	<	M	I
01/24/11 10:47	136.7	<	M	I
01/24/11 10:48	136.9	<	M	I
01/24/11 10:49	136.7	<	M	I
01/24/11 10:50	136.4	<	M	I
01/24/11 10:51	136.4	<	M	I
01/24/11 10:52	102.4	<	M	I
01/24/11 10:53	36.1	<	M	I
01/24/11 10:54	3.2	<	M	I
01/24/11 10:55	1.4	<	M	I
01/24/11 10:56	.5	<	M	I
01/24/11 10:57	.5	<	M	I
01/24/11 10:58	.5	<	M	I
01/24/11 10:59	.2	<	M	I
01/24/11 11:00	.3	<	M	I
01/24/11 11:01	.5	<	M	I
01/24/11 11:02	.5	<	M	I
01/24/11 11:03	.2	<	M	I
01/24/11 11:04	103.9	<	M	I
01/24/11 11:05	298.6	<	M	I
01/24/11 11:06	390.2	<	M	I
01/24/11 11:07	391.9	<	M	I
01/24/11 11:08	394.2	<	M	I
01/24/11 11:09	396.4	<	M	I
01/24/11 11:10	397.6	<	M	I
01/24/11 11:11	398.1	<	M	I
01/24/11 11:12	398.9	<	M	I
01/24/11 11:13	399.6	<	M	I
01/24/11 11:14	400.4	<	M	I
01/24/11 11:15	401.1	<	M	I
01/24/11 11:16	401.4	<	M	I
01/24/11 11:17	401.4	<	M	I
01/24/11 11:18	401.4	<	M	I
01/24/11 11:19	401.1	<	M	I
01/24/11 11:20	401.7	<	M	I
01/24/11 11:21	402.9	<	M	I
01/24/11 11:22	403.6	<	M	I
01/24/11 11:23	404.4	<	M	I
01/24/11 11:24	404.6	<	M	I
01/24/11 11:25	403.8	<	M	I
01/24/11 11:26	294.8	<	M	I
01/24/11 11:27	97.1	<	M	I
01/24/11 11:28	6.1	<	M	I
01/24/11 11:29	2.8	<	M	I
01/24/11 11:30	1.2	<	M	I
01/24/11 11:31	.7	<	M	I
01/24/11 11:32	.5	<	M	I
01/24/11 11:33	.5	<	M	I
01/24/11 11:34	.5	<	M	I
01/24/11 11:35	.5	<	M	I
01/24/11 11:36	.5	<	M	I
01/24/11 11:37	.2	<	M	I
01/24/11 11:38	.0	<	M	I
01/24/11 11:39	.3	<	M	I

01/24/11 11:40	.2	<	M	I
01/24/11 11:41	.0	<	M	I
01/24/11 11:42	22.1	<	M	I
01/24/11 11:43	60.8	<	M	I
01/24/11 11:44	57.6	<	M	I
01/24/11 11:45	22.7	<	M	I
01/24/11 11:46	6.9	<	M	I
01/24/11 11:47	6.2	<	M	I
01/24/11 11:48	5.7	<	M	I
01/24/11 11:49	5.5	<	M	I
01/24/11 11:50	5.2	<	M	I
01/24/11 11:51	4.7	<	M	I
01/24/11 11:52	4.8	<	M	I
01/24/11 11:53	5.0	<	M	I
01/24/11 11:54	4.7	<	M	I
01/24/11 11:55	4.2	<	M	I
01/24/11 11:56	4.3	<	M	I
01/24/11 11:57	4.5	<	M	I
01/24/11 11:58	4.5	<	M	I
01/24/11 11:59	4.2	<	M	I
01/24/11 12:00	4.0	<	M	I
01/24/11 12:01	4.0	<	M	I
01/24/11 12:02	4.0	<	M	I
01/24/11 12:03	4.0	<	M	I
01/24/11 12:04	4.0	<	M	I
01/24/11 12:05	4.0	<	M	I
01/24/11 12:06	4.0	<	M	I
01/24/11 12:07	4.0	<	M	I
01/24/11 12:08	3.4	<	M	I
01/24/11 12:09	2.4	<	M	I
01/24/11 12:10	2.0	<	M	I
01/24/11 12:11	2.3	<	M	I
01/24/11 12:12	2.5	<	M	I
01/24/11 12:13	2.5	<	M	I
01/24/11 12:14	2.2	<	M	I
01/24/11 12:15	2.0	<	M	I
01/24/11 12:16	2.0	<	M	I
01/24/11 12:17	2.0	<	M	I
01/24/11 12:18	2.0	<	M	I
01/24/11 12:19	2.0	<	M	I
01/24/11 12:20	2.0	<	M	I
01/24/11 12:21	2.0	<	M	I
01/24/11 12:22	2.0	<	M	I
01/24/11 12:23	2.0	<	M	I
01/24/11 12:24	2.0	<	M	I
01/24/11 12:25	1.7	<	M	I
01/24/11 12:26	.9	<	M	I
01/24/11 12:27	.2	<	M	I
01/24/11 12:28	.0	<	M	I
01/24/11 12:29	.0	<	M	I
01/24/11 12:30	.0	<	M	I
01/24/11 12:31	.0	<	M	I
01/24/11 12:32	.0	<	M	I
01/24/11 12:33	.0	<	M	I
01/24/11 12:34	.0	<	M	I

01/24/11 12:35	.0	<	M	I
01/24/11 12:36	.0	<	M	I
01/24/11 12:37	.0	<	M	I
01/24/11 12:38	.3	<	M	I
01/24/11 12:39	.5	<	M	I
01/24/11 12:40	1.7	<	M	I
01/24/11 12:41	3.4	<	M	I
01/24/11 12:42	3.7	<	M	I
01/24/11 12:43	3.5	<	M	I
01/24/11 12:44	3.5	<	M	I
01/24/11 12:45	3.5	<	M	I
01/24/11 12:46	3.5	<	M	I
01/24/11 12:47	3.5	<	M	I
01/24/11 12:48	3.5	<	M	I
01/24/11 12:49	3.5	<	M	I
01/24/11 12:50	3.5	<	M	I
01/24/11 12:51	3.5	<	M	I
01/24/11 12:52	3.5	<	M	I
01/24/11 12:53	3.2	<	M	I
01/24/11 12:54	3.0	<	M	I
01/24/11 12:55	3.0	<	M	I
01/24/11 12:56	3.3	<	M	I
01/24/11 12:57	3.5	<	M	I
01/24/11 12:58	2.6	<	M	I
01/24/11 12:59	1.1	<	M	I
01/24/11 13:00	.2	<	M	I
01/24/11 13:01	.0	<	M	I
01/24/11 13:02	.3	<	M	I
01/24/11 13:03	.8			
01/24/11 13:04	1.0			
01/24/11 13:05	1.0			
01/24/11 13:06	1.0			
01/24/11 13:07	1.0			
01/24/11 13:08	1.0			
01/24/11 13:09	.7			
01/24/11 13:10	.5			

Max	499.8
Min	.0
Mean	146.2
Records	241

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11
 Current Time : 16:47

Daily Parameter Report - Minute Averages with Flags
 Agilaire LLC

Logger Name : BKGD
 Logger Id : 02
 Parameter : H2S
 Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhIJjVWXYZfc	Status Flags I?*>=m^vEd9za
01/24/11	09:10	.0		
01/24/11	09:11	.0		
01/24/11	09:12	-.1		
01/24/11	09:13	.0	< M	I
01/24/11	09:14	.1	< M	I
01/24/11	09:15	.3	< M	I
01/24/11	09:16	.1	< M	I
01/24/11	09:17	166.6	< M	I
01/24/11	09:18	30.0	< M	I
01/24/11	09:19	.0	< M	I
01/24/11	09:20	.0	< M	I
01/24/11	09:21	.0	< M	I
01/24/11	09:22	-.1	< M	I
01/24/11	09:23	-.1	< M	I
01/24/11	09:24	.0	< M	I
01/24/11	09:25	.1	< M	I
01/24/11	09:26	.1	< M	I
01/24/11	09:27	.0	< M	I
01/24/11	09:28	.0	< M	I
01/24/11	09:29	.0	< M	I
01/24/11	09:30	.0	< M	I
01/24/11	09:31	.0	< M	I
01/24/11	09:32	.0	< M	I
01/24/11	09:33	.0	< M	I
01/24/11	09:34	.0	< M	I
01/24/11	09:35	.2	< M	I
01/24/11	09:36	.4	< M	I
01/24/11	09:37	.3	< M	I
01/24/11	09:38	.2	< M	I
01/24/11	09:39	.2	< M	I
01/24/11	09:40	-1.9	< M	I
01/24/11	09:41	-4.5	< M	I
01/24/11	09:42	1.0	< M	I
01/24/11	09:43	5.4	< M	I
01/24/11	09:44	3.1	< M	I
01/24/11	09:45	1.9	< M	I
01/24/11	09:46	.5	< M	I
01/24/11	09:47	-.1	< M	I
01/24/11	09:48	1.8	< M	I
01/24/11	09:49	4.8	< M	I
01/24/11	09:50	3.9	< M	I

01/24/11 09:51	3.5	<	M	I
01/24/11 09:52	2.9	<	M	I
01/24/11 09:53	1.9	<	M	I
01/24/11 09:54	4.4	<	M	I
01/24/11 09:55	5.9	<	M	I
01/24/11 09:56	3.9	<	M	I
01/24/11 09:57	4.4	<	M	I
01/24/11 09:58	4.0	<	M	I
01/24/11 09:59	.5	<	M	I
01/24/11 10:00	2.1	<	M	I
01/24/11 10:01	5.1	<	M	I
01/24/11 10:02	3.2	<	M	I
01/24/11 10:03	1.8	<	M	I
01/24/11 10:04	2.5	<	M	I
01/24/11 10:05	2.4	<	M	I
01/24/11 10:06	88.9	<	M	I
01/24/11 10:07	151.7	<	M	I
01/24/11 10:08	59.7	<	M	I
01/24/11 10:09	-4.5	<	M	I
01/24/11 10:10	-4.5	<	M	I
01/24/11 10:11	-1.0	<	M	I
01/24/11 10:12	2.9	<	M	I
01/24/11 10:13	3.5	<	M	I
01/24/11 10:14	2.7	<	M	I
01/24/11 10:15	2.5	<	M	I
01/24/11 10:16	3.4	<	M	I
01/24/11 10:17	2.4	<	M	I
01/24/11 10:18	2.3	<	M	I
01/24/11 10:19	4.2	<	M	I
01/24/11 10:20	3.3	<	M	I
01/24/11 10:21	1.0	<	M	I
01/24/11 10:22	.7	<	M	I
01/24/11 10:23	.6	<	M	I
01/24/11 10:24	1.0	<	M	I
01/24/11 10:25	3.4	<	M	I
01/24/11 10:26	5.6	<	M	I
01/24/11 10:27	5.1	<	M	I
01/24/11 10:28	1.6	<	M	I
01/24/11 10:29	-.4	<	M	I
01/24/11 10:30	2.4	<	M	I
01/24/11 10:31	5.2	<	M	I
01/24/11 10:32	53.6	<	M	I
01/24/11 10:33	82.9	<	M	I
01/24/11 10:34	29.6	<	M	I
01/24/11 10:35	-2.2	<	M	I
01/24/11 10:36	.3	<	M	I
01/24/11 10:37	1.2	<	M	I
01/24/11 10:38	1.2	<	M	I
01/24/11 10:39	.7	<	M	I
01/24/11 10:40	.5	<	M	I
01/24/11 10:41	.3	<	M	I
01/24/11 10:42	.0	<	M	I
01/24/11 10:43	-.2	<	M	I

01/24/11 10:44	.1	<	M	I
01/24/11 10:45	1.6	<	M	I
01/24/11 10:46	2.8	<	M	I
01/24/11 10:47	2.2	<	M	I
01/24/11 10:48	1.0	<	M	I
01/24/11 10:49	.8	<	M	I
01/24/11 10:50	1.1	<	M	I
01/24/11 10:51	-1.7	<	M	I
01/24/11 10:52	-4.5	<	M	I
01/24/11 10:53	7.2	<	M	I
01/24/11 10:54	8.0	<	M	I
01/24/11 10:55	-.2	<	M	I
01/24/11 10:56	.3	<	M	I
01/24/11 10:57	.2	<	M	I
01/24/11 10:58	.1	<	M	I
01/24/11 10:59	.1	<	M	I
01/24/11 11:00	.1	<	M	I
01/24/11 11:01	.0	<	M	I
01/24/11 11:02	.0	<	M	I
01/24/11 11:03	65.3	<	M	I
01/24/11 11:04	84.2	<	M	I
01/24/11 11:05	21.2	<	M	I
01/24/11 11:06	-.4	<	M	I
01/24/11 11:07	2.7	<	M	I
01/24/11 11:08	1.9	<	M	I
01/24/11 11:09	1.0	<	M	I
01/24/11 11:10	1.2	<	M	I
01/24/11 11:11	2.6	<	M	I
01/24/11 11:12	3.9	<	M	I
01/24/11 11:13	3.9	<	M	I
01/24/11 11:14	2.9	<	M	I
01/24/11 11:15	2.2	<	M	I
01/24/11 11:16	2.1	<	M	I
01/24/11 11:17	2.3	<	M	I
01/24/11 11:18	2.4	<	M	I
01/24/11 11:19	2.3	<	M	I
01/24/11 11:20	1.2	<	M	I
01/24/11 11:21	.5	<	M	I
01/24/11 11:22	.9	<	M	I
01/24/11 11:23	1.1	<	M	I
01/24/11 11:24	1.7	<	M	I
01/24/11 11:25	-1.4	<	M	I
01/24/11 11:26	68.4	<	M	I
01/24/11 11:27	146.5	<	M	I
01/24/11 11:28	73.4	<	M	I
01/24/11 11:29	1.6	<	M	I
01/24/11 11:30	.8	<	M	I
01/24/11 11:31	.0	<	M	I
01/24/11 11:32	.0	<	M	I
01/24/11 11:33	.0	<	M	I
01/24/11 11:34	.2	<	M	I
01/24/11 11:35	.3	<	M	I
01/24/11 11:36	.0	<	M	I
01/24/11 11:37	.0	<	M	I
01/24/11 11:38	.0	<	M	I

01/24/11 11:39	.0	<	M	I
01/24/11 11:40	-.1	<	M	I
01/24/11 11:41	.0	<	M	I
01/24/11 11:42	-2.4	<	M	I
01/24/11 11:43	.3	<	M	I
01/24/11 11:44	69.7	<	M	I
01/24/11 11:45	138.8	<	M	I
01/24/11 11:46	152.6	<	M	I
01/24/11 11:47	152.7	<	M	I
01/24/11 11:48	153.5	<	M	I
01/24/11 11:49	153.8	<	M	I
01/24/11 11:50	153.8	<	M	I
01/24/11 11:51	154.1	<	M	I
01/24/11 11:52	154.5	<	M	I
01/24/11 11:53	154.7	<	M	I
01/24/11 11:54	155.3	<	M	I
01/24/11 11:55	155.9	<	M	I
01/24/11 11:56	155.6	<	M	I
01/24/11 11:57	155.5	<	M	I
01/24/11 11:58	155.9	<	M	I
01/24/11 11:59	156.0	<	M	I
01/24/11 12:00	155.7	<	M	I
01/24/11 12:01	155.6	<	M	I
01/24/11 12:02	155.7	<	M	I
01/24/11 12:03	156.1	<	M	I
01/24/11 12:04	156.6	<	M	I
01/24/11 12:05	159.5	<	M	I
01/24/11 12:06	160.1	<	M	I
01/24/11 12:07	133.2	<	M	I
01/24/11 12:08	87.5	<	M	I
01/24/11 12:09	68.6	<	M	I
01/24/11 12:10	68.0	<	M	I
01/24/11 12:11	67.5	<	M	I
01/24/11 12:12	67.5	<	M	I
01/24/11 12:13	67.9	<	M	I
01/24/11 12:14	68.5	<	M	I
01/24/11 12:15	68.5	<	M	I
01/24/11 12:16	68.0	<	M	I
01/24/11 12:17	67.9	<	M	I
01/24/11 12:18	68.1	<	M	I
01/24/11 12:19	68.2	<	M	I
01/24/11 12:20	68.1	<	M	I
01/24/11 12:21	67.9	<	M	I
01/24/11 12:22	67.9	<	M	I
01/24/11 12:23	67.9	<	M	I
01/24/11 12:24	67.9	<	M	I
01/24/11 12:25	47.5	<	M	I
01/24/11 12:26	13.8	<	M	I
01/24/11 12:27	.8	<	M	I
01/24/11 12:28	.8	<	M	I
01/24/11 12:29	.5	<	M	I
01/24/11 12:30	.3	<	M	I
01/24/11 12:31	.3	<	M	I
01/24/11 12:32	.4	<	M	I
01/24/11 12:33	.3	<	M	I

01/24/11 12:34	.1	<	M	I
01/24/11 12:35	.1	<	M	I
01/24/11 12:36	.1	<	M	I
01/24/11 12:37	.1	<	M	I
01/24/11 12:38	.0	<	M	I
01/24/11 12:39	49.9	<	M	I
01/24/11 12:40	132.6	<	M	I
01/24/11 12:41	162.2	<	M	I
01/24/11 12:42	158.1	<	M	I
01/24/11 12:43	157.2	<	M	I
01/24/11 12:44	158.2	<	M	I
01/24/11 12:45	158.9	<	M	I
01/24/11 12:46	159.5	<	M	I
01/24/11 12:47	159.6	<	M	I
01/24/11 12:48	159.6	<	M	I
01/24/11 12:49	159.4	<	M	I
01/24/11 12:50	159.4	<	M	I
01/24/11 12:51	159.8	<	M	I
01/24/11 12:52	160.8	<	M	I
01/24/11 12:53	160.8	<	M	I
01/24/11 12:54	160.1	<	M	I
01/24/11 12:55	159.8	<	M	I
01/24/11 12:56	159.8	<	M	I
01/24/11 12:57	122.1	<	M	I
01/24/11 12:58	62.0	<	M	I
01/24/11 12:59	27.7	<	M	I
01/24/11 13:00	8.1	<	M	I
01/24/11 13:01	.6	<	M	I
01/24/11 13:02	.8	<	M	I
01/24/11 13:03	.4			
01/24/11 13:04	.2			
01/24/11 13:05	.1			
01/24/11 13:06	.0			
01/24/11 13:07	.0			
01/24/11 13:08	.0			
01/24/11 13:09	.1			
01/24/11 13:10	.2			

Max	166.6
Min	-4.5
Mean	37.7
Records	241

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line, 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange, 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm, 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change, 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs, 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 16:49

Daily Parameter Report - Minute Averages with Flags
Agilaire LLC

Logger Name : BKGD

Logger Id : 02

Parameter : S02

Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhIjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/26/11	10:50	2.5		
01/26/11	10:51	2.5		
01/26/11	10:52	1.7		
01/26/11	10:53	1.1	< M	I
01/26/11	10:54	.6	< M	I
01/26/11	10:55	.5	< M	I
01/26/11	10:56	.5	< M	I
01/26/11	10:57	.5	< M	I
01/26/11	10:58	.5	< M	I
01/26/11	10:59	.5	< M	I
01/26/11	11:00	.5	< M	I
01/26/11	11:01	.5	< M	I
01/26/11	11:02	.5	< M	I
01/26/11	11:03	.5	< M	I
01/26/11	11:04	.5	< M	I
01/26/11	11:05	.9	< M	I
01/26/11	11:06	1.0	< M	I
01/26/11	11:07	1.0	< M	I
01/26/11	11:08	.6	< M	I
01/26/11	11:09	.1	< M	I
01/26/11	11:10	.0	< M	I
01/26/11	11:11	.0	< M	I
01/26/11	11:12	.0	< M	I
01/26/11	11:13	.0	< M	I
01/26/11	11:14	.0	< M	I
01/26/11	11:15	.0	< M	I
01/26/11	11:16	.0	< M	I
01/26/11	11:17	.0	< M	I
01/26/11	11:18	.4	< M	I
01/26/11	11:19	.9	< M	I
01/26/11	11:20	166.9	< M	I
01/26/11	11:21	382.9	< M	I
01/26/11	11:22	437.6	< M	I
01/26/11	11:23	443.0	< M	I
01/26/11	11:24	426.2	< M	I
01/26/11	11:25	402.0	< M	I
01/26/11	11:26	397.2	< M	I
01/26/11	11:27	398.1	< M	I
01/26/11	11:28	398.3	< M	I
01/26/11	11:29	398.7	< M	I
01/26/11	11:30	399.7	< M	I

01/26/11 11:31	400.2	<	M	I
01/26/11 11:32	400.0	<	M	I
01/26/11 11:33	399.5	<	M	I
01/26/11 11:34	401.0	<	M	I
01/26/11 11:35	402.5	<	M	I
01/26/11 11:36	402.4	<	M	I
01/26/11 11:37	401.6	<	M	I
01/26/11 11:38	303.8	<	M	I
01/26/11 11:39	181.8	<	M	I
01/26/11 11:40	150.6	<	M	I
01/26/11 11:41	142.1	<	M	I
01/26/11 11:42	140.0	<	M	I
01/26/11 11:43	139.5	<	M	I
01/26/11 11:44	139.4	<	M	I
01/26/11 11:45	139.8	<	M	I
01/26/11 11:46	139.1	<	M	I
01/26/11 11:47	138.1	<	M	I
01/26/11 11:48	137.9	<	M	I
01/26/11 11:49	137.9	<	M	I
01/26/11 11:50	138.3	<	M	I
01/26/11 11:51	138.8	<	M	I
01/26/11 11:52	138.5	<	M	I
01/26/11 11:53	138.0	<	M	I
01/26/11 11:54	90.6	<	M	I
01/26/11 11:55	32.6	<	M	I
01/26/11 11:56	16.3	<	M	I
01/26/11 11:57	8.9	<	M	I
01/26/11 11:58	4.6	<	M	I
01/26/11 11:59	1.1	<	M	I
01/26/11 12:00	.5	<	M	I
01/26/11 12:01	.5	<	M	I
01/26/11 12:02	.1	<	M	I
01/26/11 12:03	.0	<	M	I
01/26/11 12:04	.0	<	M	I
01/26/11 12:05	.0	<	M	I
01/26/11 12:06	.0	<	M	I
01/26/11 12:07	.0	<	M	I
01/26/11 12:08	.0	<	M	I
01/26/11 12:09	.0	<	M	I
01/26/11 12:10	.0	<	M	I
01/26/11 12:11	.0	<	M	I
01/26/11 12:12	5.4	<	M	I
01/26/11 12:13	11.5	<	M	I
01/26/11 12:14	8.7	<	M	I
01/26/11 12:15	4.2	<	M	I
01/26/11 12:16	4.3	<	M	I
01/26/11 12:17	5.3	<	M	I
01/26/11 12:18	4.2	<	M	I
01/26/11 12:19	2.7	<	M	I
01/26/11 12:20	3.3	<	M	I
01/26/11 12:21	4.3	<	M	I
01/26/11 12:22	4.1	<	M	I
01/26/11 12:23	4.0	<	M	I
01/26/11 12:24	4.0	<	M	I

01/26/11 12:25	4.0	<	M	I
01/26/11 12:26	3.6	<	M	I
01/26/11 12:27	3.5	<	M	I
01/26/11 12:28	3.5	<	M	I
01/26/11 12:29	3.9	<	M	I
01/26/11 12:30	4.0	<	M	I
01/26/11 12:31	4.0	<	M	I
01/26/11 12:32	4.0	<	M	I
01/26/11 12:33	3.6	<	M	I
01/26/11 12:34	2.6	<	M	I
01/26/11 12:35	1.6	<	M	I
01/26/11 12:36	1.5	<	M	I
01/26/11 12:37	1.5	<	M	I
01/26/11 12:38	1.9	<	M	I
01/26/11 12:39	2.0	<	M	I
01/26/11 12:40	2.0	<	M	I
01/26/11 12:41	2.0	<	M	I
01/26/11 12:42	2.0	<	M	I
01/26/11 12:43	2.0	<	M	I
01/26/11 12:44	2.0	<	M	I
01/26/11 12:45	2.0	<	M	I
01/26/11 12:46	1.6	<	M	I
01/26/11 12:47	1.5	<	M	I
01/26/11 12:48	1.1	<	M	I
01/26/11 12:49	.1	<	M	I
01/26/11 12:50	.0	<	M	I
01/26/11 12:51	.0	<	M	I
01/26/11 12:52	.0	<	M	I

01/26/11 12:53	.0	<	M	I
01/26/11 12:54	.0	<	M	I
01/26/11 12:55	.0	<	M	I
01/26/11 12:56	.0	<	M	I
01/26/11 12:57	.0			
01/26/11 12:58	.0			
01/26/11 12:59	.0			
01/26/11 13:00	.0			

Max	443.0
Min	.0
Mean	74.8
Records	131

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11
 Current Time : 16:49

Daily Parameter Report - Minute Averages with Flags
 Agilaire LLC

Logger Name : BKGD
 Logger Id : 02
 Parameter : H2S
 Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLh\JjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/26/11	10:50	-.5		
01/26/11	10:51	-.7		
01/26/11	10:52	.0		
01/26/11	10:53	.3	< M	I
01/26/11	10:54	.0	< M	I
01/26/11	10:55	.1	< M	I
01/26/11	10:56	.2	< M	I
01/26/11	10:57	.0	< M	I
01/26/11	10:58	.0	< M	I
01/26/11	10:59	.0	< M	I
01/26/11	11:00	.0	< M	I
01/26/11	11:01	.0	< M	I
01/26/11	11:02	.0	< M	I
01/26/11	11:03	.0	< M	I
01/26/11	11:04	-.1	< M	I
01/26/11	11:05	-.1	< M	I
01/26/11	11:06	.0	< M	I
01/26/11	11:07	-.2	< M	I
01/26/11	11:08	-.5	< M	I
01/26/11	11:09	-.2	< M	I
01/26/11	11:10	-.1	< M	I
01/26/11	11:11	.0	< M	I
01/26/11	11:12	.0	< M	I
01/26/11	11:13	-.1	< M	I
01/26/11	11:14	-.1	< M	I
01/26/11	11:15	-.1	< M	I
01/26/11	11:16	-.1	< M	I
01/26/11	11:17	-.1	< M	I
01/26/11	11:18	-.6	< M	I
01/26/11	11:19	153.1	< M	I
01/26/11	11:20	199.9	< M	I
01/26/11	11:21	46.2	< M	I
01/26/11	11:22	1.5	< M	I
01/26/11	11:23	10.9	< M	I
01/26/11	11:24	45.5	< M	I
01/26/11	11:25	45.0	< M	I
01/26/11	11:26	12.4	< M	I
01/26/11	11:27	4.3	< M	I
01/26/11	11:28	4.7	< M	I
01/26/11	11:29	4.0	< M	I
01/26/11	11:30	2.5	< M	I

01/26/11 11:31	2.0	<	M	I
01/26/11 11:32	3.0	<	M	I
01/26/11 11:33	5.0	<	M	I
01/26/11 11:34	5.2	<	M	I
01/26/11 11:35	3.0	<	M	I
01/26/11 11:36	2.4	<	M	I
01/26/11 11:37	-3.1	<	M	I
01/26/11 11:38	36.2	<	M	I
01/26/11 11:39	71.0	<	M	I
01/26/11 11:40	11.7	<	M	I
01/26/11 11:41	-.7	<	M	I
01/26/11 11:42	.0	<	M	I
01/26/11 11:43	.2	<	M	I
01/26/11 11:44	-.2	<	M	I
01/26/11 11:45	-.8	<	M	I
01/26/11 11:46	-.4	<	M	I
01/26/11 11:47	.7	<	M	I
01/26/11 11:48	1.3	<	M	I
01/26/11 11:49	1.4	<	M	I
01/26/11 11:50	1.1	<	M	I
01/26/11 11:51	.0	<	M	I
01/26/11 11:52	-.1	<	M	I
01/26/11 11:53	.8	<	M	I
01/26/11 11:54	49.3	<	M	I
01/26/11 11:55	51.2	<	M	I
01/26/11 11:56	5.3	<	M	I
01/26/11 11:57	-4.5	<	M	I
01/26/11 11:58	-3.2	<	M	I
01/26/11 11:59	-.3	<	M	I
01/26/11 12:00	.2	<	M	I
01/26/11 12:01	.2	<	M	I
01/26/11 12:02	.4	<	M	I
01/26/11 12:03	.4	<	M	I
01/26/11 12:04	.4	<	M	I
01/26/11 12:05	.4	<	M	I
01/26/11 12:06	.2	<	M	I
01/26/11 12:07	.2	<	M	I
01/26/11 12:08	.2	<	M	I
01/26/11 12:09	.2	<	M	I
01/26/11 12:10	.0	<	M	I
01/26/11 12:11	71.8	<	M	I
01/26/11 12:12	156.1	<	M	I
01/26/11 12:13	103.8	<	M	I
01/26/11 12:14	33.6	<	M	I
01/26/11 12:15	91.7	<	M	I
01/26/11 12:16	170.2	<	M	I
01/26/11 12:17	140.7	<	M	I
01/26/11 12:18	91.8	<	M	I
01/26/11 12:19	117.6	<	M	I
01/26/11 12:20	156.2	<	M	I
01/26/11 12:21	161.9	<	M	I
01/26/11 12:22	162.1	<	M	I
01/26/11 12:23	162.5	<	M	I

01/26/11 12:24	162.7	<	M	I
01/26/11 12:25	162.2	<	M	I
01/26/11 12:26	161.6	<	M	I
01/26/11 12:27	162.2	<	M	I
01/26/11 12:28	162.8	<	M	I
01/26/11 12:29	162.6	<	M	I
01/26/11 12:30	162.2	<	M	I
01/26/11 12:31	161.8	<	M	I
01/26/11 12:32	161.7	<	M	I
01/26/11 12:33	131.9	<	M	I
01/26/11 12:34	96.4	<	M	I
01/26/11 12:35	82.3	<	M	I
01/26/11 12:36	70.9	<	M	I
01/26/11 12:37	69.5	<	M	I
01/26/11 12:38	69.6	<	M	I
01/26/11 12:39	69.6	<	M	I
01/26/11 12:40	69.6	<	M	I
01/26/11 12:41	69.7	<	M	I
01/26/11 12:42	69.8	<	M	I
01/26/11 12:43	69.8	<	M	I
01/26/11 12:44	69.8	<	M	I
01/26/11 12:45	69.8	<	M	I
01/26/11 12:46	69.6	<	M	I
01/26/11 12:47	40.5	<	M	I
01/26/11 12:48	6.7	<	M	I
01/26/11 12:49	1.6	<	M	I
01/26/11 12:50	.9	<	M	I
01/26/11 12:51	.6	<	M	I
01/26/11 12:52	.6	<	M	I

01/26/11 12:53	.4	<	M	I
01/26/11 12:54	.4	<	M	I
01/26/11 12:55	.2	<	M	I
01/26/11 12:56	.2	<	M	I
01/26/11 12:57	.2			
01/26/11 12:58	.2			
01/26/11 12:59	.2			
01/26/11 13:00	.2			

Max	199.9
Min	-4.5
Mean	38.0
Records	131

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line, 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange, 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm, 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change, 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs, 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11

Current Time : 16:51

Daily Parameter Report - Minute Averages with Flags
Agilaire LLC

Logger Name : BKGD

Logger Id : 02

Parameter : S02

Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhIJjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/28/11	09:20	2.0		
01/28/11	09:21	2.0		
01/28/11	09:22	2.0		
01/28/11	09:23	2.0	< M	I
01/28/11	09:24	2.0	< M	I
01/28/11	09:25	2.0	< M	I
01/28/11	09:26	2.0	< M	I
01/28/11	09:27	2.0	< M	I
01/28/11	09:28	2.0	< M	I
01/28/11	09:29	2.0	< M	I
01/28/11	09:30	1.0	< M	I
01/28/11	09:31	.1	< M	I
01/28/11	09:32	.0	< M	I
01/28/11	09:33	.0	< M	I
01/28/11	09:34	.0	< M	I
01/28/11	09:35	.0	< M	I
01/28/11	09:36	.0	< M	I
01/28/11	09:37	.0	< M	I
01/28/11	09:38	.0	< M	I
01/28/11	09:39	.0	< M	I
01/28/11	09:40	.0	< M	I
01/28/11	09:41	.0	< M	I
01/28/11	09:42	.0	< M	I
01/28/11	09:43	-.4	< M	I
01/28/11	09:44	.0	< M	I
01/28/11	09:45	.0	< M	I
01/28/11	09:46	.0	< M	I
01/28/11	09:47	.0	< M	I
01/28/11	09:48	.0	< M	I
01/28/11	09:49	.0	< M	I
01/28/11	09:50	.0	< M	I
01/28/11	09:51	.0	< M	I
01/28/11	09:52	.0	< M	I
01/28/11	09:53	.0	< M	I
01/28/11	09:54	.0	< M	I
01/28/11	09:55	.5	< M	I
01/28/11	09:56	.0	< M	I
01/28/11	09:57	.0	< M	I
01/28/11	09:58	.0	< M	I
01/28/11	09:59	.0	< M	I
01/28/11	10:00	.9	< M	I

01/28/11 10:01	1.5	<	M	I
01/28/11 10:02	205.2	<	M	I
01/28/11 10:03	419.6	<	M	I
01/28/11 10:04	432.7	<	M	I
01/28/11 10:05	435.7	<	M	I
01/28/11 10:06	434.4	<	M	I
01/28/11 10:07	433.4	<	M	I
01/28/11 10:08	414.3	<	M	I
01/28/11 10:09	394.3	<	M	I
01/28/11 10:10	395.3	<	M	I
01/28/11 10:11	397.7	<	M	I
01/28/11 10:12	398.3	<	M	I
01/28/11 10:13	398.8	<	M	I
01/28/11 10:14	398.8	<	M	I
01/28/11 10:15	398.8	<	M	I
01/28/11 10:16	399.3	<	M	I
01/28/11 10:17	399.8	<	M	I
01/28/11 10:18	400.3	<	M	I
01/28/11 10:19	400.3	<	M	I
01/28/11 10:20	400.8	<	M	I
01/28/11 10:21	401.3	<	M	I
01/28/11 10:22	401.3	<	M	I
01/28/11 10:23	401.8	<	M	I
01/28/11 10:24	401.8	<	M	I
01/28/11 10:25	401.8	<	M	I
01/28/11 10:26	402.3	<	M	I
01/28/11 10:27	402.3	<	M	I
01/28/11 10:28	401.4	<	M	I
01/28/11 10:29	400.4	<	M	I
01/28/11 10:30	401.8	<	M	I
01/28/11 10:31	403.8	<	M	I
01/28/11 10:32	404.3	<	M	I
01/28/11 10:33	404.8	<	M	I
01/28/11 10:34	305.1	<	M	I
01/28/11 10:35	201.1	<	M	I
01/28/11 10:36	169.9	<	M	I
01/28/11 10:37	140.4	<	M	I
01/28/11 10:38	138.9	<	M	I
01/28/11 10:39	138.4	<	M	I
01/28/11 10:40	137.9	<	M	I
01/28/11 10:41	137.4	<	M	I
01/28/11 10:42	136.9	<	M	I
01/28/11 10:43	136.9	<	M	I
01/28/11 10:44	136.0	<	M	I
01/28/11 10:45	135.5	<	M	I
01/28/11 10:46	135.4	<	M	I
01/28/11 10:47	135.9	<	M	I
01/28/11 10:48	136.4	<	M	I
01/28/11 10:49	136.9	<	M	I
01/28/11 10:50	136.9	<	M	I
01/28/11 10:51	136.4	<	M	I
01/28/11 10:52	136.9	<	M	I
01/28/11 10:53	137.4	<	M	I
01/28/11 10:54	136.9	<	M	I

01/28/11 10:55	136.4	<	M	I
01/28/11 10:56	136.4	<	M	I
01/28/11 10:57	136.0	<	M	I
01/28/11 10:58	70.0	<	M	I
01/28/11 10:59	4.0	<	M	I
01/28/11 11:00	2.5	<	M	I
01/28/11 11:01	1.0	<	M	I
01/28/11 11:02	.5	<	M	I
01/28/11 11:03	.5	<	M	I
01/28/11 11:04	.5	<	M	I
01/28/11 11:05	.0	<	M	I
01/28/11 11:06	.5	<	M	I
01/28/11 11:07	.5	<	M	I
01/28/11 11:08	.5	<	M	I
01/28/11 11:09	.0	<	M	I
01/28/11 11:10	.0	<	M	I
01/28/11 11:11	.0	<	M	I
01/28/11 11:12	.0	<	M	I
01/28/11 11:13	.0	<	M	I
01/28/11 11:14	5.0	<	M	I
01/28/11 11:15	9.5	<	M	I
01/28/11 11:16	7.5	<	M	I
01/28/11 11:17	6.0	<	M	I
01/28/11 11:18	5.5	<	M	I
01/28/11 11:19	5.5	<	M	I
01/28/11 11:20	5.0	<	M	I
01/28/11 11:21	4.5	<	M	I
01/28/11 11:22	4.5	<	M	I
01/28/11 11:23	4.5	<	M	I
01/28/11 11:24	4.0	<	M	I
01/28/11 11:25	4.0	<	M	I
01/28/11 11:26	4.0	<	M	I
01/28/11 11:27	4.0	<	M	I
01/28/11 11:28	4.0	<	M	I
01/28/11 11:29	4.0	<	M	I
01/28/11 11:30	4.0	<	M	I
01/28/11 11:31	4.0	<	M	I
01/28/11 11:32	4.0	<	M	I
01/28/11 11:33	4.0	<	M	I
01/28/11 11:34	3.0	<	M	I
01/28/11 11:35	2.0	<	M	I
01/28/11 11:36	2.5	<	M	I
01/28/11 11:37	2.5	<	M	I
01/28/11 11:38	2.5	<	M	I
01/28/11 11:39	2.0	<	M	I
01/28/11 11:40	2.0	<	M	I
01/28/11 11:41	2.0	<	M	I
01/28/11 11:42	2.0	<	M	I
01/28/11 11:43	2.0	<	M	I
01/28/11 11:44	2.0	<	M	I
01/28/11 11:45	2.5	<	M	I
01/28/11 11:46	2.5	<	M	I
01/28/11 11:47	2.9	<	M	I
01/28/11 11:48	1.4	<	M	I
01/28/11 11:49	.0	<	M	I

01/28/11 11:50	.0	<	M	I
01/28/11 11:51	.0	<	M	I
01/28/11 11:52	.0	<	M	I
01/28/11 11:53				
01/28/11 11:54				
01/28/11 11:55				
01/28/11 11:56				
01/28/11 11:57				
01/28/11 11:58				
01/28/11 11:59				
01/28/11 12:00				

Max	435.7
Min	-.4
Mean	108.3
Records	153

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' - DIS #4 Obs, 'Z' - DIS #5 Obs,
 'f' - Floor Exceeded, 'c' - Ceiling Exc.

Current Date : 05/27/11
 Current Time : 16:51

Daily Parameter Report - Minute Averages with Flags
 Agilaire LLC

Logger Name : BKGD
 Logger Id : 02
 Parameter : H2S
 Units : PPB

Interval : 001M

Date	Time	Average	Data Flags <PDTFBCMOUA+-RHLhLjVWXYZfc	Status Flags I?*>=m^vEd9za
Q				
01/28/11	09:20	1.0		
01/28/11	09:21	1.0		
01/28/11	09:22	.8		
01/28/11	09:23	.8	< M	I
01/28/11	09:24	.6	< M	I
01/28/11	09:25	.4	< M	I
01/28/11	09:26	.4	< M	I
01/28/11	09:27	.6	< M	I
01/28/11	09:28	.6	< M	I
01/28/11	09:29	.6	< M	I
01/28/11	09:30	1.7	< M	I

01/28/11 09:31	1.4	<	M	I
01/28/11 09:32	.0	<	M	I
01/28/11 09:33	-.1	<	M	I
01/28/11 09:34	.0	<	M	I
01/28/11 09:35	.0	<	M	I
01/28/11 09:36	.2	<	M	I
01/28/11 09:37	.2	<	M	I
01/28/11 09:38	.0	<	M	I
01/28/11 09:39	-.1	<	M	I
01/28/11 09:40	-.1	<	M	I
01/28/11 09:41	-.1	<	M	I
01/28/11 09:42	.0	<	M	I
01/28/11 09:43	.2	<	M	I
01/28/11 09:44	.0	<	M	I
01/28/11 09:45	.0	<	M	I
01/28/11 09:46	.0	<	M	I
01/28/11 09:47	-.1	<	M	I
01/28/11 09:48	-.1	<	M	I
01/28/11 09:49	-.1	<	M	I
01/28/11 09:50	.0	<	M	I
01/28/11 09:51	.0	<	M	I
01/28/11 09:52	.2	<	M	I
01/28/11 09:53	.0	<	M	I
01/28/11 09:54	-.1	<	M	I
01/28/11 09:55	-.3	<	M	I
01/28/11 09:56	-.1	<	M	I
01/28/11 09:57	.0	<	M	I
01/28/11 09:58	.0	<	M	I
01/28/11 09:59	.0	<	M	I
01/28/11 10:00	-.7	<	M	I

01/28/11 10:01	22.0	<	M	I
01/28/11 10:02	-3.1	<	M	I
01/28/11 10:03	-4.5	<	M	I
01/28/11 10:04	2.8	<	M	I
01/28/11 10:05	-4.1	<	M	I
01/28/11 10:06	-4.5	<	M	I
01/28/11 10:07	-4.5	<	M	I
01/28/11 10:08	-4.5	<	M	I
01/28/11 10:09	3.9	<	M	I
01/28/11 10:10	3.5	<	M	I
01/28/11 10:11	2.3	<	M	I
01/28/11 10:12	2.6	<	M	I
01/28/11 10:13	2.0	<	M	I
01/28/11 10:14	1.8	<	M	I
01/28/11 10:15	2.4	<	M	I
01/28/11 10:16	2.8	<	M	I
01/28/11 10:17	3.6	<	M	I
01/28/11 10:18	4.6	<	M	I
01/28/11 10:19	3.4	<	M	I
01/28/11 10:20	2.2	<	M	I
01/28/11 10:21	2.8	<	M	I
01/28/11 10:22	3.8	<	M	I
01/28/11 10:23	2.6	<	M	I
01/28/11 10:24	1.2	<	M	I
01/28/11 10:25	1.6	<	M	I

01/28/11 10:26	2.0	<	M	I
01/28/11 10:27	3.5	<	M	I
01/28/11 10:28	6.3	<	M	I
01/28/11 10:29	6.2	<	M	I
01/28/11 10:30	2.9	<	M	I
01/28/11 10:31	2.2	<	M	I
01/28/11 10:32	3.0	<	M	I
01/28/11 10:33	2.6	<	M	I
01/28/11 10:34	105.6	<	M	I
01/28/11 10:35	77.9	<	M	I
01/28/11 10:36	-3.1	<	M	I
01/28/11 10:37	1.9	<	M	I
01/28/11 10:38	1.2	<	M	I
01/28/11 10:39	1.2	<	M	I
01/28/11 10:40	1.2	<	M	I
01/28/11 10:41	1.2	<	M	I
01/28/11 10:42	.8	<	M	I
01/28/11 10:43	.8	<	M	I
01/28/11 10:44	1.4	<	M	I
01/28/11 10:45	2.2	<	M	I
01/28/11 10:46	1.8	<	M	I
01/28/11 10:47	1.6	<	M	I
01/28/11 10:48	.8	<	M	I
01/28/11 10:49	.6	<	M	I
01/28/11 10:50	1.0	<	M	I
01/28/11 10:51	.4	<	M	I
01/28/11 10:52	-.7	<	M	I
01/28/11 10:53	-1.3	<	M	I
01/28/11 10:54	-.9	<	M	I
01/28/11 10:55	-.3	<	M	I
01/28/11 10:56	-.3	<	M	I
01/28/11 10:57	-4.5	<	M	I
01/28/11 10:58	-4.5	<	M	I
01/28/11 10:59	11.0	<	M	I
01/28/11 11:00	-1.1	<	M	I
01/28/11 11:01	.2	<	M	I
01/28/11 11:02	.0	<	M	I
01/28/11 11:03	.2	<	M	I
01/28/11 11:04	.2	<	M	I
01/28/11 11:05	.2	<	M	I
01/28/11 11:06	.0	<	M	I
01/28/11 11:07	.0	<	M	I
01/28/11 11:08	-.1	<	M	I
01/28/11 11:09	.0	<	M	I
01/28/11 11:10	.0	<	M	I
01/28/11 11:11	.0	<	M	I
01/28/11 11:12	.0	<	M	I
01/28/11 11:13	125.6	<	M	I
01/28/11 11:14	199.9	<	M	I
01/28/11 11:15	199.9	<	M	I
01/28/11 11:16	180.5	<	M	I
01/28/11 11:17	175.4	<	M	I
01/28/11 11:18	168.7	<	M	I
01/28/11 11:19	163.9	<	M	I
01/28/11 11:20	159.6	<	M	I

01/28/11 11:21	160.1	<	M	I
01/28/11 11:22	160.4	<	M	I
01/28/11 11:23	160.7	<	M	I
01/28/11 11:24	161.3	<	M	I
01/28/11 11:25	160.1	<	M	I
01/28/11 11:26	158.8	<	M	I
01/28/11 11:27	159.8	<	M	I
01/28/11 11:28	161.1	<	M	I
01/28/11 11:29	161.1	<	M	I
01/28/11 11:30	160.9	<	M	I
01/28/11 11:31	160.1	<	M	I
01/28/11 11:32	158.8	<	M	I
01/28/11 11:33	112.8	<	M	I
01/28/11 11:34	68.4	<	M	I
01/28/11 11:35	68.8	<	M	I
01/28/11 11:36	68.0	<	M	I
01/28/11 11:37	68.0	<	M	I
01/28/11 11:38	68.8	<	M	I
01/28/11 11:39	68.6	<	M	I
01/28/11 11:40	68.4	<	M	I
01/28/11 11:41	68.4	<	M	I
01/28/11 11:42	68.4	<	M	I
01/28/11 11:43	68.4	<	M	I
01/28/11 11:44	68.6	<	M	I
01/28/11 11:45	68.4	<	M	I
01/28/11 11:46	67.0	<	M	I
01/28/11 11:47	32.5	<	M	I
01/28/11 11:48	.8	<	M	I
01/28/11 11:49	1.4	<	M	I
01/28/11 11:50	.6	<	M	I
01/28/11 11:51	.2	<	M	I
01/28/11 11:52	.0	<	M	I
01/28/11 11:53				
01/28/11 11:54				
01/28/11 11:55				
01/28/11 11:56				
01/28/11 11:57				
01/28/11 11:58				
01/28/11 11:59				
01/28/11 12:00				

Max	199.9
Min	-4.5
Mean	30.1
Records	153

Data : '<' - Less than ##% Data, 'P' - Power Fail, 'D' - Disabled, 'T' - Out-of-Control, 'F' - Boiler Off-Line,
 Flags : 'B' - Bad Status, 'C' - Calibration, 'M' - Maintenance, 'O' - Analog Overrange, 'U' - Analog Underrange,
 'A' - Arithmetic Error, '+' - Maximum, '-' - Minimum, 'R' - Rate of Change, 'H' - High-High Alarm,
 'L' - Low-Low Alarm, 'h' - High Alarm, 'l' - Low Alarm, 'J' - High Rate of Change, 'j' - Low Rate of Change,
 'V' - DIS #1 Obs, 'W' - DIS #2 Obs, 'X' - DIS #3 Obs, 'Y' -

DIS #4 Obs, 'Z' - DIS #5 Obs,
'f' - Floor Exceeded, 'c' - Ceiling Exc.

Appendix E - Analytical Datasheets for VOC Compounds



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

February 14, 2011

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 11-0068, Yellow Bluff Air Study
Air Quality Management

FROM: Floyd Wellborn
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Michael Crowe

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

Volatile Organics (VOA)

Volatile organic compounds

EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days



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SAMPLES INCLUDED IN THIS REPORT

Project: 11-0068, Yellow Bluff Air Study

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
YBVOCTB1	E110601-01	Trip Blank Air	1/27/11 08:00	1/31/11 13:52
YBAV01	E110601-02	Ambient Air	1/24/11 14:50	1/31/11 13:52
YBAV02	E110601-03	Ambient Air	1/25/11 16:10	1/31/11 13:52
YBAV03	E110601-04	Ambient Air	1/26/11 15:50	1/31/11 13:52
YBAV91	E110601-05	Ambient Air	1/24/11 14:50	1/31/11 13:52
YBAV92	E110601-06	Ambient Air	1/25/11 16:11	1/31/11 13:52
YBAV93	E110601-07	Ambient Air	1/26/11 15:50	1/31/11 13:52
YBBV01	E110601-08	Ambient Air	1/24/11 11:16	1/31/11 13:52
YBBV02	E110601-09	Ambient Air	1/25/11 11:01	1/31/11 13:52
YBBV03	E110601-10	Ambient Air	1/26/11 10:57	1/31/11 13:52



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DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
B-2	Reporting level elevated due to trace amounts of analyte present in the method blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
Q-2	Result greater than MDL but less than MRL.
QC-5	Calibration check standard less than method control limits.
QC-6	Calibration check standard greater than method control limits.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBVOCTB1Lab ID: E110601-01

Station ID:

Matrix: Trip Blank Air

Date Collected: 1/27/11 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	3.5	U	ug/m3	3.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.3	U, J, QC-5	ug/m3	3.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.6	U, J, QC-6	ug/m3	3.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
106-99-0	1,3-Butadiene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
622-96-8	4-Ethyltoluene	4.7	U	ug/m3	4.7	2/01/11 13:47	2/04/11 3:34	EPA TO-15
67-64-1	Acetone	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
71-43-2	Benzene	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15
100-44-7	Benzyl chloride	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-25-2	Bromoform	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-15-0	Carbon disulfide	1.4	U	ug/m3	1.4	2/01/11 13:47	2/04/11 3:34	EPA TO-15



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Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBVOCTB1Lab ID: E110601-01

Station ID:

Matrix: Trip Blank Air

Date Collected: 1/27/11 8:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
74-87-3	Chloromethane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 3:34	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
141-78-6	Ethyl Acetate	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
100-41-4	Ethyl Benzene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
87-68-3	Hexachlorobutadiene	5.0	U	ug/m3	5.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
110-54-3	Hexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
78-93-3	Methyl Ethyl Ketone	1.3	U	ug/m3	1.3	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-09-2	Methylene Chloride	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
100-42-5	Styrene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 3:34	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-88-3	Toluene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 3:34	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 3:34	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBVOCTB1

Lab ID: E110601-01

Station ID:

Matrix: Trip Blank Air

Date Collected: 1/27/11 8:00

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	2.7	U	ug/m3	2.7	2/01/11 13:47	2/04/11 3:34	EPA TO-15
108-05-4	Vinyl acetate	1.6	U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/04/11 3:34	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 3:34	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/04/11 3:34	EPA TO-15
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	20	U	ug/m3	20	2/01/11 13:47	2/04/11 3:34	EPA TO-15



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Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV01Lab ID: E110601-02Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.56	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 10:03	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.4	U	ug/m3	2.4	2/01/11 13:47	2/04/11 10:03	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/04/11 10:03	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
123-91-1	1,4-Dioxane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
67-64-1	Acetone	3.5	U, B-2	ug/m3	3.5	2/01/11 13:47	2/04/11 10:03	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
71-43-2	Benzene	0.65	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 10:03	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-25-2	Bromoform	5.0	U	ug/m3	5.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 10:03	EPA TO-15



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D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV01Lab ID: E110601-02Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.49	J, Q-2	ug/m3	3.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
74-87-3	Chloromethane	0.93	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
110-82-7	Cyclohexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 10:03	EPA TO-15
124-48-1	Dibromochloromethane	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
142-82-5	Heptane	0.14	J, Q-2	ug/m3	2.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
87-68-3	Hexachlorobutadiene	5.2	U	ug/m3	5.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
110-54-3	Hexane	0.14	J, Q-2	ug/m3	1.7	2/01/11 13:47	2/04/11 10:03	EPA TO-15
26635-64-3	Isooctane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 10:03	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.9	U, J, QC-6	ug/m3	4.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.98	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 10:03	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-09-2	Methylene Chloride	0.21	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
109-99-9	Tetrahydrofuran	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-88-3	Toluene	0.35	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 10:03	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:03	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV01

Lab ID: E110601-02

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.8	2/01/11 13:47	2/04/11 10:03	EPA TO-15
108-05-4	Vinyl acetate	1.7	U, J, QC-6	ug/m3	1.7	2/01/11 13:47	2/04/11 10:03	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:03	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/04/11 10:03	EPA TO-15
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	20	U	ug/m3	20	2/01/11 13:47	2/04/11 10:03	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV02Lab ID: E110601-03Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	0.25	J, Q-2	ug/m3	4.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U, J, QC-6	ug/m3	3.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.58	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/07/11 18:50	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/07/11 18:50	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
67-64-1	Acetone	3.5	U, B-2	ug/m3	3.5	2/01/11 13:47	2/07/11 18:50	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
71-43-2	Benzene	0.60	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/07/11 18:50	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-25-2	Bromoform	4.9	U	ug/m3	4.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/07/11 18:50	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV02Lab ID: E110601-03Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.53	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
74-87-3	Chloromethane	0.99	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 18:50	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
142-82-5	Heptane	0.18	J, Q-2	ug/m3	2.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
87-68-3	Hexachlorobutadiene	5.1	U	ug/m3	5.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
110-54-3	Hexane	0.18	J, Q-2	ug/m3	1.7	2/01/11 13:47	2/07/11 18:50	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/07/11 18:50	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.67	J, Q-2, QC-6	ug/m3	1.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U, J, QC-6	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-88-3	Toluene	0.46	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 18:50	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/07/11 18:50	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV02Lab ID: E110601-03Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:10

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.7	2/01/11 13:47	2/07/11 18:50	EPA TO-15
108-05-4	Vinyl acetate	1.6	U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/07/11 18:50	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 18:50	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/07/11 18:50	EPA TO-15
Tentatively Identified Compounds:								
R4-8000545	Dimethylmethylenecycloheptane (TIC)	300	NJ	ug/m3		2/01/11 13:47	2/07/11 18:50	EPA TO-15
R4-6520	Pinene (TIC)	100	NJ	ug/m3		2/01/11 13:47	2/07/11 18:50	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV03Lab ID: E110601-04Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.2	U	ug/m3	4.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U, J, QC-6	ug/m3	3.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.55	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/07/11 19:40	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/07/11 19:40	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
67-64-1	Acetone	2.5	U	ug/m3	2.5	2/01/11 13:47	2/07/11 19:40	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
71-43-2	Benzene	0.53	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/07/11 19:40	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-25-2	Bromoform	4.9	U	ug/m3	4.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/07/11 19:40	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV03

Lab ID: E110601-04

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.51	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
74-87-3	Chloromethane	0.88	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 19:40	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
87-68-3	Hexachlorobutadiene	5.1	U	ug/m3	5.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
110-54-3	Hexane	0.14	J, Q-2	ug/m3	1.7	2/01/11 13:47	2/07/11 19:40	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/07/11 19:40	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.37	J, Q-2, QC-6	ug/m3	1.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U, J, QC-6	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-88-3	Toluene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 19:40	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/07/11 19:40	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV03Lab ID: E110601-04Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.7	2/01/11 13:47	2/07/11 19:40	EPA TO-15
108-05-4	Vinyl acetate	1.6	U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/07/11 19:40	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 19:40	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/07/11 19:40	EPA TO-15
Tentatively Identified Compounds:								
R4-6520	Pinene (TIC)	40	NJ	ug/m3		2/01/11 13:47	2/07/11 19:40	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV91Lab ID: E110601-05Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.1	U	ug/m3	4.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.2	U, J, QC-6	ug/m3	3.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.59	J, Q-2	ug/m3	3.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.3	U, J, QC-5	ug/m3	3.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.6	U, J, QC-6	ug/m3	3.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
78-87-5	1,2-Dichloropropane	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
106-99-0	1,3-Butadiene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
123-91-1	1,4-Dioxane	3.8	U	ug/m3	3.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
107-05-1	3-Chloropropene	2.7	U	ug/m3	2.7	2/01/11 13:47	2/07/11 20:29	EPA TO-15
622-96-8	4-Ethyltoluene	4.6	U	ug/m3	4.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
67-64-1	Acetone	3.6	U	ug/m3	3.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
107-13-1	Acrylonitrile	0.99	U	ug/m3	0.99	2/01/11 13:47	2/07/11 20:29	EPA TO-15
71-43-2	Benzene	0.68	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15
100-44-7	Benzyl chloride	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-27-4	Bromodichloromethane	2.8	U	ug/m3	2.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-25-2	Bromoform	4.8	U	ug/m3	4.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-15-0	Carbon disulfide	1.4	U	ug/m3	1.4	2/01/11 13:47	2/07/11 20:29	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV91Lab ID: E110601-05Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.52	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-00-3	Chloroethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
74-87-3	Chloromethane	0.95	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
124-48-1	Dibromochloromethane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
141-78-6	Ethyl Acetate	4.1	U	ug/m3	4.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
100-41-4	Ethyl Benzene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
142-82-5	Heptane	0.14	J, Q-2	ug/m3	1.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
87-68-3	Hexachlorobutadiene	5.0	U	ug/m3	5.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
110-54-3	Hexane	0.14	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
67-63-0	Isopropanol	2.9	U, J, QC-6	ug/m3	2.9	2/01/11 13:47	2/07/11 20:29	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.7	U, J, QC-6	ug/m3	4.7	2/01/11 13:47	2/07/11 20:29	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.95	J, Q-2, QC-6	ug/m3	1.3	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.7	U, J, QC-6	ug/m3	4.7	2/01/11 13:47	2/07/11 20:29	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U, J, QC-6	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
100-42-5	Styrene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/07/11 20:29	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-88-3	Toluene	0.36	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/07/11 20:29	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.5	U	ug/m3	2.5	2/01/11 13:47	2/07/11 20:29	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV91

Lab ID: E110601-05

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/24/11 14:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.7	2/01/11 13:47	2/07/11 20:29	EPA TO-15
108-05-4	Vinyl acetate	1.6	U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/07/11 20:29	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/07/11 20:29	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/07/11 20:29	EPA TO-15
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	20	U	ug/m3	20	2/01/11 13:47	2/07/11 20:29	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV92Lab ID: E110601-06Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:11

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.3	U	ug/m3	4.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U	ug/m3	3.4	2/01/11 13:47	2/04/11 10:52	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.56	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 10:52	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.4	U	ug/m3	2.4	2/01/11 13:47	2/04/11 10:52	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.8	U, J, QC-6	ug/m3	3.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
106-46-7	1,4-Dichlorobenzene	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
123-91-1	1,4-Dioxane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
67-64-1	Acetone	3.5		ug/m3	2.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
71-43-2	Benzene	0.61	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 10:52	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-27-4	Bromodichloromethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-25-2	Bromoform	5.0	U	ug/m3	5.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
74-83-9	Bromomethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 10:52	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV92Lab ID: E110601-06Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:11

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.52	J, Q-2	ug/m3	3.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
74-87-3	Chloromethane	0.98	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
110-82-7	Cyclohexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 10:52	EPA TO-15
124-48-1	Dibromochloromethane	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.6		ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
142-82-5	Heptane	0.16	J, Q-2	ug/m3	2.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
87-68-3	Hexachlorobutadiene	5.2	U	ug/m3	5.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
110-54-3	Hexane	0.19	J, Q-2	ug/m3	1.7	2/01/11 13:47	2/04/11 10:52	EPA TO-15
26635-64-3	Isooctane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 10:52	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.9	U, J, QC-6	ug/m3	4.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.77	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
115-07-1	Propene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 10:52	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
109-99-9	Tetrahydrofuran	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-88-3	Toluene	0.45	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 10:52	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 10:52	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV92

Lab ID: E110601-06

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/25/11 16:11

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.8	2/01/11 13:47	2/04/11 10:52	EPA TO-15
108-05-4	Vinyl acetate	1.7	U, J, QC-6	ug/m3	1.7	2/01/11 13:47	2/04/11 10:52	EPA TO-15
593-60-2	Vinyl bromide	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/04/11 10:52	EPA TO-15
Tentatively Identified Compounds:								
R4-8000545	Dimethylmethylenecycloheptane (TIC)	100	NJ	ug/m3		2/01/11 13:47	2/04/11 10:52	EPA TO-15
R4-6520	Pinene (TIC)	300	NJ	ug/m3		2/01/11 13:47	2/04/11 10:52	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV93Lab ID: E110601-07Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.3	U	ug/m3	4.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U	ug/m3	3.4	2/01/11 13:47	2/04/11 11:42	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.56	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 11:42	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.4	U	ug/m3	2.4	2/01/11 13:47	2/04/11 11:42	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.8	U, J, QC-6	ug/m3	3.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
106-46-7	1,4-Dichlorobenzene	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
123-91-1	1,4-Dioxane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
67-64-1	Acetone	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
71-43-2	Benzene	0.49	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 11:42	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-27-4	Bromodichloromethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-25-2	Bromoform	5.0	U	ug/m3	5.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
74-83-9	Bromomethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 11:42	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV93Lab ID: E110601-07Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.52	J, Q-2	ug/m3	3.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
74-87-3	Chloromethane	0.84	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.2	U, J, QC-6	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
110-82-7	Cyclohexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 11:42	EPA TO-15
124-48-1	Dibromochloromethane	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5		ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
87-68-3	Hexachlorobutadiene	5.2	U	ug/m3	5.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
110-54-3	Hexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 11:42	EPA TO-15
26635-64-3	Isooctane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 11:42	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.9	U, J, QC-6	ug/m3	4.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.38	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-09-2	Methylene Chloride	0.21	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
115-07-1	Propene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 11:42	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
109-99-9	Tetrahydrofuran	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-88-3	Toluene	0.26	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 11:42	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 11:42	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBAV93

Lab ID: E110601-07

Station ID: YBA

Matrix: Ambient Air

Date Collected: 1/26/11 15:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.3	J, Q-2	ug/m3	2.8	2/01/11 13:47	2/04/11 11:42	EPA TO-15
108-05-4	Vinyl acetate	1.7	U, J, QC-6	ug/m3	1.7	2/01/11 13:47	2/04/11 11:42	EPA TO-15
593-60-2	Vinyl bromide	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/04/11 11:42	EPA TO-15
Tentatively Identified Compounds:								
R4-6520	Pinene (TIC)	40	NJ	ug/m3		2/01/11 13:47	2/04/11 11:42	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV01Lab ID: E110601-08Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/24/11 11:16

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.58	J, Q-2	ug/m3	3.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 12:31	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/04/11 12:31	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
106-99-0	1,3-Butadiene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
622-96-8	4-Ethyltoluene	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
67-64-1	Acetone	3.5	U, B-2	ug/m3	3.5	2/01/11 13:47	2/04/11 12:31	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
71-43-2	Benzene	0.58	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 12:31	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-25-2	Bromoform	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-15-0	Carbon disulfide	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 12:31	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV01Lab ID: E110601-08Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/24/11 11:16

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.55	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
74-87-3	Chloromethane	0.99	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 12:31	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.7		ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
141-78-6	Ethyl Acetate	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
87-68-3	Hexachlorobutadiene	5.1	U	ug/m3	5.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
110-54-3	Hexane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 12:31	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 12:31	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
78-93-3	Methyl Ethyl Ketone	1.2	J, Q-2	ug/m3	1.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
100-42-5	Styrene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-88-3	Toluene	0.30	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 12:31	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 12:31	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV01

Lab ID: E110601-08

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/24/11 11:16

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.4	J, Q-2	ug/m3	2.7	2/01/11 13:47	2/04/11 12:31	EPA TO-15
108-05-4	Vinyl acetate	1.6	U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/04/11 12:31	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 12:31	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/04/11 12:31	EPA TO-15
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	20	U	ug/m3	20	2/01/11 13:47	2/04/11 12:31	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV02Lab ID: E110601-09Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/25/11 11:01

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.2	U	ug/m3	4.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 13:20	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U	ug/m3	3.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.60	J, Q-2	ug/m3	3.5	2/01/11 13:47	2/04/11 13:20	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-34-3	1,1-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.4	U, J, QC-5	ug/m3	3.4	2/01/11 13:47	2/04/11 13:20	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.7	U, J, QC-6	ug/m3	3.7	2/01/11 13:47	2/04/11 13:20	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
107-06-2	1,2-Dichloroethane	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
78-87-5	1,2-Dichloropropane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
106-99-0	1,3-Butadiene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
123-91-1	1,4-Dioxane	3.9	U	ug/m3	3.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
107-05-1	3-Chloropropene	2.8	U	ug/m3	2.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
622-96-8	4-Ethyltoluene	4.7	U	ug/m3	4.7	2/01/11 13:47	2/04/11 13:20	EPA TO-15
67-64-1	Acetone	3.0	U, B-2	ug/m3	3.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
107-13-1	Acrylonitrile	1.0	U	ug/m3	1.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
71-43-2	Benzene	0.62	J, Q-2	ug/m3	1.5	2/01/11 13:47	2/04/11 13:20	EPA TO-15
100-44-7	Benzyl chloride	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-27-4	Bromodichloromethane	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-25-2	Bromoform	4.9	U	ug/m3	4.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
74-83-9	Bromomethane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-15-0	Carbon disulfide	1.4	U	ug/m3	1.4	2/01/11 13:47	2/04/11 13:20	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV02Lab ID: E110601-09Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/25/11 11:01

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.55	J, Q-2	ug/m3	3.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-90-7	Chlorobenzene	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-00-3	Chloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
67-66-3	Chloroform	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
74-87-3	Chloromethane	1.0	J, Q-2	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 13:20	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	2.1	U, J, QC-6	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
110-82-7	Cyclohexane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
124-48-1	Dibromochloromethane	4.0	U	ug/m3	4.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.6		ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
141-78-6	Ethyl Acetate	4.1	U	ug/m3	4.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
100-41-4	Ethyl Benzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
142-82-5	Heptane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
87-68-3	Hexachlorobutadiene	5.1	U	ug/m3	5.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
110-54-3	Hexane	0.18	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
26635-64-3	Isooctane	2.2	U	ug/m3	2.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
67-63-0	Isopropanol	3.0	U, J, QC-6	ug/m3	3.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.8	U, J, QC-6	ug/m3	4.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.48	J, Q-2	ug/m3	1.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.8	U	ug/m3	4.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-09-2	Methylene Chloride	0.23	J, Q-2	ug/m3	1.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
95-47-6	o-Xylene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
115-07-1	Propene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
100-42-5	Styrene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 13:20	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
109-99-9	Tetrahydrofuran	3.2	U	ug/m3	3.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-88-3	Toluene	0.48	J, Q-2	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 13:20	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.3	U, J, QC-6	ug/m3	2.3	2/01/11 13:47	2/04/11 13:20	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV02

Lab ID: E110601-09

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/25/11 11:01

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.4	J, Q-2	ug/m3	2.7	2/01/11 13:47	2/04/11 13:20	EPA TO-15
108-05-4	Vinyl acetate	1.6	U, J, QC-6	ug/m3	1.6	2/01/11 13:47	2/04/11 13:20	EPA TO-15
593-60-2	Vinyl bromide	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 13:20	EPA TO-15
75-01-4	Vinyl chloride	1.2	U	ug/m3	1.2	2/01/11 13:47	2/04/11 13:20	EPA TO-15
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	20	U	ug/m3	20	2/01/11 13:47	2/04/11 13:20	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV03Lab ID: E110601-10Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/26/11 10:57

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	3.8	U	ug/m3	3.8	2/01/11 13:47	2/04/11 14:09	EPA TO-15
71-55-6	1,1,1-Trichloroethane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
79-34-5	1,1,2,2-Tetrachloroethane	3.0	U	ug/m3	3.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.54	J, Q-2	ug/m3	3.2	2/01/11 13:47	2/04/11 14:09	EPA TO-15
79-00-5	1,1,2-Trichloroethane	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-34-3	1,1-Dichloroethane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
120-82-1	1,2,4-Trichlorobenzene	3.0	U, J, QC-5	ug/m3	3.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
95-63-6	1,2,4-Trimethylbenzene	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
106-93-4	1,2-Dibromoethane (EDB)	3.3	U, J, QC-6	ug/m3	3.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
95-50-1	1,2-Dichlorobenzene	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
107-06-2	1,2-Dichloroethane	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
78-87-5	1,2-Dichloropropane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-67-8	1,3,5-Trimethylbenzene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
106-99-0	1,3-Butadiene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 14:09	EPA TO-15
541-73-1	1,3-Dichlorobenzene	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
106-46-7	1,4-Dichlorobenzene	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
123-91-1	1,4-Dioxane	3.5	U	ug/m3	3.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
107-05-1	3-Chloropropene	2.5	U	ug/m3	2.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
622-96-8	4-Ethyltoluene	4.3	U	ug/m3	4.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
67-64-1	Acetone	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
107-13-1	Acrylonitrile	0.91	U	ug/m3	0.91	2/01/11 13:47	2/04/11 14:09	EPA TO-15
71-43-2	Benzene	0.35	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 14:09	EPA TO-15
100-44-7	Benzyl chloride	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-27-4	Bromodichloromethane	2.6	U	ug/m3	2.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-25-2	Bromoform	4.4	U	ug/m3	4.4	2/01/11 13:47	2/04/11 14:09	EPA TO-15
74-83-9	Bromomethane	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-15-0	Carbon disulfide	1.3	U	ug/m3	1.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV03Lab ID: E110601-10Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/26/11 10:57

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
56-23-5	Carbon Tetrachloride	0.50	J, Q-2	ug/m3	2.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-90-7	Chlorobenzene	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-00-3	Chloroethane	2.7	U	ug/m3	2.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
67-66-3	Chloroform	2.1	U	ug/m3	2.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
74-87-3	Chloromethane	0.85	J, Q-2	ug/m3	2.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
156-59-2	cis-1,2-Dichloroethene	1.7	U	ug/m3	1.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
10061-01-5	cis-1,3-Dichloropropene	1.9	U, J, QC-6	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
110-82-7	Cyclohexane	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
124-48-1	Dibromochloromethane	3.6	U	ug/m3	3.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-71-8	Dichlorodifluoromethane (Freon 12)	2.4		ug/m3	2.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
141-78-6	Ethyl Acetate	3.7	U	ug/m3	3.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
100-41-4	Ethyl Benzene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
142-82-5	Heptane	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 14:09	EPA TO-15
87-68-3	Hexachlorobutadiene	4.6	U	ug/m3	4.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
110-54-3	Hexane	1.5	U	ug/m3	1.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
26635-64-3	Isooctane	2.0	U	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
67-63-0	Isopropanol	2.7	U, J, QC-6	ug/m3	2.7	2/01/11 13:47	2/04/11 14:09	EPA TO-15
591-78-6	Methyl Butyl Ketone	4.3	U, J, QC-6	ug/m3	4.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
78-93-3	Methyl Ethyl Ketone	0.21	J, Q-2	ug/m3	1.2	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-10-1	Methyl Isobutyl Ketone	4.3	U	ug/m3	4.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-09-2	Methylene Chloride	0.21	J, Q-2	ug/m3	1.4	2/01/11 13:47	2/04/11 14:09	EPA TO-15
95-47-6	o-Xylene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
115-07-1	Propene	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
100-42-5	Styrene	1.8	U	ug/m3	1.8	2/01/11 13:47	2/04/11 14:09	EPA TO-15
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
109-99-9	Tetrahydrofuran	2.9	U	ug/m3	2.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-88-3	Toluene	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
156-60-5	trans-1,2-Dichloroethene	1.6	U	ug/m3	1.6	2/01/11 13:47	2/04/11 14:09	EPA TO-15
10061-02-6	trans-1,3-Dichloropropene	2.0	U, J, QC-6	ug/m3	2.0	2/01/11 13:47	2/04/11 14:09	EPA TO-15
79-01-6	Trichloroethene (Trichloroethylene)	2.3	U	ug/m3	2.3	2/01/11 13:47	2/04/11 14:09	EPA TO-15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 11-0068

Project: 11-0068, Yellow Bluff Air Study - Reported by Floyd Wellborn

Volatile Organics

Project: 11-0068, Yellow Bluff Air Study

Sample ID: YBBV03

Lab ID: E110601-10

Station ID: YBB

Matrix: Ambient Air

Date Collected: 1/26/11 10:57

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-69-4	Trichlorofluoromethane (Freon 11)	1.2	J, Q-2	ug/m3	2.4	2/01/11 13:47	2/04/11 14:09	EPA TO-15
108-05-4	Vinyl acetate	1.5	U, J, QC-6	ug/m3	1.5	2/01/11 13:47	2/04/11 14:09	EPA TO-15
593-60-2	Vinyl bromide	1.9	U	ug/m3	1.9	2/01/11 13:47	2/04/11 14:09	EPA TO-15
75-01-4	Vinyl chloride	1.1	U	ug/m3	1.1	2/01/11 13:47	2/04/11 14:09	EPA TO-15
Tentatively Identified Compounds:								
R4-6520	Pinene (TIC)	20	NJ	ug/m3		2/01/11 13:47	2/04/11 14:09	EPA TO-15

Appendix F - Analytical Datasheets for Aldehyde Compounds

ERG Laboratory



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

February 23, 2011

Mr. Mike Crowe
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, S.W.
Atlanta, GA 30303-8960
Project Name: Reg 4 Indoor

Dear Mr. Mike Crowe,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 02/03/11 09:58.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for NMOC, UATMP, PAMS, HAPS, and NATTS support (US EPA Contract No. 68-D-03-049). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
YBAA01	1020301-01	Air	01/24/11 23:59	02/03/11 09:58
YBAA91	1020301-02	Air	01/24/11 23:59	02/03/11 09:58
YBBA01	1020301-03	Air	01/24/11 23:59	02/03/11 09:58
YBAA92	1020301-04	Air	01/25/11 23:59	02/03/11 09:58
YBAA02	1020301-05	Air	01/25/11 23:59	02/03/11 09:58
YBBA02	1020301-06	Air	01/25/11 23:59	02/03/11 09:58
YBAA93	1020301-07	Air	01/26/11 23:59	02/03/11 09:58
YBAA03	1020301-08	Air	01/26/11 23:59	02/03/11 09:58
YBBAB3	1020301-09	Air	01/26/11 23:59	02/03/11 09:58
YBBA03	1020301-10	Air	01/26/11 23:59	02/03/11 09:58



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Atlanta, GA 30303-8960

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PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBAA01

Lab ID: 1020301-01

Sampled: 01/24/11 23:59

Matrix: Air

Sample Volume: 1519 L

Received: 02/03/11 09:58

Comments: 1390 minutes

Analyzed: 02/07/11 20:03

Air Toxics by EPA Compendium Method TO-11A

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Formaldehyde	1.65	2.03		0.006
Acetaldehyde	0.605	1.09		0.004
Acetone	0.615	1.46		0.004
Propionaldehyde	0.082	0.20		0.001
Crotonaldehyde	0.029	0.08		0.002
Butyraldehyde	0.077	0.23		0.002
Benzaldehyde	0.036	0.16		0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	0.021	0.07		0.001
Tolualdehydes	0.027	0.13		0.002
Hexaldehyde	0.015	0.06		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



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Atlanta, GA 30303-8960

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PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBAA91

Lab ID: 1020301-02

Sampled: 01/24/11 23:59

Matrix: Air

Sample Volume: 1499 L

Received: 02/03/11 09:58

Comments: 1397 minutes

Analyzed: 02/07/11 20:44

Air Toxics by EPA Compendium Method TO-11A

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Formaldehyde	1.79	2.20		0.006
Acetaldehyde	0.677	1.22		0.004
Acetone	0.654	1.56		0.004
Propionaldehyde	0.099	0.24		0.001
Crotonaldehyde	0.028	0.08		0.002
Butyraldehyde	0.095	0.28		0.002
Benzaldehyde	0.029	0.13		0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	0.030	0.11		0.001
Tolualdehydes	0.038	0.19		0.002
Hexaldehyde	0.019	0.08		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



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U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBBA01

Lab ID: 1020301-03

Sampled: 01/24/11 23:59

Matrix: Air

Sample Volume: 1468 L

Received: 02/03/11 09:58

Comments: 1413 minutes

Analyzed: 02/07/11 21:25

Air Toxics by EPA Compendium Method TO-11A

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Formaldehyde	1.77	2.18		0.006
Acetaldehyde	0.815	1.47		0.004
Acetone	1.11	2.64		0.004
Propionaldehyde	0.114	0.27		0.001
Crotonaldehyde	0.023	0.07		0.002
Butyraldehyde	0.077	0.23		0.002
Benzaldehyde	0.052	0.23		0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	0.042	0.15		0.001
Tolualdehydes	0.024	0.12		0.002
Hexaldehyde	0.026	0.11		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



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61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBAA92

Lab ID: 1020301-04

Sampled: 01/25/11 23:59

Matrix: Air

Sample Volume: 1509 L

Received: 02/03/11 09:58

Comments: 1416 minutes

Analyzed: 02/07/11 22:06

Air Toxics by EPA Compendium Method TO-11A

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Formaldehyde	1.28	1.58		0.006
Acetaldehyde	0.558	1.01		0.004
Acetone	1.05	2.50		0.004
Propionaldehyde	0.060	0.14		0.001
Crotonaldehyde	0.013	0.04		0.002
Butyraldehyde	0.053	0.16		0.002
Benzaldehyde	0.014	0.06		0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	ND	ND	A-01, U	0.001
Tolualdehydes	0.017	0.08		0.002
Hexaldehyde	0.008	0.03		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



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U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBAA02

Lab ID: 1020301-05

Sampled: 01/25/11 23:59

Matrix: Air

Sample Volume: 1538 L

Received: 02/03/11 09:58

Comments: 1416 minutes

Analyzed: 02/07/11 22:46

Air Toxics by EPA Compendium Method TO-11A

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Formaldehyde	0.929	1.14		0.005
Acetaldehyde	0.405	0.73		0.004
Acetone	0.770	1.83		0.004
Propionaldehyde	0.041	0.10		0.001
Crotonaldehyde	0.010	0.03		0.002
Butyraldehyde	0.038	0.11		0.002
Benzaldehyde	0.015	0.07		0.001
Isovaleraldehyde	ND	ND	U	0.0008
Valeraldehyde	ND	ND	A-01, U	0.001
Tolualdehydes	0.013	0.06		0.002
Hexaldehyde	0.006	0.02		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



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61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBBA02

Lab ID: 1020301-06

Sampled: 01/25/11 23:59

Matrix: Air

Sample Volume: 1495 L

Received: 02/03/11 09:58

Comments: 1427 minutes

Analyzed: 02/07/11 23:27

Air Toxics by EPA Compendium Method TO-11A

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Formaldehyde	0.786	0.97		0.006
Acetaldehyde	0.393	0.71		0.004
Acetone	0.781	1.86		0.004
Propionaldehyde	0.059	0.14		0.001
Crotonaldehyde	0.010	0.03		0.002
Butyraldehyde	0.051	0.15		0.002
Benzaldehyde	0.021	0.09		0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	0.018	0.06		0.001
Tolualdehydes	0.014	0.07		0.002
Hexaldehyde	0.013	0.05		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



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U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

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FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBAA93

Lab ID: 1020301-07

Sampled: 01/26/11 23:59

Matrix: Air

Sample Volume: 1495 L

Received: 02/03/11 09:58

Comments: 1403 minutes

Analyzed: 02/08/11 01:30

Air Toxics by EPA Compendium Method TO-11A

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Formaldehyde	1.02	1.26		0.006
Acetaldehyde	0.352	0.64		0.004
Acetone	0.872	2.07		0.004
Propionaldehyde	0.049	0.12		0.001
Crotonaldehyde	0.012	0.03		0.002
Butyraldehyde	0.044	0.13		0.002
Benzaldehyde	0.010	0.04		0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	0.008	0.03		0.001
Tolualdehydes	0.009	0.04		0.002
Hexaldehyde	0.006	0.02		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBAA03

Lab ID: 1020301-08

Sampled: 01/26/11 23:59

Matrix: Air

Sample Volume: 1516 L

Received: 02/03/11 09:58

Comments: 1403 minutes

Analyzed: 02/08/11 02:11

Air Toxics by EPA Compendium Method TO-11A

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Formaldehyde	1.09	1.34		0.006
Acetaldehyde	0.343	0.62		0.004
Acetone	0.873	2.08		0.004
Propionaldehyde	0.046	0.11		0.001
Crotonaldehyde	0.012	0.03		0.002
Butyraldehyde	0.043	0.13		0.002
Benzaldehyde	0.014	0.06		0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	0.008	0.03		0.001
Tolualdehydes	0.012	0.06		0.002
Hexaldehyde	0.008	0.03		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBBAB3

Lab ID: 1020301-09

Sampled: 01/26/11 23:59

Matrix: Air

Sample Volume: 1501 L

Received: 02/03/11 09:58

Comments: 1406 minutes

Analyzed: 02/08/11 02:51

Air Toxics by EPA Compendium Method TO-11A

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Formaldehyde	0.022	0.03		0.006
Acetaldehyde	0.013	0.02		0.004
Acetone	0.034	0.08		0.004
Propionaldehyde	ND	ND	U	0.001
Crotonaldehyde	ND	ND	U	0.002
Butyraldehyde	ND	ND	U	0.002
Benzaldehyde	ND	ND	U	0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	ND	ND	U	0.001
Tolualdehydes	ND	ND	U	0.002
Hexaldehyde	ND	ND	U	0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Description: YBBA03

Lab ID: 1020301-10

Sampled: 01/26/11 23:59

Matrix: Air

Sample Volume: 1441 L

Received: 02/03/11 09:58

Comments: 1406 minutes

Analyzed: 02/08/11 03:32

Air Toxics by EPA Compendium Method TO-11A

Analyte	Results		Flag	MDL
	ppbv	ug/m ³		ppbv
Formaldehyde	0.752	0.93		0.006
Acetaldehyde	0.276	0.50		0.004
Acetone	0.629	1.50		0.004
Propionaldehyde	0.040	0.10		0.002
Crotonaldehyde	0.009	0.03		0.002
Butyraldehyde	0.032	0.09		0.002
Benzaldehyde	0.015	0.07		0.001
Isovaleraldehyde	ND	ND	U	0.0009
Valeraldehyde	0.011	0.04		0.001
Tolualdehydes	0.011	0.05		0.002
Hexaldehyde	0.009	0.04		0.001
2,5-Dimethylbenzaldehyde	ND	ND	U	0.001



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
---------	--------	-------	---------------	-----	-----------	-------

Air Toxics by EPA Compendium Method TO-11A - Quality Control

Batch B1B0302 - TO-11A extraction

Duplicate (B1B0302-DUP3)

Source: 1020301-10

Prepared: 02/03/11 Analyzed: 02/08/11

Formaldehyde	0.751	ppbv	0.752	0.152	10	
Acetaldehyde	0.281	ppbv	0.276	1.87	10	
Acetone	0.632	ppbv	0.629	0.558	10	
Propionaldehyde	0.041	ppbv	0.040	3.76	10	
Crotonaldehyde	0.009	ppbv	0.009	3.29	10	
Butyraldehyde	0.032	ppbv	0.032	1.42	10	
Benzaldehyde	0.015	ppbv	0.015	2.13	10	
Isovaleraldehyde	ND	ppbv	ND		10	U
Valeraldehyde	0.011	ppbv	0.011	0.343	10	
Tolualdehydes	0.011	ppbv	0.011	1.58	10	
Hexaldehyde	0.009	ppbv	0.009	1.76	10	
2,5-Dimethylbenzaldehyde	ND	ppbv	ND		10	U

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency, Region 4

61 Forsyth Street, S.W.

Atlanta, GA 30303-8960

ATTN: Mr. Mike Crowe

PHONE: (706) 355-8630 FAX: -

FILE #: 0269.00.018

REPORTED: 02/23/11 08:24

SUBMITTED: 02/03/11

AQS SITE CODE:

SITE CODE: Reg 4 Indoor

Notes and Definitions

U	Under Detection Limit
A-01	Compound not detected due to co-elution
ND	Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: Breakthrough cartridges were not submitted or analyzed as specified by Compendium Method TO-11A. This deviation from the method has been approved by the US EPA, under the contract for NMOC, UATMP, PAMS, HAPS, and NATTS Support (US EPA Contract No. 68-D-03-049).

***Appendix G - Analytical Datasheets for Reactive Gases and Particles
(IO-4.2)***

RTI Laboratory

	A	B	C	D	E	F	G	H
1	aliquot_sk	SITE	SAMPLE_DATE	MODULE_ID	COMMENT	SAMPLE_TIME_Mins	FILTER_TYPE	FIELD_GEN_NAME
2	A751750S	YBAR91	01/24/2011	I12834B		1409	Nylon Filter	FIELD_GEN_NAME
3	A751754W	YBAR01	01/24/2011	I12838F		1409	Nylon Filter	FIELD_GEN_NAME
4	A7517580	YBBR01	01/24/2011	I128409		1409	Nylon Filter	FIELD_GEN_NAME
5	A751749Z	YBBR02	01/25/2011	I128318		1413	Nylon Filter	FIELD_GEN_NAME
6	A751752U	YBAR92	01/25/2011	I12837E		1391	Nylon Filter	FIELD_GEN_NAME
7	A751753V	YBAR02	01/25/2011	I12835C		1391	Nylon Filter	FIELD_GEN_NAME
8	A751751T	YBBRB3	01/26/2011	I12839G		1390	Nylon Filter	FIELD_GEN_NAME
9	A751755X	YBAR93	01/26/2011	I12841A		1395	Nylon Filter	FIELD_GEN_NAME
10	A751756Y	YBAR03	01/26/2011	I12843C		1395	Nylon Filter	FIELD_GEN_NAME
11	A751757Z	YBBR03	01/26/2011	I128307		1387	Nylon Filter	FIELD_GEN_NAME
12	A751743T	YBAR01	01/24/2011	I12838F		1409	Teflon Filter	FIELD_GEN_NAME
13	A751747X	YBAR91	01/24/2011	I12834B		1409	Teflon Filter	FIELD_GEN_NAME
14	A751739X	YBBR01	01/24/2011	I128409		1409	Teflon Filter	FIELD_GEN_NAME
15	A751744U	YBAR02	01/25/2011	I12835C		1391	Teflon Filter	FIELD_GEN_NAME
16	A751745V	YBAR92	01/25/2011	I12837E		1391	Teflon Filter	FIELD_GEN_NAME
17	A751748Y	YBBR02	01/25/2011	I128318		1413	Teflon Filter	FIELD_GEN_NAME
18	A751741R	YBAR03	01/26/2011	I12843C		1395	Teflon Filter	FIELD_GEN_NAME
19	A751742S	YBAR93	01/26/2011	I12841A		1395	Teflon Filter	FIELD_GEN_NAME
20	A751740Q	YBBR03	01/26/2011	I128307		1387	Teflon Filter	FIELD_GEN_NAME
21	A751746W	YBBRB3	01/26/2011	I12839G		1390	Teflon Filter	FIELD_GEN_NAME
22	Denuder	YBAR01	01/24/2011	I127359	Citric Acid Coated	1409		
23	Denuder	YBAR01	01/24/2011	I12729B	Sodium Carbonate Coated	1409		
24	Denuder	YBAR91	01/24/2011	I12738C	Citric Acid Coated	1409		
25	Denuder	YBAR91	01/24/2011	I127235	Sodium Carbonate Coated	1409		
26	Denuder	YBBR01	01/24/2011	I127304	Citric Acid Coated	1409		
27	Denuder	YBBR01	01/24/2011	I127268	Sodium Carbonate Coated	1409		
28	Denuder	YBAR02	01/25/2011	I12736A	Citric Acid Coated	1391		
29	Denuder	YBAR02	01/25/2011	I127279	Sodium Carbonate Coated	1391		
30	Denuder	YBAR92	01/25/2011	I127315	Citric Acid Coated	1391		
31	Denuder	YBAR92	01/25/2011	I127257	Sodium Carbonate Coated	1391		
32	Denuder	YBBR02	01/25/2011	I12739D	Citric Acid Coated	1413		
33	Denuder	YBBR02	01/25/2011	I127246	Sodium Carbonate Coated	1413		
34	Denuder	YBAR03	01/26/2011	I127348	Citric Acid Coated	1395		
35	Denuder	YBAR03	01/26/2011	I12728A	Sodium Carbonate Coated	1395		
36	Denuder	YBAR93	01/26/2011	I127326	Citric Acid Coated	1395		
37	Denuder	YBAR93	01/26/2011	I127202	Sodium Carbonate Coated	1395		
38	Denuder	YBBR03	01/26/2011	I127337	Citric Acid Coated	1387		
39	Denuder	YBBR03	01/26/2011	I127224	Sodium Carbonate Coated	1387		
40	Denuder	YBBRB3	01/26/2011	I12737B	Citric Acid Coated	1390		
41	Denuder	YBBRB3	01/26/2011	I127213	Sodium Carbonate Coated	1390		

	I	J	K	L	M	N	O	P	Q	R	S
1	CHANNEL_ID	SAMP_VOL	AVG_FLOW	FILTER_INVALID	Cations - K	Cations - Na	NO3 - NO3	SO4 - SO4	Cations - NH4	GRAV - PM25 Mass	Flags
2	1	15.01	10.65	FALSE	0.000	0.013	0.161	0.033	0.052		
3	1	14.56	10.33	FALSE	0.013	0.018	0.183	0.040	0.097		
4	1	14.71	10.44	FALSE	0.000	0.008	0.523	0.047	0.018		
5	1	14.74	10.43	FALSE	0.000	0.113	0.208	0.038	0.095		
6	1	12.66	9.10	FALSE	0.000	0.000	0.399	0.050	0.109		
7	1	14.61	10.50	FALSE	0.010	0.014	0.454	0.053	0.180		
8	1	14.50	10.45	FALSE	0.000	0.000	0.037	0.027	0.007		
9	1	14.22	10.19	FALSE	0.000	0.000	0.192	0.037	0.039		
10	1	15.12	10.84	FALSE	0.000	0.000	0.225	0.036	0.032		
11	1	14.48	10.44	FALSE	0.000	0.014	0.109	0.037	0.096		
12	1	14.56	10.33	FALSE	0.114	0.031	0.283	1.413	0.632	13.805	
13	1	15.01	10.65	FALSE	0.115	0.028	0.340	1.532	0.681	14.457	
14	1	14.71	10.44	FALSE	0.071	0.027	0.227	1.100	0.468	9.177	
15	1	14.61	10.50	FALSE	0.155	2.341	0.297	6.730	0.555	15.127	
16	1	12.66	9.10	FALSE	0.152	2.321	0.417	6.651	0.528	14.455	
17	1	14.74	10.43	FALSE	0.055	0.018	0.162	1.778	0.689	7.531	
18	1	15.12	10.84	FALSE	0.064	0.118	0.150	1.375	0.434	6.283	
19	1	14.22	10.19	FALSE	0.064	0.132	0.105	1.457	0.453	7.103	
20	1	14.48	10.44	FALSE	0.000	0.036	0.104	1.350	0.475	5.180	
21	1	14.50	10.45	FALSE	0.000	0.000	0.023	0.014	0.000	-0.138	
22	1	14.56	10.33	FALSE					0.335		
23	1	14.56	10.33	FALSE			0.276	1.411			
24	1	15.01	10.65	FALSE					0.374		
25	1	15.01	10.65	FALSE			0.297	1.636			
26	1	14.71	10.44	FALSE					0.175		
27	1	14.71	10.44	FALSE			0.289	1.705			
28	1	14.61	10.50	FALSE					0.400		
29	1	14.61	10.50	FALSE			0.343	7.542			
30	1	12.66	9.10	FALSE					0.420		
31	1	12.66	9.10	FALSE			0.472	9.186			
32	1	14.74	10.43	FALSE					0.171		
33	1	14.74	10.43	FALSE			0.357	2.271			
34	1	15.12	10.84	FALSE					0.278		
35	1	15.12	10.84	FALSE			0.271	2.877			
36	1	14.22	10.19	FALSE					0.273		
37	1	14.22	10.19	FALSE			0.431	3.424			
38	1	14.48	10.44	FALSE					0.164		
39	1	14.48	10.44	FALSE			0.285	1.429			
40	1	14.50	10.45	FALSE					0.089		
41	1	14.50	10.45	FALSE			0.059	0.419			

	A	B	C	D	E	F	G	H
1	aliquot_sk	SITE	SAMPLE_DATE	MODULE_ID	COMMENT	SAMPLE_TIME_Mins	FILTER_TYPE	FIELD_GEN_NAME
2	A751750S	YBAR91	01/24/2011	I12834B		1409	Nylon Filter	
3	A751754W	YBAR01	01/24/2011	I12838F		1409	Nylon Filter	
4	A7517580	YBBR01	01/24/2011	I128409		1409	Nylon Filter	
5	A751749Z	YBBR02	01/25/2011	I128318		1413	Nylon Filter	
6	A751752U	YBAR92	01/25/2011	I12837E		1391	Nylon Filter	
7	A751753V	YBAR02	01/25/2011	I12835C		1391	Nylon Filter	
8	A751751T	YBBRB3	01/26/2011	I12839G		1390	Nylon Filter	
9	A751755X	YBAR93	01/26/2011	I12841A		1395	Nylon Filter	
10	A751756Y	YBAR03	01/26/2011	I12843C		1395	Nylon Filter	
11	A751757Z	YBBR03	01/26/2011	I128307		1387	Nylon Filter	
12	A751743T	YBAR01	01/24/2011	I12838F		1409	Teflon Filter	13635773
13	A751747X	YBAR91	01/24/2011	I12834B		1409	Teflon Filter	13635751
14	A751739X	YBBR01	01/24/2011	I128409		1409	Teflon Filter	13635819
15	A751744U	YBAR02	01/25/2011	I12835C		1391	Teflon Filter	13635740
16	A751745V	YBAR92	01/25/2011	I12837E		1391	Teflon Filter	13635784
17	A751748Y	YBBR02	01/25/2011	I128318		1413	Teflon Filter	13635820
18	A751741R	YBAR03	01/26/2011	I12843C		1395	Teflon Filter	13635875
19	A751742S	YBAR93	01/26/2011	I12841A		1395	Teflon Filter	13635808
20	A751740Q	YBBR03	01/26/2011	I128307		1387	Teflon Filter	13635831
21	A751746W	YBBRB3	01/26/2011	I12839G		1390	Teflon Filter	13635762
22	Denuder	YBAR01	01/24/2011	I127359	Citric Acid Coated	1409		
23	Denuder	YBAR01	01/24/2011	I12729B	Sodium Carbonate Coated	1409		
24	Denuder	YBAR91	01/24/2011	I12738C	Citric Acid Coated	1409		
25	Denuder	YBAR91	01/24/2011	I127235	Sodium Carbonate Coated	1409		
26	Denuder	YBBR01	01/24/2011	I127304	Citric Acid Coated	1409		
27	Denuder	YBBR01	01/24/2011	I127268	Sodium Carbonate Coated	1409		
28	Denuder	YBAR02	01/25/2011	I12736A	Citric Acid Coated	1391		
29	Denuder	YBAR02	01/25/2011	I127279	Sodium Carbonate Coated	1391		
30	Denuder	YBAR92	01/25/2011	I127315	Citric Acid Coated	1391		
31	Denuder	YBAR92	01/25/2011	I127257	Sodium Carbonate Coated	1391		
32	Denuder	YBBR02	01/25/2011	I12739D	Citric Acid Coated	1413		
33	Denuder	YBBR02	01/25/2011	I127246	Sodium Carbonate Coated	1413		
34	Denuder	YBAR03	01/26/2011	I127348	Citric Acid Coated	1395		
35	Denuder	YBAR03	01/26/2011	I12728A	Sodium Carbonate Coated	1395		
36	Denuder	YBAR93	01/26/2011	I127326	Citric Acid Coated	1395		
37	Denuder	YBAR93	01/26/2011	I127202	Sodium Carbonate Coated	1395		
38	Denuder	YBBR03	01/26/2011	I127337	Citric Acid Coated	1387		
39	Denuder	YBBR03	01/26/2011	I127224	Sodium Carbonate Coated	1387		
40	Denuder	YBBRB3	01/26/2011	I12737B	Citric Acid Coated	1390		
41	Denuder	YBBRB3	01/26/2011	I127213	Sodium Carbonate Coated	1390		

	I	J	K	L	M	N	O	P	Q	R	S
1	CHANNEL_ID	SAMP_VOL	AVG_FLOW	FILTER_INVALID	Cations - K	Cations - Na	NO3 - NO3	SO4 - SO4	Cations - NH4	GRAV - PM25 Mass	Flags
2	1	15.01	10.65	FALSE	0.000	0.193	2.412	0.490	0.787		
3	1	14.56	10.33	FALSE	0.191	0.255	2.669	0.579	1.407		
4	1	14.71	10.44	FALSE	0.000	0.119	7.687	0.687	0.258		
5	1	14.74	10.43	FALSE	0.000	1.665	3.070	0.562	1.395		
6	1	12.66	9.10	FALSE	0.000	0.000	5.048	0.632	1.386		
7	1	14.61	10.50	FALSE	0.151	0.198	6.640	0.768	2.626		
8	1	14.50	10.45	FALSE	0.000	0.000	0.542	0.388	0.095		
9	1	14.22	10.19	FALSE	0.000	0.000	2.732	0.519	0.551		
10	1	15.12	10.84	FALSE	0.000	0.000	3.409	0.538	0.481		
11	1	14.48	10.44	FALSE	0.000	0.208	1.581	0.540	1.384		
12	1	14.56	10.33	FALSE	1.665	0.454	4.114	20.573	9.204	201.000	
13	1	15.01	10.65	FALSE	1.725	0.427	5.100	22.999	10.216	217.000	
14	1	14.71	10.44	FALSE	1.047	0.391	3.343	16.174	6.879	135.000	
15	1	14.61	10.50	FALSE	2.270	34.196	4.343	98.332	8.102	221.000	
16	1	12.66	9.10	FALSE	1.927	29.389	5.285	84.199	6.679	183.000	
17	1	14.74	10.43	FALSE	0.814	0.273	2.390	26.207	10.155	111.000	
18	1	15.12	10.84	FALSE	0.969	1.791	2.261	20.783	6.567	95.000	
19	1	14.22	10.19	FALSE	0.916	1.882	1.493	20.717	6.437	101.000	
20	1	14.48	10.44	FALSE	0.000	0.526	1.499	19.544	6.875	75.000	
21	1	14.50	10.45	FALSE	0.000	0.000	0.336	0.210	0.000	-2.000	
22	1	14.56	10.33	FALSE					4.876		
23	1	14.56	10.33	FALSE			4.025	20.538			
24	1	15.01	10.65	FALSE					5.614		
25	1	15.01	10.65	FALSE			4.461	24.563			
26	1	14.71	10.44	FALSE					2.576		
27	1	14.71	10.44	FALSE			4.250	25.076			
28	1	14.61	10.50	FALSE					5.843		
29	1	14.61	10.50	FALSE			5.004	110.189			
30	1	12.66	9.10	FALSE					5.311		
31	1	12.66	9.10	FALSE			5.975	116.293			
32	1	14.74	10.43	FALSE					2.525		
33	1	14.74	10.43	FALSE			5.255	33.474			
34	1	15.12	10.84	FALSE					4.204		
35	1	15.12	10.84	FALSE			4.103	43.499			
36	1	14.22	10.19	FALSE					3.889		
37	1	14.22	10.19	FALSE			6.124	48.696			
38	1	14.48	10.44	FALSE					2.371		
39	1	14.48	10.44	FALSE			4.134	20.692			
40	1	14.50	10.45	FALSE					1.291		
41	1	14.50	10.45	FALSE			0.862	6.075			

***Appendix H - Analytical Datasheets for Corrosion Classification
Coupons***

Purafil Laboratory

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA
St. Lewis Church

Sales Order #: C002863

Room Area ID: YB1C01

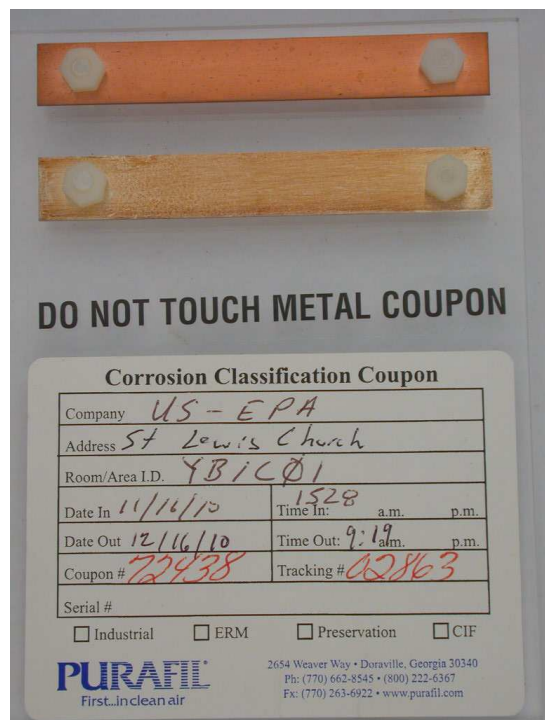
CCC Panel #: P72438

Serial #:

Date In: 16-Nov-2010

Date Out: 16-Dec-2010

Days in Service : 30



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company <i>US-EPA</i>	
Address <i>St Lewis Church</i>	
Room/Area I.D. <i>YB1C01</i>	
Date In <i>11/16/10</i>	Time In: <i>1528</i> a.m. p.m.
Date Out <i>12/16/10</i>	Time Out: <i>9:19</i> a.m. p.m.
Coupon # <i>72438</i>	Tracking # <i>02863</i>
Serial #	

☐ Industrial
 ☐ ERM
 ☐ Preservation
 ☐ CIF

PURAFIL
 First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
 Ph: (770) 662-8545 • (800) 222-6367
 Fx: (770) 263-6922 • www.purafil.com

CCC # P72438

ISA Class G2
MODERATE

Copper Corrosion
397 Å/30 days

Silver Corrosion
302 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72438

The electrolytic reduction analysis on Corrosion Classification Coupon # P72438 shows the presence of moderate concentrations of contaminants and high/variable humidity in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb, sulfur dioxide between 10 and 100 ppb, and chlorine between 1 and 2 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Contact Purafil, Inc./Chris Moon
 2654 Weaver Way, Doraville GA 30340, USA
 770-662-8545 Chris_Moon@Purafil.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / Fax (770) 263-6922
 International / Purafil Europa BV / Aziesingel 30 / NL-3404 EL IJsselstein / The Netherlands
 Ph. 31 30 267 67 30 / Fax 31 30 267 60 80
 Email: purafil@purafil.com / Internet: <http://www.purafil.com>

PURAFIL CCC # P72438 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
	30 Days	Projections	
		1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	234 Å	538 Å	921 Å
Unknowns	163 Å	374 Å	640 Å
Totals	397 Å	912 Å	1561 Å
Silver Films			
AgCl	16 Å	194 Å	972 Å
Ag ₂ S	243 Å	2961 Å	14804 Å
Unknowns	43 Å	523 Å	2614 Å
Totals	302 Å	3678 Å	18390 Å
Note: 1000 Å = 0.1 micron			

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F
i 2000
l
m

ISA Class GX: SEVERE
Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)

T
h 1500
i
c
k
n
e 1000
s
s

ISA Class G3: HARSH
High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)

i
n 500

ISA Class G2: MODERATE
Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)

Å 300

0

Ag
Ag
Ag

Silver
(302 Å)

Cu
Cu
Cu
Cu

Copper
(397Å)

ISA Class G1: MILD
Corrosion is not a factor in determining equipment reliability. (Cu <300)

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA
William Social Center A/C

Sales Order #: C002863

Room Area ID: YB2C09W
Serial #:

CCC Panel #: P72435
Date In: 16-Nov-2010
Date Out: 16-Dec-2010
Days in Service : 30



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon	
Company	US EPA v1
Address	Williams Social Center A/C
Room/Area I.D.	YB2C091W
Date In	11/16/10 ^{us}
Time In:	a.m. 12:05 p.m.
Date Out	12/16/10
Time Out:	0928 a.m. p.m.
Coupon #	P72435
Tracking #	08183
Serial #	
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CCC # P72435

ISA Class G3
HARSH

Copper Corrosion
1677 Å/30 days

Silver Corrosion
322 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72435

The electrolytic reduction analysis on Corrosion Classification Coupon # P72435 shows the presence of high concentrations of contaminants and high/variable humidity in the environment tested. The hydrogen sulfide level is expected to range between 10 and 50 ppb, sulfur dioxide between 100 and 300 ppb, and chlorine between 2 and 10 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. There is a high probability that equipment reliability will be adversely affected due to corrosive attack.

Your local representative for additional information and assistance is:

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PURAFIL CCC # P72435 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
		Projections	
	30 Days	1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	154 Å	536 Å	1199 Å
Unknowns	1523 Å	5315 Å	11885 Å
Totals	1677 Å	5851 Å	13084 Å
Silver Films			
AgCl	17 Å	212 Å	1060 Å
Ag ₂ S	275 Å	3348 Å	16740 Å
Unknowns	30 Å	366 Å	1830 Å
Totals	322 Å	3926 Å	19630 Å
Note: 1000 Å = 0.1 micron			

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

Film Thickness

ISA Class GX: SEVERE
Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)

Thickness in mils

300 Å

0

Ag
Ag
Ag
Silver
(322 Å)

Cu
Cu
Cu
Cu
Cu
Cu
Cu
Cu
Cu
Cu
Cu
Cu
Cu
Copper
(1677Å)

ISA Class G3: HARSH
High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)

ISA Class G2: MODERATE
Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)

ISA Class G1: MILD
Corrosion is not a factor in determining equipment reliability. (Cu <300)

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA
Williams Social Center

Sales Order #: C002863

Room Area ID: YB2C01D

CCC Panel #: P72436

Serial #:

Date In: 16-Nov-2010

Date Out: 16-Dec-2010

Days in Service : 30

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon	
Company	US - EPA LHS
Address	Williams Social Center
Room/Area I.D.	YB2C01D LHS
Date In	11/16/10
Time In:	a.m. p.m.
Date Out	12/16/10
Time Out:	928 a.m. p.m.
Coupon #	72436
Tracking #	02863
Serial #	
☐ Industrial ☐ ERM ☐ Preservation ☐ CIF	

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CCC # P72436

ISA Class G2
MODERATE

Copper Corrosion
440 Å/30 days

Silver Corrosion
271 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72436

The electrolytic reduction analysis on Corrosion Classification Coupon # P72436 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

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PURAFIL CCC # P72436 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
	30 Days	Projections	
		1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	90 Å	315 Å	704 Å
Unknowns	350 Å	1220 Å	2728 Å
Totals	440 Å	1535 Å	3432 Å
Silver Films			
AgCl	0 Å	0 Å	0 Å
Ag ₂ S	271 Å	3302 Å	16512 Å
Unknowns	0 Å	0 Å	0 Å
Totals	271 Å	3302 Å	16512 Å
Note: 1000 Å = 0.1 micron			

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F
i 2000
l
m

ISA Class GX: SEVERE
Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)

T
h 1500
i
c
k
n
e 1000
s
s

ISA Class G3: HARSH
High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)

i
n 500

ISA Class G2: MODERATE
Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)

Å 300

0

Ag
Ag
Ag
Silver
(271 Å)

Cu
Cu
Cu
Cu
Copper
(440Å)

ISA Class G1: MILD
Corrosion is not a factor in determining equipment reliability. (Cu <300)

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA
Mt. Pleasant Miss Church

Sales Order #: C002863

Room Area ID: YB4C01

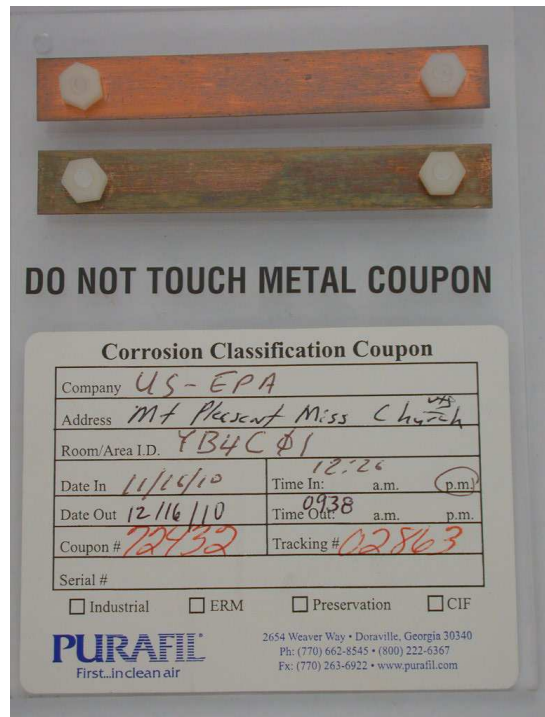
CCC Panel #: P72432

Serial #:

Date In: 16-Nov-2010

Date Out: 16-Dec-2010

Days in Service : 30



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon	
Company	US-EPA
Address	Mt Pleasant Miss Church
Room/Area I.D.	YB4C01
Date In	11/16/10
Time In	12:26 a.m. (p.m.)
Date Out	12/16/10
Time Out	0938 a.m. p.m.
Coupon #	72432
Tracking #	02863
Serial #	
☐ Industrial ☐ ERM ☐ Preservation ☐ CIF	

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CCC # P72432

ISA Class G2
MODERATE

Copper Corrosion
843 Å/30 days

Silver Corrosion
976 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72432

The electrolytic reduction analysis on Corrosion Classification Coupon # P72432 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb, sulfur dioxide between 10 and 100 ppb, and chlorine between 1 and 2 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

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PURAFIL CCC # P72432 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
	30 Days	Projections	
		1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	539 Å	1882 Å	4208 Å
Unknowns	304 Å	1059 Å	2368 Å
Totals	843 Å	2941 Å	6576 Å
Silver Films			
AgCl	15 Å	177 Å	883 Å
Ag ₂ S	907 Å	11046 Å	55231 Å
Unknowns	54 Å	654 Å	3268 Å
Totals	976 Å	11877 Å	59382 Å
Note: 1000 Å = 0.1 micron			

Note: 1000 Å = 0.1 micron

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F
i 2000
l
m

ISA Class GX: SEVERE
Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)

T
h 1500
i
c
k
n
e 1000

ISA Class G3: HARSH
High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)

s
s

i
n 500

Å 300

0



ISA Class G2: MODERATE
Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)

ISA Class G1: MILD
Corrosion is not a factor in determining equipment reliability. (Cu <300)

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA
Greater Faith

Sales Order #: C002863

Room Area ID: YB6C01
Serial #:

CCC Panel #: P72442
Date In: 16-Nov-2010
Date Out: 16-Dec-2010
Days in Service : 30



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon			
Company <i>US - EPA</i>			
Address <i>Greater Faith</i>			
Room/Area I.D. <i>YB6C01</i>			
Date In <i>11/16/10</i>	Time In: <i>11:00</i> a.m.	p.m.	
Date Out <i>12/16/10</i>	Time Out: <i>0945</i> a.m.	p.m.	
Coupon # <i>72442</i>	Tracking # <i>02863</i>		
Serial #			
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CCC # P72442

ISA Class GX
SEVERE

Copper Corrosion
4687 Å/30 days

Silver Corrosion
2708 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72442

The electrolytic reduction analysis on Corrosion Classification Coupon # P72442 shows the presence of extremely high concentrations of contaminants and the possibility of high/variable humidity in the environment tested. The hydrogen sulfide level is expected to be in excess of 50 ppb, sulfur dioxide greater than 300 ppb, and chlorine greater than 10 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. Electronic/electrical equipment is not expected to survive in this environment due to corrosive attack.

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PURAFIL CCC # P72442 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
		Projections	
	30 Days	1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	101 Å	536 Å	1568 Å
Unknowns	4586 Å	24270 Å	70967 Å
Totals	4687 Å	24806 Å	72535 Å
Silver Films			
AgCl	36 Å	442 Å	2208 Å
Ag ₂ S	2656 Å	32341 Å	161706 Å
Unknowns	16 Å	196 Å	980 Å
Totals	2708 Å	32979 Å	164894 Å
Note: 1000 Å = 0.1 micron			

Note: 1000 Å = 0.1 micron

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F i 2000 l m	Ag	Cu	ISA Class GX: SEVERE Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
T h 1500 i c k n e 1000 s s	Ag	Cu	ISA Class G3: HARSH High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
i n 500 Å 300	Ag	Cu	ISA Class G2: MODERATE Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
0	Ag	Cu	ISA Class G1: MILD Corrosion is not a factor in determining equipment reliability. (Cu <300)
	Ag	Cu	
	Ag	Cu	
	Silver (2708 Å)	Copper (4687Å)	

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA **Sales Order #:** C002863
 Yellow Bluff Health Ctr/ Powell
 Resident

Room Area ID: YB7C091

CCC Panel #: P72424

Serial #:

Date In: 16-Nov-2010

Date Out: 16-Dec-2010

Days in Service : 30

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon			
Company <i>US-EPA</i>			
Address <i>Yellow Bluff Health Ctr / Powell Resident</i>			
Room/Area I.D. <i>YB7C091</i>			
Date In <i>11/16</i>	Time In <i>11:32</i>		
Date Out <i>12/16/10</i>	Time Out <i>0955</i>		
Coupon # <i>72424</i>	Tracking # <i>02863</i>		
Serial #			
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CCC # P72424

ISA Class GX
SEVERE

Copper Corrosion
5784 Å/30 days

Silver Corrosion
2600 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72424

The electrolytic reduction analysis on Corrosion Classification Coupon # P72424 shows the presence of extremely high concentrations of contaminants and the possibility of high/variable humidity in the environment tested. The hydrogen sulfide level is expected to be in excess of 50 ppb and the sulfur dioxide level should be greater than 300 ppb. Electronic/electrical equipment is not expected to survive in this environment due to corrosive attack.

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PURAFIL CCC # P72424 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
		Projections	
	30 Days	1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	92 Å	484 Å	1416 Å
Unknowns	5692 Å	30123 Å	88079 Å
Totals	5784 Å	30607 Å	89495 Å
Silver Films			
AgCl	0 Å	0 Å	0 Å
Ag ₂ S	2600 Å	31658 Å	158290 Å
Unknowns	0 Å	0 Å	0 Å
Totals	2600 Å	31658 Å	158290 Å
Note: 1000 Å = 0.1 micron			

Note: 1000 Å = 0.1 micron

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F i 2000 l m	Ag	Cu	ISA Class GX: SEVERE Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
T h 1500 i c k n e 1000 s s	Ag	Cu	ISA Class G3: HARSH High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
i n 500 Å 300	Ag	Cu	ISA Class G2: MODERATE Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
0	Ag	Cu	ISA Class G1: MILD Corrosion is not a factor in determining equipment reliability. (Cu <300)
	Ag	Cu	
	Ag	Cu	
	Silver (2600 Å)	Copper (5784Å)	

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA
Yellow Bluff Health Ctr /
Powell Resident

Sales Order #: C002863

Room Area ID: YB7C01

CCC Panel #: P72440

Serial #:

Date In: 16-Nov-2010

Date Out: 16-Dec-2010

Days in Service : 30



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company <i>US-EPA</i>	
Address <i>Yellow Bluff Health Ctr / Powell</i>	
Room/Area I.D. <i>YB7C01</i>	
Date In <i>11/16/10</i>	Time In: <i>11:24</i> a.m. p.m.
Date Out <i>12/16/10</i>	Time Out: <i>8:55</i> a.m. p.m.
Coupon # <i>72440</i>	Tracking # <i>02863</i>
Serial #	

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CCC # P72440

ISA Class GX
SEVERE

Copper Corrosion
3391 Å/30 days

Silver Corrosion
2081 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72440

The electrolytic reduction analysis on Corrosion Classification Coupon # P72440 shows the presence of extremely high concentrations of contaminants and the possibility of high/variable humidity in the environment tested. The hydrogen sulfide level is expected to be in excess of 50 ppb, sulfur dioxide greater than 300 ppb, and chlorine greater than 10 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. Electronic/electrical equipment is not expected to survive in this environment due to corrosive attack.

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770-662-8545 Chris_Moon@Purafil.com

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 Email: purafil@purafil.com / Internet: <http://www.purafil.com>

PURAFIL CCC # P72440 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
	30 Days	Projections	
		1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	52 Å	277 Å	809 Å
Unknowns	3339 Å	17672 Å	51673 Å
Totals	3391 Å	17949 Å	52482 Å
Silver Films			
AgCl	44 Å	530 Å	2650 Å
Ag ₂ S	1983 Å	24142 Å	120710 Å
Unknowns	54 Å	654 Å	3268 Å
Totals	2081 Å	25326 Å	126628 Å
Note: 1000 Å = 0.1 micron			

Note: 1000 Å = 0.1 micron

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F i 2000 l m	Ag	Cu	ISA Class GX: SEVERE Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
T h 1500 i c k n e 1000 s s	Ag	Cu	ISA Class G3: HARSH High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
i n 500 Å 300	Ag	Cu	ISA Class G2: MODERATE Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
0	Ag	Cu	ISA Class G1: MILD Corrosion is not a factor in determining equipment reliability. (Cu <300)
	Ag	Cu	
	Ag	Cu	
	Silver (2081 Å)	Copper (3391Å)	

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA SESD
Yellow Bluff Town Hall

Sales Order #: C002863

Room Area ID: YBAC01

CCC Panel #: P72443

Serial #:

Date In: 16-Nov-2010

Date Out: 16-Dec-2010

Days in Service : 30

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon			
Company <i>USEPA SESD</i>			
Address <i>Yellow Bluff Town Hall</i>			
Room/Area I.D. <i>YBAC01</i>			
Date In <i>11/16</i>	Time In: <i>10:30</i> a.m. p.m.		
Date Out <i>12/16/10</i>	Time Out: <i>0949</i> a.m. p.m.		
Coupon # <i>22443</i>	Tracking # <i>02863</i>		
Serial #			
☐ Industrial ☐ ERM ☐ Preservation ☐ CIF			

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CCC # P72443

**ISA Class GX
SEVERE**

**Copper Corrosion
2922 Å/30 days**

**Silver Corrosion
2682 Å/30 days**

(see next page for complete analysis)

Summary for PURAFIL CCC # P72443

The electrolytic reduction analysis on Corrosion Classification Coupon # P72443 shows the presence of extremely high concentrations of contaminants and the possibility of high/variable humidity in the environment tested. The hydrogen sulfide level is expected to be in excess of 50 ppb, sulfur dioxide greater than 300 ppb, and chlorine greater than 10 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. Electronic/electrical equipment is not expected to survive in this environment due to corrosive attack.

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 Email: purafil@purafil.com / Internet: http://www.purafil.com

PURAFIL CCC # P72443 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
		Projections	
	30 Days	1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	157 Å	830 Å	2428 Å
Unknowns	2765 Å	14631 Å	42781 Å
Totals	2922 Å	15461 Å	45209 Å
Silver Films			
AgCl	29 Å	353 Å	1766 Å
Ag ₂ S	2610 Å	31772 Å	158859 Å
Unknowns	43 Å	523 Å	2614 Å
Totals	2682 Å	32648 Å	163239 Å
Note: 1000 Å = 0.1 micron			

Note: 1000 Å = 0.1 micron

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F i 2000 l m	Ag	Cu	ISA Class GX: SEVERE Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
T h 1500 i c k n e 1000 s s	Ag	Cu	ISA Class G3: HARSH High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
i n 500 Å 300	Ag	Cu	ISA Class G2: MODERATE Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
	Ag	Cu	
0	Ag	Cu	ISA Class G1: MILD Corrosion is not a factor in determining equipment reliability. (Cu <300)
	Ag	Cu	
	Ag	Cu	
	Silver (2682 Å)	Copper (2922Å)	

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA
Rolland Cooper State
Park-Background

Sales Order #: C002863

Room Area ID: YBBC01

CCC Panel #: P72425

Serial #:

Date In: 17-Nov-2010

Date Out: 16-Dec-2010

Days in Service : 29

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company: <u>US EPA</u>	
Address: <u>Rolland Cooper State Park - Background</u>	
Room/Area I.D.: <u>YBBC01</u>	
Date In: <u>11/17/10</u>	Time In: <u>9:10</u> a.m. p.m.
Date Out: <u>12/16/10</u>	Time Out: <u>10:24</u> a.m. p.m.
Coupon #: <u>72425</u>	Tracking #: <u>02863</u>
Serial #	

☐ Industrial
 ☐ ERM
 ☐ Preservation
 ☐ CIF

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2654 Weaver Way • Doraville, Georgia 30340
 Ph: (770) 662-8545 • (800) 222-6367
 Ex: (770) 263-6922 • www.purafil.com

CCC # P72425

ISA Class G2
MODERATE

Copper Corrosion
352 Å/30 days

Silver Corrosion
140 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72425

The electrolytic reduction analysis on Corrosion Classification Coupon # P72425 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Contact Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
770-662-8545 Chris_Moon@Purafil.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / Fax (770) 263-6922
 International / Purafil Europa BV / Aziesingel 30 / NL-3404 EL IJsselstein / The Netherlands
 Ph. 31 30 267 67 30 / Fax 31 30 267 60 80
 Email: purafil@purafil.com / Internet: http://www.purafil.com

PURAFIL CCC # P72425 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
	30 Days	Projections	
		1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	236 Å	540 Å	923 Å
Unknowns	116 Å	265 Å	453 Å
Totals	352 Å	805 Å	1376 Å
Silver Films			
AgCl	0 Å	0 Å	0 Å
Ag ₂ S	140 Å	1708 Å	8541 Å
Unknowns	0 Å	0 Å	0 Å
Totals	140 Å	1708 Å	8541 Å
Note: 1000 Å = 0.1 micron			

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F
i 2000
l
m

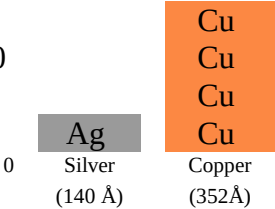
ISA Class GX: SEVERE
Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)

T
h 1500
i
c
k
n
e 1000
s
s

ISA Class G3: HARSH
High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)

i
n 500
Å 300

ISA Class G2: MODERATE
Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)



ISA Class G1: MILD
Corrosion is not a factor in determining equipment reliability. (Cu <300)

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

18-Jan-2011

Company: US-EPA
Blank

Sales Order #: C002863

Room Area ID: YBZC01

CCC Panel #: P72427

Serial #:

Date In: 16-Nov-2010

Date Out: 16-Dec-2010

Days in Service : 30

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company <i>US-EPA</i>	
Address <i>B/Blank</i>	
Room/Area I.D. <i>YBZ C01</i>	
Date In <i>11/16/10</i>	Time In: <i>1550</i> a.m. p.m.
Date Out <i>12/16/10</i>	Time Out: <i>1037</i> a.m. p.m.
Coupon # <i>P72427</i>	Tracking # <i>02863</i>
Serial #	

☐ Industrial
 ☐ ERM
 ☐ Preservation
 ☐ CIF

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 Ph: (770) 662-8545 • (800) 222-6367
 Fx: (770) 263-6922 • www.purafil.com

CCC # P72427

ISA Class G1
MILD

Copper Corrosion
131 Å/30 days

Silver Corrosion
75 Å/30 days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72427

The electrolytic reduction analysis on Corrosion Classification Coupon # P72427 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. Corrosion is not a factor in determining equipment reliability in this environment.

Your local representative for additional information and assistance is:

Contact Purafil, Inc./Chris Moon
 2654 Weaver Way, Doraville GA 30340, USA
 770-662-8545 Chris_Moon@Purafil.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / Fax (770) 263-6922
 International / Purafil Europa BV / Aziesingel 30 / NL-3404 EL IJsselstein / The Netherlands
 Ph. 31 30 267 67 30 / Fax 31 30 267 60 80
 Email: purafil@purafil.com / Internet: http://www.purafil.com

PURAFIL CCC # P72427 Analysis Results

Gold Coupon - Magnified 20x

Corrosion Film Composition			
	30 Days	Projections	
		1 Year	5 Year
Copper Films			
Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	131 Å	198 Å	259 Å
Unknowns	0 Å	0 Å	0 Å
Totals	131 Å	198 Å	259 Å
Silver Films			
AgCl	0 Å	0 Å	0 Å
Ag ₂ S	75 Å	911 Å	4555 Å
Unknowns	0 Å	0 Å	0 Å
Totals	75 Å	911 Å	4555 Å
Note: 1000 Å = 0.1 micron			

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

F
i 2000
l
m

ISA Class GX: SEVERE
Electronic/electrical equipment not expected to survive due to corrosive attack. (Cu >=2000)

T
h 1500
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e 1000
s
s

ISA Class G3: HARSH
High probability that corrosive attack will occur. Probable effect on equipment reliability in less than 5 years. (1000 <= Cu < 2000)

i
n 500

ISA Class G2: MODERATE
Effects of corrosion measurable and may be a factor in determining equipment reliability. Possible effects in less than 5 years. (300 <= Cu < 1000)

Å 300

ISA Class G1: MILD
Corrosion is not a factor in determining equipment reliability. (Cu <300)

	Ag	Cu
0	Silver	Copper
	(75 Å)	(131Å)

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
St. Lewis Church

Room/Area ID: YB1C02
Reference #:

Sales Order #: C002863
CCC Panel #: P72441
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

CCC Panel # P72441

ISA Class G1
Mild

Copper Corrosion
230 Å/30 Days

Silver Corrosion
491 Å/30 Days

(see next page for complete analysis)

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	USEPA SESD		
Address	St Lewis Church		
Room/Area ID	YB1C02		
Date In	1/24/11	Time In	4:22 a.m.
Date Out	1/28/11	Time Out	9:58 a.m.
Coupon #	P72441	Tracking #	02863
Serial #			

☐ Industrial ☐ FRM ☐ Preservation ☐ CIE

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Fax: (770) 263-6922 • www.purafil.com

Summary for PURAFIL CCC # P72441

The electrolytic reduction analysis on Corrosion Classification Coupon #P72441 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. During the test period, corrosion, as shown by the copper coupon, is not a factor in determining equipment reliability.

Please note: Copper's reactivity is sensitive to temperature and relative humidity and can therefore exhibit seasonal variation. For example, below 30% relative humidity (typical for heated indoor air in winter), copper readings will be dramatically reduced. However, silver's reactivity is not affected by temperature and relative humidity. Due to the elevated level of film growth on the silver coupon, corrosion may be a factor in determining equipment reliability; continued monitoring is recommended.

Your local representative for additional information and assistance is:

Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	230 Å	250 Å	327 Å
Unknowns	0 Å	0 Å	0 Å
Totals	230 Å	250 Å	327 Å

Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	491 Å	5979 Å	29893 Å
Unknowns	0 Å	0 Å	0 Å
Totals	491 Å	5979 Å	29893 Å

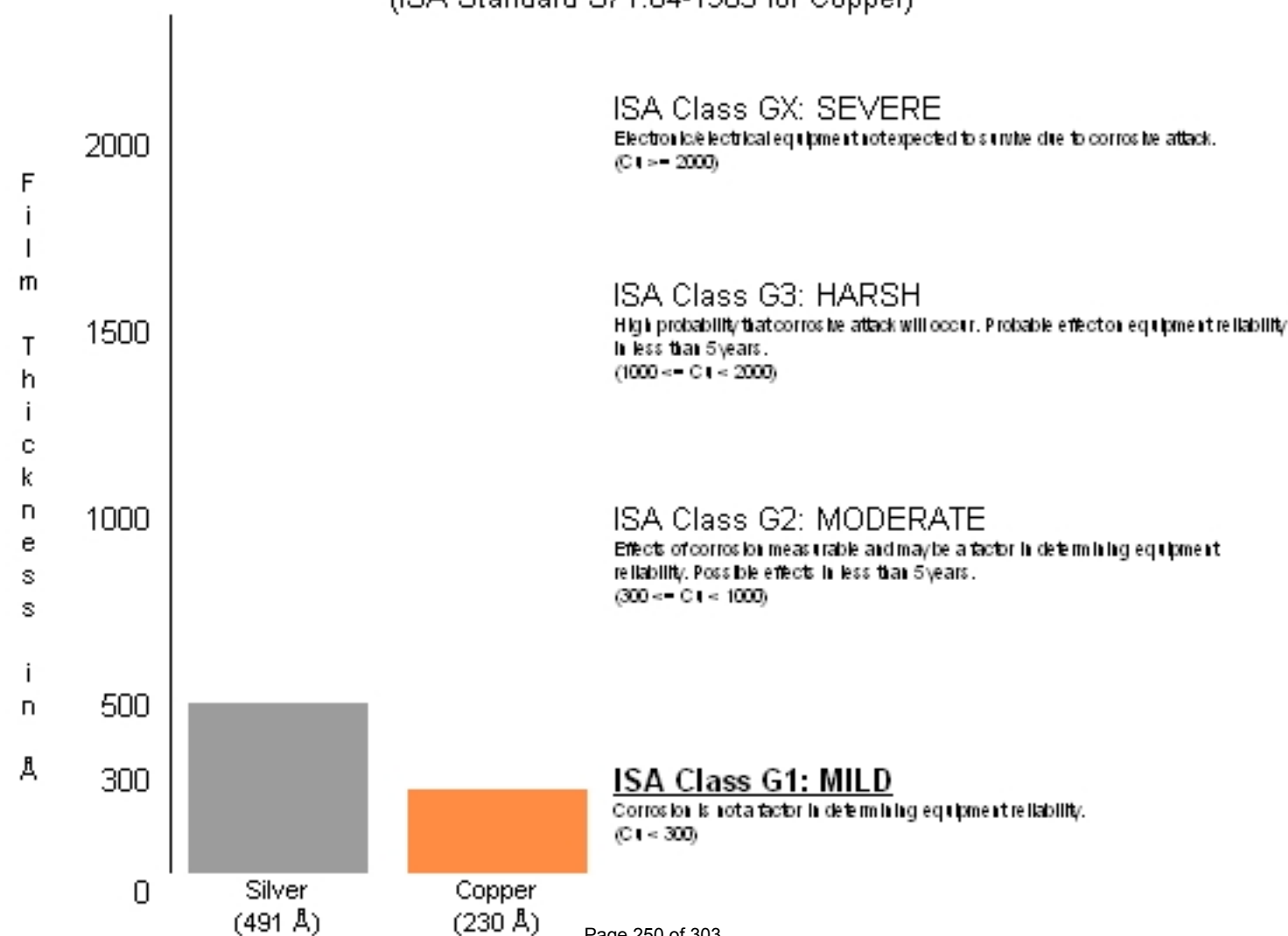
Gold Pore Corrosion:

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

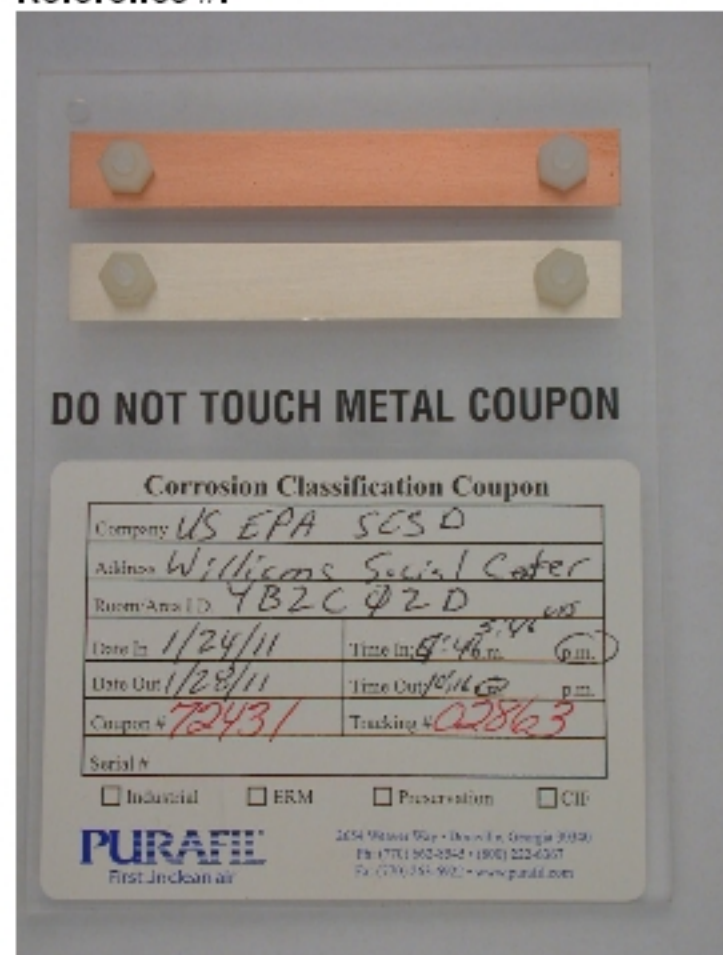
Company: US EPA SESD
William Social Center

Room/Area ID: YB2C02D
Reference #:

Sales Order #: C002863
CCC Panel #: P72431
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

CCC Panel # P72431

ISA Class G1
Mild



Copper Corrosion
299 Å/30 Days

Silver Corrosion
659 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P72431

The electrolytic reduction analysis on Corrosion Classification Coupon #P72431 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. During the test period, corrosion, as shown by the copper coupon, is not a factor in determining equipment reliability.

Please note: Copper's reactivity is sensitive to temperature and relative humidity and can therefore exhibit seasonal variation. For example, below 30% relative humidity (typical for heated indoor air in winter), copper readings will be dramatically reduced. However, silver's reactivity is not affected by temperature and relative humidity. Due to the elevated level of film growth on the silver coupon, corrosion may be a factor in determining equipment reliability; continued monitoring is recommended.

Your local representative for additional information and assistance is:

Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	230 Å	250 Å	327 Å
Unknowns	69 Å	75 Å	98 Å
Totals	299 Å	325 Å	425 Å

Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	659 Å	8028 Å	40142 Å
Unknowns	0 Å	0 Å	0 Å
Totals	659 Å	8028 Å	40142 Å

Gold Pore Corrosion:

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
Williams Social Center

Room/Area ID: YB2C 092W
Reference #:

Sales Order #: C002863
CCC Panel #: P72430
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

CCC Panel # P72430

ISA Class G2
Moderate

Copper Corrosion
842 Å/30 Days

Silver Corrosion
719 Å/30 Days

(see next page for complete analysis)



Summary for PURAFIL CCC # P72430

The electrolytic reduction analysis on Corrosion Classification Coupon #P72430 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	375 Å	616 Å	1053 Å
Cu ₂ O	170 Å	280 Å	478 Å
Unknowns	297 Å	488 Å	835 Å
Totals	842 Å	1384 Å	2366 Å

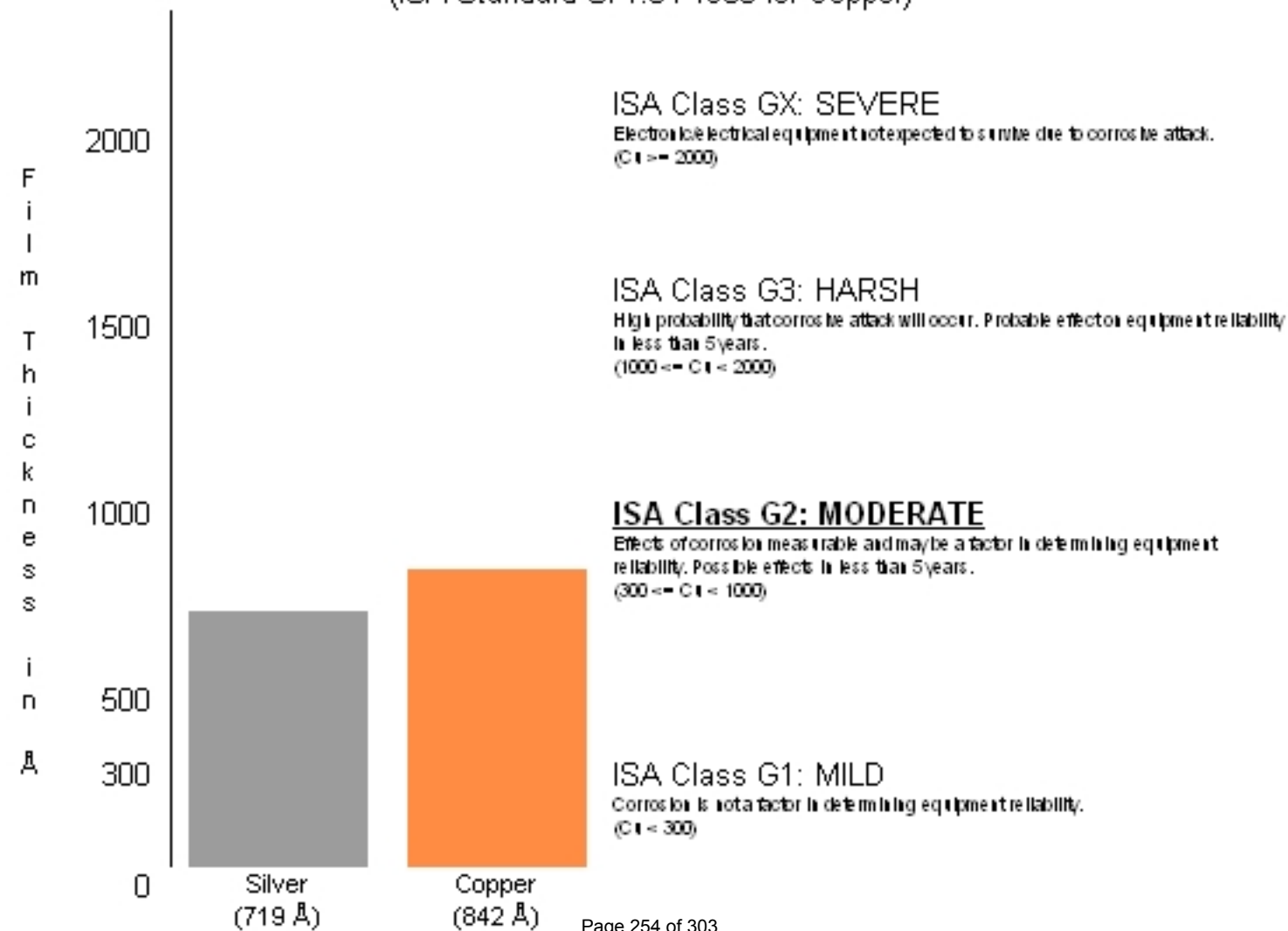
Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	719 Å	8754 Å	43772 Å
Unknowns	0 Å	0 Å	0 Å
Totals	719 Å	8754 Å	43772 Å

Gold Pore Corrosion:
Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation (ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
Mt. Pleasant Miss Church

Room/Area ID: YB4C02
Reference #:

Sales Order #: C002863
CCC Panel #: P72426
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

CCC Panel # P72426

ISA Class G1
Mild

Copper Corrosion
147 Å/30 Days

Silver Corrosion
631 Å/30 Days

(see next page for complete analysis)



Summary for PURAFIL CCC # P72426

The electrolytic reduction analysis on Corrosion Classification Coupon #P72426 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. During the test period, corrosion, as shown by the copper coupon, is not a factor in determining equipment reliability.

Please note: Copper's reactivity is sensitive to temperature and relative humidity and can therefore exhibit seasonal variation. For example, below 30% relative humidity (typical for heated indoor air in winter), copper readings will be dramatically reduced. However, silver's reactivity is not affected by temperature and relative humidity. Due to the elevated level of film growth on the silver coupon, corrosion may be a factor in determining equipment reliability; continued monitoring is recommended.

Your local representative for additional information and assistance is:

Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	147 Å	160 Å	209 Å
Unknowns	0 Å	0 Å	0 Å
Totals	147 Å	160 Å	209 Å

Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	631 Å	7687 Å	38434 Å
Unknowns	0 Å	0 Å	0 Å
Totals	631 Å	7687 Å	38434 Å

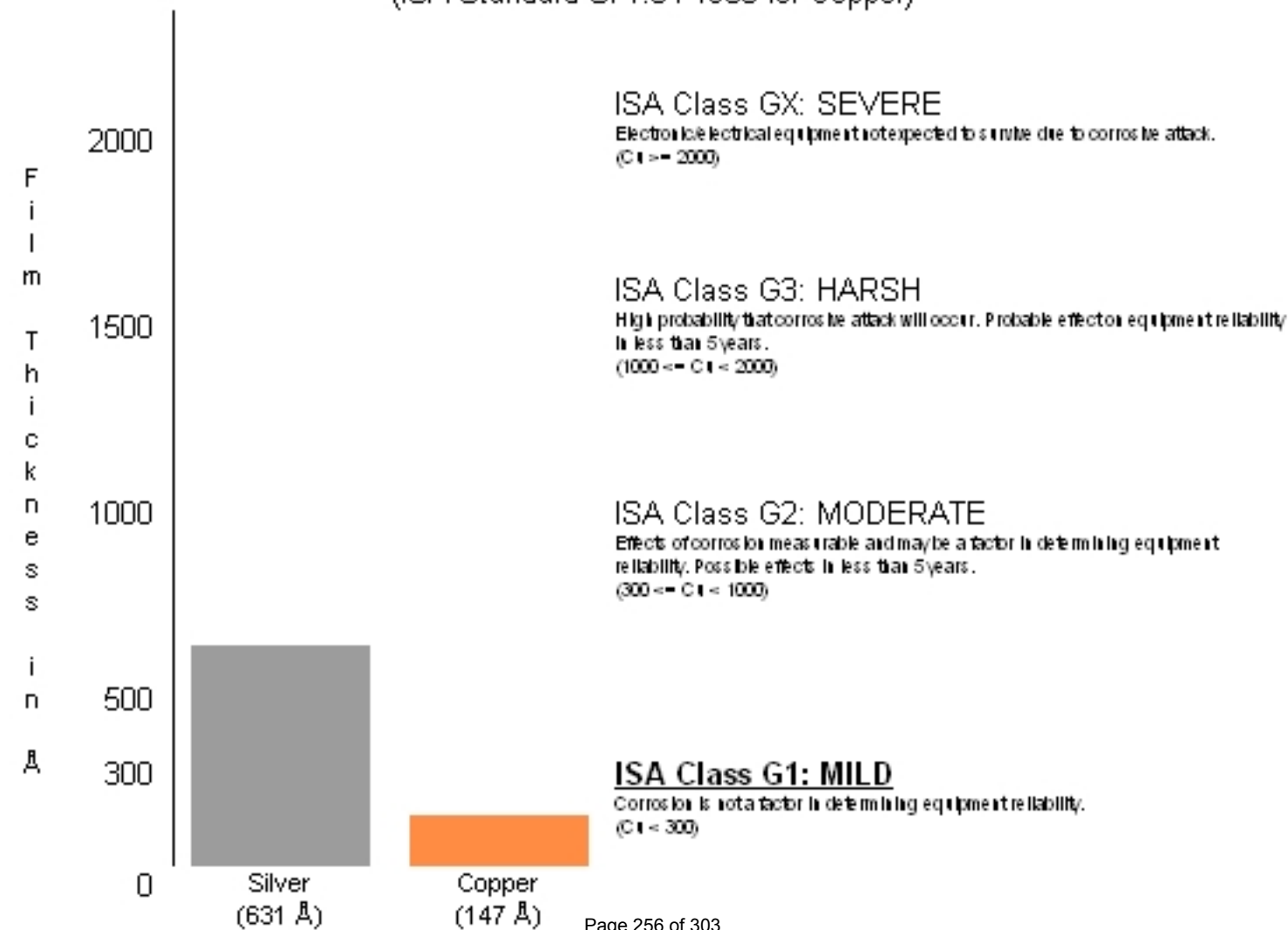
Gold Pore Corrosion:

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
Greater Faith

Room/Area ID: YB6C 02
Reference #:

Sales Order #: C002863
CCC Panel #: P72439
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

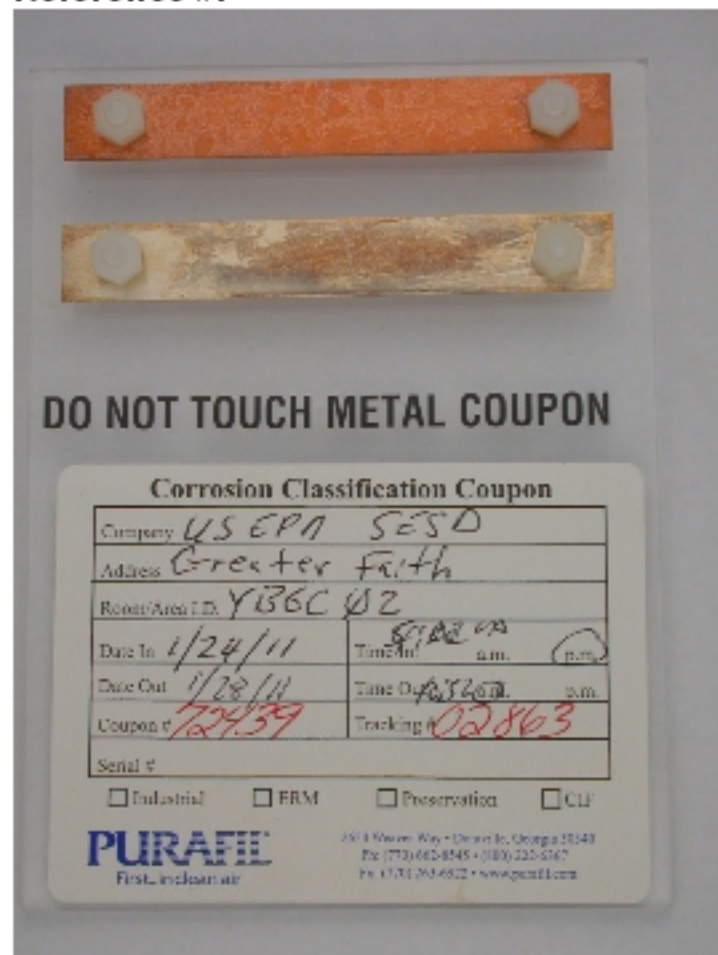
CCC Panel # P72439

ISA Class G3
Harsh

Copper Corrosion
1607 Å/30 Days

Silver Corrosion
2588 Å/30 Days

(see next page for complete analysis)



Summary for PURAFIL CCC # P72439

The electrolytic reduction analysis on Corrosion Classification Coupon #P72439 shows the presence of high concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 10 and 50 ppb and the sulfur dioxide level between 100 and 300 ppb. There is a high probability that equipment reliability will be adversely affected by corrosive attack.

Your local representative for additional information and assistance is:

Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	716 Å	2499 Å	5587 Å
Unknowns	891 Å	3108 Å	6950 Å
Totals	1607 Å	5607 Å	12537 Å

Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	2105 Å	25622 Å	128112 Å
Unknowns	483 Å	5882 Å	29408 Å
Totals	2588 Å	31504 Å	157520 Å

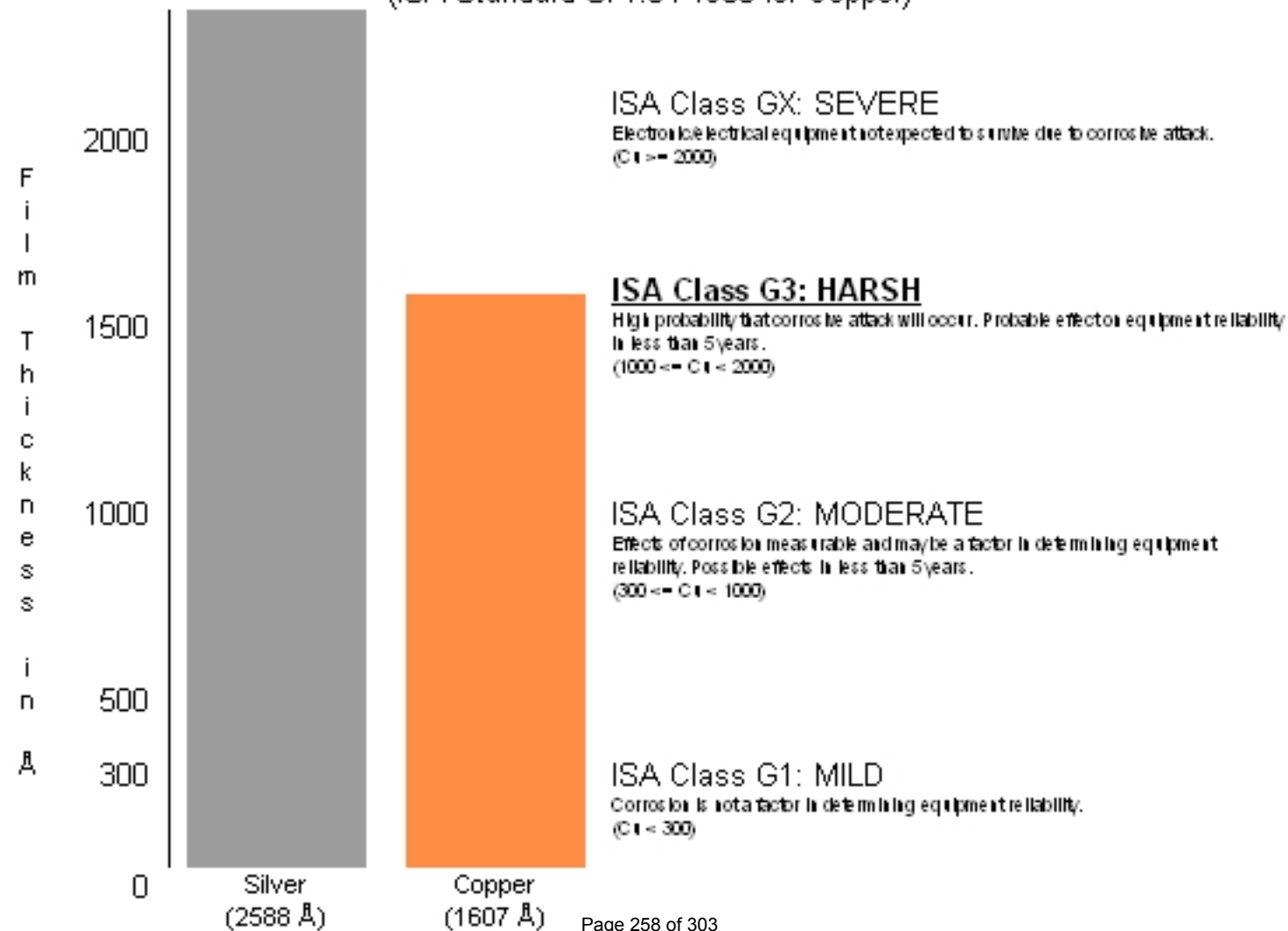
Gold Pore Corrosion:

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
Yellow Bluff Health Ctr / Powell Residence

Room/Area ID: YB7C02
Reference #:

Sales Order #: C002863
CCC Panel #: P72428
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

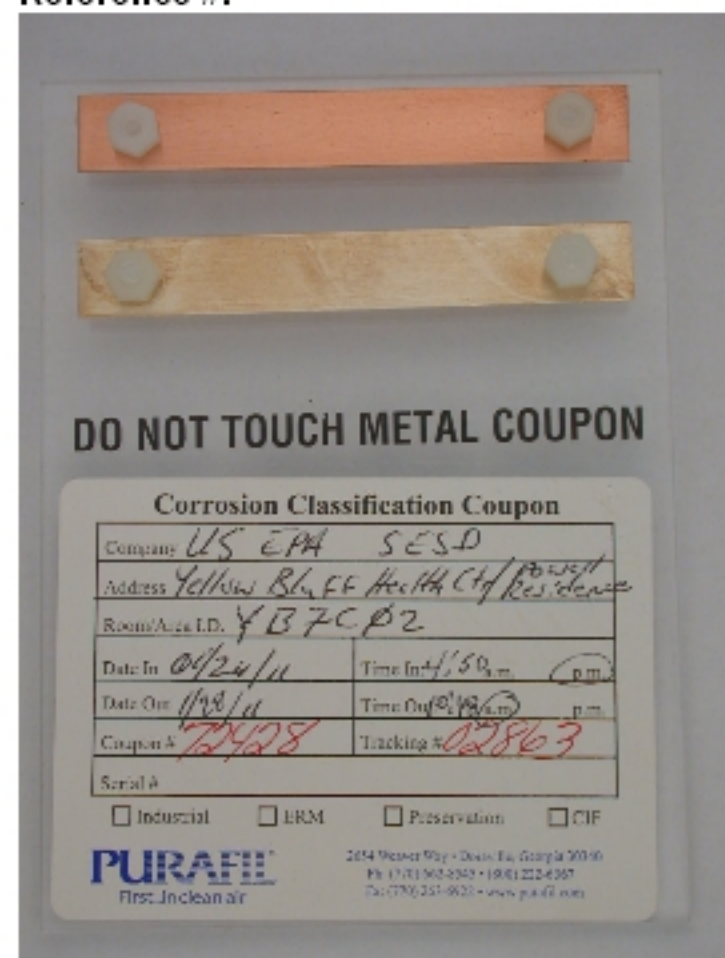
CCC Panel # P72428

ISA Class G2
Moderate

Copper Corrosion
364 Å/30 Days

Silver Corrosion
1193 Å/30 Days

(see next page for complete analysis)



Summary for PURAFIL CCC # P72428

The electrolytic reduction analysis on Corrosion Classification Coupon #P72428 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	173 Å	187 Å	245 Å
Unknowns	191 Å	207 Å	271 Å
Totals	364 Å	394 Å	516 Å

Silver Films

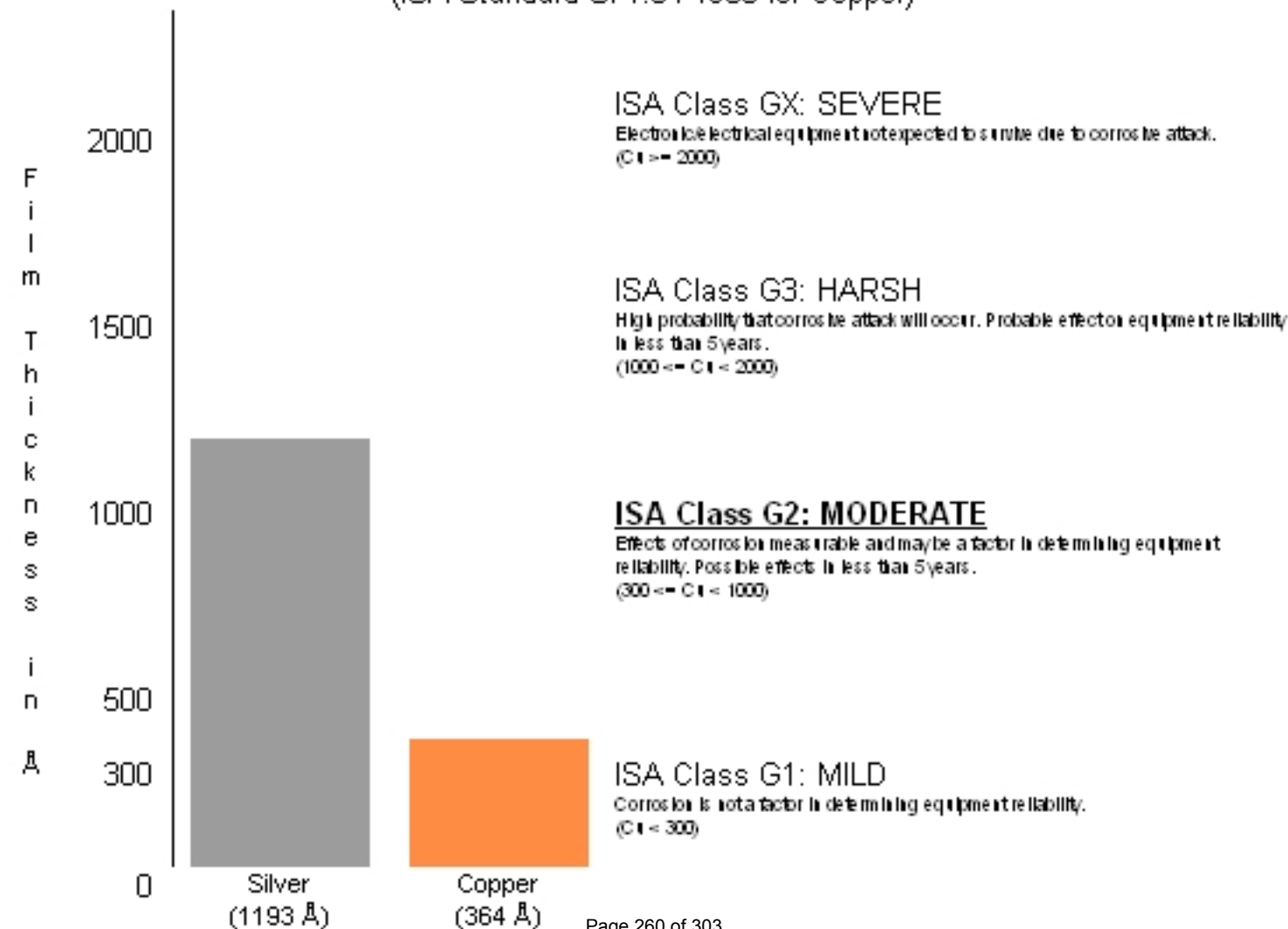
AgCl	0 Å	0 Å	0 Å
Ag ₂ S	1193 Å	14519 Å	72597 Å
Unknowns	0 Å	0 Å	0 Å
Totals	1193 Å	14519 Å	72597 Å

Gold Pore Corrosion:
Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
Yellow Bluff Health Ctr / Powell Residence

Room/Area ID: YB7C092
Reference #:

Sales Order #: C002863
CCC Panel #: P72429
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

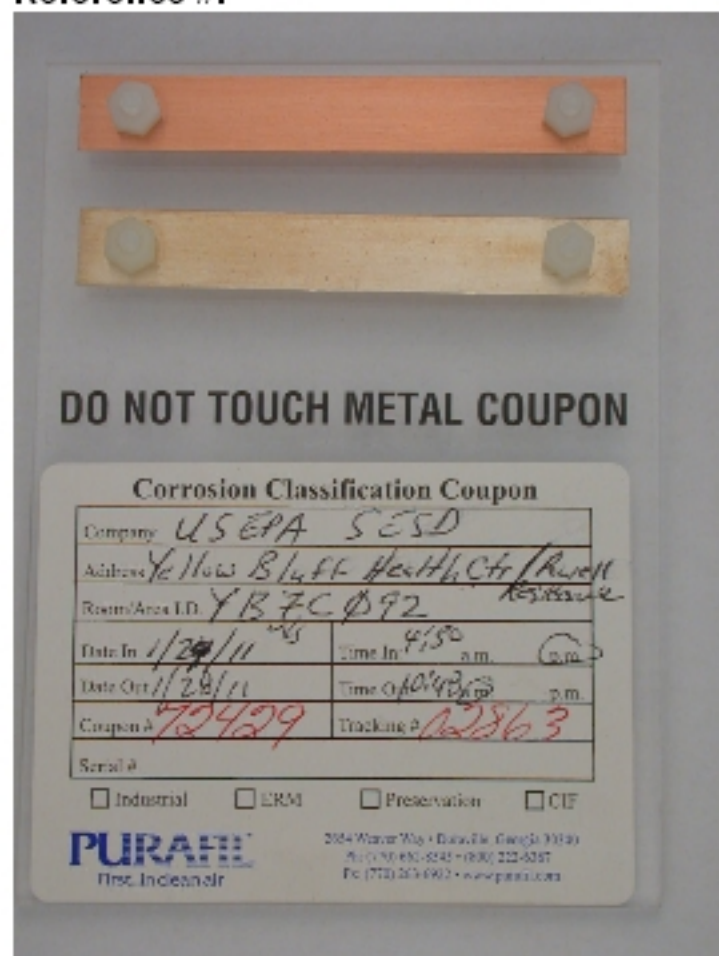
CCC Panel # P72429

ISA Class G2
Moderate

Copper Corrosion
306 Å/30 Days

Silver Corrosion
842 Å/30 Days

(see next page for complete analysis)



Summary for PURAFIL CCC # P72429

The electrolytic reduction analysis on Corrosion Classification Coupon #P72429 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:
Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	179 Å	194 Å	254 Å
Unknowns	127 Å	138 Å	181 Å
Totals	306 Å	332 Å	435 Å

Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	842 Å	10249 Å	51245 Å
Unknowns	0 Å	0 Å	0 Å
Totals	842 Å	10249 Å	51245 Å

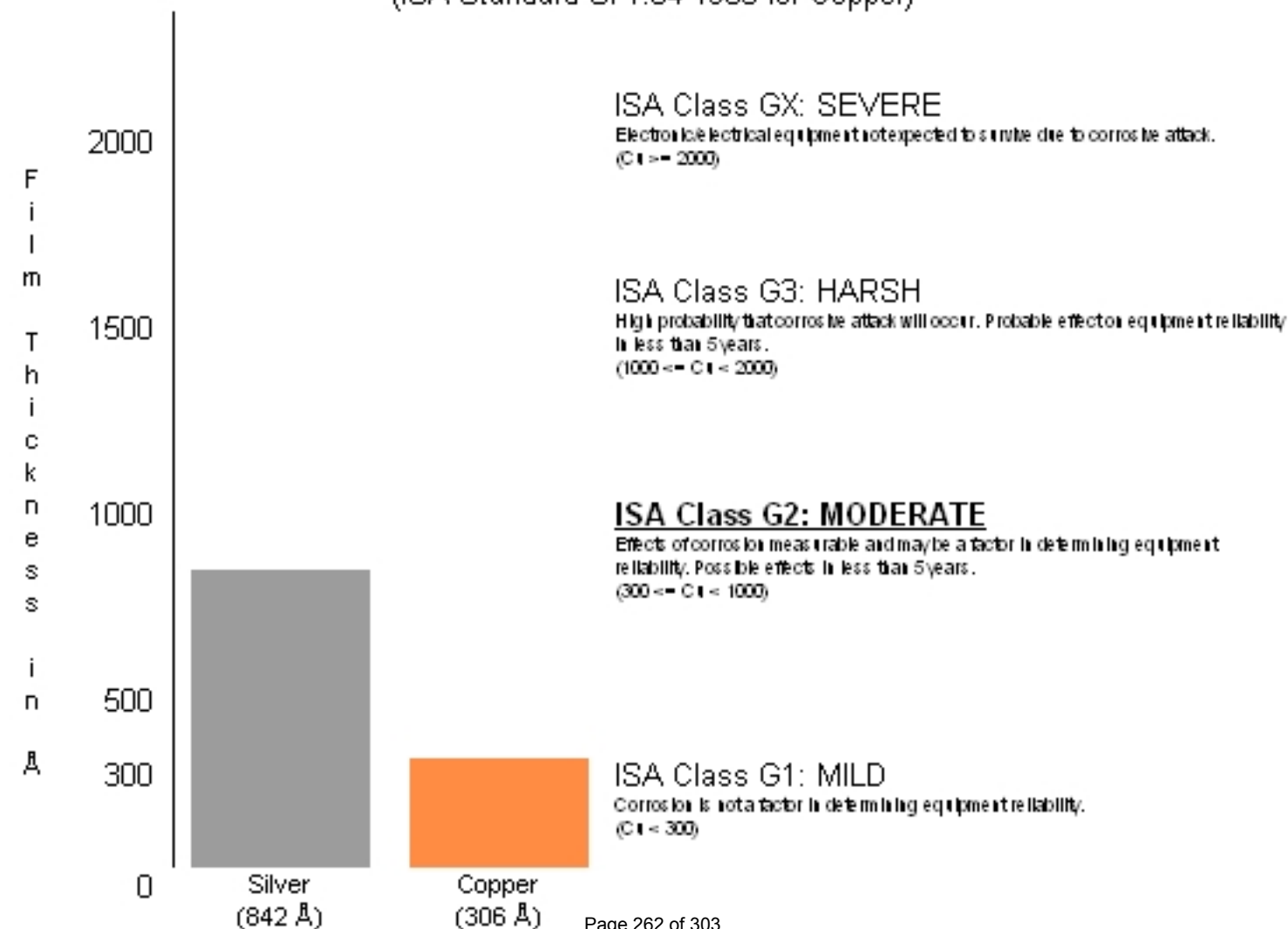
Gold Pore Corrosion:

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
Yellow Bluff Town Hall

Room/Area ID: YBAC02

Reference #:

Sales Order #: C002863

CCC Panel #: P72434

Date In: 24-Jan-2011

Date Out: 28-Jan-2011

Days In Service: 4

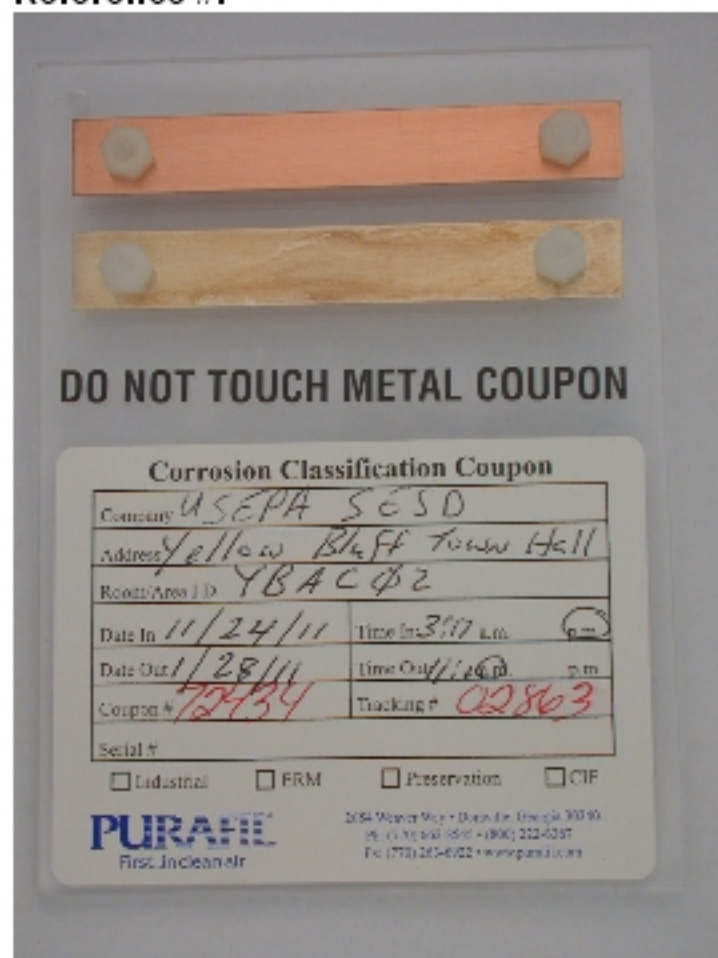
CCC Panel # P72434

ISA Class G2
Moderate

Copper Corrosion
388 A/30 Days

Silver Corrosion
1228 A/30 Days

(see next page for complete analysis)



Summary for PURAFIL CCC # P72434

The electrolytic reduction analysis on Corrosion Classification Coupon #P72434 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:
Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	218 Å	236 Å	308 Å
Unknowns	170 Å	184 Å	241 Å
Totals	388 Å	420 Å	549 Å

Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	1228 Å	14946 Å	74732 Å
Unknowns	0 Å	0 Å	0 Å
Totals	1228 Å	14946 Å	74732 Å

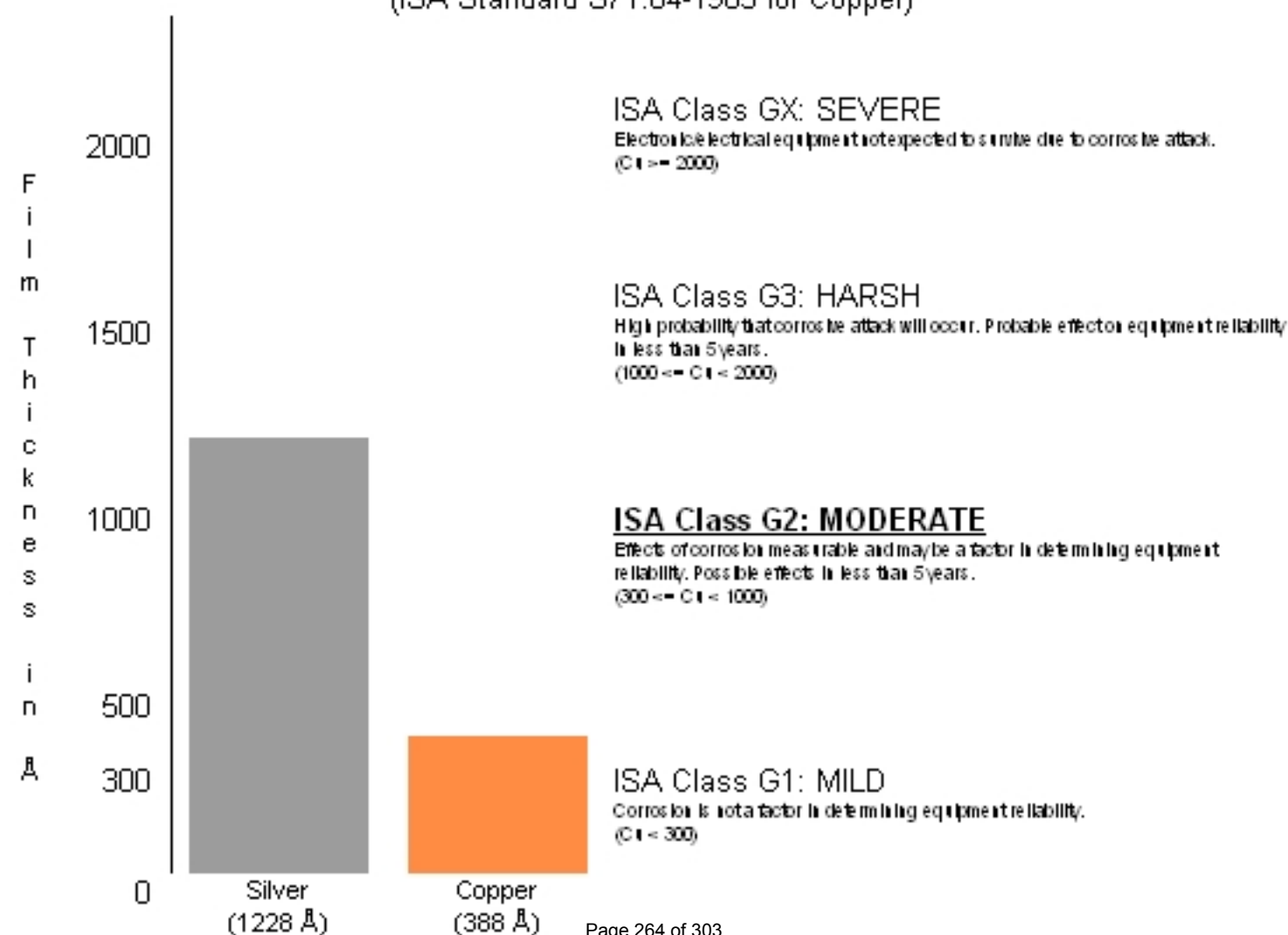
Gold Pore Corrosion:

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
Roland Copper State Park

Room/Area ID: YBBC02
Reference #:

Sales Order #: C002863
CCC Panel #: P72433
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

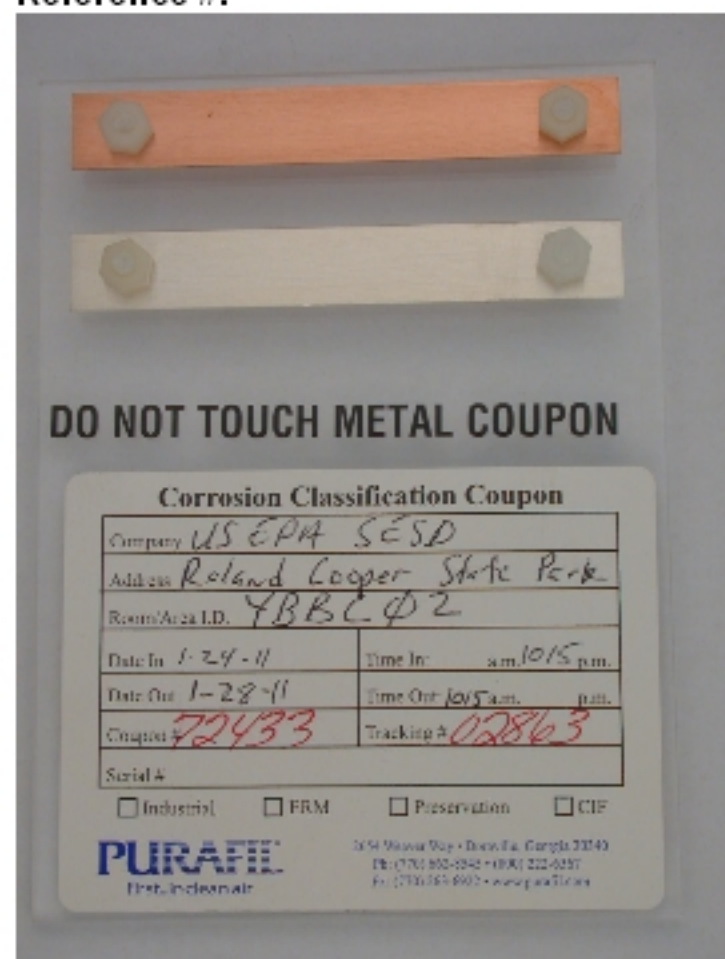
CCC Panel # P72433

ISA Class G1
Mild

Copper Corrosion
230 Å/30 Days

Silver Corrosion
631 Å/30 Days

(see next page for complete analysis)



Summary for PURAFIL CCC # P72433

The electrolytic reduction analysis on Corrosion Classification Coupon #P72433 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. During the test period, corrosion, as shown by the copper coupon, is not a factor in determining equipment reliability.

Please note: Copper's reactivity is sensitive to temperature and relative humidity and can therefore exhibit seasonal variation. For example, below 30% relative humidity (typical for heated indoor air in winter), copper readings will be dramatically reduced. However, silver's reactivity is not affected by temperature and relative humidity. Due to the elevated level of film growth on the silver coupon, corrosion may be a factor in determining equipment reliability; continued monitoring is recommended.

Your local representative for additional information and assistance is:

Purafil, Inc./Chris Moon
2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	230 Å	250 Å	327 Å
Unknowns	0 Å	0 Å	0 Å
Totals	230 Å	250 Å	327 Å

Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	631 Å	7687 Å	38434 Å
Unknowns	0 Å	0 Å	0 Å
Totals	631 Å	7687 Å	38434 Å

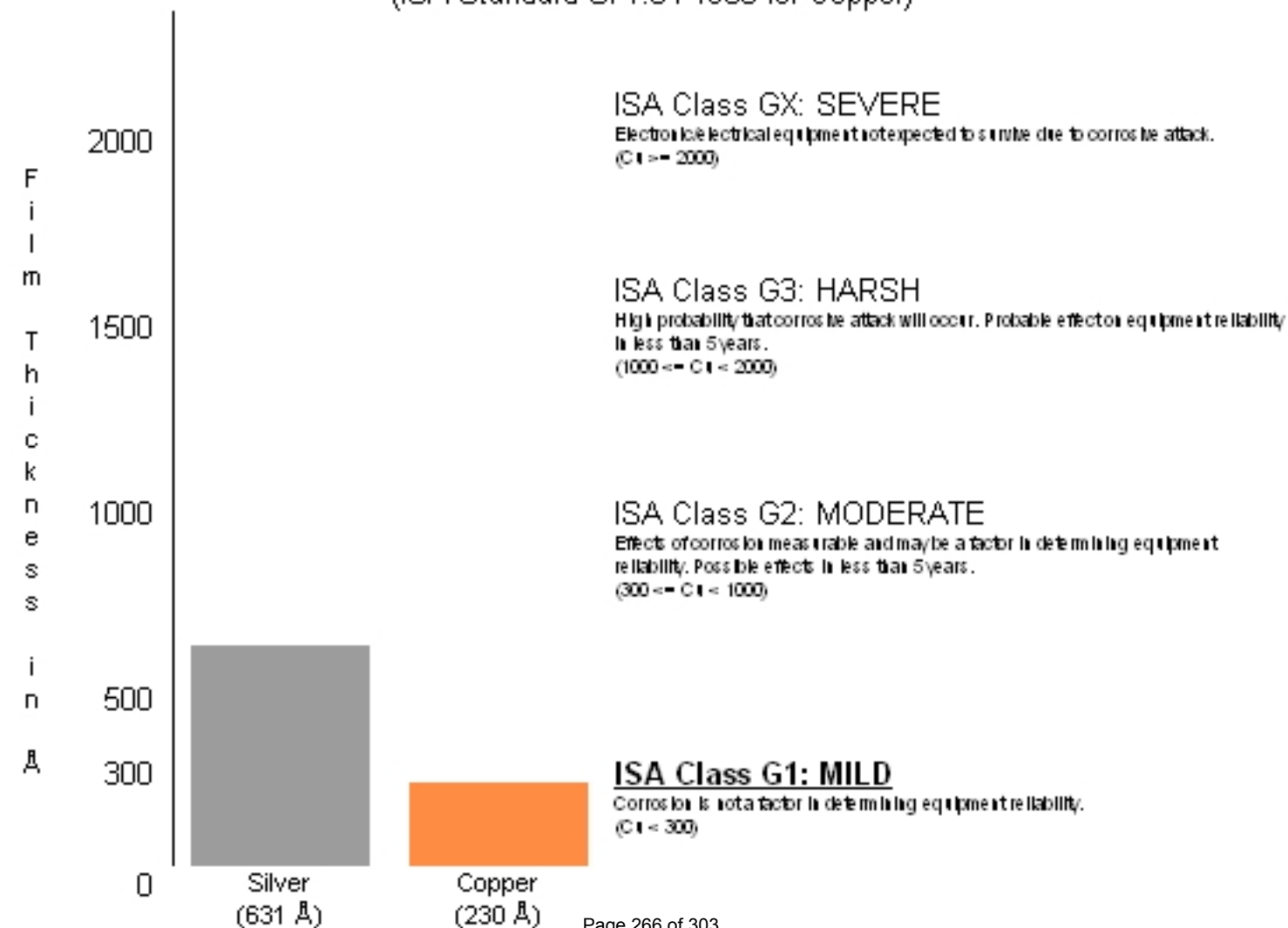
Gold Pore Corrosion:

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

SESD Project # 11-0068

10-Feb-2011

Company: US EPA SESD
Blank

Room/Area ID: YBEC02

Reference #:

Sales Order #: C002863
CCC Panel #: P72437
Date In: 24-Jan-2011
Date Out: 28-Jan-2011
Days In Service: 4

CCC Panel # P72437

ISA Class G2
Moderate

Copper Corrosion
300 Å/30 Days

Silver Corrosion
421 Å/30 Days

(see next page for complete analysis)



Summary for PURAFIL CCC # P72437

The electrolytic reduction analysis on Corrosion Classification Coupon #P72437 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. During the test period, corrosion, as shown by the copper coupon, is not a factor in determining equipment reliability.

Please note: Copper's reactivity is sensitive to temperature and relative humidity and can therefore exhibit seasonal variation. For example, below 30% relative humidity (typical for heated indoor air in winter), copper readings will be dramatically reduced. However, silver's reactivity is not affected by temperature and relative humidity. Due to the elevated level of film growth on the silver coupon, corrosion may be a factor in determining equipment reliability; continued monitoring is recommended.

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2654 Weaver Way, Doraville GA 30340, USA
Chris_Moon@Purafil.com 770-662-8545

Corrosion Film Composition

Projections

30 Days

1 Year

5 Year

Copper Films

Cu ₂ S	0 Å	0 Å	0 Å
Cu ₂ O	77 Å	83 Å	109 Å
Unknowns	223 Å	242 Å	316 Å
Totals	300 Å	325 Å	425 Å

Silver Films

AgCl	0 Å	0 Å	0 Å
Ag ₂ S	421 Å	5124 Å	25622 Å
Unknowns	0 Å	0 Å	0 Å
Totals	421 Å	5124 Å	25622 Å

Gold Pore Corrosion:

Note: 1000 Å = 0.1 micron

Gold Coupon - Magnified 20x

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



Appendix I - Yellow Bluff Human Health Risk Analysis

Yellow Bluff Human Health Risk Analysis

1. Introduction

The U.S. Environmental Protection Agency (EPA) disseminates dose-response assessment information in several forms, based on the level of review. Dose-response assessments that have achieved full intra-agency consensus are incorporated in the Integrated Risk Information System (IRIS). The Office of Air Quality Planning and Standards (OAQPS) identifies dose-response assessment information for chronic and acute exposures from various sources and prioritizes the toxicity information according to (1) conceptual consistency with EPA risk assessment guidelines and (2) the level of review received. OAQPS revises this information, which is specific to Hazardous Air Pollutants (HAPs), regularly to keep it as current as possible and provides the resulting tabular list of chronic toxicity information (Tables 1) and acute comparison levels (Table 2) at <http://www.epa.gov/ttn/atw/toxsource/summary.html>.

EPA has developed chronic exposure inhalation dose-response assessments for many hazardous air pollutants (HAPs). These assessments typically specify an inhalation unit risk (IUR) to estimate the probability of contracting cancer and a reference concentration (RfC) to protect against effects other than cancer. The chronic toxicity information is provided in Table 1.

The OAQPS's Table 2 contains comparison levels for acute human health effects. Of relevance to this assessment are the Agency for Toxic Substances and Disease Registry's (ATSDR's) acute minimum risk levels (MRLs) (protective of 1-14-day exposures without adverse effects) and EPA's acute exposure guideline levels-1 [AEGL-1 (1- & 8-hr) these 1- and 8-hr acute exposure guideline levels are for mild effects]. AEGL-1 (1 & 8-hr) are airborne concentrations of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic non-sensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure. These predictive no-effect (MRLs) and effect (AEGLs) concentrations are comparable to continuous/short term (1- and 8-hour as well as 1-14-day) sampling results.

In addition to chronic and acute levels for HAPS, EPA has standards for some pollutants as part of the EPA's National Ambient Air Quality Standards (NAAQS) program, located at <http://epa.gov/air/criteria.html>. The Clean Air Act requires EPA to set NAAQS (40 CFR Part 50) for pollutants considered harmful to public health and the environment. The Clean Air Act established two types of NAAQS. Primary standards are set to protect public health, including the health of "sensitive" populations such as asthmatics, children, and the elderly. Secondary standards are limits to protect public welfare, including protection against decreased visibility, damage to animals, crops, vegetation, and buildings. OAQPS has set NAAQS for six principal or "criteria" pollutants, including carbon monoxide, lead, nitrogen dioxide, particulate matter (2.5 and 10 micron diameters), ozone, and sulfur dioxide.

2. Risk Screening Comparisons Approach

In accordance with current guidance as outlined in the Air Toxics Risk Assessment Reference Library (http://www.epa.gov/ttn/fera/risk_atra_main.html), the risk screening approach used in this study compares the 1-hr and 24-hr sampling data from Yellow Bluff to available acute dose-response values based on similar potential exposure durations outlined above. That is, the Hydrogen sulfide (H₂S) 1-hr sampling data are compared to both AEGL-1 (1-hr and 8-hr) and

MRLs. For sulfur dioxide (SO₂) 1-hr sampling data, its NAAQS is used for comparison while noting that there are no other acute screening concentrations available. Similarly, both MRLs and AEGL-1 (8-hr) values are used for volatile organic compounds (VOCs) and aldehyde sampling data. Specifically, the 1-hour NAAQS for SO₂ (75 parts per billion (ppb) or 196.5 micro grams per cubic meter (ug/m³)) was selected for comparison to SO₂ concentrations. The MRL (98 ug/m³) and AEGL-1 [1-hr (710 ug/m³) and 8-hr (460 ug/m³)] were selected for comparison to H₂S sampling data. Quotients are computed by dividing the acute screening levels or NAAQS standards into the sampling concentrations for the compound. A quotient of unity (1) or above would indicate potential acute health effects. It is important to note that chronic dose-response levels cannot be used for comparison in this study because they represent a lifetime exposure. The Yellow Bluff samples were collected over a period of a few days only. Chronic analyses require at least a year's worth of sampling data to reflect chronic exposure and therefore potential chronic health impacts.

3. Risk Screening Comparisons Results

Table 1a lists the concentration comparisons by date/hour for SO₂ and H₂S. The hourly SO₂ comparison did not identify concentrations above the annual NAAQS screening level. Similarly, the H₂S concentrations did not exceed any of the selected screening standards. Overall, even the average and maximum concentrations for each chemical at each location did not exceed a quotient of 1 when compared to the screening levels.

The data in Table 1b reflect the 24-hour maximum concentration comparison for H₂S and SO₂. Similar to the 1-hour data, the daily maximum concentrations did not exceed the MRL or the AEGL-1 (8-hr) screening levels. The maximum as well as the average concentrations per chemical/location were less than the screening levels as indicated by a quotient of less than 1. Data in this study were collected over 3 days only.

Table 2 presents results for aldehyde comparisons and none of the 24-hour concentrations exceeded their respective screening concentrations. The screening quotients were below unity (1) in all instances as were the sum of the screening quotients. This was true for the Town Hall as well as the Background location.

Results of the VOCs risk screening analyses are shown in Table 3. Again, none of the 1-day sample concentrations exceeded either screening level. The screening quotients were below unity (1) as were the sums of the screening quotients.

Summary

An acute human risk analysis was conducted for one-hour and 24-hour concentration data of H₂S, SO₂, VOCs and aldehydes. The samples were collected from Yellow Bluff at two locations including the Town Hall and a background location over a 5-day period in January 2011. In addition to the 4 pollutants, potassium, sodium, NH₄, and NO₃ data were collected. The latter were not part of the risk analysis because acute screening dose response concentrations were not available.

Attachments

Table 1a: Hourly Reactive Gas Acute Screening Comparison for H₂S

		PRIMARY SITE Yellow Bluff Town Hall STATION ID: YBA						BACKGROUND SITE Roland Cooper Park STATION ID: YBB					
Date	Hr	SO ₂ (ug/m ³)	NAAQS Screening Quotient (196.5 ug/m ³)	H ₂ S (ug/m ³)	MRL Screening Quotient (98 ug/m ³)	AEGL-1 (1-hr) Screening Quotient (710 ug/m ³)	AEGL-1 (8-hr) Screening Quotient (460 ug/m ³)	SO ₂ (ug/m ³)	NAAQS Screening Quotient (196.5 ug/m ³)	H ₂ S (ug/m ³)	MRL Screening Quotient (98 ug/m ³)	AEGL-1 (1-hr) Screening Quotient (710 ug/m ³)	AEGL-1 (8-hr) Screening Quotient (460 ug/m ³)
1/24/2011	12	0.00											
1/24/2011	13	0.00						1.57	0.008	0.14	0.0014	0.0002	0.0003
1/24/2011	14	0.00						1.57	0.008	0.14	0.0014	0.0002	0.0003
1/24/2011	15	0.00						1.57	0.008	0.14	0.0014	0.0002	0.0003
1/24/2011	16	0.00						1.31	0.007	0.14	0.0014	0.0002	0.0003
1/24/2011	17	0.00						1.31	0.007	0.14	0.0014	0.0002	0.0003
1/24/2011	18							1.05	0.005	0.00			
1/24/2011	19	-0.84						1.05	0.005	0.14	0.0014	0.0002	0.0003
1/24/2011	20	-1.21						0.52	0.003	0.28	0.0029	0.0004	0.0006
1/24/2011	21	-1.21						0.79	0.004	0.00			
1/24/2011	22	-1.02						1.31	0.007	0.14	0.0014	0.0002	0.0003
1/24/2011	23	-1.26						1.31	0.007	0.14	0.0014	0.0002	0.0003
1/25/2011	0	-1.99						0.52	0.003	0.14	0.0014	0.0002	0.0003
1/25/2011	1	-2.28		0.27	0.0027	0.0004	0.0006	0.26	0.001	0.00			
1/25/2011	2	-2.02		0.84	0.0086	0.0012	0.0018	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	3	-1.76						0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	4	-2.02						0.79	0.004	0.14	0.0014	0.0002	0.0003
1/25/2011	5	-0.84						1.05	0.005	0.00			
1/25/2011	6	-1.44						0.52	0.003	0.00			
1/25/2011	7	-1.89						0.00		0.00			

1/25/2011	8	-2.23						0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	9	-2.41						0.00		0.00			
1/25/2011	10	-1.70						0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	11	-1.97		0.03	0.0003	0.0000	0.0001	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	12	-2.33						0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	13	-2.54		3.93	0.0401	0.0055	0.0086	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	14	-1.86		2.24	0.0229	0.0032	0.0049	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	15	-2.23		0.56	0.0057	0.0008	0.0012	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	16	-2.12		3.26	0.0333	0.0046	0.0071	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	17	-1.76		13.87	0.1416	0.0195	0.0302	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	18	-1.86		16.28	0.1661	0.0229	0.0354	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	19	-0.84		14.73	0.1503	0.0207	0.0320	0.00		0.14	0.0014	0.0002	0.0003
1/25/2011	20	3.20	0.02	9.84	0.1004	0.0139	0.0214	0.00		1.40	0.0143	0.0020	0.0030
1/25/2011	21	0.31	0.00	10.33	0.1054	0.0146	0.0225	0.26	0.001	0.42	0.0043	0.0006	0.0009
1/25/2011	22	1.00	0.01	10.60	0.1081	0.0149	0.0230	0.52	0.003	0.42	0.0043	0.0006	0.0009
1/25/2011	23	0.92	0.00	10.02	0.1023	0.0141	0.0218	0.79	0.004	0.42	0.0043	0.0006	0.0009
1/26/2011	0	4.06	0.02	5.89	0.0601	0.0083	0.0128	0.52	0.003	0.42	0.0043	0.0006	0.0009
1/26/2011	1	3.80	0.02	7.38	0.0753	0.0104	0.0160	0.00		0.28	0.0029	0.0004	0.0006
1/26/2011	2	7.26	0.04	10.50	0.1071	0.0148	0.0228	0.00		0.42	0.0043	0.0006	0.0009
1/26/2011	3	13.28	0.07	6.03	0.0616	0.0085	0.0131	0.00		0.42	0.0043	0.0006	0.0009
1/26/2011	4	13.39	0.07	5.45	0.0556	0.0077	0.0118	0.26	0.001	0.28	0.0029	0.0004	0.0006
1/26/2011	5	4.19	0.02	12.87	0.1313	0.0181	0.0280	1.05	0.005	0.14	0.0014	0.0002	0.0003
1/26/2011	6	1.10	0.01	14.35	0.1464	0.0202	0.0312	1.31	0.007	0.14	0.0014	0.0002	0.0003
1/26/2011	7	0.86	0.00	15.05	0.1536	0.0212	0.0327	2.10	0.011	0.00			
1/26/2011	8	0.00		21.39	0.2183	0.0301	0.0465	1.83	0.009	0.00			
1/26/2011	9	-1.15		8.68	0.0886	0.0122	0.0189	0.26	0.001	0.28	0.0029	0.0004	0.0006
1/26/2011	10	-1.55		8.55	0.0873	0.0120	0.0186	8.65	0.044	0.14	0.0014	0.0002	0.0003
1/26/2011	11	-0.79		9.14	0.0933	0.0129	0.0199						
1/26/2011	12	2.65	0.01	9.38	0.0957	0.0132	0.0204						
1/26/2011	13	8.02	0.04	3.99	0.0407	0.0056	0.0087	0.00		0.42	0.0043	0.0006	0.0009

1/26/2011	14	16.45	0.08	4.51	0.0460	0.0063	0.0098	0.00		0.14	0.0014	0.0002	0.0003
1/26/2011	15	2.96	0.02	4.91	0.0501	0.0069	0.0107	1.05	0.005	-0.14			
1/26/2011	16							1.31	0.007	0.14	0.0014	0.0002	0.0003
1/26/2011	17							1.31	0.007	0.00			
1/26/2011	18							1.05	0.005	0.14	0.0014	0.0002	0.0003
1/26/2011	19	-0.50		25.45	0.2597	0.0358	0.0553	0.26	0.001	0.00			
1/26/2011	20	-1.55		11.96	0.1220	0.0168	0.0260	0.00		0.00			
1/26/2011	21	-1.78		24.15	0.2464	0.0340	0.0525	0.00		0.00			
1/26/2011	22	-2.28		5.73	0.0584	0.0081	0.0124	0.00		0.00			
1/26/2011	23	-1.41		54.75	0.5587	0.0771	0.1190	0.00		0.00			
1/27/2011	0	-2.10		16.03	0.1636	0.0226	0.0348	0.00		0.00			
1/27/2011	1	-2.57		1.71	0.0174	0.0024	0.0037	0.00		0.00			
1/27/2011	2	-2.49		1.75	0.0179	0.0025	0.0038	0.00		0.00			
1/27/2011	3	-2.25		11.68	0.1191	0.0164	0.0254	0.00		0.00			
1/27/2011	4	-1.91		24.47	0.2497	0.0345	0.0532	0.00		0.14	0.0014	0.0002	0.0003
1/27/2011	5	-2.52		4.17	0.0426	0.0059	0.0091	0.00		0.28	0.0029	0.0004	0.0006
1/27/2011	6	-2.78		0.45	0.0046	0.0006	0.0010	0.00		0.28	0.0029	0.0004	0.0006
1/27/2011	7	-2.59						0.00		0.42	0.0043	0.0006	0.0009
1/27/2011	8	-2.38						0.00		0.42	0.0043	0.0006	0.0009
1/27/2011	9	-2.62						0.00		0.70	0.0071	0.0010	0.0015
1/27/2011	10	-1.78						1.31	0.007	0.98	0.0100	0.0014	0.0021
1/27/2011	11	-1.70						8.12	0.041	0.70	0.0071	0.0010	0.0015
1/27/2011	12	0.00						5.24	0.027	0.14	0.0014	0.0002	0.0003
1/27/2011	13	4.72	0.024					8.38	0.043	0.14	0.0014	0.0002	0.0003
1/27/2011	14	3.12	0.016					9.69	0.049	0.00			
1/27/2011	15	2.83	0.014					9.96	0.051	0.42	0.0043	0.0006	0.0009
1/27/2011	16	2.12	0.011					7.60	0.039	0.28	0.0029	0.0004	0.0006
1/27/2011	17	1.52	0.008					5.76	0.029	0.42	0.0043	0.0006	0.0009
1/27/2011	18	0.79	0.004					3.41	0.017	0.14	0.0014	0.0002	0.0003
1/27/2011	19	0.50	0.003					2.62	0.013	0.14	0.0014	0.0002	0.0003

1/27/2011	20	0.37	0.002					3.14	0.016	0.14	0.0014	0.0002	0.0003	
1/27/2011	21	0.81	0.004					3.41	0.017	0.28	0.0029	0.0004	0.0006	
1/27/2011	22	-0.13						4.19	0.021	0.28	0.0029	0.0004	0.0006	
1/27/2011	23	-0.26						6.55	0.033	0.56	0.0057	0.0008	0.0012	
1/28/2011	0	-0.18		0.24	0.0024	0.0003	0.0005	6.81	0.035	0.84	0.0086	0.0012	0.0018	
1/28/2011	1	-0.31		0.34	0.0034	0.0005	0.0007	6.55	0.033	0.84	0.0086	0.0012	0.0018	
1/28/2011	2	-1.55		0.04	0.0004	0.0001	0.0001	6.55	0.033	0.98	0.0100	0.0014	0.0021	
1/28/2011	3	-1.83		0.18	0.0019	0.0003	0.0004	6.55	0.033	0.98	0.0100	0.0014	0.0021	
1/28/2011	4	-2.28		0.01	0.0001	0.0000	0.0000	6.03	0.031	1.12	0.0114	0.0016	0.0024	
1/28/2011	5	-2.23		0.07	0.0007	0.0001	0.0002	5.76	0.029	0.98	0.0100	0.0014	0.0021	
1/28/2011	6	-2.41		0.36	0.0037	0.0005	0.0008	5.50	0.028	1.12	0.0114	0.0016	0.0024	
1/28/2011	7	-1.89		0.70	0.0071	0.0010	0.0015	4.98	0.025	1.12	0.0114	0.0016	0.0024	
1/28/2011	8	-1.73		0.92	0.0094	0.0013	0.0020	4.19	0.021	1.26	0.0129	0.0018	0.0027	
1/28/2011	9	-0.71		0.71	0.0073	0.0010	0.0016							
1/28/2011	10	1.39	0.007	0.15	0.0016	0.0002	0.0003	0.00		0.00				
1/28/2011	11	2.33	0.012					0.00		0.00				
1/28/2011	12	2.49	0.013					0.00		0.00				
1/28/2011	13							0.00		0.00				
1/28/2011	14							0.00		0.00				
1/28/2011	15	0.00						0.00		0.00				
Average			0.09	0.00047	8.13	0.083	0.011	0.00012	1.90	0.0097	0.28	0.0029	0.00040	0.00062
Maximum			16.45	0.084	54.75	0.56	0.077	0.12	9.96	0.051	1.40	0.014	0.0020	0.0030

The maximum concentrations detected over the entire sampling period for each location are provided in gray. Also, the average of all hourly concentrations for the entire sampling period are provided in gray.

Table 1b: Daily Maximum Reactive Gas Acute Screening Comparison for H₂S and SO₂

Location	Date	24-hr Maximum Concentration ug/m ³	MRL Screening Concentration ug/m ³	MRL Screening Hazard	AEGL-1 (8-hr) Screening Concentration ug/m ³	AEGL-1 (8-hr) Screening Hazard
Hydrogen Sulfide						
Background	1/25/2011	1.40	98	0.0143	460	0.0030
Background	1/28/2011	1.26	98	0.0129	460	0.0027
Background	1/27/2011	0.98	98	0.0100	460	0.0021
Background	1/26/2011	0.42	98	0.0043	460	0.0009
Background	1/24/2011	0.28	98	0.0029	460	0.0006
Average		0.87	98	0.0089	460	0.0019
Primary	1/26/2011	54.75	98	0.5587	460	0.1190
Primary	1/27/2011	24.47	98	0.2497	460	0.0532
Primary	1/25/2011	16.28	98	0.1661	460	0.0354
Primary	1/28/2011	0.92	98	0.0094	460	0.0020
Primary	1/24/2011	ND				
Average		24.11	98	0.2460	460	0.0524

Location	Date	24-hr Maximum Concentration ug/m ³	NAAQS Screening Concentration ug/m ³	NAAQS Screening Hazard
Sulfur Dioxide				
Background	1/27/2011	9.96	196.5	0.051
Background	1/26/2011	8.65	196.5	0.044
Background	1/28/2011	6.81	196.5	0.035
Background	1/24/2011	1.57	196.5	0.008

Background	1/25/2011	1.05	196.5	0.005
Average		5.61	196.5	0.0572
Primary	1/26/2011	16.45	196.5	0.084
Primary	1/27/2011	4.72	196.5	0.024
Primary	1/25/2011	3.20	196.5	0.016
Primary	1/28/2011	2.49	196.5	0.013
Primary	1/24/2011	ND		
Average		6.71	196.5	0.337

The Maximum Concentrations reflect maximum detected levels among 1-hour samples over a 24-hour sampling period. The screening level for Hydrogen Sulfide reflects ATSDR's MRL for 1-14 day exposures (98 ug/m³) and the EPA AEGL-1 (8hr) concentration (460 ug/m³). The screening concentration selected for Sulfur Dioxide is the EPA NAAQS 1-hour Primary Standard (196.5 ug/m³). The sample results in gray reflect the maximum concentration detected over the sampling period. The average concentration is the average of the daily maximum concentrations provided in this table.

Table 2: Aldehyde Sampling Data Acute Screening Comparison

Sample Location	Sample Date	Analyte	Cas	Concentration ug/m ³	Detection Limit	Qualifier	MRL ug/m ³ Table 2	AEGL-1 (8-hr) ug/m ³ Table 2	MRL Screening Quotient	AEGL Screening Quotient
YBAA01	1/24/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBAA91	1/24/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBBA01	1/24/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBAA92	1/25/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBAA02	1/25/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBBA02	1/25/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBAA93	1/26/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBAA03	1/26/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBBAB3	1/26/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBBA03	1/26/2011	2,5-Dimethylbenzaldehyde	5779-94-2	ND	0.001	U				
YBAA01	1/24/2011	Acetaldehyde	75-07-0	1.09	0.004			81,000.00		1.3457E-05
YBAA91	1/24/2011	Acetaldehyde	75-07-0	1.22	0.004			81,000.00		1.5058E-05
YBBA01	1/24/2011	Acetaldehyde	75-07-0	1.47	0.004			81,000.00		1.8128E-05
YBAA92	1/25/2011	Acetaldehyde	75-07-0	1.01	0.004			81,000.00		1.2411E-05
YBAA02	1/25/2011	Acetaldehyde	75-07-0	0.73	0.004			81,000.00		9.0082E-06
YBBA02	1/25/2011	Acetaldehyde	75-07-0	0.71	0.004			81,000.00		8.7413E-06
YBAA93	1/26/2011	Acetaldehyde	75-07-0	0.63	0.004			81,000.00		7.8293E-06
YBAA03	1/26/2011	Acetaldehyde	75-07-0	0.62	0.004			81,000.00		7.6291E-06
YBBAB3	1/26/2011	Acetaldehyde	75-07-0	0.02	0.004			81,000.00		2.8915E-07
YBBA03	1/26/2011	Acetaldehyde	75-07-0	0.50	0.004			81,000.00		6.1389E-06
YBAA01	1/24/2011	Acetone	67-64-1	1.46	0.004					
YBAA91	1/24/2011	Acetone	67-64-1	1.55	0.004					
YBBA01	1/24/2011	Acetone	67-64-1	2.64	0.004					
YBAA92	1/25/2011	Acetone	67-64-1	2.49	0.004					
YBAA02	1/25/2011	Acetone	67-64-1	1.83	0.004					
YBBA02	1/25/2011	Acetone	67-64-1	1.86	0.004					
YBAA93	1/26/2011	Acetone	67-64-1	2.07	0.004					
YBAA03	1/26/2011	Acetone	67-64-1	2.07	0.004					
YBBAB3	1/26/2011	Acetone	67-64-1	0.08	0.004					

YBBA03	1/26/2011	Acetone	67-64-1	1.49	0.004					
YBAA01	1/24/2011	Benzaldehyde	100-52-7	0.16	0.001					
YBAA91	1/24/2011	Benzaldehyde	100-52-7	0.13	0.001					
YBBA01	1/24/2011	Benzaldehyde	100-52-7	0.23	0.001					
YBAA92	1/25/2011	Benzaldehyde	100-52-7	0.06	0.001					
YBAA02	1/25/2011	Benzaldehyde	100-52-7	0.07	0.001					
YBBA02	1/25/2011	Benzaldehyde	100-52-7	0.09	0.001					
YBAA93	1/26/2011	Benzaldehyde	100-52-7	0.04	0.001					
YBAA03	1/26/2011	Benzaldehyde	100-52-7	0.06	0.001					
YBBAB3	1/26/2011	Benzaldehyde	100-52-7	ND	0.001	U				
YBBA03	1/26/2011	Benzaldehyde	100-52-7	0.07	0.001					
YBAA01	1/24/2011	Butyraldehyde	123-72-8	0.23	0.002					
YBAA91	1/24/2011	Butyraldehyde	123-72-8	0.28	0.002					
YBBA01	1/24/2011	Butyraldehyde	123-72-8	0.23	0.002					
YBAA92	1/25/2011	Butyraldehyde	123-72-8	0.16	0.002					
YBAA02	1/25/2011	Butyraldehyde	123-72-8	0.11	0.002					
YBBA02	1/25/2011	Butyraldehyde	123-72-8	0.15	0.002					
YBAA93	1/26/2011	Butyraldehyde	123-72-8	0.13	0.002					
YBAA03	1/26/2011	Butyraldehyde	123-72-8	0.13	0.002					
YBBAB3	1/26/2011	Butyraldehyde	123-72-8	ND	0.002	U				
YBBA03	1/26/2011	Butyraldehyde	123-72-8	0.09	0.002					
YBAA01	1/24/2011	Crotonaldehyde	123-73-9	0.08	0.002					
YBAA91	1/24/2011	Crotonaldehyde	123-73-9	0.08	0.002					
YBBA01	1/24/2011	Crotonaldehyde	123-73-9	0.07	0.002					
YBAA92	1/25/2011	Crotonaldehyde	123-73-9	0.04	0.002					
YBAA02	1/25/2011	Crotonaldehyde	123-73-9	0.03	0.002					
YBBA02	1/25/2011	Crotonaldehyde	123-73-9	0.03	0.002					
YBAA93	1/26/2011	Crotonaldehyde	123-73-9	0.03	0.002					
YBAA03	1/26/2011	Crotonaldehyde	123-73-9	0.03	0.002					
YBBAB3	1/26/2011	Crotonaldehyde	123-73-9	ND	0.002	U				
YBBA03	1/26/2011	Crotonaldehyde	123-73-9	0.03	0.002					
YBAA01	1/24/2011	Formaldehyde	50-00-0	2.03	0.006		49	1,100.00	0.04135846	0.00184233
YBAA91	1/24/2011	Formaldehyde	50-00-0	2.20	0.006		49	1,100.00	0.04486766	0.00199865
YBBA01	1/24/2011	Formaldehyde	50-00-0	2.17	0.006		49	1,100.00	0.04436635	0.00197632
YBAA92	1/25/2011	Formaldehyde	50-00-0	1.57	0.006		49	1,100.00	0.03208414	0.0014292

YBAA02	1/25/2011	Formaldehyde	50-00-0	1.14	0.005		49	1,100.00	0.02328606	0.00103729
YBBA02	1/25/2011	Formaldehyde	50-00-0	0.97	0.006		49	1,100.00	0.01970167	0.00087762
YBAA93	1/26/2011	Formaldehyde	50-00-0	1.25	0.006		49	1,100.00	0.02556705	0.0011389
YBAA03	1/26/2011	Formaldehyde	50-00-0	1.34	0.006		49	1,100.00	0.02732165	0.00121706
YBBAB3	1/26/2011	Formaldehyde	50-00-0	0.03	0.006		49	1,100.00	0.00055145	2.4564E-05
YBBA03	1/26/2011	Formaldehyde	50-00-0	0.92	0.006		49	1,100.00	0.01884943	0.00083966
YBAA01	1/24/2011	Hexaldehyde	66-25-1	0.06	0.001					
YBAA91	1/24/2011	Hexaldehyde	66-25-1	0.08	0.001					
YBBA01	1/24/2011	Hexaldehyde	66-25-1	0.11	0.001					
YBAA92	1/25/2011	Hexaldehyde	66-25-1	0.03	0.001					
YBAA02	1/25/2011	Hexaldehyde	66-25-1	0.02	0.001					
YBBA02	1/25/2011	Hexaldehyde	66-25-1	0.05	0.001					
YBAA93	1/26/2011	Hexaldehyde	66-25-1	0.02	0.001					
YBAA03	1/26/2011	Hexaldehyde	66-25-1	0.03	0.001					
YBBAB3	1/26/2011	Hexaldehyde	66-25-1	ND	0.001	U				
YBBA03	1/26/2011	Hexaldehyde	66-25-1	0.04	0.001					
YBAA01	1/24/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBAA91	1/24/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBBA01	1/24/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBAA92	1/25/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBAA02	1/25/2011	Isovaleraldehyde	590-86-3	ND	0.0008	U				
YBBA02	1/25/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBAA93	1/26/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBAA03	1/26/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBBAB3	1/26/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBBA03	1/26/2011	Isovaleraldehyde	590-86-3	ND	0.0009	U				
YBAA01	1/24/2011	Propionaldehyde	123-38-6	0.19	0.001			110,000.00		1.7708E-06
YBAA91	1/24/2011	Propionaldehyde	123-38-6	0.24	0.001			110,000.00		2.1379E-06
YBBA01	1/24/2011	Propionaldehyde	123-38-6	0.27	0.001			110,000.00		2.4618E-06
YBAA92	1/25/2011	Propionaldehyde	123-38-6	0.14	0.001			110,000.00		1.2957E-06
YBAA02	1/25/2011	Propionaldehyde	123-38-6	0.10	0.001			110,000.00		8.854E-07
YBBA02	1/25/2011	Propionaldehyde	123-38-6	0.14	0.001			110,000.00		1.2741E-06
YBAA93	1/26/2011	Propionaldehyde	123-38-6	0.12	0.001			110,000.00		1.0582E-06
YBAA03	1/26/2011	Propionaldehyde	123-38-6	0.11	0.001			110,000.00		9.9337E-07
YBBAB3	1/26/2011	Propionaldehyde	123-38-6	ND	0.001	U		110,000.00		

YBBA03	1/26/2011	Propionaldehyde	123-38-6	0.10	0.002			110,000.00		8.638E-07
YBAA01	1/24/2011	Tolualdehydes	1334-78-7	0.13	0.002					
YBAA91	1/24/2011	Tolualdehydes	1334-78-7	0.19	0.002					
YBBA01	1/24/2011	Tolualdehydes	1334-78-7	0.12	0.002					
YBAA92	1/25/2011	Tolualdehydes	1334-78-7	0.08	0.002					
YBAA02	1/25/2011	Tolualdehydes	1334-78-7	0.06	0.002					
YBBA02	1/25/2011	Tolualdehydes	1334-78-7	0.07	0.002					
YBAA93	1/26/2011	Tolualdehydes	1334-78-7	0.04	0.002					
YBAA03	1/26/2011	Tolualdehydes	1334-78-7	0.06	0.002					
YBBAB3	1/26/2011	Tolualdehydes	1334-78-7	ND	0.002	U				
YBBA03	1/26/2011	Tolualdehydes	1334-78-7	0.05	0.002					
YBAA01	1/24/2011	Valeraldehyde	110-62-3	0.07	0.001					
YBAA91	1/24/2011	Valeraldehyde	110-62-3	0.11	0.001					
YBBA01	1/24/2011	Valeraldehyde	110-62-3	0.15	0.001					
YBAA92	1/25/2011	Valeraldehyde	110-62-3	ND	0.001	A-01, U				
YBAA02	1/25/2011	Valeraldehyde	110-62-3	ND	0.001	A-01, U				
YBBA02	1/25/2011	Valeraldehyde	110-62-3	0.06	0.001					
YBAA93	1/26/2011	Valeraldehyde	110-62-3	0.03	0.001					
YBAA03	1/26/2011	Valeraldehyde	110-62-3	0.03	0.001					
YBBAB3	1/26/2011	Valeraldehyde	110-62-3	ND	0.001	U				
YBBA03	1/26/2011	Valeraldehyde	110-62-3	0.04	0.001					
Screening Quotient Total									0.28	0.01

Table 3: Volatile Organic Compound Sample Acute Screening Comparison

Sample Date	Analyte	Cas	Concentration ug / m³	Detection Limit/Qualifiers ug / m³	MRL ug/m³ Table 2	AEGL-1 (8-hr) ug/m³ Table 2	MRL Screening Quotient	AEGL Screening Quotient
1/24/2011	1,1,1-Trichloroethane	71-55-6		2.6 U	11,000	1,300,000		
1/24/2011	1,1,1-Trichloroethane	71-55-6		2.5 U	11,000	1,300,000		
1/24/2011	1,1,1-Trichloroethane	71-55-6		2.6 U	11,000	1,300,000		
1/25/2011	1,1,1-Trichloroethane	71-55-6		2.5 U	11,000	1,300,000		
1/25/2011	1,1,1-Trichloroethane	71-55-6		2.6 U	11,000	1,300,000		
1/25/2011	1,1,1-Trichloroethane	71-55-6		2.6 U	11,000	1,300,000		
1/26/2011	1,1,1-Trichloroethane	71-55-6		2.3 U	11,000	1,300,000		
1/26/2011	1,1,1-Trichloroethane	71-55-6		2.6 U	11,000	1,300,000		
1/26/2011	1,1,1-Trichloroethane	71-55-6		2.6 U	11,000	1,300,000		
1/27/2011	1,1,1-Trichloroethane	71-55-6		2.5 U	11,000	1,300,000		
1/24/2011	1,1,2,2-Tetrachloroethane	79-34-5		3.3 U				
1/24/2011	1,1,2,2-Tetrachloroethane	79-34-5	3.2	3.2 U,J,O				
1/24/2011	1,1,2,2-Tetrachloroethane	79-34-5		3.3 U				
1/25/2011	1,1,2,2-Tetrachloroethane	79-34-5		3.3 U				
1/25/2011	1,1,2,2-Tetrachloroethane	79-34-5	3.3	3.3 U,J,O				
1/25/2011	1,1,2,2-Tetrachloroethane	79-34-5		3.4 U				
1/26/2011	1,1,2,2-Tetrachloroethane	79-34-5		3.0 U				
1/26/2011	1,1,2,2-Tetrachloroethane	79-34-5	3.3	3.3 U,J,O				
1/26/2011	1,1,2,2-Tetrachloroethane	79-34-5		3.4 U				
1/27/2011	1,1,2,2-Tetrachloroethane	79-34-5		3.2 U				
1/24/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.58					
1/24/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.56					
1/24/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.59					
1/25/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.6					
1/25/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.58					

1/25/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.56					
1/26/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.54					
1/26/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.55					
1/26/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5	0.56					
1/27/2011	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	79-00-5		3.5 U				
1/24/2011	1,1,2-Trichloroethane	79-00-5		2.6 U				
1/24/2011	1,1,2-Trichloroethane	79-00-5		2.5 U				
1/24/2011	1,1,2-Trichloroethane	79-00-5		2.6 U				
1/25/2011	1,1,2-Trichloroethane	79-00-5		2.6 U				
1/25/2011	1,1,2-Trichloroethane	79-00-5		2.6 U				
1/25/2011	1,1,2-Trichloroethane	79-00-5		2.6 U				
1/26/2011	1,1,2-Trichloroethane	79-00-5		2.3 U				
1/26/2011	1,1,2-Trichloroethane	79-00-5		2.6 U				
1/26/2011	1,1,2-Trichloroethane	79-00-5		2.6 U				
1/27/2011	1,1,2-Trichloroethane	79-00-5		2.5 U				
1/24/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/24/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/24/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/25/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/25/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/25/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/26/2011	1,1-Dichloroethane	75-34-3		1.7 U				
1/26/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/26/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/27/2011	1,1-Dichloroethane	75-34-3		1.9 U				
1/24/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.8 U				
1/24/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.8 U				
1/24/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.8 U				
1/25/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.8 U				
1/25/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.8 U				
1/25/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.9 U				

1/26/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.6 U				
1/26/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.8 U				
1/26/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.9 U				
1/27/2011	1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4		1.8 U				
1/24/2011	1,2,4-Trichlorobenzene	120-82-1	3.4	3.4 U,J,O				
1/24/2011	1,2,4-Trichlorobenzene	120-82-1	3.3	3.3 U,J,O				
1/24/2011	1,2,4-Trichlorobenzene	120-82-1	3.4	3.4 U,J,O				
1/25/2011	1,2,4-Trichlorobenzene	120-82-1	3.4	3.4 U,J,O				
1/25/2011	1,2,4-Trichlorobenzene	120-82-1	3.4	3.4 U,J,O				
1/25/2011	1,2,4-Trichlorobenzene	120-82-1	3.4	3.4 U,J,O				
1/26/2011	1,2,4-Trichlorobenzene	120-82-1	3.0	3.0 U,J,O				
1/26/2011	1,2,4-Trichlorobenzene	120-82-1	3.4	3.4 U,J,O				
1/26/2011	1,2,4-Trichlorobenzene	120-82-1	3.4	3.4 U,J,O				
1/27/2011	1,2,4-Trichlorobenzene	120-82-1	3.3	3.3 U,J,O				
1/24/2011	1,2,4-Trimethylbenzene	95-63-6		2.3 U				
1/24/2011	1,2,4-Trimethylbenzene	95-63-6		2.3 U				
1/24/2011	1,2,4-Trimethylbenzene	95-63-6		2.4 U				
1/25/2011	1,2,4-Trimethylbenzene	95-63-6		2.3 U				
1/25/2011	1,2,4-Trimethylbenzene	95-63-6		2.3 U				
1/25/2011	1,2,4-Trimethylbenzene	95-63-6		2.4 U				
1/26/2011	1,2,4-Trimethylbenzene	95-63-6		2.1 U				
1/26/2011	1,2,4-Trimethylbenzene	95-63-6		2.3 U				
1/26/2011	1,2,4-Trimethylbenzene	95-63-6		2.4 U				
1/27/2011	1,2,4-Trimethylbenzene	95-63-6		2.3 U				
1/24/2011	1,2-Dibromoethane (EDB)	106-93-4	3.7	3.7 U,J,O		35,000		0.0001057
1/24/2011	1,2-Dibromoethane (EDB)	106-93-4	3.6	3.6 U,J,O		35,000		0.0001029
1/24/2011	1,2-Dibromoethane (EDB)	106-93-4	3.7	3.7 U,J,O		35,000		0.0001057
1/25/2011	1,2-Dibromoethane (EDB)	106-93-4	3.7	3.7 U,J,O		35,000		0.0001057
1/25/2011	1,2-Dibromoethane (EDB)	106-93-4	3.7	3.7 U,J,O		35,000		0.0001057
1/25/2011	1,2-Dibromoethane (EDB)	106-93-4	3.8	3.8 U,J,O		35,000		0.0001086
1/26/2011	1,2-Dibromoethane (EDB)	106-93-4	3.3	3.3 U,J,O		35,000		9.429E-05
1/26/2011	1,2-Dibromoethane (EDB)	106-93-4	3.7	3.7 U,J,O		35,000		0.0001057
1/26/2011	1,2-Dibromoethane (EDB)	106-93-4	3.8	3.8 U,J,O		35,000		0.0001086
1/27/2011	1,2-Dibromoethane (EDB)	106-93-4	3.6	3.6 U,J,O		35,000		0.0001029
1/24/2011	1,2-Dichlorobenzene	95-50-1		2.9 U				

1/24/2011	1,2-Dichlorobenzene	95-50-1		2.8 U				
1/24/2011	1,2-Dichlorobenzene	95-50-1		2.9 U				
1/25/2011	1,2-Dichlorobenzene	95-50-1		2.8 U				
1/25/2011	1,2-Dichlorobenzene	95-50-1		2.9 U				
1/25/2011	1,2-Dichlorobenzene	95-50-1		2.9 U				
1/26/2011	1,2-Dichlorobenzene	95-50-1		2.6 U				
1/26/2011	1,2-Dichlorobenzene	95-50-1		2.9 U				
1/26/2011	1,2-Dichlorobenzene	95-50-1		2.9 U				
1/27/2011	1,2-Dichlorobenzene	95-50-1		2.8 U				
1/24/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/24/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/24/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/25/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/25/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/25/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/26/2011	1,2-Dichloroethane	107-06-2		1.7 U				
1/26/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/26/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/27/2011	1,2-Dichloroethane	107-06-2		1.9 U				
1/24/2011	1,2-Dichloropropane	78-87-5		2.2 U	230			
1/24/2011	1,2-Dichloropropane	78-87-5		2.1 U	230			
1/24/2011	1,2-Dichloropropane	78-87-5		2.2 U	230			
1/25/2011	1,2-Dichloropropane	78-87-5		2.2 U	230			
1/25/2011	1,2-Dichloropropane	78-87-5		2.2 U	230			
1/25/2011	1,2-Dichloropropane	78-87-5		2.2 U	230			
1/26/2011	1,2-Dichloropropane	78-87-5		2.0 U	230			
1/26/2011	1,2-Dichloropropane	78-87-5		2.2 U	230			
1/26/2011	1,2-Dichloropropane	78-87-5		2.2 U	230			
1/27/2011	1,2-Dichloropropane	78-87-5		2.2 U	230			
1/24/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.3 U				
1/24/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.2 U				
1/24/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.3 U				
1/25/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.2 U				
1/25/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.3 U				
1/25/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.3 U				

1/26/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			2.9 U			
1/26/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.3 U			
1/26/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.3 U			
1/27/2011	1,2-Dichlorotetrafluoroethane (Freon 114)			3.2 U			
1/24/2011	1,3,5-Trimethylbenzene	108-67-8		2.3 U			
1/24/2011	1,3,5-Trimethylbenzene	108-67-8		2.2 U			
1/24/2011	1,3,5-Trimethylbenzene	108-67-8		2.3 U			
1/25/2011	1,3,5-Trimethylbenzene	108-67-8		2.2 U			
1/25/2011	1,3,5-Trimethylbenzene	108-67-8		2.3 U			
1/25/2011	1,3,5-Trimethylbenzene	108-67-8		2.3 U			
1/26/2011	1,3,5-Trimethylbenzene	108-67-8		2.0 U			
1/26/2011	1,3,5-Trimethylbenzene	108-67-8		2.3 U			
1/26/2011	1,3,5-Trimethylbenzene	108-67-8		2.3 U			
1/27/2011	1,3,5-Trimethylbenzene	108-67-8		2.2 U			
1/24/2011	1,3-Butadiene	106-99-0		2.1 U		1,500,000	
1/24/2011	1,3-Butadiene	106-99-0		2.0 U		1,500,000	
1/24/2011	1,3-Butadiene	106-99-0		2.1 U		1,500,000	
1/25/2011	1,3-Butadiene	106-99-0		2.0 U		1,500,000	
1/25/2011	1,3-Butadiene	106-99-0		2.1 U		1,500,000	
1/25/2011	1,3-Butadiene	106-99-0		2.1 U		1,500,000	
1/26/2011	1,3-Butadiene	106-99-0		1.8 U		1,500,000	
1/26/2011	1,3-Butadiene	106-99-0		2.1 U		1,500,000	
1/26/2011	1,3-Butadiene	106-99-0		2.1 U		1,500,000	
1/27/2011	1,3-Butadiene	106-99-0		2.0 U		1,500,000	
1/24/2011	1,3-Dichlorobenzene			2.9 U			
1/24/2011	1,3-Dichlorobenzene			2.8 U			
1/24/2011	1,3-Dichlorobenzene			2.9 U			
1/25/2011	1,3-Dichlorobenzene			2.9 U			
1/25/2011	1,3-Dichlorobenzene			2.9 U			
1/25/2011	1,3-Dichlorobenzene			2.9 U			
1/26/2011	1,3-Dichlorobenzene			2.6 U			
1/26/2011	1,3-Dichlorobenzene			2.9 U			
1/26/2011	1,3-Dichlorobenzene			2.9 U			
1/27/2011	1,3-Dichlorobenzene			2.8 U			
1/24/2011	1,4-Dichlorobenzene	106-46-7		2.9 U		12,000	

1/24/2011	1,4-Dichlorobenzene	106-46-7		2.8 U	12,000			
1/24/2011	1,4-Dichlorobenzene	106-46-7		2.9 U	12,000			
1/25/2011	1,4-Dichlorobenzene	106-46-7		2.9 U	12,000			
1/25/2011	1,4-Dichlorobenzene	106-46-7		2.9 U	12,000			
1/25/2011	1,4-Dichlorobenzene	106-46-7		3.0 U	12,000			
1/26/2011	1,4-Dichlorobenzene	106-46-7		2.6 U	12,000			
1/26/2011	1,4-Dichlorobenzene	106-46-7		2.9 U	12,000			
1/26/2011	1,4-Dichlorobenzene	106-46-7		3.0 U	12,000			
1/27/2011	1,4-Dichlorobenzene	106-46-7		2.9 U	12,000			
1/24/2011	1,4-Dioxane	123-91-1		3.9 U	7,200	61,000		
1/24/2011	1,4-Dioxane	123-91-1		3.8 U	7,200	61,000		
1/24/2011	1,4-Dioxane	123-91-1		4.0 U	7,200	61,000		
1/25/2011	1,4-Dioxane	123-91-1		3.9 U	7,200	61,000		
1/25/2011	1,4-Dioxane	123-91-1		3.9 U	7,200	61,000		
1/25/2011	1,4-Dioxane	123-91-1		4.0 U	7,200	61,000		
1/26/2011	1,4-Dioxane	123-91-1		3.5 U	7,200	61,000		
1/26/2011	1,4-Dioxane	123-91-1		3.9 U	7,200	61,000		
1/26/2011	1,4-Dioxane	123-91-1		4.0 U	7,200	61,000		
1/27/2011	1,4-Dioxane	123-91-1		3.9 U	7,200	61,000		
1/24/2011	3-Chloropropene			2.8 U				
1/24/2011	3-Chloropropene			2.7 U				
1/24/2011	3-Chloropropene			2.8 U				
1/25/2011	3-Chloropropene			2.8 U				
1/25/2011	3-Chloropropene			2.8 U				
1/25/2011	3-Chloropropene			2.8 U				
1/26/2011	3-Chloropropene			2.5 U				
1/26/2011	3-Chloropropene			2.8 U				
1/26/2011	3-Chloropropene			2.8 U				
1/27/2011	3-Chloropropene			2.8 U				
1/24/2011	4-Ethyltoluene			4.8 U				
1/24/2011	4-Ethyltoluene			4.6 U				
1/24/2011	4-Ethyltoluene			4.8 U				
1/25/2011	4-Ethyltoluene			4.7 U				
1/25/2011	4-Ethyltoluene			4.8 U				
1/25/2011	4-Ethyltoluene			4.8 U				

1/26/2011	4-Ethyltoluene			4.3 U				
1/26/2011	4-Ethyltoluene			4.8 U				
1/26/2011	4-Ethyltoluene			4.8 U				
1/27/2011	4-Ethyltoluene			4.7 U				
1/24/2011	Acetone	67-64-1		3.5 U,O	61,880			
1/24/2011	Acetone	67-64-1		3.5 U,O	61,880			
1/24/2011	Acetone	67-64-1		3.6 U	61,880			
1/25/2011	Acetone	67-64-1		3.0 U,O	61,880			
1/25/2011	Acetone	67-64-1		3.5 U,O	61,880			
1/25/2011	Acetone	67-64-1	3.5		61,880		5.6561E-05	
1/26/2011	Acetone	67-64-1		2.3 U	61,880			
1/26/2011	Acetone	67-64-1		2.5 U	61,880			
1/26/2011	Acetone	67-64-1		2.6 U	61,880			
1/27/2011	Acetone	67-64-1		2.5 U	61,880			
1/24/2011	Acrylonitrile	107-13-1		1.0 U	220	10,000		
1/24/2011	Acrylonitrile	107-13-1		0.99 U	220	10,000		
1/24/2011	Acrylonitrile	107-13-1		1.0 U	220	10,000		
1/25/2011	Acrylonitrile	107-13-1		1.0 U	220	10,000		
1/25/2011	Acrylonitrile	107-13-1		1.0 U	220	10,000		
1/25/2011	Acrylonitrile	107-13-1		1.0 U	220	10,000		
1/26/2011	Acrylonitrile	107-13-1		0.91 U	220	10,000		
1/26/2011	Acrylonitrile	107-13-1		1.0 U	220	10,000		
1/26/2011	Acrylonitrile	107-13-1		1.0 U	220	10,000		
1/27/2011	Acrylonitrile	107-13-1		1.0 U	220	10,000		
1/24/2011	Benzene	71-43-2	0.58		29	29,000	0.02	0.00002
1/24/2011	Benzene	71-43-2	0.65		29	29,000	0.02241379	2.241E-05
1/24/2011	Benzene	71-43-2	0.68		29	29,000	0.02344828	2.345E-05
1/25/2011	Benzene	71-43-2	0.62		29	29,000	0.02137931	2.138E-05
1/25/2011	Benzene	71-43-2	0.6		29	29,000	0.02068966	2.069E-05
1/25/2011	Benzene	71-43-2	0.61		29	29,000	0.02103448	2.103E-05
1/26/2011	Benzene	71-43-2	0.35		29	29,000	0.01206897	1.207E-05
1/26/2011	Benzene	71-43-2	0.49		29	29,000	0.01689655	1.69E-05
1/26/2011	Benzene	71-43-2	0.53		29	29,000	0.01827586	1.828E-05
1/27/2011	Benzene	71-43-2		1.5 U	29	29,000		
1/24/2011	Benzyl chloride	100-44-7		2.3 U				

1/24/2011	Benzyl chloride	100-44-7		2.2 U				
1/24/2011	Benzyl chloride	100-44-7		2.3 U				
1/25/2011	Benzyl chloride	100-44-7		2.3 U				
1/25/2011	Benzyl chloride	100-44-7		2.3 U				
1/25/2011	Benzyl chloride	100-44-7		2.3 U				
1/26/2011	Benzyl chloride	100-44-7		2.0 U				
1/26/2011	Benzyl chloride	100-44-7		2.3 U				
1/26/2011	Benzyl chloride	100-44-7		2.3 U				
1/27/2011	Benzyl chloride	100-44-7		2.2 U				
1/24/2011	Bromodichloromethane	75-27-4		2.9 U				
1/24/2011	Bromodichloromethane	75-27-4		2.8 U				
1/24/2011	Bromodichloromethane	75-27-4		2.9 U				
1/25/2011	Bromodichloromethane	75-27-4		2.9 U				
1/25/2011	Bromodichloromethane	75-27-4		2.9 U				
1/25/2011	Bromodichloromethane	75-27-4		3.0 U				
1/26/2011	Bromodichloromethane	75-27-4		2.6 U				
1/26/2011	Bromodichloromethane	75-27-4		2.9 U				
1/26/2011	Bromodichloromethane	75-27-4		3.0 U				
1/27/2011	Bromodichloromethane	75-27-4		2.9 U				
1/24/2011	Bromoform	75-25-2		4.9 U				
1/24/2011	Bromoform	75-25-2		4.8 U				
1/24/2011	Bromoform	75-25-2		5.0 U				
1/25/2011	Bromoform	75-25-2		4.9 U				
1/25/2011	Bromoform	75-25-2		4.9 U				
1/25/2011	Bromoform	75-25-2		5.0 U				
1/26/2011	Bromoform	75-25-2		4.4 U				
1/26/2011	Bromoform	75-25-2		4.9 U				
1/26/2011	Bromoform	75-25-2		5.0 U				
1/27/2011	Bromoform	75-25-2		4.8 U				
1/24/2011	Bromomethane	74-83-9		1.8 U	190			
1/24/2011	Bromomethane	74-83-9		1.8 U	190			
1/24/2011	Bromomethane	74-83-9		1.8 U	190			
1/25/2011	Bromomethane	74-83-9		1.8 U	190			
1/25/2011	Bromomethane	74-83-9		1.8 U	190			
1/25/2011	Bromomethane	74-83-9		1.9 U	190			

1/26/2011	Bromomethane	74-83-9		1.6 U	190			
1/26/2011	Bromomethane	74-83-9		1.8 U	190			
1/26/2011	Bromomethane	74-83-9		1.9 U	190			
1/27/2011	Bromomethane	74-83-9		1.8 U	190			
1/24/2011	Carbon disulfide	75-15-0		1.5 U		21,000		
1/24/2011	Carbon disulfide	75-15-0		1.4 U		21,000		
1/24/2011	Carbon disulfide	75-15-0		1.5 U		21,000		
1/25/2011	Carbon disulfide	75-15-0		1.4 U		21,000		
1/25/2011	Carbon disulfide	75-15-0		1.5 U		21,000		
1/25/2011	Carbon disulfide	75-15-0		1.5 U		21,000		
1/26/2011	Carbon disulfide	75-15-0		1.3 U		21,000		
1/26/2011	Carbon disulfide	75-15-0		1.5 U		21,000		
1/26/2011	Carbon disulfide	75-15-0		1.5 U		21,000		
1/27/2011	Carbon disulfide	75-15-0		1.4 U		21,000		
1/24/2011	Carbon Tetrachloride	56-23-5	0.55			120,000		4.583E-06
1/24/2011	Carbon Tetrachloride	56-23-5	0.49			120,000		4.083E-06
1/24/2011	Carbon Tetrachloride	56-23-5	0.52			120,000		4.333E-06
1/25/2011	Carbon Tetrachloride	56-23-5	0.55			120,000		4.583E-06
1/25/2011	Carbon Tetrachloride	56-23-5	0.53			120,000		4.417E-06
1/25/2011	Carbon Tetrachloride	56-23-5	0.52			120,000		4.333E-06
1/26/2011	Carbon Tetrachloride	56-23-5	0.5			120,000		4.167E-06
1/26/2011	Carbon Tetrachloride	56-23-5	0.51			120,000		4.25E-06
1/26/2011	Carbon Tetrachloride	56-23-5	0.52			120,000		4.333E-06
1/27/2011	Carbon Tetrachloride	56-23-5		3.0 U		120,000		
1/24/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/24/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/24/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/25/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/25/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/25/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/26/2011	Chlorobenzene	108-90-7		2.0 U		46,000		
1/26/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/26/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/27/2011	Chlorobenzene	108-90-7		2.2 U		46,000		
1/24/2011	Chloroethane			3.0 U				

1/24/2011	Chloroethane			2.9 U				
1/24/2011	Chloroethane			3.0 U				
1/25/2011	Chloroethane			3.0 U				
1/25/2011	Chloroethane			3.0 U				
1/25/2011	Chloroethane			3.0 U				
1/26/2011	Chloroethane			2.7 U				
1/26/2011	Chloroethane			3.0 U				
1/26/2011	Chloroethane			3.0 U				
1/27/2011	Chloroethane			3.0 U				
1/24/2011	Chloroform	67-66-3		2.3 U	490			
1/24/2011	Chloroform	67-66-3		2.3 U	490			
1/24/2011	Chloroform	67-66-3		2.3 U	490			
1/25/2011	Chloroform	67-66-3		2.3 U	490			
1/25/2011	Chloroform	67-66-3		2.3 U	490			
1/25/2011	Chloroform	67-66-3		2.3 U	490			
1/26/2011	Chloroform	67-66-3		2.1 U	490			
1/26/2011	Chloroform	67-66-3		2.3 U	490			
1/26/2011	Chloroform	67-66-3		2.3 U	490			
1/27/2011	Chloroform	67-66-3		2.3 U	490			
1/24/2011	Chloromethane	74-87-3	0.99		1,000	0.00099		
1/24/2011	Chloromethane	74-87-3	0.93		1,000	0.00093		
1/24/2011	Chloromethane	74-87-3	0.95		1,000	0.00095		
1/25/2011	Chloromethane	74-87-3	1		1,000	0.001		
1/25/2011	Chloromethane	74-87-3	0.99		1,000	0.00099		
1/25/2011	Chloromethane	74-87-3	0.98		1,000	0.00098		
1/26/2011	Chloromethane	74-87-3	0.85		1,000	0.00085		
1/26/2011	Chloromethane	74-87-3	0.84		1,000	0.00084		
1/26/2011	Chloromethane	74-87-3	0.88		1,000	0.00088		
1/27/2011	Chloromethane	74-87-3		2.3 U	1,000			
1/24/2011	cis-1,2-Dichloroethene			1.9 U				
1/24/2011	cis-1,2-Dichloroethene			1.8 U				
1/24/2011	cis-1,2-Dichloroethene			1.9 U				
1/25/2011	cis-1,2-Dichloroethene			1.9 U				
1/25/2011	cis-1,2-Dichloroethene			1.9 U				
1/25/2011	cis-1,2-Dichloroethene			1.9 U				

1/26/2011	cis-1,2-Dichloroethene			1.7 U				
1/26/2011	cis-1,2-Dichloroethene			1.9 U				
1/26/2011	cis-1,2-Dichloroethene			1.9 U				
1/27/2011	cis-1,2-Dichloroethene			1.9 U				
1/24/2011	cis-1,3-Dichloropropene		2.1	2.1 U,J,O				
1/24/2011	cis-1,3-Dichloropropene		2.1	2.1 U,J,O				
1/24/2011	cis-1,3-Dichloropropene		2.1	2.2 U,J,O				
1/25/2011	cis-1,3-Dichloropropene		2.1	2.1 U,J,O				
1/25/2011	cis-1,3-Dichloropropene		2.1	2.1 U,J,O				
1/25/2011	cis-1,3-Dichloropropene		2.1	2.2 U,J,O				
1/26/2011	cis-1,3-Dichloropropene		2.1	1.9 U,J,O				
1/26/2011	cis-1,3-Dichloropropene		2.1	2.1 U,J,O				
1/26/2011	cis-1,3-Dichloropropene		2.1	2.2 U,J,O				
1/27/2011	cis-1,3-Dichloropropene		2.1	2.1 U,J,O				
1/24/2011	Cyclohexane			1.6 U				
1/24/2011	Cyclohexane			1.6 U				
1/24/2011	Cyclohexane			1.7 U				
1/25/2011	Cyclohexane			1.6 U				
1/25/2011	Cyclohexane			1.6 U				
1/25/2011	Cyclohexane			1.7 U				
1/26/2011	Cyclohexane			1.5 U				
1/26/2011	Cyclohexane			1.6 U				
1/26/2011	Cyclohexane			1.7 U				
1/27/2011	Cyclohexane			1.6 U				
1/24/2011	Dibromochloromethane			4.0 U				
1/24/2011	Dibromochloromethane			3.9 U				
1/24/2011	Dibromochloromethane			4.1 U				
1/25/2011	Dibromochloromethane			4.0 U				
1/25/2011	Dibromochloromethane			4.0 U				
1/25/2011	Dibromochloromethane			4.1 U				
1/26/2011	Dibromochloromethane			3.6 U				
1/26/2011	Dibromochloromethane			4.0 U				
1/26/2011	Dibromochloromethane			4.1 U				
1/27/2011	Dibromochloromethane			4.0 U				
1/24/2011	Dichlorodifluoromethane	75-71-8	2.7					

1/24/2011	Dichlorodifluoromethane	75-71-8	2.5				
1/24/2011	Dichlorodifluoromethane	75-71-8	2.5				
1/25/2011	Dichlorodifluoromethane	75-71-8	2.6				
1/25/2011	Dichlorodifluoromethane	75-71-8	2.5				
1/25/2011	Dichlorodifluoromethane	75-71-8	2.6				
1/26/2011	Dichlorodifluoromethane	75-71-8	2.4				
1/26/2011	Dichlorodifluoromethane	75-71-8	2.5				
1/26/2011	Dichlorodifluoromethane	75-71-8	2.5				
1/27/2011	Dichlorodifluoromethane	75-71-8		2.3 U			
1/24/2011	Dimethylmethylenebicycloheptane (TIC)						
1/24/2011	Dimethylmethylenebicycloheptane (TIC)						
1/24/2011	Dimethylmethylenebicycloheptane (TIC)						
1/25/2011	Dimethylmethylenebicycloheptane (TIC)						
1/25/2011	Dimethylmethylenebicycloheptane (TIC)		300				
1/25/2011	Dimethylmethylenebicycloheptane (TIC)		100				
1/26/2011	Dimethylmethylenebicycloheptane (TIC)						
1/26/2011	Dimethylmethylenebicycloheptane (TIC)						
1/26/2011	Dimethylmethylenebicycloheptane (TIC)						
1/27/2011	Dimethylmethylenebicycloheptane (TIC)						
1/24/2011	Ethyl Acetate			4.2 U			
1/24/2011	Ethyl Acetate			4.1 U			
1/24/2011	Ethyl Acetate			4.2 U			
1/25/2011	Ethyl Acetate			4.1 U			
1/25/2011	Ethyl Acetate			4.2 U			
1/25/2011	Ethyl Acetate			4.2 U			
1/26/2011	Ethyl Acetate			3.7 U			
1/26/2011	Ethyl Acetate			4.2 U			
1/26/2011	Ethyl Acetate			4.2 U			
1/27/2011	Ethyl Acetate			4.1 U			
1/24/2011	Ethyl Benzene	100-41-4		2.1 U	43,000	140,000	
1/24/2011	Ethyl Benzene	100-41-4		2.0 U	43,000	140,000	
1/24/2011	Ethyl Benzene	100-41-4		2.1 U	43,000	140,000	
1/25/2011	Ethyl Benzene	100-41-4		2.1 U	43,000	140,000	
1/25/2011	Ethyl Benzene	100-41-4		2.1 U	43,000	140,000	
1/25/2011	Ethyl Benzene	100-41-4		2.1 U	43,000	140,000	

1/26/2011	Ethyl Benzene	100-41-4		1.9 U	43,000	140,000		
1/26/2011	Ethyl Benzene	100-41-4		2.1 U	43,000	140,000		
1/26/2011	Ethyl Benzene	100-41-4		2.1 U	43,000	140,000		
1/27/2011	Ethyl Benzene	100-41-4		2.0 U	43,000	140,000		
1/24/2011	Heptane	142-82-5		2.0 U				
1/24/2011	Heptane	142-82-5	0.14					
1/24/2011	Heptane	142-82-5	0.14					
1/25/2011	Heptane	142-82-5		2.0 U				
1/25/2011	Heptane	142-82-5	0.18					
1/25/2011	Heptane	142-82-5	0.16					
1/26/2011	Heptane	142-82-5		1.8 U				
1/26/2011	Heptane	142-82-5		2.0 U				
1/26/2011	Heptane	142-82-5		2.0 U				
1/27/2011	Heptane	142-82-5		2.0 U				
1/24/2011	Hexachlorobutadiene	87-68-3		5.1 U				
1/24/2011	Hexachlorobutadiene	87-68-3		5.0 U				
1/24/2011	Hexachlorobutadiene	87-68-3		5.2 U				
1/25/2011	Hexachlorobutadiene	87-68-3		5.1 U				
1/25/2011	Hexachlorobutadiene	87-68-3		5.1 U				
1/25/2011	Hexachlorobutadiene	87-68-3		5.2 U				
1/26/2011	Hexachlorobutadiene	87-68-3		4.6 U				
1/26/2011	Hexachlorobutadiene	87-68-3		5.1 U				
1/26/2011	Hexachlorobutadiene	87-68-3		5.2 U				
1/27/2011	Hexachlorobutadiene	87-68-3		5.0 U				
1/24/2011	Hexane	110-54-3		1.7 U				
1/24/2011	Hexane	110-54-3	0.14					
1/24/2011	Hexane	110-54-3	0.14					
1/25/2011	Hexane	110-54-3	0.18					
1/25/2011	Hexane	110-54-3	0.18					
1/25/2011	Hexane	110-54-3	0.19					
1/26/2011	Hexane	110-54-3		1.5 U				
1/26/2011	Hexane	110-54-3		1.7 U				
1/26/2011	Hexane	110-54-3	0.14					
1/27/2011	Hexane	110-54-3		1.6 U				
1/24/2011	Isooctane			2.2 U				

1/24/2011	Isooctane			2.2 U				
1/24/2011	Isooctane			2.3 U				
1/25/2011	Isooctane			2.2 U				
1/25/2011	Isooctane			2.2 U				
1/25/2011	Isooctane			2.3 U				
1/26/2011	Isooctane			2.0 U				
1/26/2011	Isooctane			2.2 U				
1/26/2011	Isooctane			2.3 U				
1/27/2011	Isooctane			2.2 U				
1/24/2011	Isopropanol	67-63-0	3.0	3.0 U,J,O				
1/24/2011	Isopropanol	67-63-0	2.9	2.9 U,J,O				
1/24/2011	Isopropanol	67-63-0	3.0	3.0 U,J,O				
1/25/2011	Isopropanol	67-63-0	3.0	3.0 U,J,O				
1/25/2011	Isopropanol	67-63-0	3.0	3.0 U,J,O				
1/25/2011	Isopropanol	67-63-0	3.0	3.0 U,J,O				
1/26/2011	Isopropanol	67-63-0	2.7	2.7 U,J,O				
1/26/2011	Isopropanol	67-63-0	3.0	3.0 U,J,O				
1/26/2011	Isopropanol	67-63-0	3.0	3.0 U,J,O				
1/27/2011	Isopropanol	67-63-0	3.0	3.0 U,J,O				
1/24/2011	Methyl Butyl Ketone	591-78-6	4.8	4.8 U,J,O				
1/24/2011	Methyl Butyl Ketone	591-78-6	4.7	4.7 U,J,O				
1/24/2011	Methyl Butyl Ketone	591-78-6	4.9	4.9 U,J,O				
1/25/2011	Methyl Butyl Ketone	591-78-6	4.8	4.8 U,J,O				
1/25/2011	Methyl Butyl Ketone	591-78-6	4.8	4.8 U,J,O				
1/25/2011	Methyl Butyl Ketone	591-78-6	4.9	4.9 U,J,O				
1/26/2011	Methyl Butyl Ketone	591-78-6	4.3	4.3 U,J,O				
1/26/2011	Methyl Butyl Ketone	591-78-6	4.8	4.8 U,J,O				
1/26/2011	Methyl Butyl Ketone	591-78-6	4.9	4.9 U,J,O				
1/27/2011	Methyl Butyl Ketone	591-78-6	4.8	4.8 U,J,O				
1/24/2011	Methyl Ethyl Ketone	78-93-3	1.2					
1/24/2011	Methyl Ethyl Ketone	78-93-3	0.95					
1/24/2011	Methyl Ethyl Ketone	78-93-3	0.98					
1/25/2011	Methyl Ethyl Ketone	78-93-3	0.48					
1/25/2011	Methyl Ethyl Ketone	78-93-3	0.67					
1/25/2011	Methyl Ethyl Ketone	78-93-3	0.77					

1/26/2011	Methyl Ethyl Ketone	78-93-3	0.21					
1/26/2011	Methyl Ethyl Ketone	78-93-3	0.37					
1/26/2011	Methyl Ethyl Ketone	78-93-3	0.38					
1/27/2011	Methyl Ethyl Ketone	78-93-3		1.3 U				
1/24/2011	Methyl Isobutyl Ketone	108-10-1		4.8 U				
1/24/2011	Methyl Isobutyl Ketone	108-10-1	4.7	4.7 U,J,O				
1/24/2011	Methyl Isobutyl Ketone	108-10-1		4.9 U				
1/25/2011	Methyl Isobutyl Ketone	108-10-1		4.8 U				
1/25/2011	Methyl Isobutyl Ketone	108-10-1	4.8	4.8 U,J,O				
1/25/2011	Methyl Isobutyl Ketone	108-10-1		4.9 U				
1/26/2011	Methyl Isobutyl Ketone	108-10-1		4.3 U				
1/26/2011	Methyl Isobutyl Ketone	108-10-1	4.8	4.8 U,J,O				
1/26/2011	Methyl Isobutyl Ketone	108-10-1		4.9 U				
1/27/2011	Methyl Isobutyl Ketone	108-10-1		4.8 U				
1/24/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4		1.8 U	7,200	180,000		
1/24/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4		1.8 U	7,200	180,000		
1/24/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4	1.8	1.8 U,J,O	7,200	180,000	0.00025	0.00001
1/25/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4		1.8 U	7,200	180,000		
1/25/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4	1.8	1.8 U,J,O	7,200	180,000	0.00025	0.00001
1/25/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4		1.9 U	7,200	180,000		
1/26/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4		1.6 U	7,200	180,000		
1/26/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4	1.8	1.8 U,J,O	7,200	180,000	0.00025	0.00001
1/26/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4		1.9 U	7,200	180,000		
1/27/2011	Methyl T-Butyl Ether (MTBE)	1634-04-4		1.8 U	7,200	180,000		
1/24/2011	Methylene Chloride	75-09-2	0.23		2,100		0.00010952	
1/24/2011	Methylene Chloride	75-09-2	0.21		2,100		0.0001	
1/24/2011	Methylene Chloride	75-09-2	0.23		2,100		0.00010952	
1/25/2011	Methylene Chloride	75-09-2	0.23		2,100		0.00010952	
1/25/2011	Methylene Chloride	75-09-2	0.23		2,100		0.00010952	
1/25/2011	Methylene Chloride	75-09-2	0.23		2,100		0.00010952	
1/26/2011	Methylene Chloride	75-09-2	0.21		2,100		0.0001	
1/26/2011	Methylene Chloride	75-09-2	0.21		2,100		0.0001	
1/26/2011	Methylene Chloride	75-09-2	0.23		2,100		0.00010952	
1/27/2011	Methylene Chloride	75-09-2		1.6 U	2,100			
1/24/2011	o-Xylene	95-47-6		2.1 U				

1/24/2011	o-Xylene	95-47-6		2.1 U				
1/24/2011	o-Xylene	95-47-6		2.1 U				
1/25/2011	o-Xylene	95-47-6		2.1 U				
1/25/2011	o-Xylene	95-47-6		2.1 U				
1/25/2011	o-Xylene	95-47-6		2.1 U				
1/26/2011	o-Xylene	95-47-6		1.9 U				
1/26/2011	o-Xylene	95-47-6		2.1 U				
1/26/2011	o-Xylene	95-47-6		2.1 U				
1/27/2011	o-Xylene	95-47-6		2.1 U				
1/24/2011	Pinene (TIC)							
1/24/2011	Pinene (TIC)							
1/24/2011	Pinene (TIC)							
1/25/2011	Pinene (TIC)							
1/25/2011	Pinene (TIC)		100					
1/25/2011	Pinene (TIC)		300					
1/26/2011	Pinene (TIC)		20					
1/26/2011	Pinene (TIC)		40					
1/26/2011	Pinene (TIC)		40					
1/27/2011	Pinene (TIC)							
1/24/2011	Propene			2.1 U				
1/24/2011	Propene			2.1 U				
1/24/2011	Propene			2.1 U				
1/25/2011	Propene			2.1 U				
1/25/2011	Propene			2.1 U				
1/25/2011	Propene			2.2 U				
1/26/2011	Propene			1.9 U				
1/26/2011	Propene			2.1 U				
1/26/2011	Propene			2.2 U				
1/27/2011	Propene			2.1 U				
1/24/2011	Styrene	100-42-5		2.1 U	8,500	85,000		
1/24/2011	Styrene	100-42-5		2.0 U	8,500	85,000		
1/24/2011	Styrene	100-42-5		2.1 U	8,500	85,000		
1/25/2011	Styrene	100-42-5		2.0 U	8,500	85,000		
1/25/2011	Styrene	100-42-5		2.1 U	8,500	85,000		
1/25/2011	Styrene	100-42-5		2.1 U	8,500	85,000		

1/26/2011	Styrene	100-42-5		1.8 U	8,500	85,000		
1/26/2011	Styrene	100-42-5		2.1 U	8,500	85,000		
1/26/2011	Styrene	100-42-5		2.1 U	8,500	85,000		
1/27/2011	Styrene	100-42-5		2.0 U	8,500	85,000		
1/24/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.3 U	1,400	240,000		
1/24/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.2 U	1,400	240,000		
1/24/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.3 U	1,400	240,000		
1/25/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.2 U	1,400	240,000		
1/25/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.3 U	1,400	240,000		
1/25/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.3 U	1,400	240,000		
1/26/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		2.9 U	1,400	240,000		
1/26/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.3 U	1,400	240,000		
1/26/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.3 U	1,400	240,000		
1/27/2011	Tetrachloroethene (Tetrachloroethylene)	127-18-4		3.2 U	1,400	240,000		
1/24/2011	Tetrahydrofuran	109-99-9		3.2 U				
1/24/2011	Tetrahydrofuran	109-99-9		3.2 U				
1/24/2011	Tetrahydrofuran	109-99-9		3.3 U				
1/25/2011	Tetrahydrofuran	109-99-9		3.2 U				
1/25/2011	Tetrahydrofuran	109-99-9		3.2 U				
1/25/2011	Tetrahydrofuran	109-99-9		3.3 U				
1/26/2011	Tetrahydrofuran	109-99-9		2.9 U				
1/26/2011	Tetrahydrofuran	109-99-9		3.2 U				
1/26/2011	Tetrahydrofuran	109-99-9		3.3 U				
1/27/2011	Tetrahydrofuran	109-99-9		3.2 U				
1/24/2011	Toluene	108-88-3	0.3		3,800	750,000	7.8947E-05	0.0000004
1/24/2011	Toluene	108-88-3	0.35		3,800	750,000	9.2105E-05	4.667E-07
1/24/2011	Toluene	108-88-3	0.36		3,800	750,000	9.4737E-05	4.8E-07
1/25/2011	Toluene	108-88-3	0.48		3,800	750,000	0.00012632	6.4E-07
1/25/2011	Toluene	108-88-3	0.46		3,800	750,000	0.00012105	6.133E-07
1/25/2011	Toluene	108-88-3	0.45		3,800	750,000	0.00011842	0.0000006
1/26/2011	Toluene	108-88-3		1.6 U	3,800	750,000		
1/26/2011	Toluene	108-88-3		1.8 U	3,800	750,000		
1/26/2011	Toluene	108-88-3	0.26		3,800	750,000	6.8421E-05	3.467E-07
1/27/2011	Toluene	108-88-3		1.8 U	3,800	750,000		
1/24/2011	trans-1,2-Dichloroethene			1.8 U				

1/24/2011	trans-1,2-Dichloroethene			1.8 U				
1/24/2011	trans-1,2-Dichloroethene			1.8 U				
1/25/2011	trans-1,2-Dichloroethene			1.8 U				
1/25/2011	trans-1,2-Dichloroethene			1.8 U				
1/25/2011	trans-1,2-Dichloroethene			1.8 U				
1/26/2011	trans-1,2-Dichloroethene			1.6 U				
1/26/2011	trans-1,2-Dichloroethene			1.8 U				
1/26/2011	trans-1,2-Dichloroethene			1.8 U				
1/27/2011	trans-1,2-Dichloroethene			1.8 U				
1/24/2011	trans-1,3-Dichloropropene		2.3	2.3 U,J,O				
1/24/2011	trans-1,3-Dichloropropene		2.3	2.2 U,J,O				
1/24/2011	trans-1,3-Dichloropropene		2.3	2.3 U,J,O				
1/25/2011	trans-1,3-Dichloropropene		2.3	2.3 U,J,O				
1/25/2011	trans-1,3-Dichloropropene		2.3	2.3 U,J,O				
1/25/2011	trans-1,3-Dichloropropene		2.3	2.3 U,J,O				
1/26/2011	trans-1,3-Dichloropropene		2.3	2.0 U,J,O				
1/26/2011	trans-1,3-Dichloropropene		2.3	2.3 U,J,O				
1/26/2011	trans-1,3-Dichloropropene		2.3	2.3 U,J,O				
1/27/2011	trans-1,3-Dichloropropene		2.3	2.2 U,J,O				
1/24/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.6 U	11,000	410,000		
1/24/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.5 U	11,000	410,000		
1/24/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.6 U	11,000	410,000		
1/25/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.6 U	11,000	410,000		
1/25/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.6 U	11,000	410,000		
1/25/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.6 U	11,000	410,000		
1/26/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.3 U	11,000	410,000		
1/26/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.6 U	11,000	410,000		
1/26/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.6 U	11,000	410,000		
1/27/2011	Trichloroethene (Trichloroethylene)	79-01-6		2.5 U	11,000	410,000		
1/24/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.4					
1/24/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.3					
1/24/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.3					
1/25/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.4					
1/25/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.3					
1/25/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.3					

1/26/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.2				
1/26/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.3				
1/26/2011	Trichlorofluoromethane (Freon 11)	75-69-4	1.3				
1/27/2011	Trichlorofluoromethane (Freon 11)	75-69-4		2.7 U			
1/24/2011	Vinyl acetate	108-05-4	1.6	1.6 U,J,O		24,000	6.667E-05
1/24/2011	Vinyl acetate	108-05-4	1.6	1.6 U,J,O		24,000	6.667E-05
1/24/2011	Vinyl acetate	108-05-4	1.6	1.7 U,J,O		24,000	6.667E-05
1/25/2011	Vinyl acetate	108-05-4	1.6	1.6 U,J,O		24,000	6.667E-05
1/25/2011	Vinyl acetate	108-05-4	1.6	1.6 U,J,O		24,000	6.667E-05
1/25/2011	Vinyl acetate	108-05-4	1.6	1.7 U,J,O		24,000	6.667E-05
1/26/2011	Vinyl acetate	108-05-4	1.6	1.5 U,J,O		24,000	6.667E-05
1/26/2011	Vinyl acetate	108-05-4	1.6	1.6 U,J,O		24,000	6.667E-05
1/26/2011	Vinyl acetate	108-05-4	1.6	1.7 U,J,O		24,000	6.667E-05
1/27/2011	Vinyl acetate	108-05-4	1.6	1.6 U,J,O		24,000	6.667E-05
1/24/2011	Vinyl bromide	593-60-2		2.1 U			
1/24/2011	Vinyl bromide	593-60-2		2.1 U			
1/24/2011	Vinyl bromide	593-60-2		2.1 U			
1/25/2011	Vinyl bromide	593-60-2		2.1 U			
1/25/2011	Vinyl bromide	593-60-2		2.1 U			
1/25/2011	Vinyl bromide	593-60-2		2.2 U			
1/26/2011	Vinyl bromide	593-60-2		1.9 U			
1/26/2011	Vinyl bromide	593-60-2		2.1 U			
1/26/2011	Vinyl bromide	593-60-2		2.2 U			
1/27/2011	Vinyl bromide	593-60-2		2.1 U			
1/24/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/24/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/24/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/25/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/25/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/25/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/26/2011	Vinyl chloride	75-01-4		1.1 U	1,300	180,000	
1/26/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/26/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/27/2011	Vinyl chloride	75-01-4		1.2 U	1,300	180,000	
1/24/2011	Xylene (m- and/or p-)	1330-20-7		4.2 U	8,700	560,000	

1/24/2011	Xylene (m- and/or p-)	1330-20-7		4.1 U	8,700	560,000		
1/24/2011	Xylene (m- and/or p-)	1330-20-7		4.2 U	8,700	560,000		
1/25/2011	Xylene (m- and/or p-)	1330-20-7		4.2 U	8,700	560,000		
1/25/2011	Xylene (m- and/or p-)	1330-20-7	0.25		8,700	560,000	2.8736E-05	4.464E-07
1/25/2011	Xylene (m- and/or p-)	1330-20-7		4.3 U	8,700	560,000		
1/26/2011	Xylene (m- and/or p-)	1330-20-7		3.8 U	8,700	560,000.00		
1/26/2011	Xylene (m- and/or p-)	1330-20-7		4.2 U	8,700	560,000		
1/26/2011	Xylene (m- and/or p-)	1330-20-7		4.3 U	8,700	560,000		
1/27/2011	Xylene (m- and/or p-)	1330-20-7		4.1 U	8,700	560,000		
Screening Quotient Total							0.19	0.00196

END OF REPORT