

Alton Coal Development, LLC.

Summary of PM₁₀ Data

Collected at Coal Hollow Mine, Utah

During the First Quarter, 2017

DAQ-2017-019481

Submitted to:

Utah Division of Environmental Quality

Division of Air Quality

195 North 1950 West

Salt Lake City, Utah

Contact: Jon Black

Prepared by:

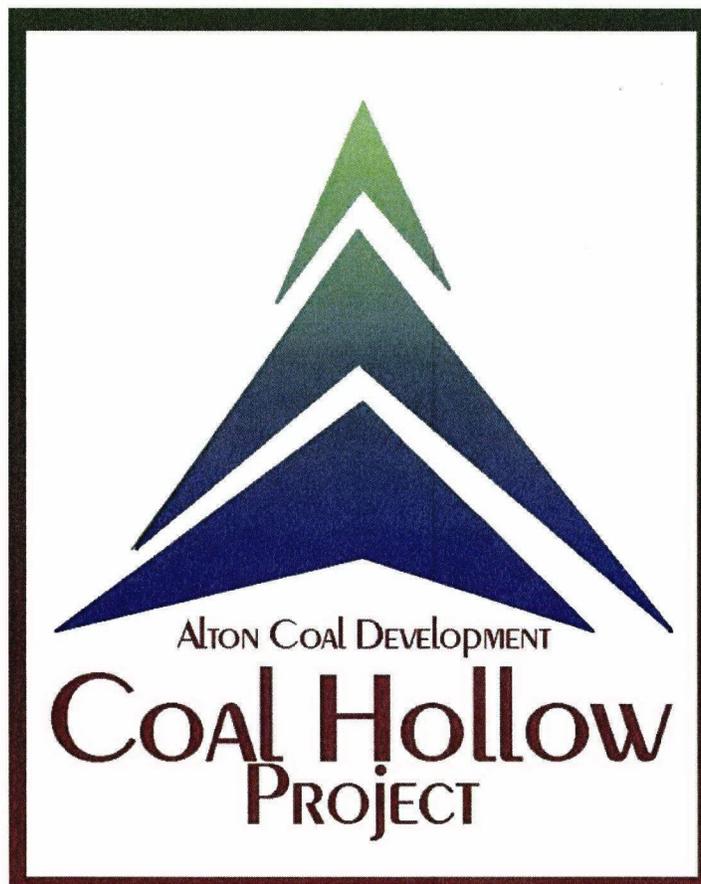
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Contents

1.0 Introduction.....2

2.0 Site Location2

3.0 AIR QUALITY DATA SUMMARIES4

4.0 DATA RECOVERY AND QUALITY ASSURANCE.....7

4.1 Data Recovery.....7

4.2 Quality Assurance9

4.2.1 Precision of PM₁₀ Measurements.....9

4.2.2 Audit Results.....10

4.2.3 Zero and Single Point Flow Rate Checks10

List of Tables

Table I - Summary of Measured PM₁₀ Concentrations (µg/m³) 5

Table II - Summary of Measured PM₁₀ Concentrations (µg/m³)..... 5

Table III - Summary of Measured PM₁₀ Concentrations (µg/m³)..... 6

Table IV - Summary of Measured PM₁₀ Concentrations (µg/m³) 6

Table VI – Mean Quarterly and Monthly Wind Speed..... 7

Table VIII - Summary of Data Recovery..... 8

Table VII III- Audit Summary 10

List of Figures

Figure 1 - Site Location Map 3

Figure 2 - Satellite View of Monitoring Locations 4

List of Appendices

APPENDIX A
Windrose

APPENDIX B
Listing of PM₁₀ Concentrations (Data sheets for monitor's on DVD)

APPENDIX C
Precision and Single-Point Flow Rate Checks

APPENDIX D
Field Data Sheets

APPENDIX E
Independent PM₁₀ Sampler Performance Audit Report

1.0 INTRODUCTION

This report summarizes measurements of Particulate Matter less than 10 microns nominal aerodynamic diameter (PM₁₀) collected and processed by Alton Coal Development, LLC, (ACD) from the five monitoring stations located at the Coal Hollow Mine Facility in Alton, Utah. Monitoring for PM₁₀ is a condition of the mines operating permit.

PM₁₀ monitoring at the site consists of five BGI PQ200 PM₁₀ monitors run by solar power. Figure 2 of this report shows the approximate locations of the monitoring locations. The BGI PQ200 monitors are EPA Reference Method monitors and are operated on the National Particulate 1-in-6 Monitoring Schedule. The data summarized herein covers the data collected during the first quarter of 2017.

2.0 SITE LOCATION

The Coal Hollow Mine is located in Kane County, Utah, approximately three miles southeast of the town of Alton, Utah. Figure I on the following page gives an overview of the site location. Specifically, the Coal Hollow Mine is located in Sections 19, 20, 29, and 30 of Township 39S, Range 5W; with an approximate facility location of:

Northing: 41401699 meters

Easting: 371534 meters

Universal Transverse Mercator (UTM) Datum NAD27, Zone 12

The three monitoring locations as depicted in Figure 2, are located in positions to collect both background and maximum PM₁₀ concentrations. The background monitor has a manufactures serial #962, therefore this monitor will be referred as monitor 962A. The compliance monitor for the Coal Hollow Mine (CHM) has a manufactures serial #963, therefore this monitor will be referred as monitor 963B. The co-located monitor has a manufactures serial #964, therefore this monitor will be referred as monitor 964C. The background monitor coordinates are Northing: 4140856, Easting 373119, (UTM) Datum NAD27, Zone 12. The CHM compliance monitor and the co-located monitor coordinates are Northing: 4140396, Easting 371147, (UTM) Datum NAD27, Zone 12. The compliance monitor for the North Private Lease (NPL) has a manufactures serial #2366, therefore this monitor will be referred as monitor 2366D. The co-located monitor has a manufactures serial #2398, therefore this monitor will be referred as monitor 2398E. The NPL compliance monitor and the co-located monitor coordinates are Northing: 4141570, Easting 370928, (UTM) Datum NAD27, Zone 12.

Figure 1 - Site Location Map

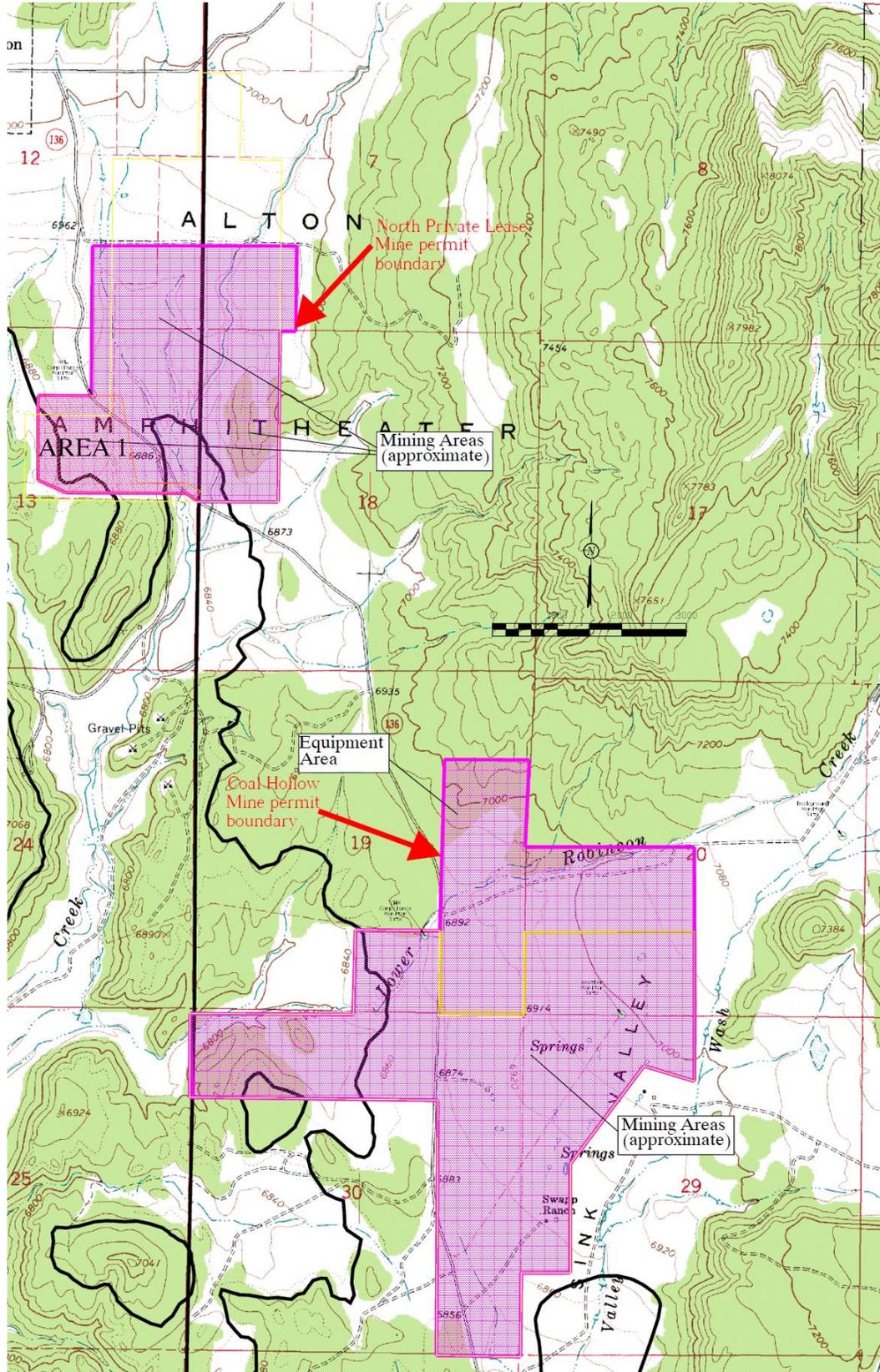
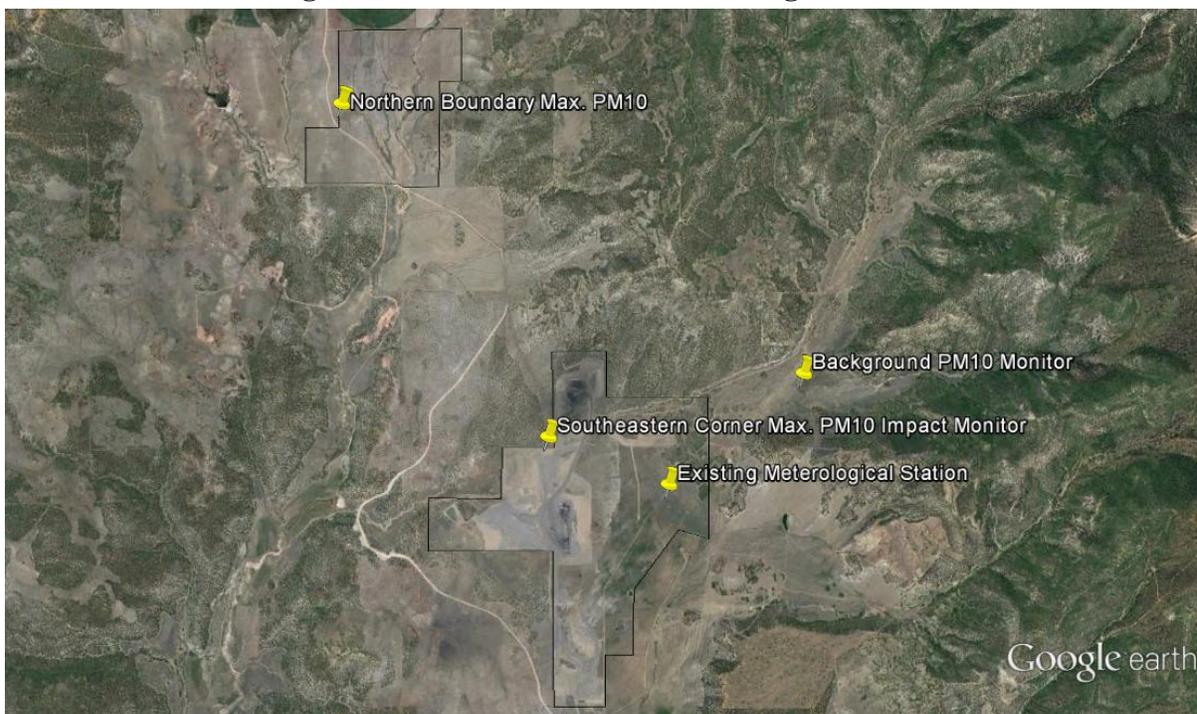


Figure 2 - Satellite View of Monitoring Locations



3.0 AIR QUALITY DATA SUMMARIES

A listing of the measured PM₁₀ concentrations for the quarter are presented in Appendix B (individual data sheets are provided on the enclosed disk in the PDF version of Appendix B) and Field Data Sheets generated during the collection of each sample are presented in Appendix D. Measurements were collected during a 24-hour periods and represent the average PM₁₀ concentration during the midnight to midnight data collection cycle. As required by the operating permit for the CHM, duplicate measurements were made with Sampler #963B (designated as a compliance monitor) and Sampler #964C (designated as a co-located sampler) to the extent possible. The quarterly mean PM₁₀ concentration and the comparison of measured concentrations to standards are based on measurements from the primary Sampler #963B. If a measurement from Sampler #963B was missing or invalid, the measurement from the secondary Sampler #964C would be used. Also, required by the operating permit for the NPL, duplicate measurements were made with Sampler #2366D (designated as a compliance monitor) and Sampler #2398E (designated as a co-located sampler) to the extent possible. The quarterly mean PM₁₀ concentration and the comparison of measured concentrations to standards are based on measurements from the primary Sampler #2366D. If a measurement from Sampler #2366D was missing or invalid, the measurement from the secondary Sampler #2398E would be used.

The highest 24-hour mean PM₁₀ concentrations measured during the quarter from the three monitoring locations are summarized in Table I, Table II, Table III, Table IV and Table V. The three highest concentrations, # of valid samples, and the arithmetic mean concentrations from each of the sites are listed. All measured PM₁₀ concentrations were below the 24-hour National Ambient Air Quality Standard (NAAQS) of 150 µg/m³.

**Table I - Summary of Measured PM₁₀ Concentrations (µg/m³)
Background Monitor - 962A**

RANK	DATE	PM ₁₀ CONCENTRATION
Highest	3/08/2017	9.5
2 nd Highest	3/20/2017	8.1
Monthly Mean	1/1/17-1/31/17	2.1
Monthly Mean	2/1/17-2/28/17	4.0
Monthly Mean	3/1/17-3/31/17	5.2
Quarterly Mean	1/1/17-3/31/17 (12 valid samples)	4.0

**Table II - Summary of Measured PM₁₀ Concentrations (µg/m³)
Compliance Monitor - 963B**

RANK	DATE	PM ₁₀ CONCENTRATION
Highest	3/20/2017	43.6
2 nd Highest	3/2/2017	32.3
Monthly Mean	1/1/17-1/31/17	3.0
Monthly Mean	2/1/17-2/28/17	5.7
Monthly Mean	3/1/17-3/31/17	24.7
Quarterly Mean	1/1/17-3/31/17 (12 valid samples)	13.0

**Table III - Summary of Measured PM₁₀ Concentrations (µg/m³)
Collocated Monitor – 964C**

RANK	DATE	PM ₁₀ CONCENTRATION
Highest	3/20/2017	58.0
2 nd Highest	3/2/2017	37.7
Monthly Mean	1/1/17-1/31/17	3.0
Monthly Mean	2/1/17-2/28/17	7.6
Monthly Mean	3/1/17-3/31/17	30.5
Quarterly Mean	1/1/17-3/31/17 (13 valid samples)	15.0

**Table IV - Summary of Measured PM₁₀ Concentrations (µg/m³)
Compliance Monitor – 2366D**

RANK	DATE	PM ₁₀ CONCENTRATION
Highest	3/20/2017	27.5
2 nd Highest	3/2/2017	18.2
Monthly Mean	1/1/17-1/31/17	4.4
Monthly Mean	2/1/17-2/28/17	4.9
Monthly Mean	3/1/17-3/31/17	13.3
Quarterly Mean	1/1/17-3/31/17 (12 valid samples)	7.5

**Table V - Summary of Measured PM₁₀ Concentrations (µg/m³)
Collocated Monitor – 2398E**

RANK	DATE	PM ₁₀ CONCENTRATION
Highest	3/20/2017	29.9
2 nd Highest	3/2/2017	19.7
Monthly Mean	1/1/17-1/31/17	4.3
Monthly Mean	2/1/17-2/28/17	4.9
Monthly Mean	3/1/17-3/31/17	13.7
Quarterly Mean	1/1/17-3/31/17 (13 valid samples)	8.1

Table VI – Mean Quarterly and Monthly Wind Speed

	1st Quarter 2017	Jan.	Feb.	Mar.
Mean Wind Speed (m/s)	3.01	2.72	2.77	3.51

4.0 DATA RECOVERY AND QUALITY ASSURANCE

4.1 Data Recovery

Monitor 962A

Monitor 962A collected 12 of the 15 samples during the quarter. The percent recovery for this quarter is 80%. For the sample date of Jan. 19th, the monitor depleted its power source after extended storms and cloud cover. For the sample date of Jan. 25th, the operator was unable to access the monitor site to prepare for the scheduled run due to significant snow fall. For the sample date of Jan. 31th, the monitor power supply did not charge sufficiently, battery was replaced.

Monitor 963B

Monitor 963B collected 12 of the 15 samples during the quarter. The percent recovery for this quarter is 80%. For the sample date of Jan. 13th, the monitor depleted its power source after extended storms and cloud cover. For the sample date of Jan. 19th, the monitor depleted its power source after drifting snow covered the solar panels. For the sample date of Jan. 25th, the monitor power supply did not charge sufficiently, battery was replaced.

Monitor 964C

Monitor 964C collected 13 of the 15 samples during the quarter. The percent recovery for this quarter is 87%. For the sample date of Jan. 19th, the monitor depleted its power source after drifting snow covered the solar panels. For the sample date of Jan. 25th, the monitor power supply did not charge sufficiently, battery was replaced.

Monitor 2366D

Monitor 2366D collected 12 of the 15 samples during the quarter. The percent recovery for this quarter is 80%. For the sample date of Jan. 25th, the monitor depleted its power source after drifting snow covered the solar panels, unable to download data. For the sample date of Jan. 31st, the monitor power supply did not charge sufficiently, battery was replaced. For the sample date of Mar. 8th, the data file for the monitor was corrupt yielding no data.

Monitor 2398E

Monitor 2398E collected 13 of the 15 samples during the quarter. The percent recovery for this quarter is 87%. For the sample date of Jan. 25th, the monitor depleted its power source after drifting snow covered the solar panels, unable to download data. For the sample date of Jan. 31st, the monitor power supply did not charge sufficiently, battery was replaced.

The PM₁₀ data recoveries for the five monitoring stations are presented below:

Table VII - Summary of Data Recovery

SAMPLER	POSSIBLE SAMPLES	VALID SAMPLES	PERCENT DATA RECOVERY
962A	12	15	80%
963B	12	15	80%
964C	13	15	87%
2366D	12	15	80%

2398E	13	15	87%
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4.2 Quality Assurance

Quality assurance procedures utilized to verify the integrity of the measured PM₁₀ data included the following:

1. Review of PM₁₀ precision measurements based upon duplicate, collocated measurements.
2. Independent quarterly audits of the PM₁₀ samplers.
3. Monthly zero and single point flow rate checks of the PM₁₀ samplers.

4.2.1 Precision of PM₁₀ Measurements

The precision of the PM₁₀ measurements was determined from the duplicate samples collected from the collocated BGI PQ200 Monitors 963B and 964C at the Coal Hollow Mine and 2366D and 2398E at the North Private Lease. As recommended in *40 CFR, Part 58, Appendix A, Section 5.3.1*, PM₁₀ precision checks are reported for instances when the concentrations for duplicate samples both exceed 3 µg/m³. Duplicate samples that did not meet this condition were omitted for the purposes of the precision checks. Appendix C, of this report summarizes precision calculations between the compliance monitor and the co-located monitor. Monthly flow rate verification data is also summarized in Appendix C.

Precision calculations at the Coal Hollow Mine were developed based on 8 valid pairs of co-located monitoring data during the quarter. Single point precision based on *40 CFR, Part 58, Appendix A Equation 2* results were -51.8% to -2.9%. The aggregate coefficient of variability (CV) calculated in accordance with *40 CFR, Part 58, Appendix A Equation 11* is 18.36%. This value is not within the 10% goal for aggregate CV.

Precision calculations at the North Private Lease were developed based on 7 valid pairs of co-located monitoring data during the quarter. Single point precision based on *40 CFR, Part 58, Appendix A Equation 2* results were -16.9% to 13.8%. The aggregate coefficient of variability (CV) calculated in accordance with *40 CFR, Part 58, Appendix A Equation 11* is 12.27%. This value is not within the 10% goal for aggregate CV.

4.2.2 Audit Results

The accuracy of the PM₁₀ sampler flows was verified by a performance audit conducted by Air Resource Specialist on Feb. 27, 2017. A copy of the audit report is presented in Appendix E and is summarized in Table VI. The audit results indicate that the five samplers were operating properly.

Table VIII- Audit Summary

SAMPLER	AUDIT % DIFFERENCE	LIMIT*	DESIGN % DIFFERENCE	LIMIT*
962A	-1.2	±4%	1.4	± 5%
963B	-0.9	±4%	0.9	± 5%
964C	-0.5	±4%	0.5	± 5%
2366D	-0.3	±4%	0.3	± 5%
2398E	-0.1	±4%	0.1	± 5%

*Values between ± 7% and ± 10% require recalibration but no data are invalidated.

4.2.3 Zero and Single Point Flow Rate Checks

Zero and single-point flow rate verifications are performed by a site technician on a monthly basis. The data was then input into a statistical calculator to calculate percent difference and bias between each of the monitors and the monthly single point flow rate measured by a NIST traceable calibration orifice. The calculator used is called the “Data Assessment Statistical Calculator” DASC Tool. DASC was developed for the data user community and can be found in the Precision and Accuracy Reporting System within the Quality Assurance section of EPA’s Ambient Monitoring Technology Information System. This data is presented in Appendix C of this report.

APPENDIX A

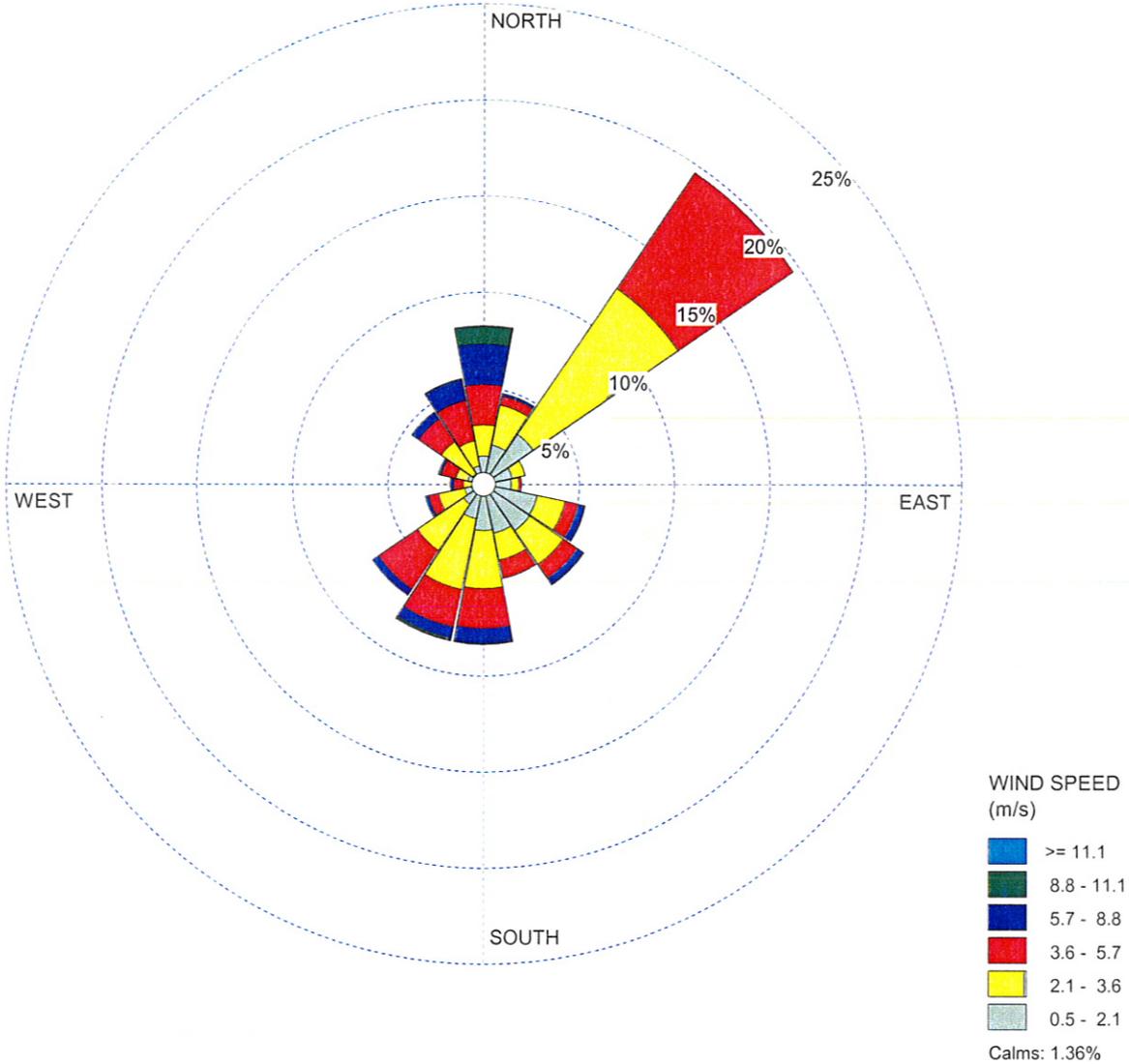
Windrose

WIND ROSE PLOT:

**Alton Coal Development, LLC , Alton, Utah
2017 1st Quarter**

DISPLAY:

**Wind Speed
Direction (blowing from)**



COMMENTS:

DATA PERIOD:

**Start Date: 1/1/2017 - 00:00
End Date: 3/31/2017 - 23:00**

COMPANY NAME:

Alton Coal Development, LLC - Coal Hollow Mine

MODELER:

B. Kirk Nicholes



CALM WINDS:

1.36%

TOTAL COUNT:

2160 hrs.

AVG. WIND SPEED:

3.01 m/s

DATE:

4/13/2017

PROJECT NO.:

Station ID: 1
 Start Date: 1/1/2017 - 00:00
 End Date: 3/31/2017 - 23:00

Run ID:

Frequency Distribution
 (Count)

	Wind Direction (Blowing From) / Wind Speed (m/s)						Total
	0.5 - 2.1	2.1 - 3.6	3.6 - 5.7	5.7 - 8.8	8.8 - 11.1	>= 11.1	
348.75-11.25	32	35	45	46	19	1	178
11.25-33.75	45	46	10	3	0	0	104
33.75-56.25	68	198	157	0	0	0	423
56.25-78.75	33	15	0	0	0	0	48
78.75-101.25	31	9	3	0	0	0	43
101.25-123.75	62	32	15	8	0	0	117
123.75-146.25	63	46	19	9	0	0	137
146.25-168.75	56	31	21	0	0	0	108
168.75-191.25	52	65	45	17	1	0	180
191.25-213.75	40	81	43	13	3	0	180
213.75-236.25	27	63	53	8	0	0	151
236.25-258.75	22	30	11	4	0	0	67
258.75-281.25	11	12	11	4	0	0	38
281.25-303.75	18	14	17	3	0	0	52
303.75-326.25	15	43	31	9	0	0	98
326.25-348.75	21	29	46	24	1	0	121
Total	596	749	527	148	24	1	2160

Frequency of Calm Winds: 115
 Average Wind Speed: 3.01 m/s

Station ID: 1
 Start Date: 1/1/2017 - 00:00
 End Date: 3/31/2017 - 23:00

Run ID:

Frequency Distribution
 (Normalized)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.5 - 2.1	2.1 - 3.6	3.6 - 5.7	5.7 - 8.8	8.8 - 11.1	>= 11.1	Total
348.75-11.25	0.014815	0.016204	0.020833	0.021296	0.008796	0.000463	0.082407
11.25-33.75	0.020833	0.021296	0.004630	0.001389	0.000000	0.000000	0.048148
33.75-56.25	0.031481	0.091667	0.072685	0.000000	0.000000	0.000000	0.195833
56.25-78.75	0.015278	0.006944	0.000000	0.000000	0.000000	0.000000	0.022222
78.75-101.25	0.014352	0.004167	0.001389	0.000000	0.000000	0.000000	0.019907
101.25-123.75	0.028704	0.014815	0.006944	0.003704	0.000000	0.000000	0.054167
123.75-146.25	0.029167	0.021296	0.008796	0.004167	0.000000	0.000000	0.063426
146.25-168.75	0.025926	0.014352	0.009722	0.000000	0.000000	0.000000	0.050000
168.75-191.25	0.024074	0.030093	0.020833	0.007870	0.000463	0.000000	0.083333
191.25-213.75	0.018519	0.037500	0.019907	0.006019	0.001389	0.000000	0.083333
213.75-236.25	0.012500	0.029167	0.024537	0.003704	0.000000	0.000000	0.069907
236.25-258.75	0.010185	0.013889	0.005093	0.001852	0.000000	0.000000	0.031019
258.75-281.25	0.005093	0.005556	0.005093	0.001852	0.000000	0.000000	0.017593
281.25-303.75	0.008333	0.006481	0.007870	0.001389	0.000000	0.000000	0.024074
303.75-326.25	0.006944	0.019907	0.014352	0.004167	0.000000	0.000000	0.045370
326.25-348.75	0.009722	0.013426	0.021296	0.011111	0.000463	0.000000	0.056019
Total	0.275926	0.346759	0.243981	0.068519	0.011111	0.000463	0.946759

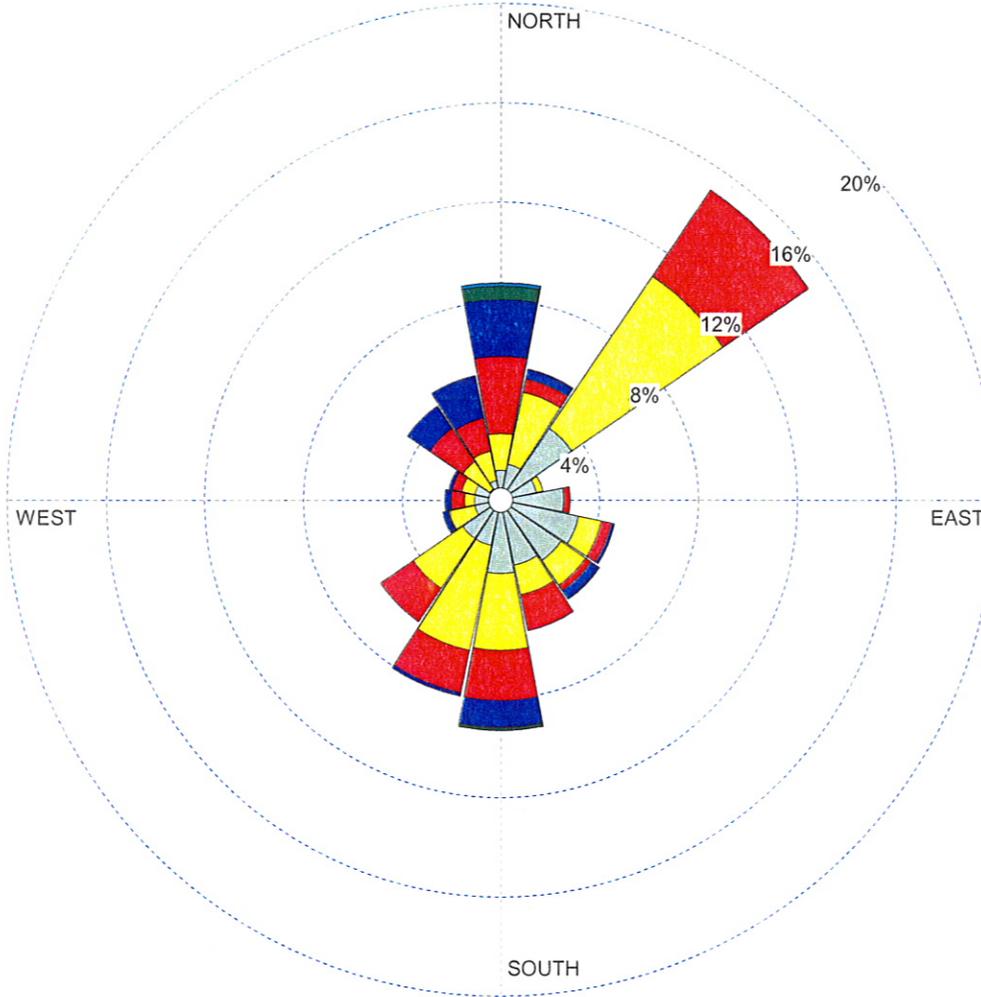
Frequency of Calm Winds: 5.32%
 Average Wind Speed: 3.01 m/s

WIND ROSE PLOT:

Alton Coal Development, LLC , Alton, Utah
2017 January

DISPLAY:

Wind Speed
Direction (blowing from)



WIND SPEED
(m/s)

- >= 11.1
- 8.8 - 11.1
- 5.7 - 8.8
- 3.6 - 5.7
- 2.1 - 3.6
- 0.5 - 2.1

Calms: 1.22%

COMMENTS:

DATA PERIOD:

Start Date: 1/1/2017 - 00:00
End Date: 1/31/2017 - 23:00

COMPANY NAME:

Alton Coal Development, LLC - Coal Hollow Mine

MODELER:

B. Kirk Nicholes

CALM WINDS:

1.22%

TOTAL COUNT:

744 hrs.

AVG. WIND SPEED:

2.72 m/s

DATE:

4/13/2017

PROJECT NO.:



Station ID: 1
 Start Date: 1/1/2017 - 00:00
 End Date: 1/31/2017 - 23:00

Run ID:

Frequency Distribution
 (Count)

	Wind Direction (Blowing From) / Wind Speed (m/s)						Total
	0.5 - 2.1	2.1 - 3.6	3.6 - 5.7	5.7 - 8.8	8.8 - 11.1	>= 11.1	
348.75-11.25	9	11	23	17	4	1	65
11.25-33.75	11	22	4	3	0	0	40
33.75-56.25	26	55	31	0	0	0	112
56.25-78.75	11	2	0	0	0	0	13
78.75-101.25	19	0	2	0	0	0	21
101.25-123.75	24	7	3	1	0	0	35
123.75-146.25	22	9	2	3	0	0	36
146.25-168.75	20	9	11	0	0	0	40
168.75-191.25	22	23	15	8	1	0	69
191.25-213.75	14	32	13	1	0	0	60
213.75-236.25	14	18	12	0	0	0	44
236.25-258.75	8	8	0	2	0	0	18
258.75-281.25	8	3	4	2	0	0	17
281.25-303.75	8	4	3	1	0	0	16
303.75-326.25	4	10	12	8	0	0	34
326.25-348.75	6	9	10	13	0	0	38
Total	226	222	145	59	5	1	744

Frequency of Calm Winds: 86
 Average Wind Speed: 2.72 m/s

Station ID: 1
 Start Date: 1/1/2017 - 00:00
 End Date: 1/31/2017 - 23:00

Run ID:

Frequency Distribution
 (Normalized)

	Wind Direction (Blowing From) / Wind Speed (m/s)						
	0.5 - 2.1	2.1 - 3.6	3.6 - 5.7	5.7 - 8.8	8.8 - 11.1	>= 11.1	Total
348.75-11.25	0.012097	0.014785	0.030914	0.022849	0.005376	0.001344	0.087366
11.25-33.75	0.014785	0.029570	0.005376	0.004032	0.000000	0.000000	0.053763
33.75-56.25	0.034946	0.073925	0.041667	0.000000	0.000000	0.000000	0.150538
56.25-78.75	0.014785	0.002688	0.000000	0.000000	0.000000	0.000000	0.017473
78.75-101.25	0.025538	0.000000	0.002688	0.000000	0.000000	0.000000	0.028226
101.25-123.75	0.032258	0.009409	0.004032	0.001344	0.000000	0.000000	0.047043
123.75-146.25	0.029570	0.012097	0.002688	0.004032	0.000000	0.000000	0.048387
146.25-168.75	0.026882	0.012097	0.014785	0.000000	0.000000	0.000000	0.053763
168.75-191.25	0.029570	0.030914	0.020161	0.010753	0.001344	0.000000	0.092742
191.25-213.75	0.018817	0.043011	0.017473	0.001344	0.000000	0.000000	0.080645
213.75-236.25	0.018817	0.024194	0.016129	0.000000	0.000000	0.000000	0.059140
236.25-258.75	0.010753	0.010753	0.000000	0.002688	0.000000	0.000000	0.024194
258.75-281.25	0.010753	0.004032	0.005376	0.002688	0.000000	0.000000	0.022849
281.25-303.75	0.010753	0.005376	0.004032	0.001344	0.000000	0.000000	0.021505
303.75-326.25	0.005376	0.013441	0.016129	0.010753	0.000000	0.000000	0.045699
326.25-348.75	0.008065	0.012097	0.013441	0.017473	0.000000	0.000000	0.051075
Total	0.303763	0.298387	0.194892	0.079301	0.006720	0.001344	0.884409

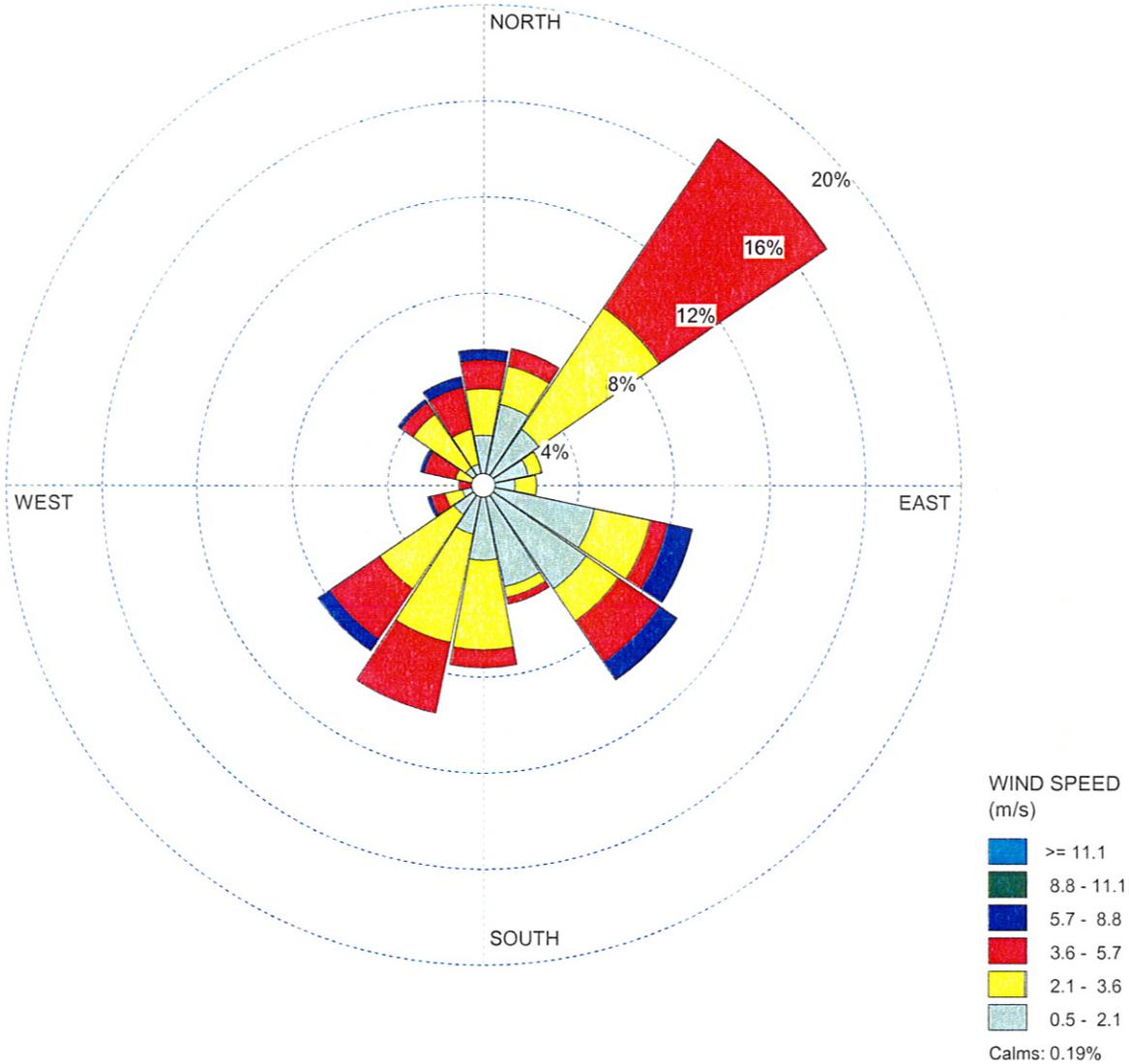
Frequency of Calm Winds: 11.56%
 Average Wind Speed: 2.72 m/s

WIND ROSE PLOT:

Alton Coal Development, LLC , Alton, Utah
2017 February

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:

DATA PERIOD:

Start Date: 2/1/2017 - 00:00
End Date: 2/28/2017 - 23:00

COMPANY NAME:

Alton Coal Development, LLC - Coal Hollow Mine

MODELER:

B. Kirk Nicholes



CALM WINDS:

0.19%

TOTAL COUNT:

672 hrs.

AVG. WIND SPEED:

2.77 m/s

DATE:

4/13/2017

PROJECT NO.:

Station ID: 1
 Start Date: 2/1/2017 - 00:00
 End Date: 2/28/2017 - 23:00

Run ID:

Frequency Distribution
 (Count)

	Wind Direction (Blowing From) / Wind Speed (m/s)						Total
	0.5 - 2.1	2.1 - 3.6	3.6 - 5.7	5.7 - 8.8	8.8 - 11.1	>= 11.1	
348.75-11.25	14	13	8	3	0	0	38
11.25-33.75	23	11	5	0	0	0	39
33.75-56.25	19	41	57	0	0	0	117
56.25-78.75	13	4	0	0	0	0	17
78.75-101.25	9	6	0	0	0	0	15
101.25-123.75	32	16	5	7	0	0	60
123.75-146.25	35	11	14	6	0	0	66
146.25-168.75	29	3	2	0	0	0	34
168.75-191.25	21	25	5	0	0	0	51
191.25-213.75	14	31	20	0	0	0	65
213.75-236.25	10	25	17	4	0	0	56
236.25-258.75	6	5	4	1	0	0	16
258.75-281.25	1	1	5	0	0	0	7
281.25-303.75	3	5	9	1	0	0	18
303.75-326.25	6	18	4	1	0	0	29
326.25-348.75	6	10	12	3	0	0	31
Total	241	225	167	26	0	0	672

Frequency of Calm Winds: 13
 Average Wind Speed: 2.77 m/s

Station ID: 1
 Start Date: 2/1/2017 - 00:00
 End Date: 2/28/2017 - 23:00

Run ID:

Frequency Distribution
 (Normalized)

	Wind Direction (Blowing From) / Wind Speed (m/s)						
	0.5 - 2.1	2.1 - 3.6	3.6 - 5.7	5.7 - 8.8	8.8 - 11.1	>= 11.1	Total
348.75-11.25	0.020833	0.019345	0.011905	0.004464	0.000000	0.000000	0.056548
11.25-33.75	0.034226	0.016369	0.007440	0.000000	0.000000	0.000000	0.058036
33.75-56.25	0.028274	0.061012	0.084821	0.000000	0.000000	0.000000	0.174107
56.25-78.75	0.019345	0.005952	0.000000	0.000000	0.000000	0.000000	0.025298
78.75-101.25	0.013393	0.008929	0.000000	0.000000	0.000000	0.000000	0.022321
101.25-123.75	0.047619	0.023810	0.007440	0.010417	0.000000	0.000000	0.089286
123.75-146.25	0.052083	0.016369	0.020833	0.008929	0.000000	0.000000	0.098214
146.25-168.75	0.043155	0.004464	0.002976	0.000000	0.000000	0.000000	0.050595
168.75-191.25	0.031250	0.037202	0.007440	0.000000	0.000000	0.000000	0.075893
191.25-213.75	0.020833	0.046131	0.029762	0.000000	0.000000	0.000000	0.096726
213.75-236.25	0.014881	0.037202	0.025298	0.005952	0.000000	0.000000	0.083333
236.25-258.75	0.008929	0.007440	0.005952	0.001488	0.000000	0.000000	0.023810
258.75-281.25	0.001488	0.001488	0.007440	0.000000	0.000000	0.000000	0.010417
281.25-303.75	0.004464	0.007440	0.013393	0.001488	0.000000	0.000000	0.026786
303.75-326.25	0.008929	0.026786	0.005952	0.001488	0.000000	0.000000	0.043155
326.25-348.75	0.008929	0.014881	0.017857	0.004464	0.000000	0.000000	0.046131
Total	0.358631	0.334821	0.248512	0.038690	0.000000	0.000000	0.980655

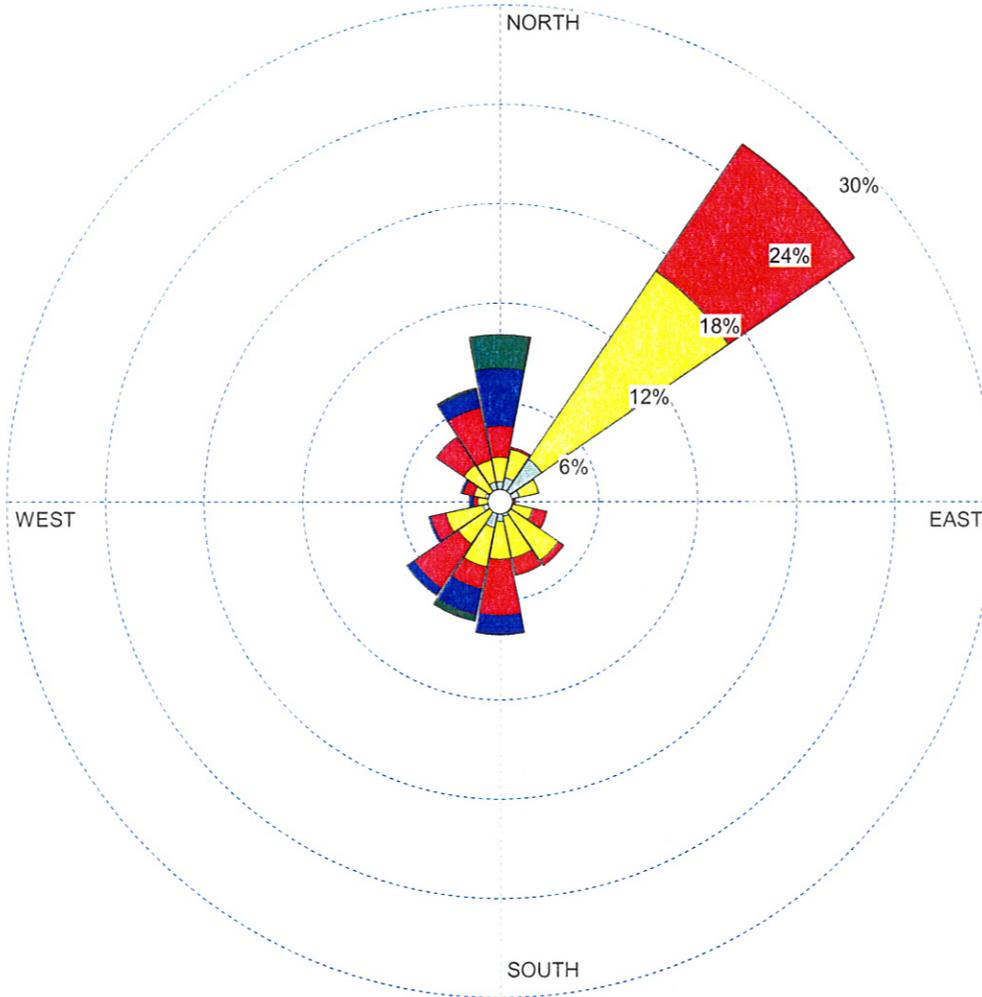
Frequency of Calm Winds: 1.93%
 Average Wind Speed: 2.77 m/s

WIND ROSE PLOT:

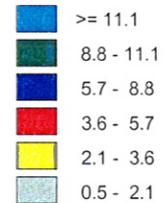
Alton Coal Development, LLC , Alton, Utah
2017 March

DISPLAY:

Wind Speed
Direction (blowing from)



WIND SPEED
(m/s)



Calms: 0.23%

COMMENTS:

DATA PERIOD:

Start Date: 3/1/2017 - 00:00
End Date: 3/31/2017 - 23:00

COMPANY NAME:

Alton Coal Development, LLC - Coal Hollow Mine

MODELER:

B. Kirk Nicholes

CALM WINDS:

0.23%

TOTAL COUNT:

744 hrs.

AVG. WIND SPEED:

3.51 m/s

DATE:

4/13/2017

PROJECT NO.:



Station ID: 1
 Start Date: 3/1/2017 - 00:00
 End Date: 3/31/2017 - 23:00

Run ID:

Frequency Distribution
 (Count)

	Wind Direction (Blowing From) / Wind Speed (m/s)						Total
	0.5 - 2.1	2.1 - 3.6	3.6 - 5.7	5.7 - 8.8	8.8 - 11.1	>= 11.1	
348.75-11.25	9	11	14	26	15	0	75
11.25-33.75	11	13	1	0	0	0	25
33.75-56.25	23	102	69	0	0	0	194
56.25-78.75	9	9	0	0	0	0	18
78.75-101.25	3	3	1	0	0	0	7
101.25-123.75	6	9	7	0	0	0	22
123.75-146.25	6	26	3	0	0	0	35
146.25-168.75	7	19	8	0	0	0	34
168.75-191.25	9	17	25	9	0	0	60
191.25-213.75	12	18	10	12	3	0	55
213.75-236.25	3	20	24	4	0	0	51
236.25-258.75	8	17	7	1	0	0	33
258.75-281.25	2	8	2	2	0	0	14
281.25-303.75	7	5	5	1	0	0	18
303.75-326.25	5	15	15	0	0	0	35
326.25-348.75	9	10	24	8	1	0	52
Total	129	302	215	63	19	0	744

Frequency of Calm Winds: 16
 Average Wind Speed: 3.51 m/s

Station ID: 1
 Start Date: 3/1/2017 - 00:00
 End Date: 3/31/2017 - 23:00

Run ID:

Frequency Distribution
 (Normalized)

	Wind Direction (Blowing From) / Wind Speed (m/s)						
	0.5 - 2.1	2.1 - 3.6	3.6 - 5.7	5.7 - 8.8	8.8 - 11.1	>= 11.1	Total
348.75-11.25	0.012097	0.014785	0.018817	0.034946	0.020161	0.000000	0.100806
11.25-33.75	0.014785	0.017473	0.001344	0.000000	0.000000	0.000000	0.033602
33.75-56.25	0.030914	0.137097	0.092742	0.000000	0.000000	0.000000	0.260753
56.25-78.75	0.012097	0.012097	0.000000	0.000000	0.000000	0.000000	0.024194
78.75-101.25	0.004032	0.004032	0.001344	0.000000	0.000000	0.000000	0.009409
101.25-123.75	0.008065	0.012097	0.009409	0.000000	0.000000	0.000000	0.029570
123.75-146.25	0.008065	0.034946	0.004032	0.000000	0.000000	0.000000	0.047043
146.25-168.75	0.009409	0.025538	0.010753	0.000000	0.000000	0.000000	0.045699
168.75-191.25	0.012097	0.022849	0.033602	0.012097	0.000000	0.000000	0.080645
191.25-213.75	0.016129	0.024194	0.013441	0.016129	0.004032	0.000000	0.073925
213.75-236.25	0.004032	0.026882	0.032258	0.005376	0.000000	0.000000	0.068548
236.25-258.75	0.010753	0.022849	0.009409	0.001344	0.000000	0.000000	0.044355
258.75-281.25	0.002688	0.010753	0.002688	0.002688	0.000000	0.000000	0.018817
281.25-303.75	0.009409	0.006720	0.006720	0.001344	0.000000	0.000000	0.024194
303.75-326.25	0.006720	0.020161	0.020161	0.000000	0.000000	0.000000	0.047043
326.25-348.75	0.012097	0.013441	0.032258	0.010753	0.001344	0.000000	0.069892
Total	0.173387	0.405914	0.288978	0.084677	0.025538	0.000000	0.978495

Frequency of Calm Winds: 2.15%
 Average Wind Speed: 3.51 m/s

APPENDIX B

Listing of PM₁₀ Concentrations

Individual Data Sheets provided on CD

Background Monitor 962A

PM₁₀ Sampler Summary

January 1, 2017 - March 31, 2017

Network: Alton Coal Development

Site: Coal Hollow

Sampler ID: Coal Hollow-A

AQS ID:

Sampler Type: BGI FRM Single

Date	Filter ID	Concentration	Concentration	Sample Period (hr:min)	Sample Volume (m3)	Std Volume (m3)	Mass			Flag	Comments
		(µg/m3) LTP	(µg/m3) STP				Tare (mg)	Gross (mg)	Net (mg)		
01/01/17	P2935444	2.2	2.6	23:59	24.0	19.9	362.484	362.537	0.053		
01/07/17	P2935449	1.0	1.2	23:59	24.0	20.7	365.131	365.156	0.025		
01/13/17	P2935454	2.2	2.6	23:46	23.8	19.9	372.427	372.480	0.053	PI	
01/19/17	P2936212	Invalid - AG	Invalid - AG	10:40	10.7	8.9	390.227	390.257	0.030	SP,PI	
01/25/17		Invalid - AF	Invalid - AF								
01/31/17	P2936221	Invalid - AG	Invalid - AG	1:13	1.2	1.1	387.565	387.573	0.008	SP	
02/06/17	P2936449	3.8	4.6	23:59	24.0	20.1	388.714	388.807	0.093	HT	
02/12/17	P2936792	1.8	2.1	23:59	24.0	20.1	389.577	389.621	0.044	HT	
02/18/17	P2936799	5.7	7.0	23:59	24.0	19.7	390.308	390.446	0.138	HT	
02/24/17	P2937192	1.8	2.1	23:59	24.0	20.5	385.747	385.792	0.045	HT	
03/02/17	P2936804	3.6	4.2	24:00	24.0	20.4	386.276	386.363	0.087	XT,HT	
03/08/17	P2937200	7.8	9.5	23:59	24.0	19.9	392.456	392.645	0.189	TD,HT	
03/14/17	P2937632	2.0	2.5	23:59	24.0	19.6	380.382	380.432	0.050		
03/20/17	P2937637	6.5	8.1	23:59	24.0	19.5	384.538	384.696	0.158		
03/26/17	P2938096	1.4	1.8	23:59	24.0	19.8	393.453	393.489	0.036		
	# Valid	Recovery	Average	St. Dev.	Max	Min					
	12	80%	4.0	2.7	9.5	1.2					

BGI PQ200 Air Sampling System Downloaded 2017 03 jan 12:01:57

Job Details:

Job Name: 17Jan03A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8678:31
 Flags:

Job Code:
 Site Name: 962A
 Station Code:
 Operators: KN
 User1:
 User2:

	Max	Min	Avg	Units
BP	578	575	575	mmHg
TA	1	-3.4	-1	°C
Q	---	---	16.71	Lpm

Timer Information:

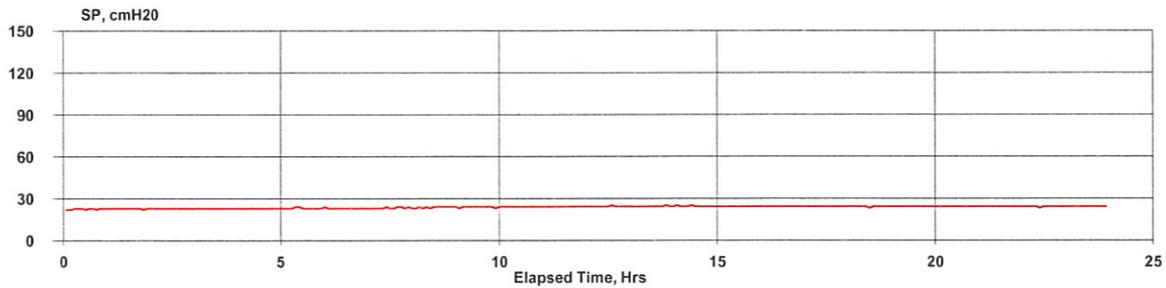
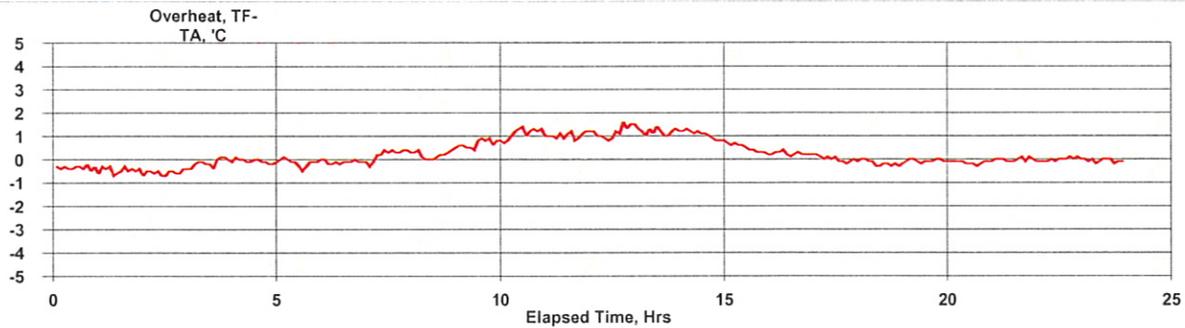
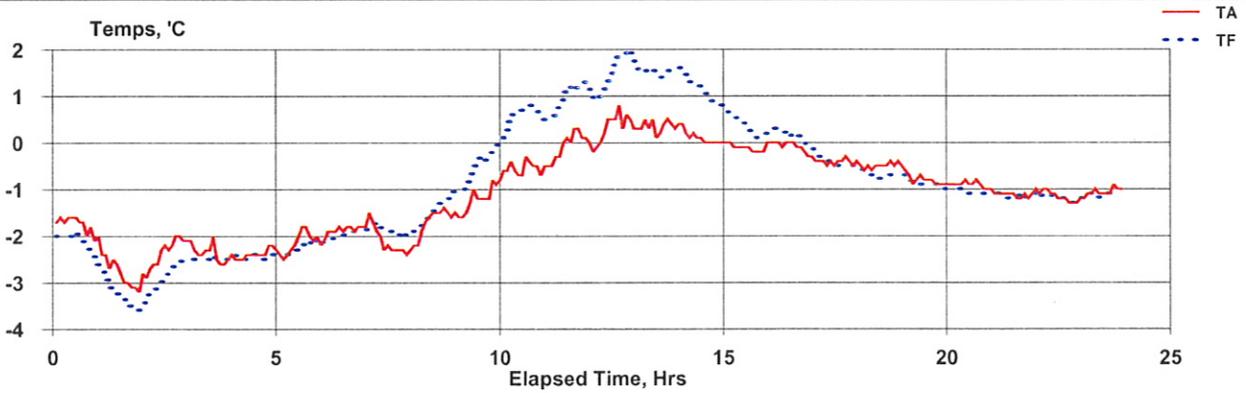
	Date	Time
	dd-mmm	hh:mm:ss
Start:	16-01-jan	0:00:08
Stop:	17-02-jan	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	9
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.043 m ³
Mass Conc:	0 µg/m ³

QCV 0.6 %
 Max overheat 1.7 °C
 occurred 01-jan 12:43:30

Notes 1:
 Notes 2:



Hourly

17-01-jan	0:05:08	578	-1.8	-2.1	-0.4	23	16.71
17-01-jan	1:05:08	577	-2.8	-3.3	-0.5	23	16.71
17-01-jan	2:05:08	577	-2.3	-2.9	-0.5	23	16.72
17-01-jan	3:05:08	577	-2.4	-2.5	-0.1	23	16.71
17-01-jan	4:05:08	576	-2.4	-2.5	-0.1	23	16.71
17-01-jan	5:05:08	576	-2.1	-2.3	-0.1	23	16.71
17-01-jan	6:05:08	576	-1.9	-2.0	-0.1	23	16.71
17-01-jan	7:05:08	576	-2.1	-1.9	0.2	23	16.70
17-01-jan	8:05:08	576	-1.7	-1.5	0.2	24	16.71
17-01-jan	9:05:08	576	-1.2	-0.5	0.7	24	16.71
17-01-jan	10:05:08	576	-0.5	0.6	1.1	24	16.71
17-01-jan	11:05:08	576	-0.1	1.0	1.0	24	16.72
17-01-jan	12:05:08	576	0.3	1.5	1.2	24	16.71
17-01-jan	13:05:08	575	0.4	1.5	1.2	24	16.71
17-01-jan	14:05:08	575	0.1	1.1	1.0	24	16.71
17-01-jan	15:05:08	575	-0.1	0.4	0.5	24	16.71
17-01-jan	16:05:08	575	-0.1	0.1	0.2	24	16.72
17-01-jan	17:05:08	575	-0.4	-0.4	0.0	24	16.72
17-01-jan	18:05:08	575	-0.5	-0.7	-0.2	24	16.71
17-01-jan	19:05:08	576	-0.8	-0.9	-0.1	24	16.71
17-01-jan	20:05:08	576	-0.9	-1.1	-0.2	24	16.71
17-01-jan	21:05:08	576	-1.1	-1.1	0.0	24	16.71
17-01-jan	22:05:08	576	-1.2	-1.2	0.0	24	16.71
17-01-jan	23:05:08	576	-1.1	-1.1	-0.1	24	16.71

BGI PQ200 Air Sampling System Downloaded 2017 10 jan 14:07:06

Job Details:

Job Name: 17Jan10A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8702:30
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	589	584	586	mmHg
TA	-0.2	-15.1	-5.7	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-07-jan	0:00:08
Stop:	17-08-jan	0:00:04
ET:	23:59	

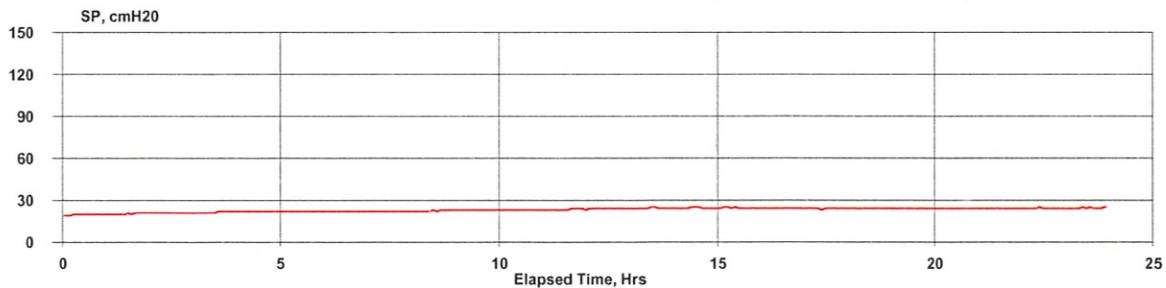
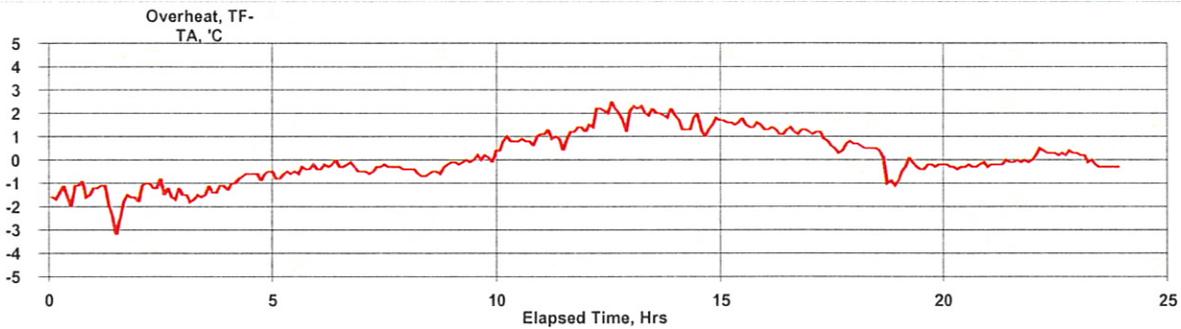
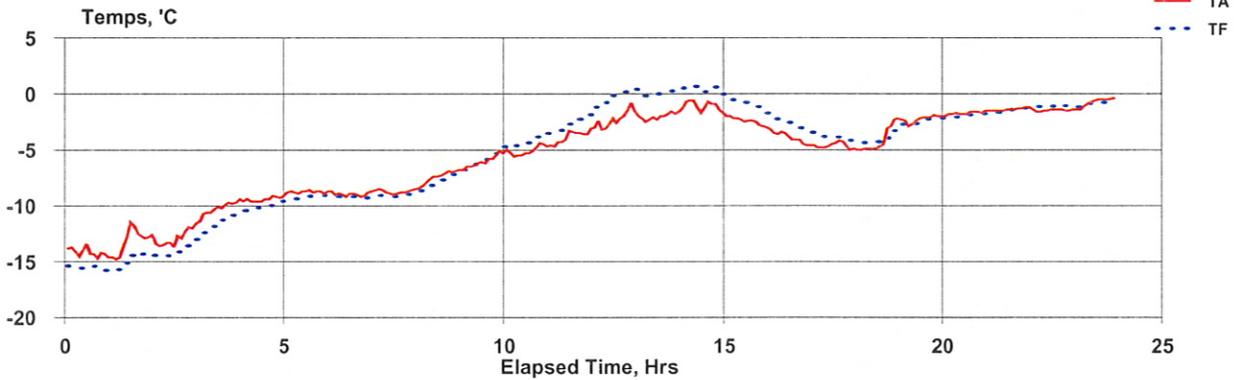
Mass Concentration Data:

Filter ID:	14	
Final Wt:		mg
Initial Wt:		mg
Delta Wt:	0.000	mg
Total Vol:	24.041	m ³
Mass Conc:	0	µg/m ³

QCV 0.62 %
 Max overheat 2.6 °C
 occurred 07-jan 12:34:21

Notes 1:

Notes 2:



Hourly

17-07-jan	0:05:08	585	-14.2	-15.6	-1.4	20	16.71
17-07-jan	1:05:08	585	-13.1	-14.9	-1.8	21	16.72
17-07-jan	2:05:08	585	-12.9	-14.1	-1.3	21	16.72
17-07-jan	3:05:08	585	-10.2	-11.6	-1.4	22	16.71
17-07-jan	4:05:08	585	-9.4	-10.1	-0.7	22	16.71
17-07-jan	5:05:08	586	-8.7	-9.3	-0.5	22	16.71
17-07-jan	6:05:08	586	-9.0	-9.2	-0.3	22	16.72
17-07-jan	7:05:08	586	-8.7	-9.1	-0.4	22	16.71
17-07-jan	8:05:08	587	-7.4	-7.9	-0.5	23	16.72
17-07-jan	9:05:08	587	-6.0	-6.0	0.0	23	16.72
17-07-jan	10:05:08	588	-5.1	-4.3	0.8	23	16.71
17-07-jan	11:05:08	588	-3.8	-2.8	1.1	23	16.71
17-07-jan	12:05:08	587	-2.3	-0.4	1.9	24	16.71
17-07-jan	13:05:08	587	-2.0	0.0	2.1	24	16.71
17-07-jan	14:05:08	586	-1.1	0.4	1.5	24	16.72
17-07-jan	15:05:08	587	-2.4	-0.9	1.5	24	16.70
17-07-jan	16:05:08	587	-3.9	-2.7	1.3	24	16.71
17-07-jan	17:05:08	587	-4.6	-3.9	0.8	24	16.71
17-07-jan	18:05:08	587	-4.1	-4.1	0.0	24	16.70
17-07-jan	19:05:08	588	-2.3	-2.5	-0.3	24	16.72
17-07-jan	20:05:08	588	-1.7	-2.0	-0.3	24	16.71
17-07-jan	21:05:08	588	-1.4	-1.5	-0.1	24	16.71
17-07-jan	22:05:08	588	-1.5	-1.2	0.3	24	16.69
17-07-jan	23:05:08	588	-0.8	-0.9	-0.2	24	16.71

BGI PQ200 Air Sampling System Downloaded 2017 17 jan 12:28:32

Job Details:

Job Name: 17Jan17A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8726:16
 Flags: P T

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	587	580	583	mmHg
TA	4.3	-3.9	-0.1	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-13-jan	0:00:08
Stop:	17-14-jan	0:00:05
ET:	23:46	

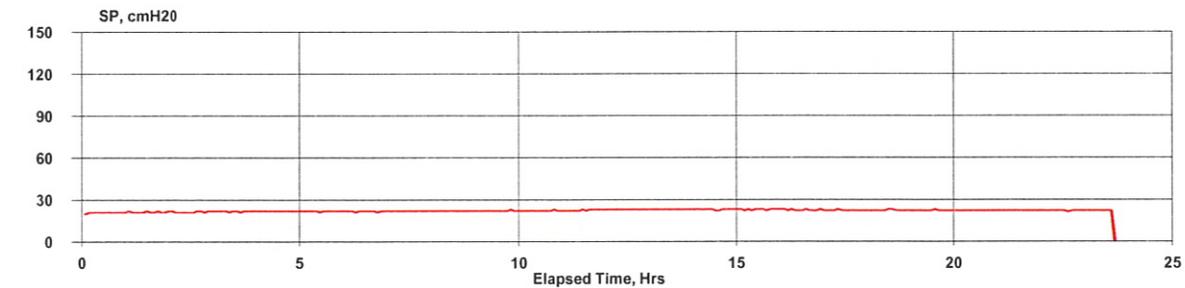
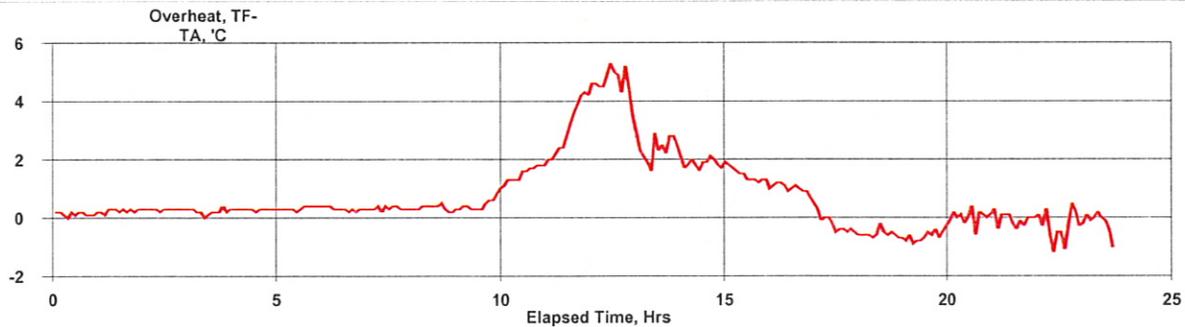
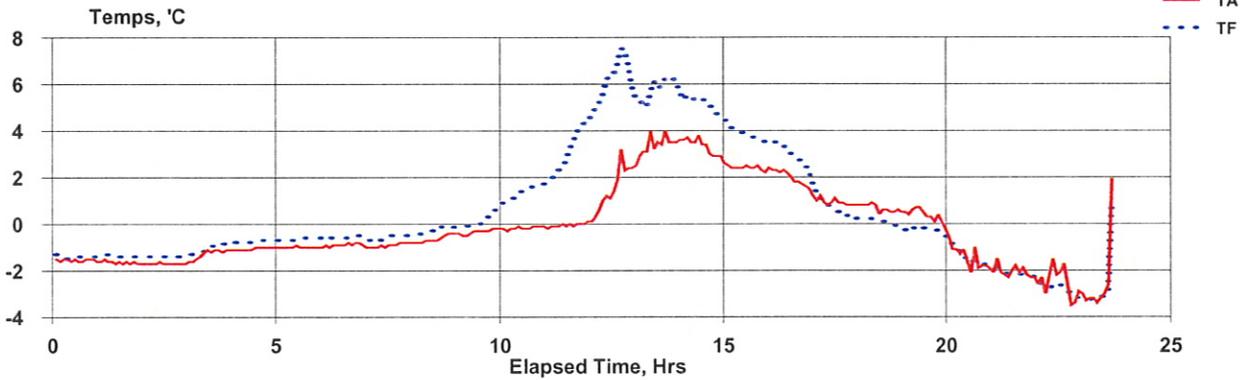
Mass Concentration Data:

Filter ID:	23
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	23.812 m ³
Mass Conc:	0 µg/m ³

QCV 0.7 %
 Max overheat 5.7 °C
 occurred 13-jan 12:26:47

Notes 1:

Notes 2:



Hourly

17-13-jan	0:05:08	582	-1.5	-1.4	0.1	21	16.72
17-13-jan	1:05:08	582	-1.6	-1.4	0.3	21	16.74
17-13-jan	2:05:08	582	-1.7	-1.4	0.3	21	16.70
17-13-jan	3:05:08	582	-1.2	-1.0	0.2	22	16.71
17-13-jan	4:05:08	582	-1.0	-0.7	0.3	22	16.71
17-13-jan	5:05:08	582	-1.0	-0.6	0.3	22	16.71
17-13-jan	6:05:08	583	-0.9	-0.6	0.3	22	16.71
17-13-jan	7:05:08	583	-0.9	-0.6	0.3	22	16.71
17-13-jan	8:05:08	583	-0.6	-0.3	0.3	22	16.71
17-13-jan	9:05:08	584	-0.3	0.2	0.5	22	16.71
17-13-jan	10:05:08	585	-0.2	1.4	1.5	22	16.71
17-13-jan	11:05:08	585	-0.1	3.1	3.1	23	16.71
17-13-jan	12:05:08	584	1.5	6.1	4.6	23	16.70
17-13-jan	13:05:08	584	3.4	5.8	2.4	23	16.71
17-13-jan	14:05:08	584	3.4	5.2	1.9	23	16.70
17-13-jan	15:05:08	584	2.4	3.9	1.5	23	16.72
17-13-jan	16:05:08	585	2.0	3.0	1.0	22	16.72
17-13-jan	17:05:08	585	0.9	0.8	-0.2	22	16.71
17-13-jan	18:05:08	586	0.7	0.1	-0.6	22	16.71
17-13-jan	19:05:08	586	0.4	-0.2	-0.7	22	16.72
17-13-jan	20:05:08	586	-1.3	-1.3	0.0	22	16.71
17-13-jan	21:05:08	586	-2.0	-2.1	-0.1	22	16.71
17-13-jan	22:05:08	586	-2.5	-2.7	-0.3	22	16.71
17-13-jan	23:05:08	586	-3.1	-3.2	-0.1	22	16.72
17-17-jan	12:25:50	584	1.9	0.9	-1.0		0.00

BGI PQ200 Air Sampling System Downloaded 2017 27 jan 17:06:32

Job Details:

Job Name: 17Jan27A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8736:56
 Flags: P T

Job Code:
 Site Name: 962A
 Station Code:
 Operators: kn
 User1:
 User2:

	Max	Min	Avg	Units
BP	580	577	578	mmHg
TA	-0.7	-3.7	-2.2	°C
Q	---	---	16.71	Lpm

Timer Information:

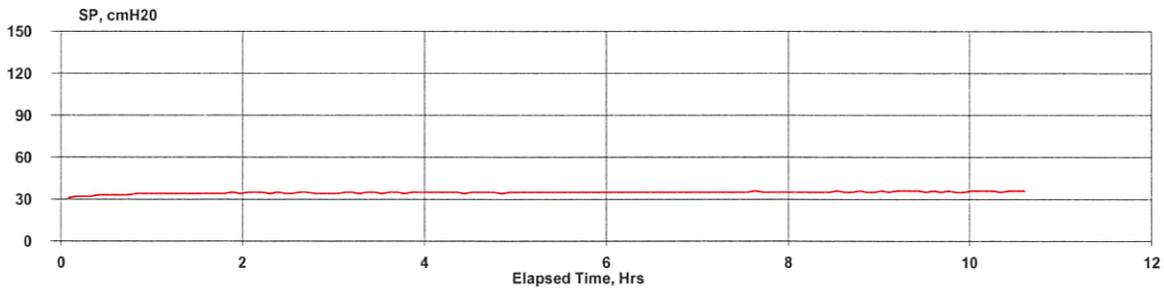
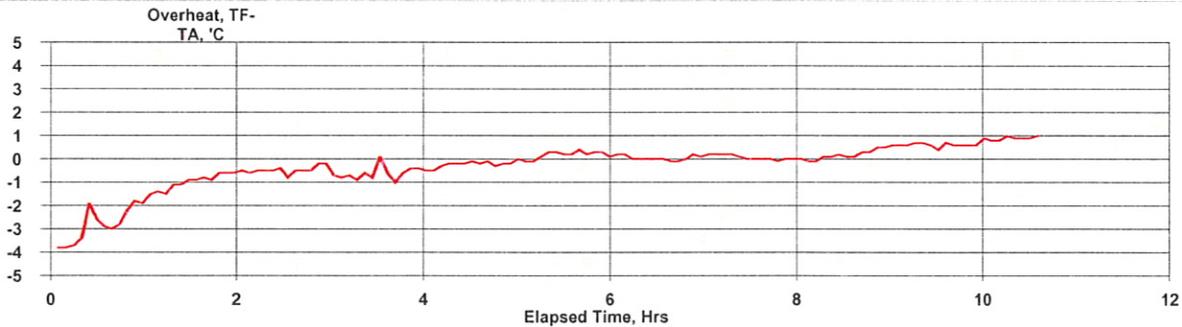
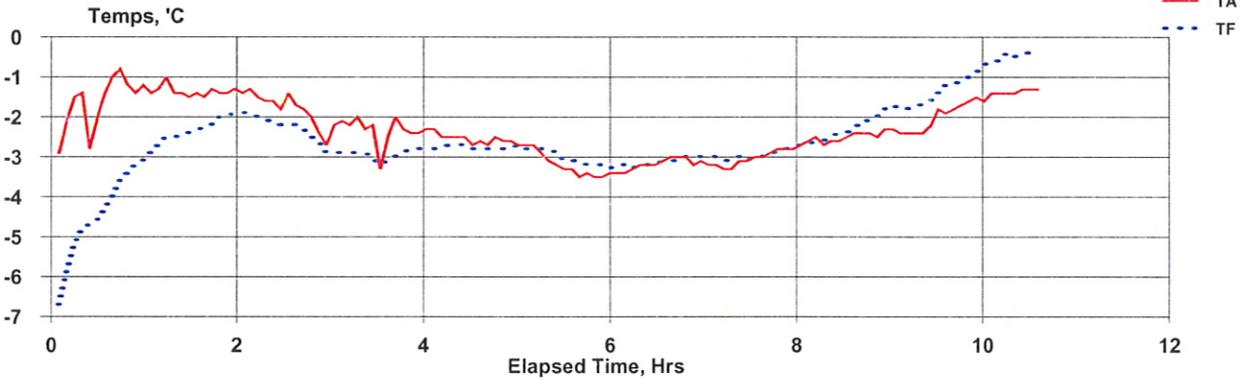
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-19-jan	0:00:08
Stop:	17-20-jan	0:00:13
ET:	10:40	

Mass Concentration Data:

Filter ID:	17
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	10.685 m ³
Mass Conc:	0 µg/m ³

QCV 0.21 %
 Max overheat 1.7 °C
 occurred 27-jan 17:03:15

Notes 1:
 Notes 2:



Hourly

17-19-jan	0:05:08	580	-1.6	-4.5	-2.8	33	16.71
17-19-jan	1:05:08	579	-1.4	-2.4	-1.0	34	16.71
17-19-jan	2:05:08	579	-1.8	-2.2	-0.5	35	16.72
17-19-jan	3:05:08	579	-2.3	-2.9	-0.6	35	16.71
17-19-jan	4:05:08	578	-2.5	-2.8	-0.3	35	16.71
17-19-jan	5:05:08	578	-3.2	-3.0	0.2	35	16.72
17-19-jan	6:05:08	578	-3.2	-3.2	0.0	35	16.70
17-19-jan	7:05:08	578	-3.1	-3.0	0.1	35	16.70
17-19-jan	8:05:08	578	-2.5	-2.4	0.2	35	16.71
17-19-jan	9:05:08	578	-2.0	-1.4	0.6	36	16.71
17-19-jan	10:05:08	578	-1.4	-0.5	0.9	36	16.72

BGI PQ200 Air Sampling System Downloaded 2017 02 feb 13:42:56

Job Details:

Job Name: 17Feb02A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8738:09
 Flags: T

Job Code:
 Site Name: 962A
 Station Code:
 Operators: KN
 User1:
 User2:

	Max	Min	Avg	Units
BP	587	585	586	mmHg
TA	-2.7	-5.3	-3.8	°C
Q	---	---	16.71	Lpm

Timer Information:

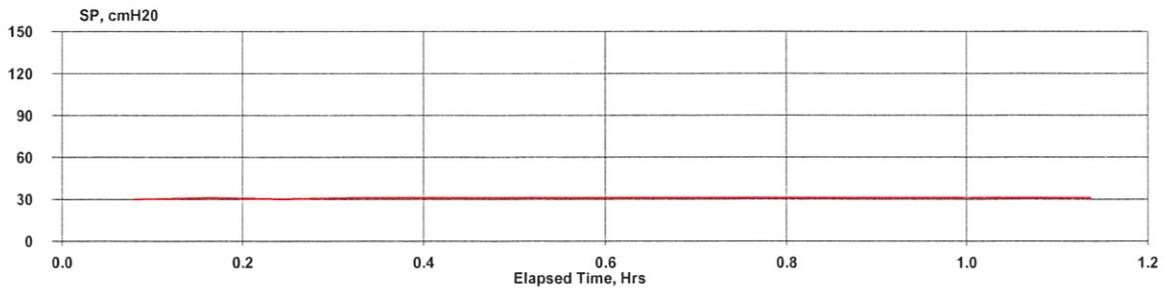
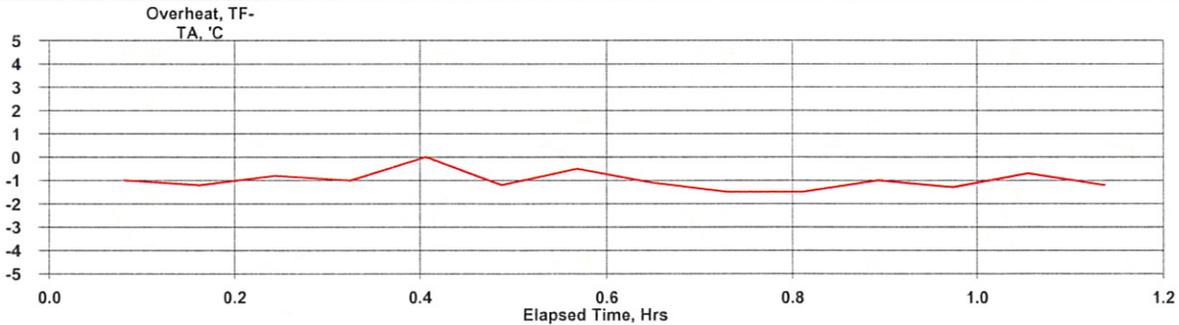
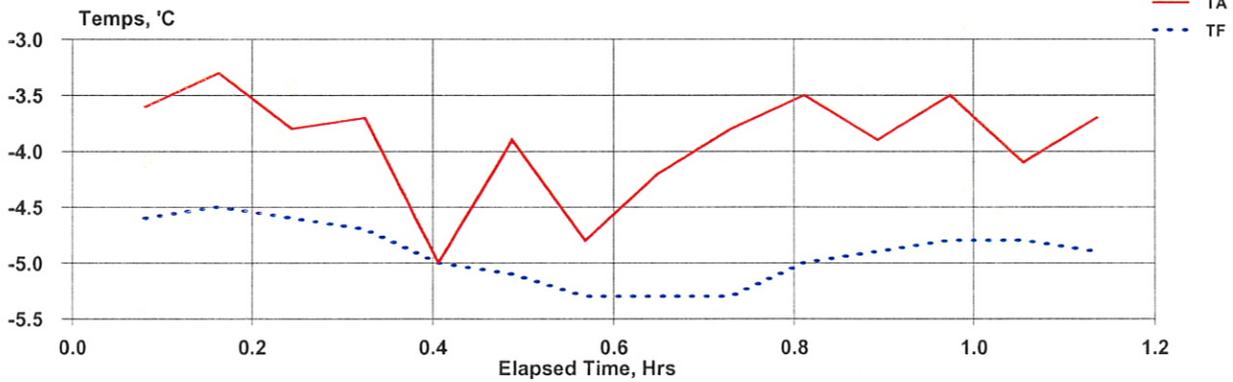
Date	Time
dd-mmm	hh:mm:ss
Start: 17-31-jan	0:00:08
Stop: 17-01-feb	0:00:13
ET: <input type="text" value="1:13"/>	

Mass Concentration Data:

Filter ID:	<input type="text" value="33"/>
Final Wt:	<input type="text"/> mg
Initial Wt:	<input type="text"/> mg
Delta Wt:	<input type="text" value="0.000"/> mg
Total Vol:	<input type="text" value="1.232"/> m ³
Mass Conc:	<input type="text" value="0"/> µg/m ³

QCV %
 Max overheat °C
 occurred

Notes 1:
 Notes 2:



Hourly

17-31-jan	0:05:08	586	-3.9	-4.9	-1.0	31	16.72
17-31-jan	1:05:08	586	-3.9	-4.9	-1.0	31	16.71

BGI PQ200 Air Sampling System Downloaded 2017 08 feb 11:14:02

Job Details:

Job Name: 17Feb08A.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4320:55
 Flags:

Job Code:
 Site Name: 963B
 Station Code:
 Operators: KN
 User1: |||||
 User2:

	Max	Min	Avg	Units
BP	588	584	586	mmHg
TA	2.4	-1	1.2	°C
Q	---	---	16.71	Lpm

Timer Information:

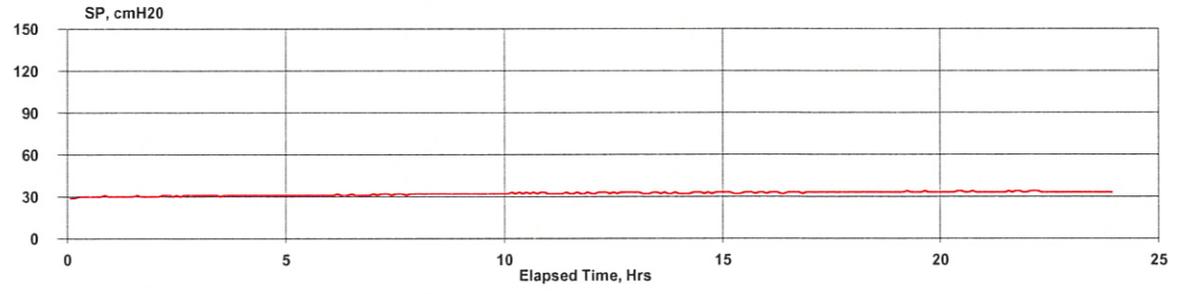
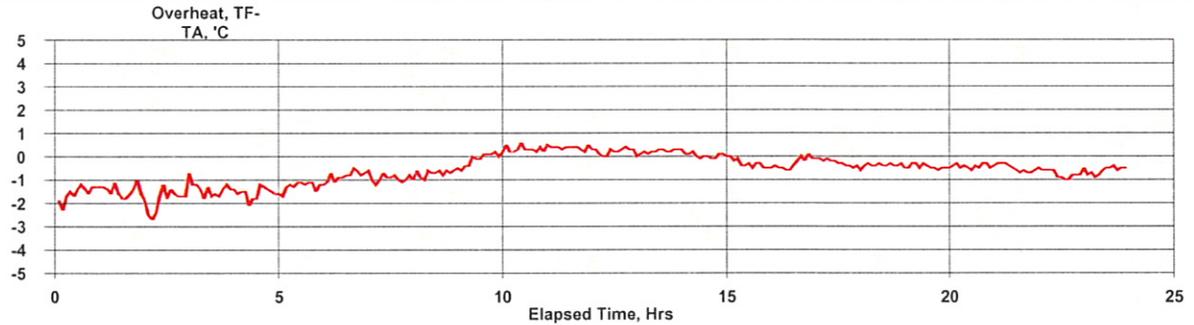
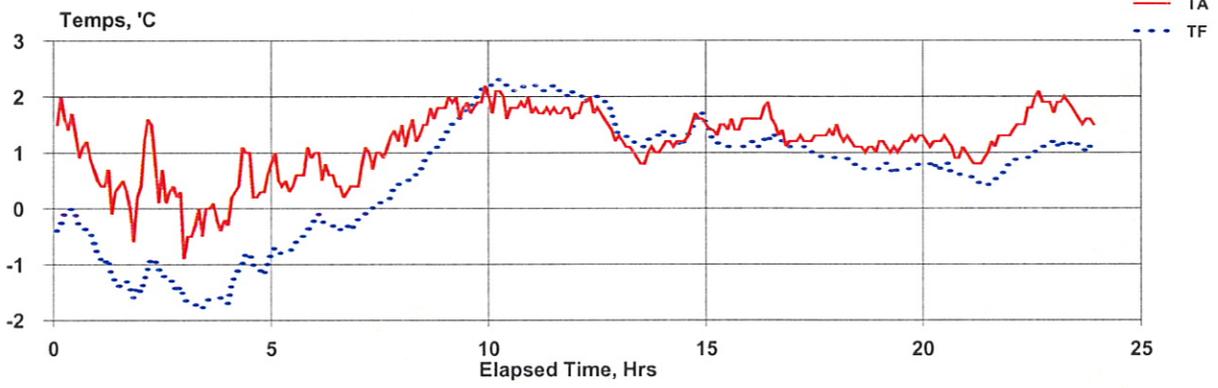
Date	Time
dd-mmm	hh:mm:ss
Start: 17-06-feb	0:00:08
Stop: 17-07-feb	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	34
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV 0.54 %
 Max overheat 1.6 °C
 occurred 07-feb 15:00:45

Notes 1:
 Notes 2:



Hourly

17-06-feb	0:05:08	586	1.2	-0.3	-1.6	30	16.71
17-06-feb	1:05:08	586	0.2	-1.3	-1.5	30	16.71
17-06-feb	2:05:08	586	0.5	-1.2	-1.8	31	16.71
17-06-feb	3:05:08	586	-0.2	-1.7	-1.4	31	16.71
17-06-feb	4:05:08	586	0.5	-1.0	-1.6	31	16.71
17-06-feb	5:05:08	586	0.7	-0.6	-1.3	31	16.71
17-06-feb	6:05:08	586	0.5	-0.3	-0.8	31	16.72
17-06-feb	7:05:08	586	1.1	0.1	-1.0	32	16.71
17-06-feb	8:05:08	586	1.5	0.8	-0.7	32	16.71
17-06-feb	9:05:08	586	1.9	1.8	-0.1	32	16.71
17-06-feb	10:05:08	587	1.9	2.2	0.3	33	16.71
17-06-feb	11:05:08	587	1.7	2.1	0.4	32	16.70
17-06-feb	12:05:08	587	1.6	1.8	0.2	33	16.70
17-06-feb	13:05:08	586	1.0	1.2	0.2	32	16.70
17-06-feb	14:05:08	586	1.4	1.4	0.0	33	16.71
17-06-feb	15:05:08	586	1.5	1.1	-0.3	33	16.71
17-06-feb	16:05:08	586	1.5	1.2	-0.3	33	16.72
17-06-feb	17:05:08	587	1.3	1.0	-0.3	33	16.72
17-06-feb	18:05:08	587	1.1	0.8	-0.4	33	16.71
17-06-feb	19:05:08	587	1.2	0.7	-0.5	33	16.70
17-06-feb	20:05:08	587	1.1	0.7	-0.4	33	16.71
17-06-feb	21:05:08	587	1.1	0.5	-0.5	33	16.71
17-06-feb	22:05:08	587	1.8	1.0	-0.8	33	16.71
17-06-feb	23:05:08	587	1.7	1.1	-0.6	33	16.71

BGI PQ200 Air Sampling System Downloaded 2017 14 feb 11:03:50

Job Details:

Job Name: 17Feb14A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8786:07
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	587	584	585	mmHg
TA	6.8	-2	0.9	°C
Q	---	---	16.71	Lpm

Timer Information:

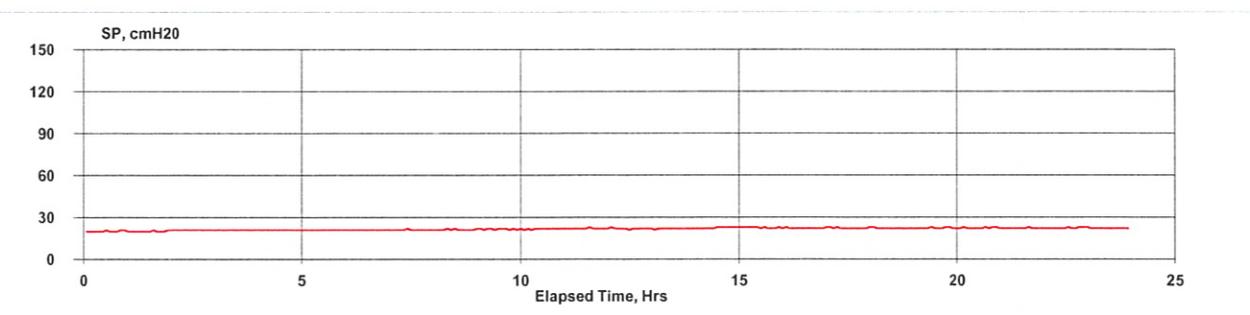
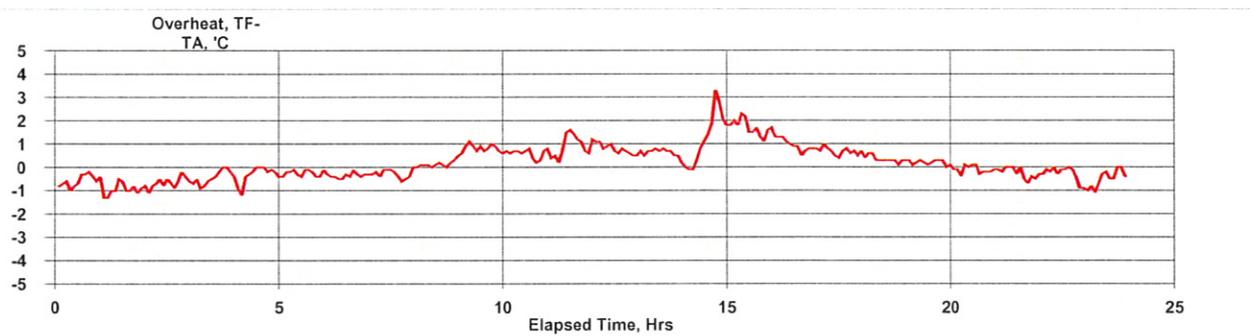
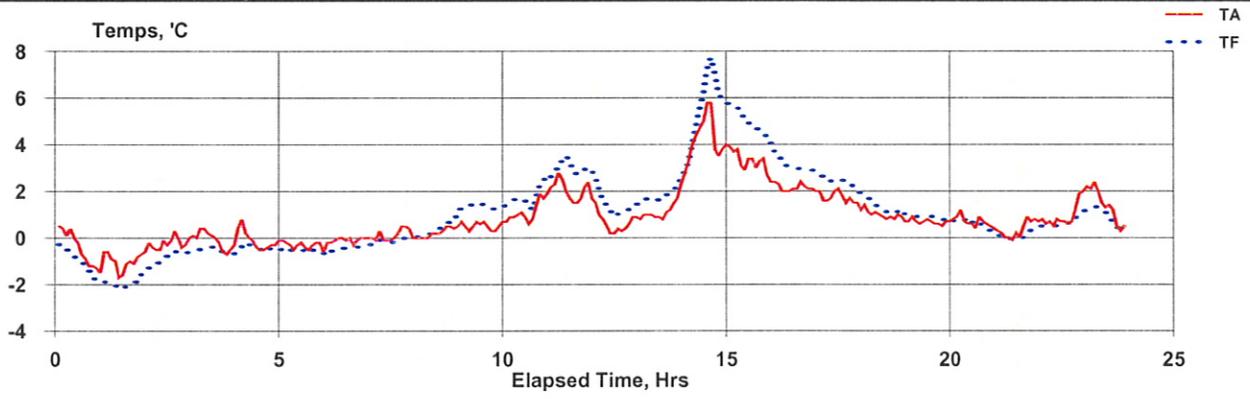
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-12-feb	0:00:08
Stop:	17-13-feb	0:00:04
ET:	23:59	

Mass Concentration Data:

Filter ID:	14
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV 0.57 %
 Max overheat 3.5 °C
 occurred 12-feb 14:46:16

Notes 1:
 Notes 2:



Hourly

17-12-feb	0:05:08	585	-0.5	-1.0	-0.6	20	16.71
17-12-feb	1:05:08	585	-1.0	-1.9	-0.9	20	16.72
17-12-feb	2:05:08	585	-0.2	-0.9	-0.6	21	16.72
17-12-feb	3:05:08	585	-0.1	-0.5	-0.4	21	16.71
17-12-feb	4:05:08	585	-0.1	-0.4	-0.3	21	16.71
17-12-feb	5:05:08	585	-0.3	-0.6	-0.2	21	16.70
17-12-feb	6:05:08	585	-0.1	-0.4	-0.4	21	16.71
17-12-feb	7:05:08	586	0.1	-0.2	-0.3	21	16.71
17-12-feb	8:05:08	587	0.2	0.4	0.1	21	16.72
17-12-feb	9:05:08	587	0.5	1.3	0.8	22	16.71
17-12-feb	10:05:08	587	1.2	1.8	0.6	22	16.71
17-12-feb	11:05:08	587	2.0	3.0	0.9	22	16.71
17-12-feb	12:05:08	587	0.6	1.4	0.8	22	16.70
17-12-feb	13:05:08	587	1.2	1.8	0.6	22	16.71
17-12-feb	14:05:08	586	4.2	5.5	1.3	23	16.72
17-12-feb	15:05:08	586	3.3	5.0	1.7	23	16.71
17-12-feb	16:05:08	586	2.1	3.1	1.0	22	16.71
17-12-feb	17:05:08	586	1.7	2.4	0.7	22	16.71
17-12-feb	18:05:08	586	1.0	1.3	0.3	22	16.71
17-12-feb	19:05:08	586	0.7	0.9	0.2	22	16.71
17-12-feb	20:05:08	586	0.7	0.6	-0.1	22	16.71
17-12-feb	21:05:08	586	0.4	0.1	-0.3	22	16.72
17-12-feb	22:05:08	586	0.9	0.7	-0.3	22	16.72
17-12-feb	23:05:08	586	1.4	0.9	-0.5	22	16.72

BGI PQ200 Air Sampling System Downloaded 2017 21 feb 12:06:38

Job Details:

Job Name: 17Feb21A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8810:06
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	577	574	574	mmHg
TA	3.3	0.3	1.9	°C
Q	---	---	16.7	Lpm

Timer Information:

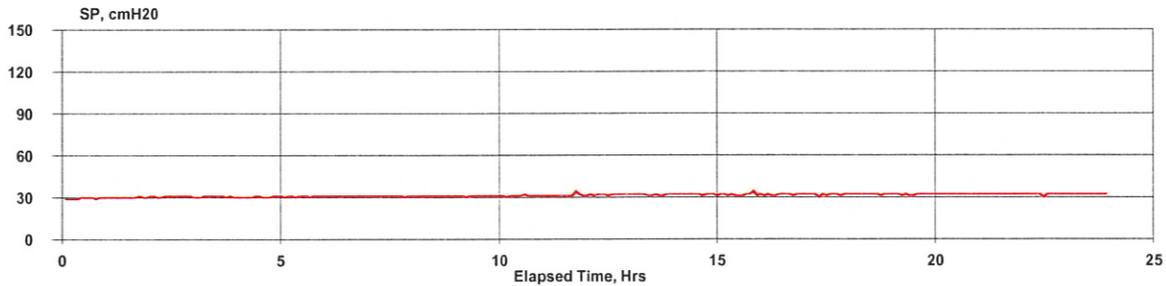
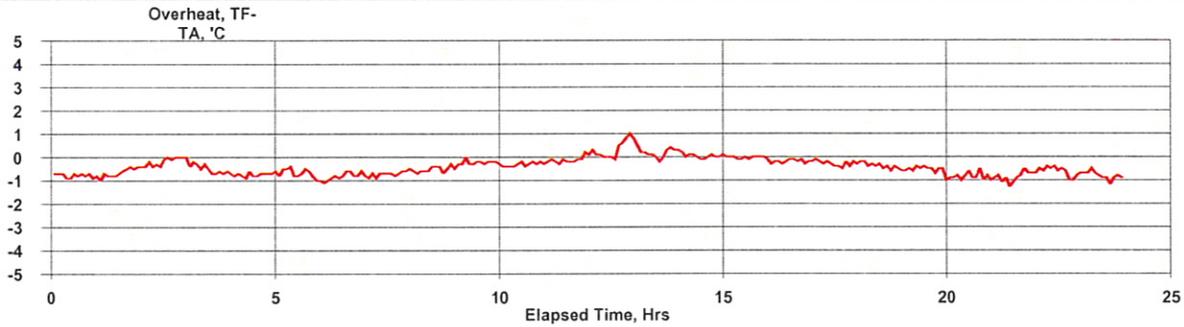
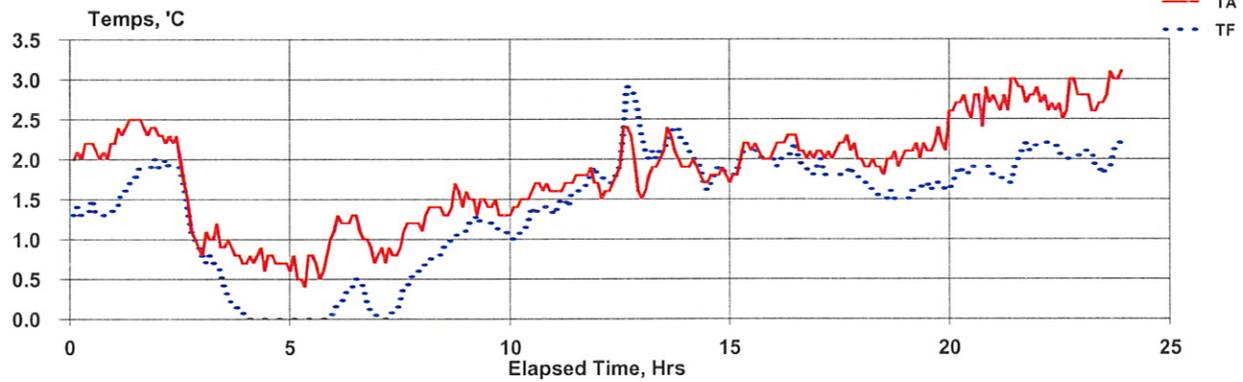
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-18-feb	0:00:08
Stop:	17-19-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	25
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.023 m ³
Mass Conc:	0 µg/m ³

QCV 0.63 %
 Max overheat 3 °C
 occurred 19-feb 16:35:44

Notes 1:
 Notes 2:



Hourly

17-18-feb	0:05:08	576	2.1	1.3	-0.8	30	16.71
17-18-feb	1:05:08	576	2.4	1.8	-0.6	30	16.71
17-18-feb	2:05:08	576	1.7	1.5	-0.2	31	16.71
17-18-feb	3:05:08	575	0.9	0.4	-0.5	31	16.71
17-18-feb	4:05:08	575	0.7	0.0	-0.7	30	16.70
17-18-feb	5:05:08	575	0.7	0.0	-0.7	31	16.71
17-18-feb	6:05:08	575	1.1	0.3	-0.8	31	16.71
17-18-feb	7:05:08	575	1.0	0.3	-0.7	31	16.73
17-18-feb	8:05:08	575	1.4	0.9	-0.5	31	16.69
17-18-feb	9:05:08	575	1.4	1.2	-0.2	31	16.66
17-18-feb	10:05:08	575	1.6	1.3	-0.3	31	16.68
17-18-feb	11:05:08	575	1.7	1.6	-0.1	31	16.74
17-18-feb	12:05:08	574	1.9	2.2	0.3	32	16.74
17-18-feb	13:05:08	574	2.0	2.2	0.2	32	16.71
17-18-feb	14:05:08	574	1.8	1.9	0.0	32	16.70
17-18-feb	15:05:08	574	2.0	2.0	0.0	32	16.78
17-18-feb	16:05:08	574	2.2	2.0	-0.2	32	16.72
17-18-feb	17:05:08	574	2.1	1.8	-0.3	32	16.66
17-18-feb	18:05:08	575	2.0	1.6	-0.4	32	16.70
17-18-feb	19:05:08	575	2.2	1.6	-0.6	32	16.64
17-18-feb	20:05:08	575	2.7	1.9	-0.8	32	16.70
17-18-feb	21:05:08	575	2.8	1.9	-0.9	32	16.71
17-18-feb	22:05:08	575	2.7	2.1	-0.6	32	16.63
17-18-feb	23:05:08	575	2.8	2.0	-0.8	32	16.70

BGI PQ200 Air Sampling System Downloaded 2017 27 feb 14:22:21

Job Details:

Job Name: 17Feb27A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8834:05
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	582	576	579	mmHg
TA	-0.8	-13.4	-7.2	°C
Q	---	---	16.71	Lpm

Timer Information:

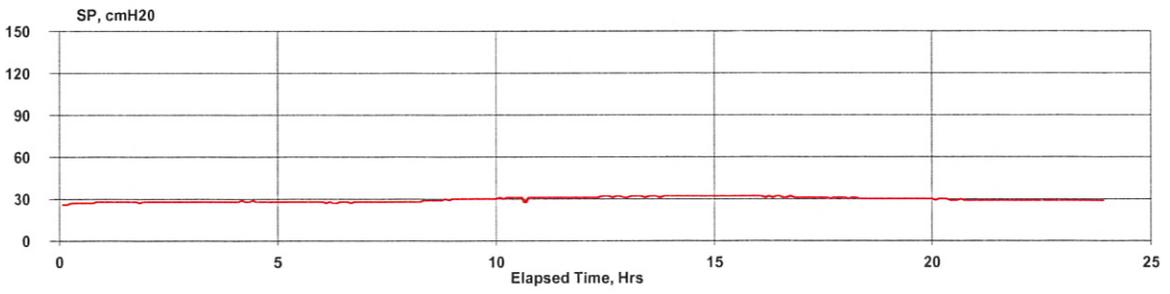
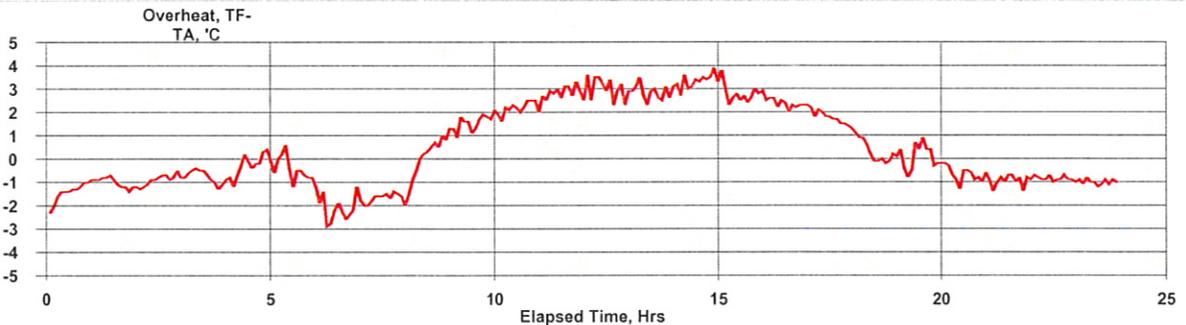
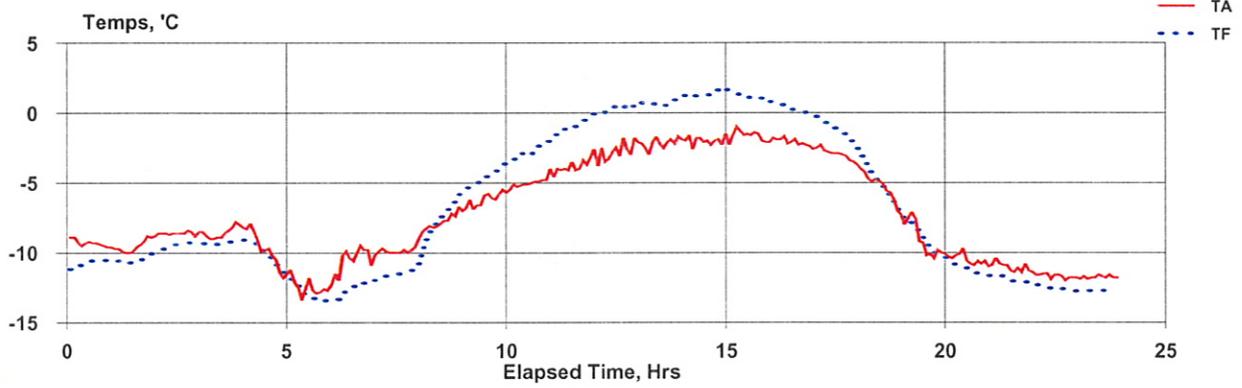
Date	Time
dd-mmm	hh:mm:ss
Start: 17-24-feb	0:00:08
Stop: 17-25-feb	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	41
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.035 m ³
Mass Conc:	0 µg/m ³

QCV 0.68 %
 Max overheat 4.2 °C
 occurred 24-feb 14:55:39

Notes 1:
 Notes 2:



Hourly

17-24-feb	0:05:08	578	-9.3	-10.7	-1.4	27	16.70
17-24-feb	1:05:08	578	-9.5	-10.5	-1.0	28	16.70
17-24-feb	2:05:08	578	-8.6	-9.5	-0.9	28	16.69
17-24-feb	3:05:08	578	-8.5	-9.3	-0.8	28	16.71
17-24-feb	4:05:08	578	-9.9	-10.1	-0.3	28	16.69
17-24-feb	5:05:08	578	-12.5	-13.0	-0.5	28	16.71
17-24-feb	6:05:08	578	-10.4	-12.5	-2.1	28	16.71
17-24-feb	7:05:08	579	-9.8	-11.5	-1.7	28	16.71
17-24-feb	8:05:08	579	-7.7	-7.5	0.2	29	16.72
17-24-feb	9:05:08	580	-6.2	-4.6	1.6	30	16.71
17-24-feb	10:05:08	580	-5.0	-2.8	2.2	31	16.57
17-24-feb	11:05:08	580	-3.8	-0.9	2.8	31	16.70
17-24-feb	12:05:08	581	-2.7	0.3	3.0	31	16.72
17-24-feb	13:05:08	580	-2.2	0.7	2.9	32	16.72
17-24-feb	14:05:08	580	-2.0	1.3	3.3	32	16.71
17-24-feb	15:05:08	580	-1.7	1.1	2.8	32	16.72
17-24-feb	16:05:08	581	-2.1	0.2	2.4	31	16.71
17-24-feb	17:05:08	581	-3.0	-1.2	1.7	31	16.68
17-24-feb	18:05:08	581	-5.4	-5.1	0.3	30	16.71
17-24-feb	19:05:08	581	-9.1	-9.0	0.1	30	16.73
17-24-feb	20:05:08	582	-10.5	-11.2	-0.7	29	16.72
17-24-feb	21:05:08	582	-11.1	-12.0	-1.0	29	16.72
17-24-feb	22:05:08	582	-11.7	-12.6	-0.9	29	16.71
17-24-feb	23:05:08	582	-11.8	-12.8	-1.0	29	16.72

BGI PQ200 Air Sampling System Downloaded 2017 03 mar 12:02:27

Job Details:

Job Name: 17Mar03A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8858:05
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	591	588	589	mmHg
TA	9	-11.3	-1.3	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-02-mar	0:00:08
Stop:	17-03-mar	0:00:05
ET:	24:00:00	

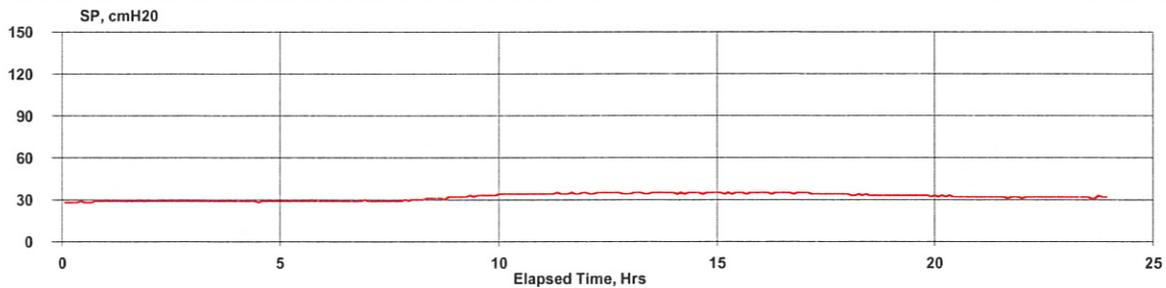
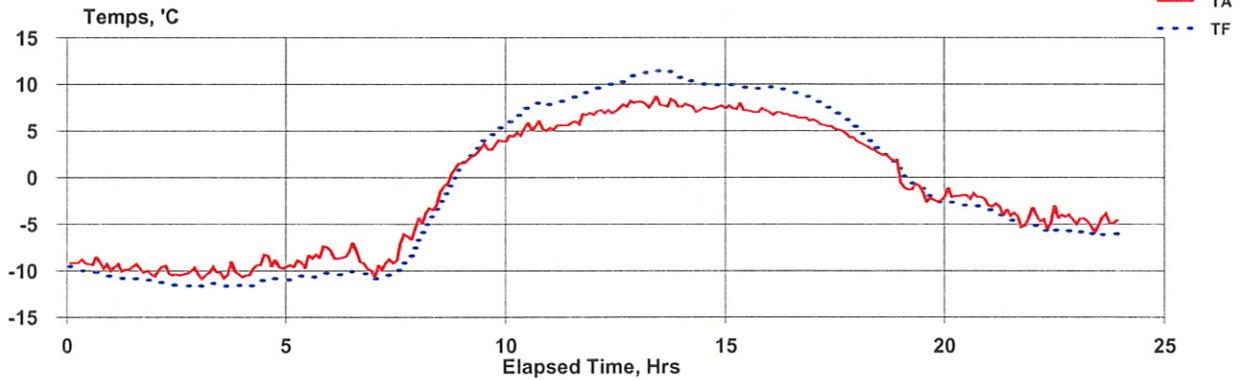
Mass Concentration Data:

Filter ID:	38
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.035 m ³
Mass Conc:	0 µg/m ³

QCV 0.73 %
 Max overheat 3.9 °C
 occurred 02-mar 13:13:54

Notes 1:

Notes 2:



Hourly

17-02-mar	0:05:12	589	-9.3	-10.2	-0.9	28	16.70
17-02-mar	1:05:12	589	-9.9	-10.9	-1.0	29	16.71
17-02-mar	2:05:12	589	-10.2	-11.5	-1.4	29	16.71
17-02-mar	3:05:12	589	-10.3	-11.6	-1.3	29	16.71
17-02-mar	4:05:12	589	-9.5	-11.2	-1.7	29	16.73
17-02-mar	5:05:12	589	-8.6	-10.7	-2.1	29	16.73
17-02-mar	6:05:12	590	-8.9	-10.4	-1.5	29	16.70
17-02-mar	7:05:12	590	-7.6	-9.6	-2.0	29	16.70
17-02-mar	8:05:12	590	-1.4	-2.4	-1.0	31	16.66
17-02-mar	9:05:12	591	3.1	3.9	0.8	33	16.69
17-02-mar	10:05:12	591	5.1	7.3	2.1	34	16.72
17-02-mar	11:05:12	591	6.0	8.6	2.5	34	16.71
17-02-mar	12:05:12	590	7.5	10.2	2.7	35	16.71
17-02-mar	13:05:12	590	7.9	11.1	3.2	35	16.72
17-02-mar	14:05:12	589	7.5	10.0	2.6	35	16.73
17-02-mar	15:05:12	589	7.3	9.6	2.4	35	16.72
17-02-mar	16:05:12	589	6.6	9.1	2.5	35	16.73
17-02-mar	17:05:12	589	5.1	6.9	1.8	34	16.72
17-02-mar	18:05:12	589	2.4	2.9	0.4	33	16.72
17-02-mar	19:05:12	589	-1.8	-1.5	0.3	33	16.72
17-02-mar	20:05:12	589	-2.0	-3.0	-1.0	32	16.72
17-02-mar	21:05:12	589	-3.9	-4.6	-0.7	32	16.68
17-02-mar	22:05:12	589	-4.4	-5.6	-1.2	32	16.71
17-02-mar	23:05:12	589	-4.8	-6.1	-1.3	32	16.76

BGI PQ200 Air Sampling System Downloaded 2017 10 mar 10:59:21

Job Details:

Job Name: 17Mar10A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8882:04
 Flags: F

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	588	586	587	mmHg
TA	16.1	-4.4	5.2	°C
Q	---	---	16.7	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-08-mar	0:00:08
Stop:	17-09-mar	0:00:05
ET:	23:59	

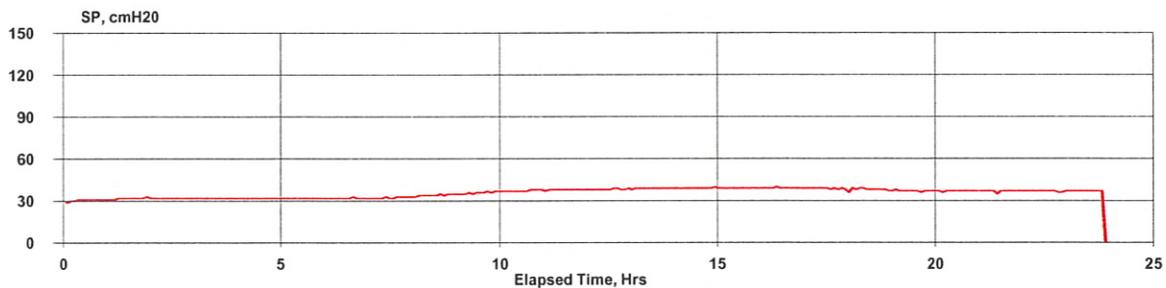
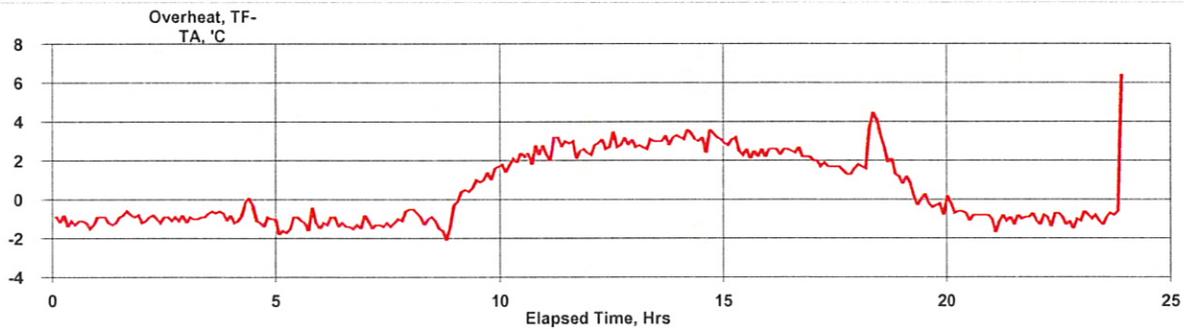
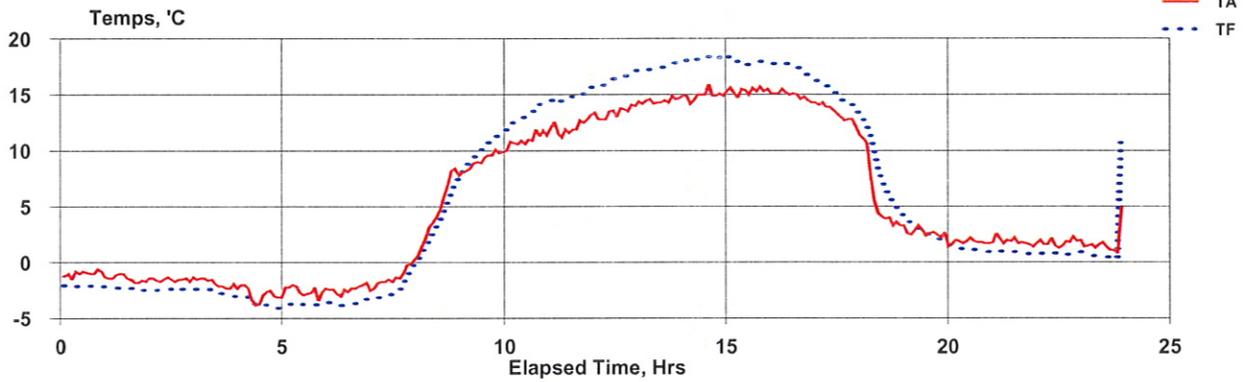
Mass Concentration Data:

Filter ID:	53
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.033 m ³
Mass Conc:	0 µg/m ³

QCV: 0.49 %
 Max overheat: 7.6 °C
 occurred 09-mar 18:32:00

Notes 1:

Notes 2:



Hourly

17-08-mar	0:05:08	588	-1.0	-2.1	-1.2	31	16.71
17-08-mar	1:05:08	588	-1.4	-2.4	-1.0	32	16.77
17-08-mar	2:05:08	587	-1.5	-2.5	-1.0	32	16.71
17-08-mar	3:05:08	587	-1.9	-2.7	-0.8	32	16.72
17-08-mar	4:05:08	587	-2.9	-3.7	-0.8	32	16.71
17-08-mar	5:05:08	587	-2.5	-3.8	-1.3	32	16.71
17-08-mar	6:05:08	587	-2.4	-3.6	-1.2	32	16.71
17-08-mar	7:05:08	587	-1.2	-2.3	-1.1	33	16.71
17-08-mar	8:05:08	588	4.8	3.7	-1.1	34	16.71
17-08-mar	9:05:08	588	9.2	10.0	0.9	36	16.71
17-08-mar	10:05:08	588	11.0	13.1	2.1	37	16.71
17-08-mar	11:05:08	588	12.2	14.8	2.7	38	16.71
17-08-mar	12:05:08	588	13.4	16.3	2.9	38	16.71
17-08-mar	13:05:08	587	14.5	17.4	3.0	39	16.72
17-08-mar	14:05:08	587	14.9	18.1	3.2	39	16.69
17-08-mar	15:05:08	587	15.3	17.9	2.6	39	16.68
17-08-mar	16:05:08	587	14.9	17.4	2.5	39	16.70
17-08-mar	17:05:08	587	13.4	15.1	1.7	39	16.70
17-08-mar	18:05:08	587	6.1	8.6	2.5	38	16.64
17-08-mar	19:05:08	587	2.7	2.8	0.1	37	16.70
17-08-mar	20:05:08	587	1.8	1.2	-0.6	37	16.71
17-08-mar	21:05:08	587	1.9	0.9	-1.0	37	16.66
17-08-mar	22:05:08	587	1.8	0.7	-1.1	37	16.70
17-08-mar	23:05:08	587	1.4	0.5	-0.9	37	16.70
17-09-mar	18:47:09	588	4.9	11.3	6.4		0.00

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 09:26:37

Job Details:

Job Name: 17Mar16A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8906:03
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	589	586	588	mmHg
TA	21	1.4	9.9	°C
Q	---	---	16.7	Lpm

Timer Information:

Date Time
 dd-mmm hh:mm:ss
 Start: 17-14-mar 0:00:08
 Stop: 17-15-mar 0:00:05
 ET: 23:59

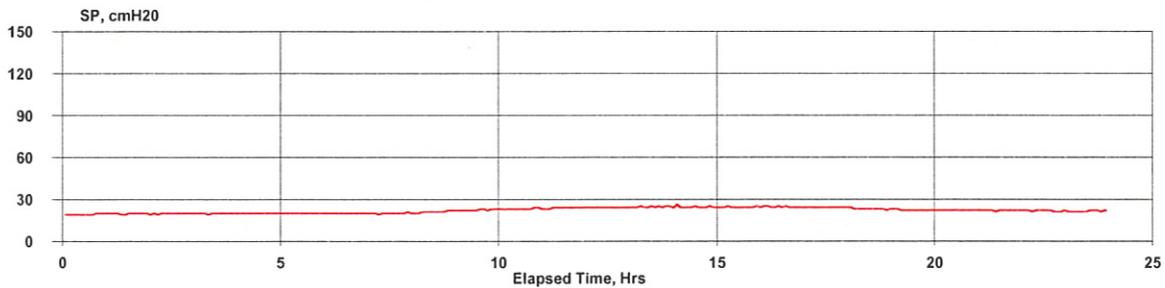
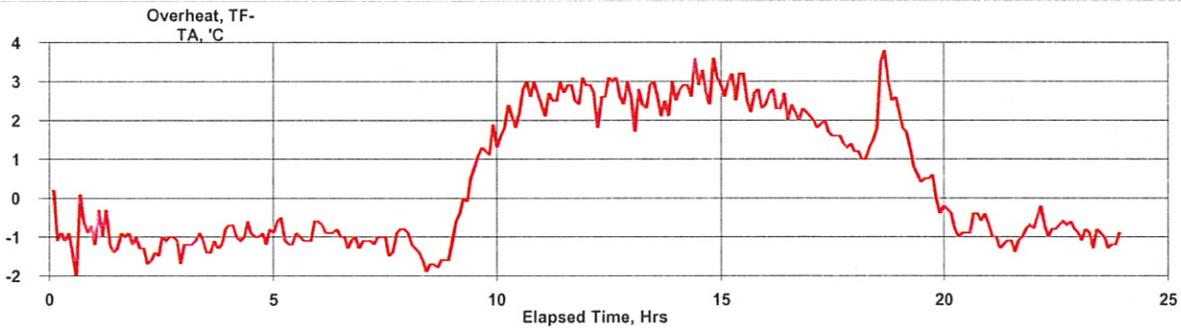
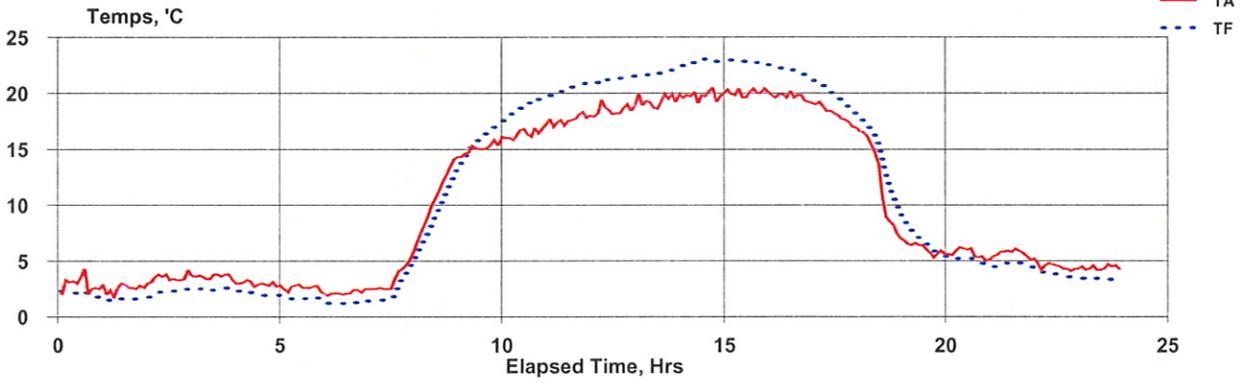
Mass Concentration Data:

Filter ID: 5
 Final Wt: mg
 Initial Wt: mg
 Delta Wt: 0.000 mg
 Total Vol: 24.039 m³
 Mass Conc: 0 µg/m³

QCV 0.57 %
 Max overheat 6.1 °C
 occurred 15-mar 18:44:57

Notes 1:

Notes 2:



Hourly

17-14-mar	0:05:08	587	2.9	2.0	-0.9	19	16.71
17-14-mar	1:05:08	588	2.6	1.6	-1.0	20	16.71
17-14-mar	2:05:08	588	3.5	2.2	-1.3	20	16.72
17-14-mar	3:05:08	588	3.6	2.5	-1.1	20	16.72
17-14-mar	4:05:08	588	3.0	2.0	-0.9	20	16.71
17-14-mar	5:05:08	588	2.6	1.6	-0.9	20	16.71
17-14-mar	6:05:08	588	2.2	1.2	-1.0	20	16.71
17-14-mar	7:05:08	589	3.5	2.5	-1.1	20	16.72
17-14-mar	8:05:08	589	10.8	9.3	-1.5	21	16.71
17-14-mar	9:05:08	589	15.1	15.8	0.7	22	16.71
17-14-mar	10:05:08	589	16.4	18.8	2.4	23	16.71
17-14-mar	11:05:08	589	17.7	20.3	2.7	24	16.71
17-14-mar	12:05:08	589	18.5	21.2	2.7	24	16.71
17-14-mar	13:05:08	588	19.4	21.8	2.5	24	16.71
17-14-mar	14:05:08	588	19.8	22.8	3.0	24	16.75
17-14-mar	15:05:08	588	20.1	22.8	2.7	24	16.71
17-14-mar	16:05:08	588	19.7	22.0	2.3	24	16.76
17-14-mar	17:05:08	588	18.1	19.7	1.6	24	16.71
17-14-mar	18:05:08	588	12.0	14.1	2.1	23	16.71
17-14-mar	19:05:08	588	6.1	6.7	0.6	22	16.71
17-14-mar	20:05:08	588	5.6	5.0	-0.6	22	16.72
17-14-mar	21:05:08	588	5.6	4.6	-1.0	22	16.71
17-14-mar	22:05:08	588	4.5	3.8	-0.7	22	16.71
17-14-mar	23:05:08	588	4.4	3.4	-1.0	21	16.71

BGI PQ200 Air Sampling System Downloaded 2017 24 mar 08:16:13

Job Details:

Job Name: 17Mar24A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8930:02
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	588	584	586	mmHg
TA	19.7	2.9	10.2	°C
Q	---	---	16.7	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-20-mar	0:00:08
Stop:	17-21-mar	0:00:05
ET:	23:59	

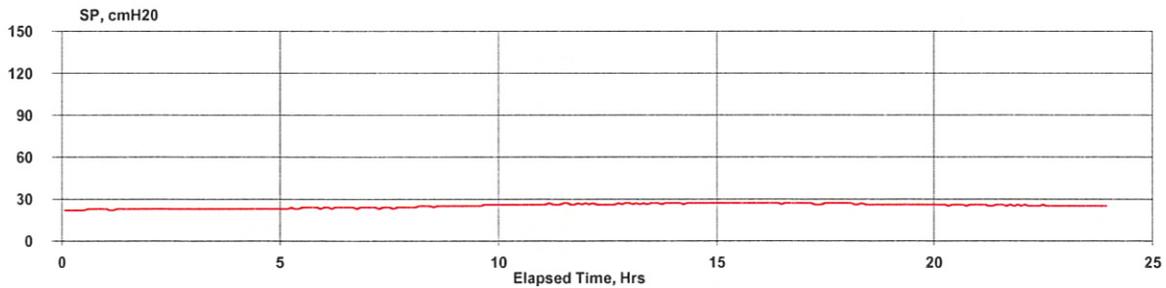
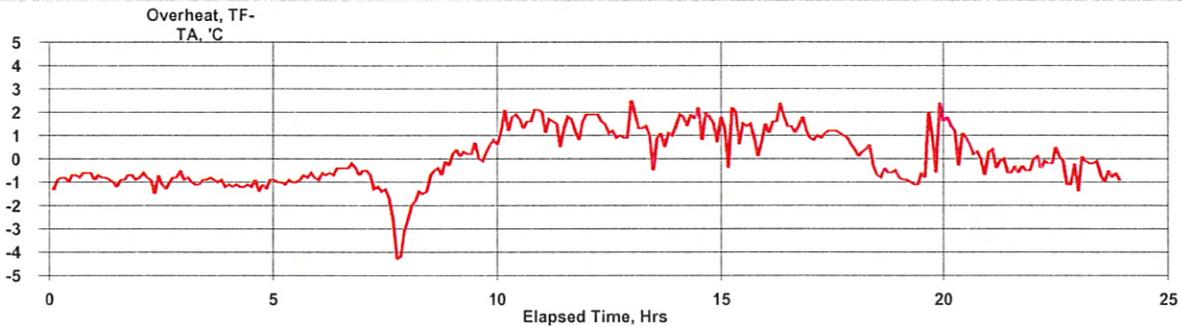
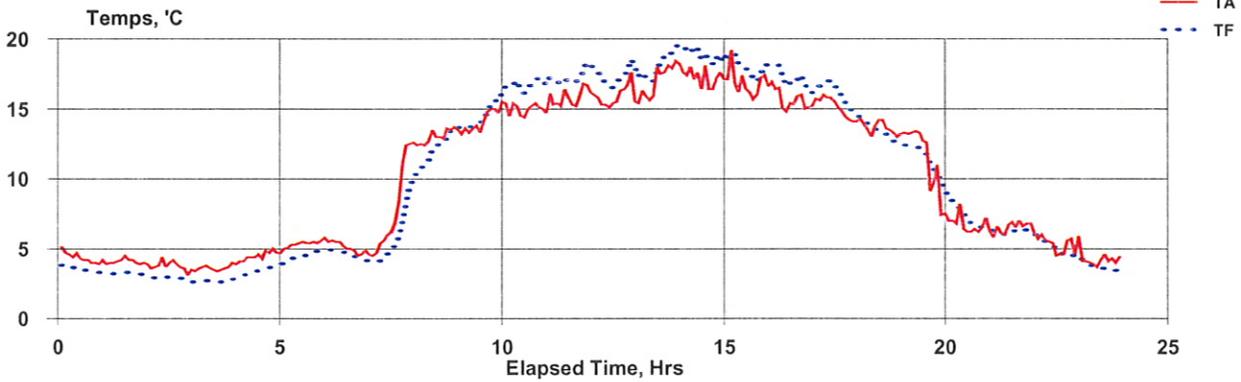
Mass Concentration Data:

Filter ID:	10
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.04 m ³
Mass Conc:	0 µg/m ³

QCV: 0.58 %
 Max overheat: 4.6 °C
 occurred 21-mar 19:06:18

Notes 1:

Notes 2:



Hourly

17-20-mar	0:05:08	587	4.4	3.6	-0.8	23	16.71
17-20-mar	1:05:08	587	4.1	3.2	-0.9	23	16.71
17-20-mar	2:05:08	587	3.8	2.9	-0.9	23	16.71
17-20-mar	3:05:08	587	3.6	2.7	-1.0	23	16.71
17-20-mar	4:05:08	586	4.5	3.4	-1.1	23	16.71
17-20-mar	5:05:08	586	5.4	4.5	-0.9	24	16.71
17-20-mar	6:05:08	586	5.1	4.6	-0.5	24	16.71
17-20-mar	7:05:08	587	8.0	6.0	-2.1	24	16.71
17-20-mar	8:05:08	587	13.1	12.2	-0.9	25	16.71
17-20-mar	9:05:08	587	14.2	14.5	0.3	25	16.73
17-20-mar	10:05:08	587	15.0	16.7	1.7	26	16.70
17-20-mar	11:05:08	587	15.9	17.3	1.4	26	16.71
17-20-mar	12:05:08	586	15.9	17.4	1.4	26	16.71
17-20-mar	13:05:08	586	17.1	18.1	1.0	27	16.71
17-20-mar	14:05:08	586	17.2	18.9	1.6	27	16.70
17-20-mar	15:05:08	585	16.9	18.0	1.1	27	16.70
17-20-mar	16:05:08	585	15.6	17.1	1.5	27	16.71
17-20-mar	17:05:08	585	15.1	16.0	0.9	27	16.71
17-20-mar	18:05:08	585	13.6	13.4	-0.3	26	16.71
17-20-mar	19:05:08	585	11.4	11.4	0.0	26	16.71
17-20-mar	20:05:08	585	6.7	7.3	0.6	26	16.71
17-20-mar	21:05:08	585	6.5	6.2	-0.3	26	16.71
17-20-mar	22:05:08	585	5.3	5.0	-0.3	25	16.71
17-20-mar	23:05:08	585	4.1	3.7	-0.5	25	16.73

BGI PQ200 Air Sampling System Downloaded 2017 24 mar 08:16:13

Job Details:

Job Name: 17Mar24A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8930:02
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	588	584	586	mmHg
TA	19.7	2.9	10.2	°C
Q	---	---	16.7	Lpm

Timer Information:

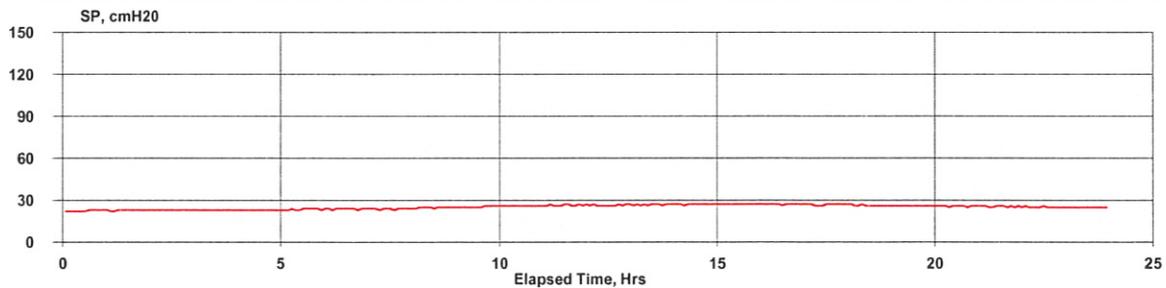
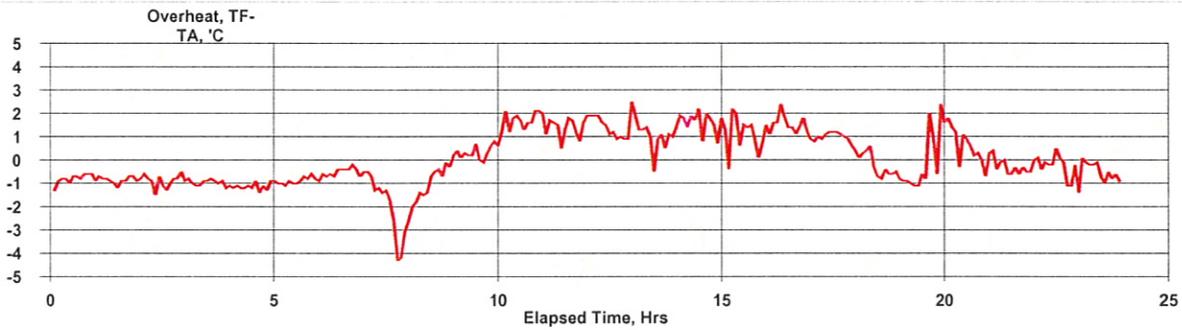
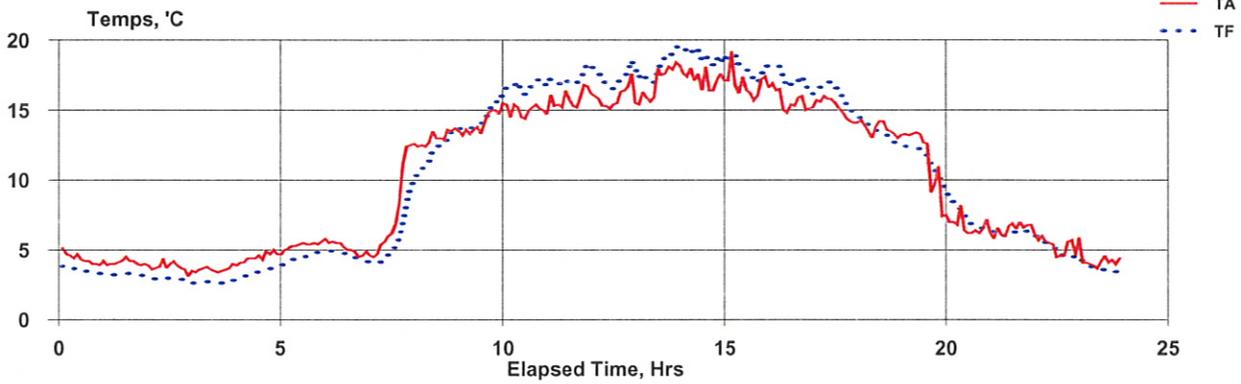
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-20-mar	0:00:08
Stop:	17-21-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	10
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.04 m ³
Mass Conc:	0 µg/m ³

QCV 0.58 %
 Max overheat 4.6 °C
 occurred 21-mar 19:06:18

Notes 1:
 Notes 2:



Hourly

17-20-mar	0:05:08	587	4.4	3.6	-0.8	23	16.71
17-20-mar	1:05:08	587	4.1	3.2	-0.9	23	16.71
17-20-mar	2:05:08	587	3.8	2.9	-0.9	23	16.71
17-20-mar	3:05:08	587	3.6	2.7	-1.0	23	16.71
17-20-mar	4:05:08	586	4.5	3.4	-1.1	23	16.71
17-20-mar	5:05:08	586	5.4	4.5	-0.9	24	16.71
17-20-mar	6:05:08	586	5.1	4.6	-0.5	24	16.71
17-20-mar	7:05:08	587	8.0	6.0	-2.1	24	16.71
17-20-mar	8:05:08	587	13.1	12.2	-0.9	25	16.71
17-20-mar	9:05:08	587	14.2	14.5	0.3	25	16.73
17-20-mar	10:05:08	587	15.0	16.7	1.7	26	16.70
17-20-mar	11:05:08	587	15.9	17.3	1.4	26	16.71
17-20-mar	12:05:08	586	15.9	17.4	1.4	26	16.71
17-20-mar	13:05:08	586	17.1	18.1	1.0	27	16.71
17-20-mar	14:05:08	586	17.2	18.9	1.6	27	16.70
17-20-mar	15:05:08	585	16.9	18.0	1.1	27	16.70
17-20-mar	16:05:08	585	15.6	17.1	1.5	27	16.71
17-20-mar	17:05:08	585	15.1	16.0	0.9	27	16.71
17-20-mar	18:05:08	585	13.6	13.4	-0.3	26	16.71
17-20-mar	19:05:08	585	11.4	11.4	0.0	26	16.71
17-20-mar	20:05:08	585	6.7	7.3	0.6	26	16.71
17-20-mar	21:05:08	585	6.5	6.2	-0.3	26	16.71
17-20-mar	22:05:08	585	5.3	5.0	-0.3	25	16.71
17-20-mar	23:05:08	585	4.1	3.7	-0.5	25	16.73

BGI PQ200 Air Sampling System Downloaded 2017 27 mar 09:30:41

Job Details:

Job Name: 17Mar27A.JOB
 Version: 5.62
 Serial No: 962
 Pump Time: 8954:01
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	583	579	581	mmHg
TA	11.4	-5.7	3.3	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-26-mar	0:00:08
Stop:	17-27-mar	0:00:05
ET:	23:59	

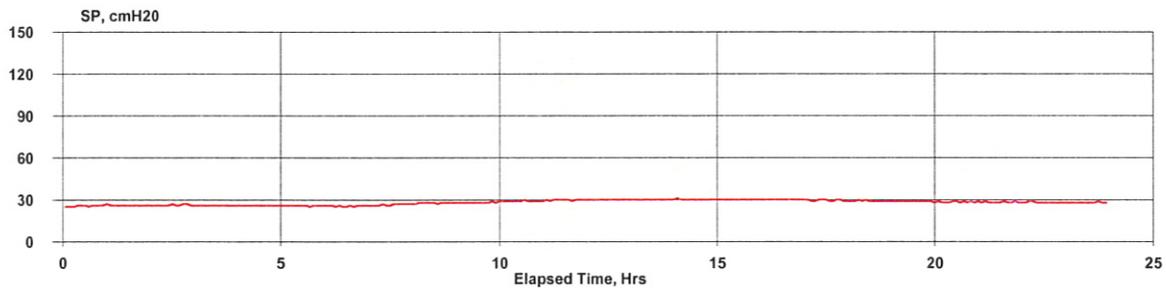
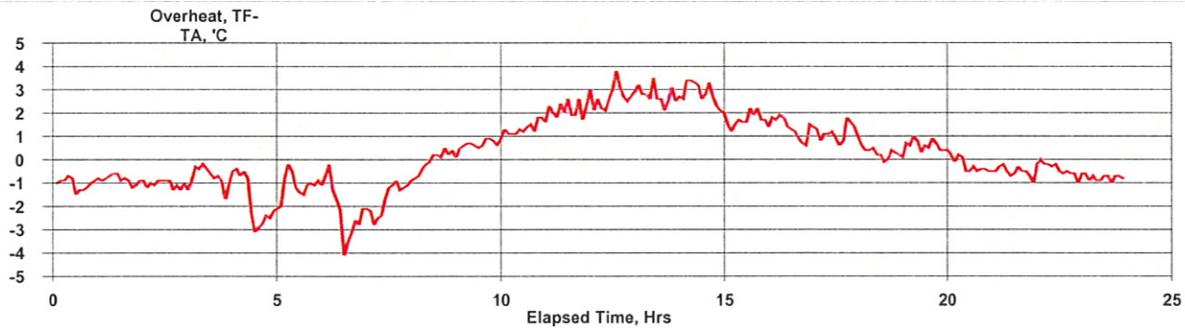
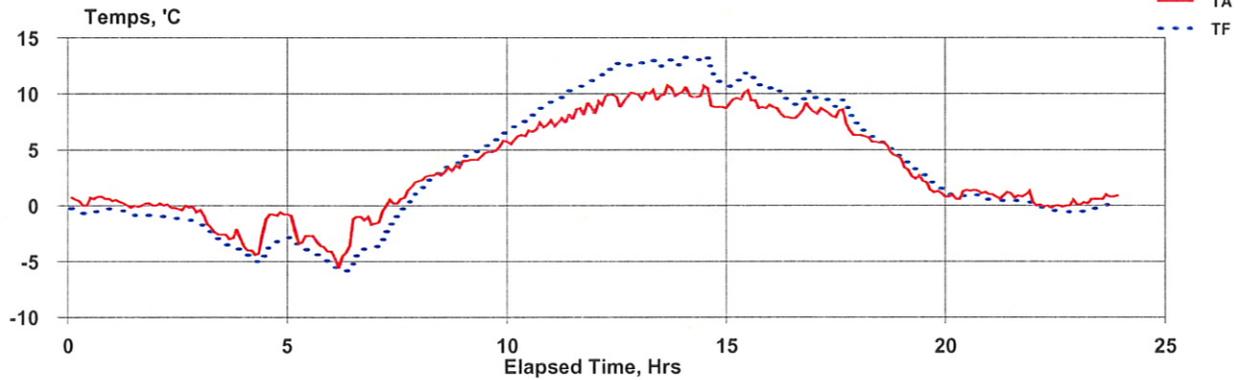
Mass Concentration Data:

Filter ID:	19
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.037 m ³
Mass Conc:	0 µg/m ³

QCV 0.49 %
 Max overheat 4 °C
 occurred 26-mar 13:26:21

Notes 1:

Notes 2:



Hourly

17-26-mar	0:05:08	581	0.5	-0.5	-1.0	26	16.71
17-26-mar	1:05:08	581	0.1	-0.8	-0.9	26	16.71
17-26-mar	2:05:08	581	-0.2	-1.3	-1.1	26	16.71
17-26-mar	3:05:08	581	-2.5	-3.2	-0.7	26	16.71
17-26-mar	4:05:08	581	-2.1	-4.0	-1.9	26	16.71
17-26-mar	5:05:08	581	-3.1	-4.1	-1.1	26	16.71
17-26-mar	6:05:08	581	-2.6	-4.8	-2.2	26	16.72
17-26-mar	7:05:08	582	0.6	-1.0	-1.6	27	16.70
17-26-mar	8:05:08	582	3.0	3.0	0.0	28	16.72
17-26-mar	9:05:08	582	4.7	5.4	0.7	28	16.70
17-26-mar	10:05:08	582	6.6	8.0	1.4	29	16.70
17-26-mar	11:05:08	582	8.1	10.3	2.2	30	16.71
17-26-mar	12:05:08	582	9.6	12.3	2.7	30	16.72
17-26-mar	13:05:08	582	10.0	12.8	2.8	30	16.72
17-26-mar	14:05:08	582	9.6	12.4	2.8	30	16.70
17-26-mar	15:05:08	582	9.3	11.0	1.7	30	16.71
17-26-mar	16:05:08	582	8.3	9.7	1.4	30	16.71
17-26-mar	17:05:08	582	7.8	8.9	1.1	30	16.74
17-26-mar	18:05:08	582	5.4	5.7	0.3	29	16.71
17-26-mar	19:05:08	582	2.0	2.6	0.6	29	16.72
17-26-mar	20:05:08	582	1.1	0.8	-0.3	29	16.71
17-26-mar	21:05:08	582	0.9	0.4	-0.5	28	16.71
17-26-mar	22:05:08	582	0.0	-0.4	-0.4	28	16.70
17-26-mar	23:05:08	582	0.6	-0.2	-0.8	28	16.71

Compliance Monitor 963B

PM₁₀ Sampler Summary

January 1, 2017 - March 31, 2017

Network: Alton Coal Development

Site: Coal Hollow

Sampler ID: Coal Hollow-B

AQS ID:

Sampler Type: BGI FRM Single

Date	Filter ID	Concentration	Concentration	Sample Period (hr:min)	Sample Volume (m3)	Std Volume (m3)	Mass			Flag	Comments
		(µg/m3) LTP	(µg/m3) STP				Tare (mg)	Gross (mg)	Net (mg)		
01/01/17	P2935445	1.9	2.2	23:59	24.0	20.1	385.267	385.313	0.046		
01/07/17	P2935450	2.5	2.9	23:59	24.0	20.9	363.471	363.532	0.061	PI	
01/13/17	P2935455	Invalid - AG	Invalid - AG	14:28	14.5	12.3	361.979	362.003	0.024	SP,PI	
01/19/17	P2936213	Invalid - AG	Invalid - AG	10:34	10.6	8.9	386.065	386.091	0.026	SP,PI	
01/25/17		Invalid - AF	Invalid - AF								
01/31/17	P2936220	3.4	4.0	23:59	24.0	20.5	385.597	385.680	0.083	PI	
02/06/17	P2936222	4.3	5.2	23:59	24.0	20.1	393.106	393.211	0.105	XT,HT	
02/12/17	P2936793	2.3	2.7	23:59	24.0	20.4	388.911	388.968	0.057	HT	
02/18/17	P2936800	5.5	6.7	23:59	24.0	19.9	385.736	385.870	0.134	HT	
02/24/17	P2937193	7.1	8.3	23:59	24.0	20.6	401.242	401.415	0.173	HT	
03/02/17	P2936805	27.5	32.3	24:00	24.0	20.5	389.465	390.127	0.662	XT,HT	
03/08/17	P2937201	20.3	24.4	23:59	24.0	20.1	386.785	387.275	0.490	HT	
03/14/17	P2937633	17.5	21.3	23:59	24.0	19.8	382.683	383.105	0.422		Smudged
03/20/17	P2937638	35.6	43.6	23:59	24.0	19.6	381.619	382.476	0.857		Smudged; lighter color
03/26/17	P2938097	1.7	2.0	23:59	24.0	20.0	387.835	387.876	0.041		
	# Valid	Recovery	Average	St. Dev.	Max	Min					
	12	80%	13.0	14.0	43.6	2.0					

BGI PQ200 Air Sampling System Downloaded 2017 03 jan 13:35:20

Job Details:

Job Name: 17Jan03B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4223:56
 Flags:

Job Code:

Site Name: 963B

Station Code:

Operators: KN

User1: |||

User2:

	Max	Min	Avg	Units
BP	584	581	582	mmHg
TA	1.8	-2.8	-0.5	°C
Q	---	---	16.7	Lpm

Timer Information:

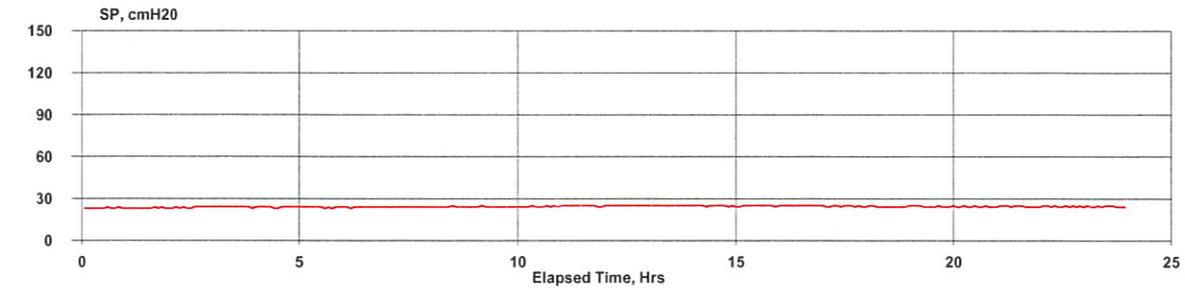
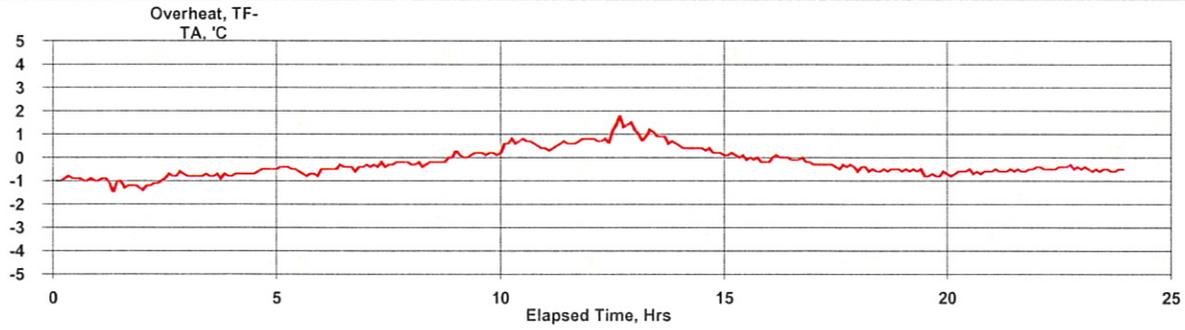
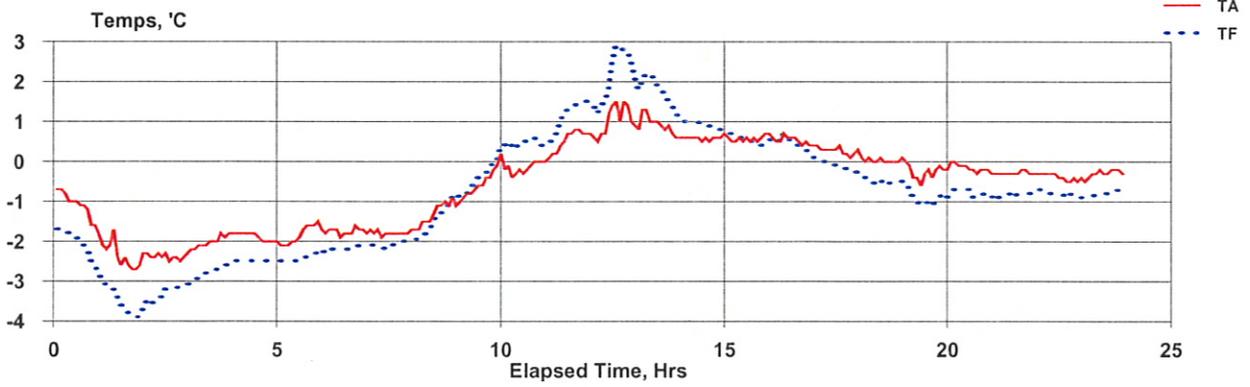
	Date	Time
	dd-mmm	hh:mm:ss
Start:	16-01-jan	0:00:08
Stop:	17-02-jan	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	10
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.038 m ³
Mass Conc:	0 µg/m ³

QCV 0.55 %
 Max overheat 2 °C
 occurred 01-jan 12:37:58

Notes 1:
 Notes 2:



Hourly

17-01-jan	0:05:08	584	-1.1	-2.1	-0.9	23	16.71
17-01-jan	1:05:08	583	-2.4	-3.5	-1.2	23	16.71
17-01-jan	2:05:08	583	-2.4	-3.3	-0.9	24	16.70
17-01-jan	3:05:08	583	-2.0	-2.8	-0.8	24	16.71
17-01-jan	4:05:08	583	-1.9	-2.5	-0.6	24	16.73
17-01-jan	5:05:08	582	-1.8	-2.4	-0.6	24	16.71
17-01-jan	6:05:08	582	-1.8	-2.2	-0.4	24	16.70
17-01-jan	7:05:08	582	-1.8	-2.1	-0.3	24	16.71
17-01-jan	8:05:08	582	-1.3	-1.5	-0.2	24	16.70
17-01-jan	9:05:08	582	-0.5	-0.4	0.1	24	16.70
17-01-jan	10:05:08	582	-0.2	0.5	0.6	24	16.71
17-01-jan	11:05:08	583	0.5	1.2	0.6	25	16.73
17-01-jan	12:05:08	582	1.0	2.1	1.1	25	16.72
17-01-jan	13:05:08	582	0.9	1.7	0.8	25	16.71
17-01-jan	14:05:08	581	0.6	0.9	0.3	25	16.71
17-01-jan	15:05:08	582	0.6	0.6	0.0	25	16.71
17-01-jan	16:05:08	582	0.5	0.5	-0.1	25	16.72
17-01-jan	17:05:08	582	0.3	-0.1	-0.4	25	16.71
17-01-jan	18:05:08	582	0.0	-0.5	-0.5	24	16.71
17-01-jan	19:05:08	582	-0.3	-0.9	-0.7	24	16.71
17-01-jan	20:05:08	582	-0.2	-0.8	-0.6	24	16.71
17-01-jan	21:05:08	582	-0.3	-0.8	-0.5	25	16.72
17-01-jan	22:05:08	582	-0.4	-0.8	-0.4	25	16.70
17-01-jan	23:05:08	582	-0.3	-0.8	-0.5	24	16.70

BGI PQ200 Air Sampling System Downloaded 2017 10 jan 14:24:05

Job Details:

Job Name: 17Jan10B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4247:55
 Flags: P

Job Code:

Site Name:
 Station Code:
 Operators:

User1: ++++++
 User2:

	Max	Min	Avg	Units
BP	595	590	593	mmHg
TA	-0.4	-15.4	-5.9	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-07-jan	0:00:08
Stop:	17-08-jan	0:00:05
ET:	23:59	

Mass Concentration Data:

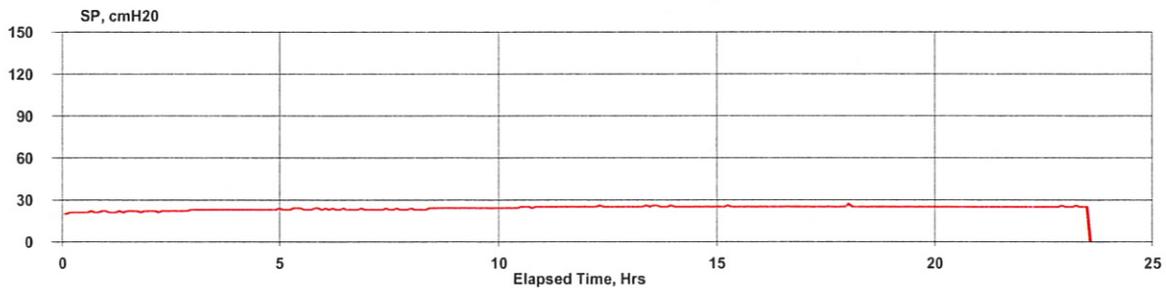
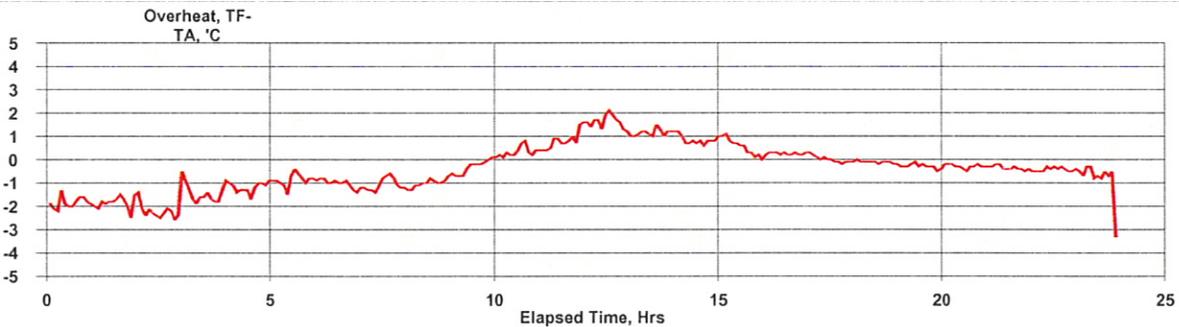
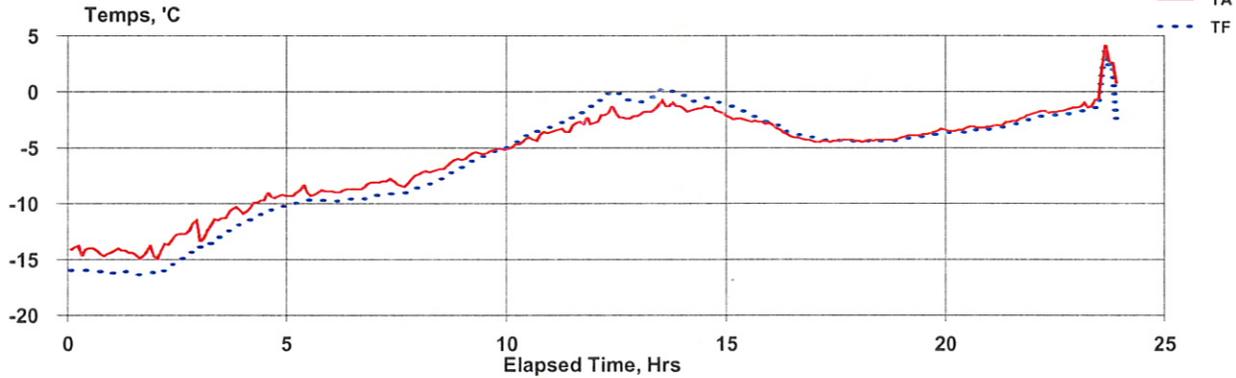
Filter ID:	15
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.044 m ³

QCV 0.68 %
 Max overheat 2.3 °C
 occurred 07-jan 12:47:51

Mass Conc: 0 µg/m³

Notes 1:

Notes 2:



Hourly

17-07-jan	0:05:08	592	-14.2	-16.1	-1.8	21	16.71
17-07-jan	1:05:08	592	-14.4	-16.2	-1.9	22	16.71
17-07-jan	2:05:08	592	-13.0	-15.3	-2.2	22	16.71
17-07-jan	3:05:08	592	-11.5	-13.0	-1.5	23	16.71
17-07-jan	4:05:08	592	-9.8	-11.0	-1.2	23	16.71
17-07-jan	5:05:08	592	-9.0	-9.9	-0.9	24	16.72
17-07-jan	6:05:08	593	-8.7	-9.7	-1.0	23	16.71
17-07-jan	7:05:08	593	-8.1	-9.2	-1.1	23	16.71
17-07-jan	8:05:08	593	-6.9	-8.0	-1.1	24	16.71
17-07-jan	9:05:08	594	-5.6	-6.0	-0.5	24	16.71
17-07-jan	10:05:08	594	-4.6	-4.3	0.3	24	16.71
17-07-jan	11:05:08	594	-3.3	-2.7	0.6	25	16.71
17-07-jan	12:05:08	594	-2.3	-0.7	1.6	25	16.71
17-07-jan	13:05:08	593	-1.7	-0.5	1.2	25	16.72
17-07-jan	14:05:08	593	-1.4	-0.5	0.9	25	16.71
17-07-jan	15:05:08	593	-2.3	-1.5	0.8	25	16.72
17-07-jan	16:05:08	593	-3.4	-3.2	0.2	25	16.70
17-07-jan	17:05:08	594	-4.4	-4.3	0.1	25	16.71
17-07-jan	18:05:08	594	-4.3	-4.5	-0.1	25	16.87
17-07-jan	19:05:08	594	-4.0	-4.2	-0.2	25	16.71
17-07-jan	20:05:08	594	-3.4	-3.7	-0.3	25	16.72
17-07-jan	21:05:08	594	-3.0	-3.3	-0.3	25	16.71
17-07-jan	22:05:08	595	-1.9	-2.4	-0.4	25	16.71
17-07-jan	23:05:08	595	-1.3	-1.8	-0.5	25	16.71
17-08-jan	12:04:11	595	2.4	1.6	-0.8		0.00
17-08-jan	16:14:51	589	2.6	1.3	-1.3		0.00

BGI PQ200 Air Sampling System Downloaded 2017 17 jan 14:54:27

Job Details:

Job Name: 17Jan17B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4262:23
 Flags: P T

Job Code:

Site Name:
 Station Code:
 Operators:

User1: |||||
 User2:

	Max	Min	Avg	Units
BP	591	586	589	mmHg
TA	6.1	-1.1	0.3	°C
Q	---	---	16.71	Lpm

Timer Information:

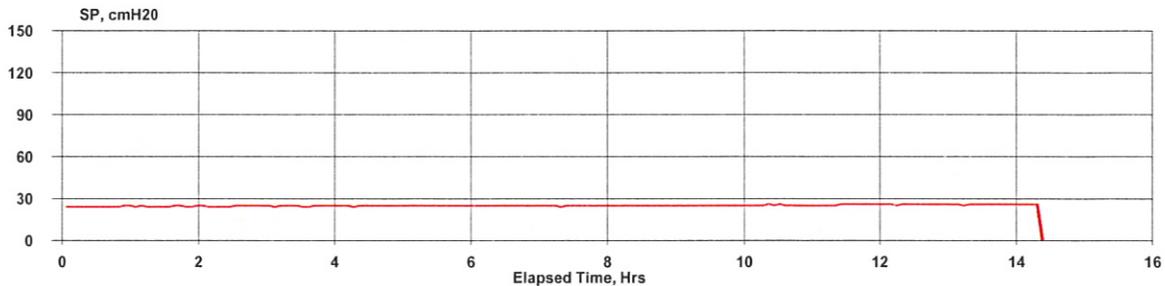
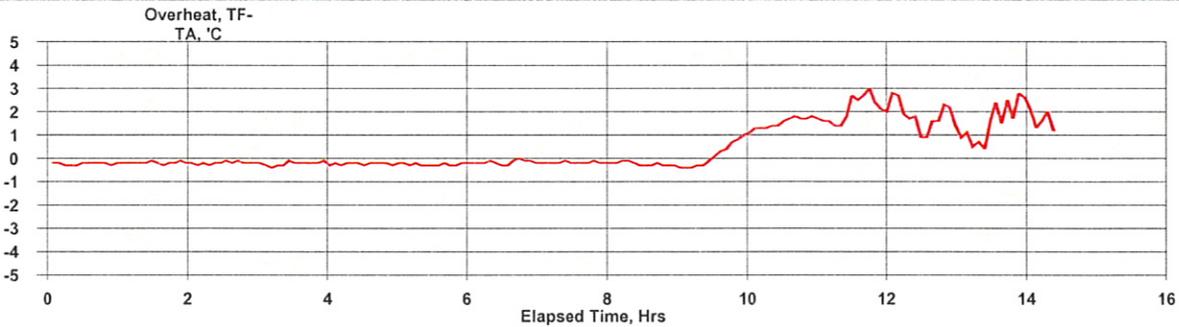
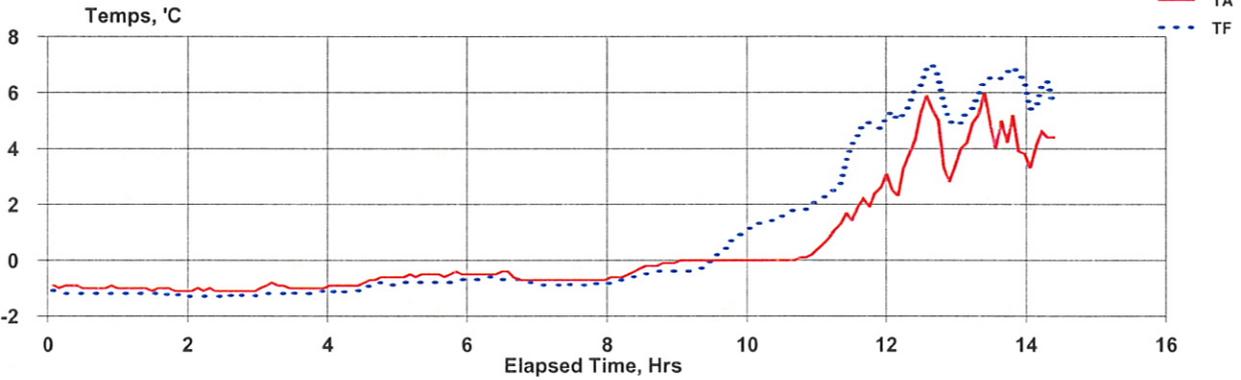
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-13-jan	0:00:08
Stop:	17-14-jan	0:00:05
ET:	14:28	

Mass Concentration Data:

Filter ID:	24
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	14.506 m ³
Mass Conc:	0 µg/m ³

QCV 0.19 %
 Max overheat 3.1 °C
 occurred 13-jan 11:46:16

Notes 1:
 Notes 2:



Hourly

17-13-jan	0:05:08	588	-1.0	-1.2	-0.2	24	16.71
17-13-jan	1:05:08	588	-1.0	-1.2	-0.2	24	16.71
17-13-jan	2:05:08	588	-1.1	-1.3	-0.2	25	16.71
17-13-jan	3:05:08	588	-1.0	-1.2	-0.2	25	16.71
17-13-jan	4:05:08	588	-0.8	-1.0	-0.2	25	16.72
17-13-jan	5:05:08	588	-0.5	-0.8	-0.3	25	16.72
17-13-jan	6:05:08	589	-0.6	-0.7	-0.2	25	16.72
17-13-jan	7:05:08	589	-0.7	-0.9	-0.2	25	16.71
17-13-jan	8:05:08	590	-0.3	-0.6	-0.2	25	16.72
17-13-jan	9:05:08	591	0.0	0.1	0.1	25	16.72
17-13-jan	10:05:08	591	0.0	1.5	1.5	25	16.71
17-13-jan	11:05:08	591	1.5	3.6	2.1	26	16.71
17-13-jan	12:05:08	591	3.9	5.8	1.9	26	16.71
17-13-jan	13:05:08	590	4.6	6.0	1.5	26	16.71
17-13-jan	14:05:08	590	4.1	5.9	1.8	22	13.93

BGI PQ200 Air Sampling System Downloaded 2017 27 jan 13:31:40

Job Details:

Job Name: 17Jan27B.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1525:13
 Flags: P

Job Code:
 Site Name: 2366D
 Station Code:
 Operators: KN

User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	587	580	583	mmHg
TA	0.4	-8.8	-1.8	°C
Q	---	---	16.71	Lpm

Timer Information:

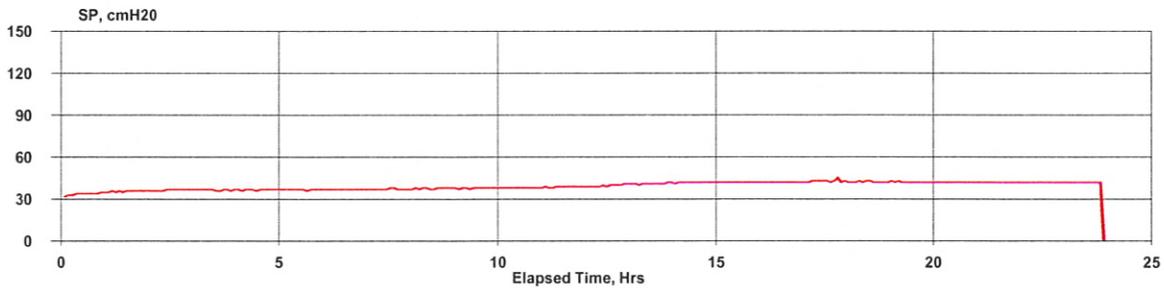
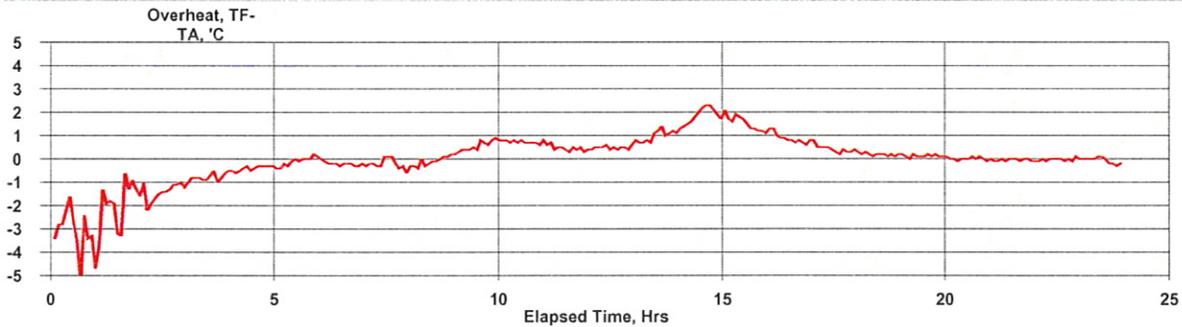
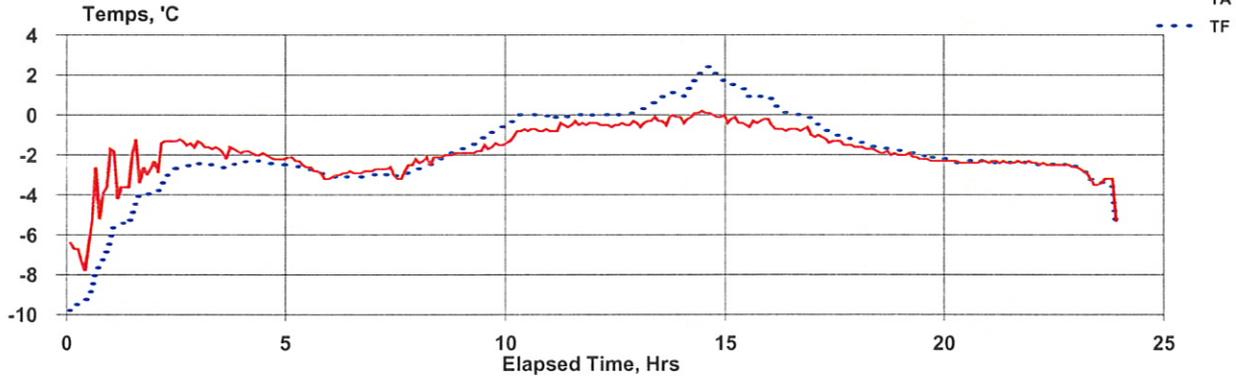
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-19-jan	0:00:08
Stop:	17-20-jan	0:00:04
ET:	23:59	

Mass Concentration Data:

Filter ID:	20
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.045 m ³
Mass Conc:	0 µg/m ³

QCV 0.66 %
 Max overheat 2.7 °C
 occurred 19-jan 14:49:20

Notes 1:
 Notes 2:



Hourly

17-19-jan	0:05:08	587	-5.3	-8.5	-3.2	34	16.72
17-19-jan	1:05:08	586	-2.8	-4.7	-1.9	36	16.72
17-19-jan	2:05:08	586	-1.5	-2.9	-1.4	37	16.71
17-19-jan	3:05:08	586	-1.7	-2.5	-0.8	37	16.71
17-19-jan	4:05:08	585	-2.0	-2.4	-0.4	37	16.72
17-19-jan	5:05:08	585	-2.6	-2.7	-0.1	37	16.71
17-19-jan	6:05:08	585	-2.9	-3.1	-0.2	37	16.71
17-19-jan	7:05:08	585	-2.7	-2.9	-0.2	37	16.72
17-19-jan	8:05:08	585	-2.1	-2.2	-0.1	38	16.72
17-19-jan	9:05:08	585	-1.7	-1.2	0.5	38	16.71
17-19-jan	10:05:08	585	-0.9	-0.2	0.7	38	16.71
17-19-jan	11:05:08	584	-0.5	-0.1	0.5	39	16.71
17-19-jan	12:05:08	583	-0.5	0.0	0.5	40	16.72
17-19-jan	13:05:08	583	-0.3	0.7	0.9	41	16.71
17-19-jan	14:05:08	582	0.0	1.8	1.8	42	16.71
17-19-jan	15:05:08	582	-0.3	1.3	1.6	42	16.71
17-19-jan	16:05:08	582	-0.6	0.3	0.9	42	16.71
17-19-jan	17:05:08	582	-1.3	-0.8	0.5	43	16.77
17-19-jan	18:05:08	582	-1.8	-1.6	0.2	42	16.71
17-19-jan	19:05:08	582	-2.2	-2.0	0.1	42	16.71
17-19-jan	20:05:08	581	-2.4	-2.3	0.0	42	16.71
17-19-jan	21:05:08	581	-2.4	-2.4	0.0	42	16.70
17-19-jan	22:05:08	581	-2.5	-2.5	0.0	42	16.72
17-19-jan	23:05:08	581	-3.1	-3.2	0.0	42	16.71
17-27-jan	13:29:43	597	-5.3	-5.5	-0.2		0.00

BGI PQ200 Air Sampling System Downloaded 2017 01 feb 14:44:00

Job Details:

Job Name: 17Feb01B .JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4296:56
 Flags: P

Job Code:
 Site Name: 963B
 Station Code:
 Operators: KN
 User1: |||||
 User2:

	Max	Min	Avg	Units
BP	593	591	591	mmHg
TA	7	-8	-0.8	°C
Q	---	---	16.71	Lpm

Timer Information:

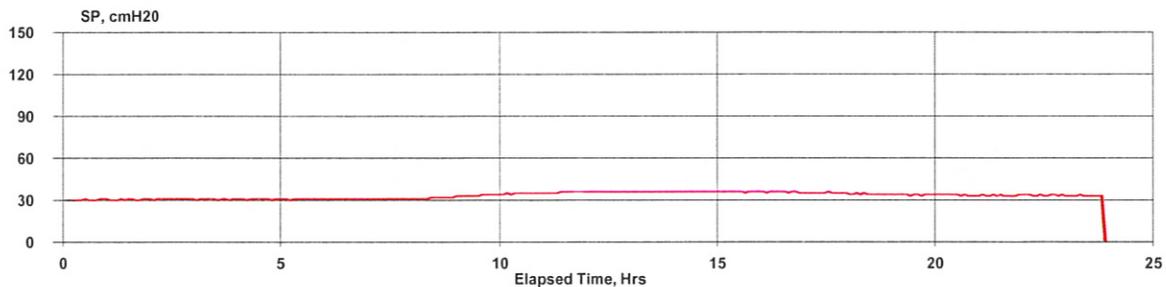
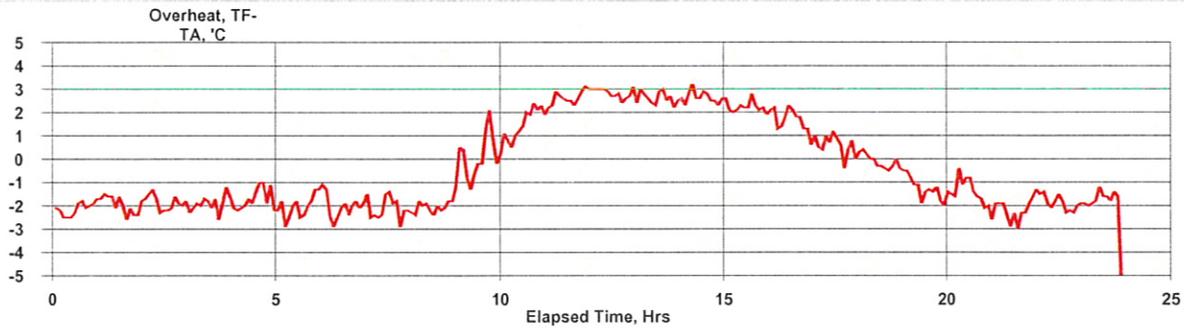
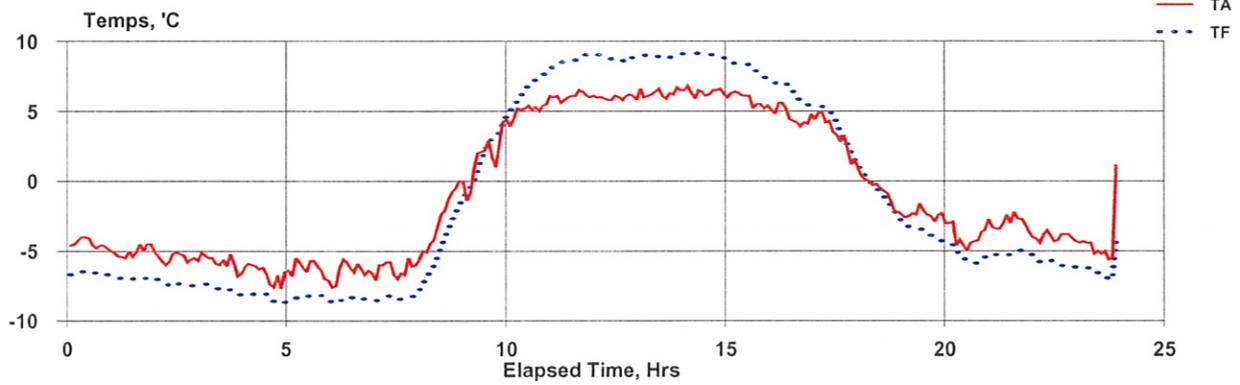
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-31-jan	0:00:08
Stop:	17-01-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	32
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.044 m ³
Mass Conc:	0 µg/m ³

QCV 0.61 %
 Max overheat 3.4 °C
 occurred 31-jan 12:02:11

Notes 1:
 Notes 2:



Hourly

17-31-jan	0:05:08	593	-4.5	-6.6	-2.1	30	16.71
17-31-jan	1:05:08	593	-5.0	-7.0	-2.0	31	16.72
17-31-jan	2:05:08	592	-5.5	-7.4	-1.9	31	16.72
17-31-jan	3:05:08	592	-5.8	-7.7	-1.9	31	16.71
17-31-jan	4:05:08	592	-6.6	-8.3	-1.7	31	16.72
17-31-jan	5:05:08	592	-6.3	-8.3	-2.0	31	16.71
17-31-jan	6:05:08	592	-6.4	-8.5	-2.0	31	16.72
17-31-jan	7:05:08	592	-6.3	-8.4	-2.1	31	16.72
17-31-jan	8:05:08	592	-2.9	-5.0	-2.1	32	16.71
17-31-jan	9:05:08	592	1.4	1.5	0.1	33	16.72
17-31-jan	10:05:08	593	5.0	6.4	1.4	35	16.71
17-31-jan	11:05:08	592	6.1	8.6	2.5	36	16.71
17-31-jan	12:05:08	592	6.0	8.8	2.8	36	16.71
17-31-jan	13:05:08	591	6.2	8.9	2.7	36	16.71
17-31-jan	14:05:08	591	6.4	9.0	2.6	36	16.71
17-31-jan	15:05:08	591	5.9	8.2	2.3	36	16.71
17-31-jan	16:05:08	591	4.7	6.5	1.8	36	16.71
17-31-jan	17:05:08	591	3.7	4.3	0.6	35	16.71
17-31-jan	18:05:08	591	-0.3	-0.4	-0.1	34	16.71
17-31-jan	19:05:08	591	-2.4	-3.5	-1.1	34	16.70
17-31-jan	20:05:08	591	-3.8	-5.2	-1.4	34	16.71
17-31-jan	21:05:08	591	-3.0	-5.2	-2.2	33	16.70
17-31-jan	22:05:08	591	-4.0	-5.8	-1.8	34	16.71
17-31-jan	23:05:08	591	-4.8	-6.5	-1.7	33	16.71
17-01-feb	9:25:58	592	1.1	-4.4	-5.5		0.00

BGI PQ200 Air Sampling System Downloaded 2017 08 feb 11:14:02

Job Details:

Job Name: 17Feb08B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4320:55
 Flags:

Job Code:
 Site Name: 963B
 Station Code:
 Operators: KN
 User1: |||||
 User2:

	Max	Min	Avg	Units
BP	588	584	586	mmHg
TA	2.4	-1	1.2	°C
Q	---	---	16.71	Lpm

Timer Information:

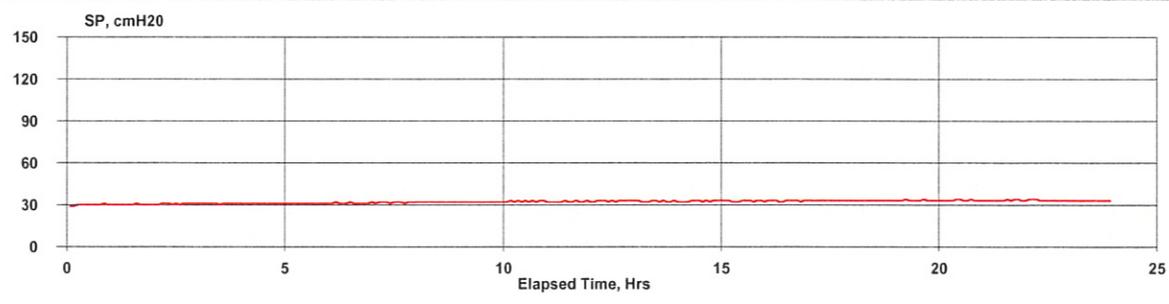
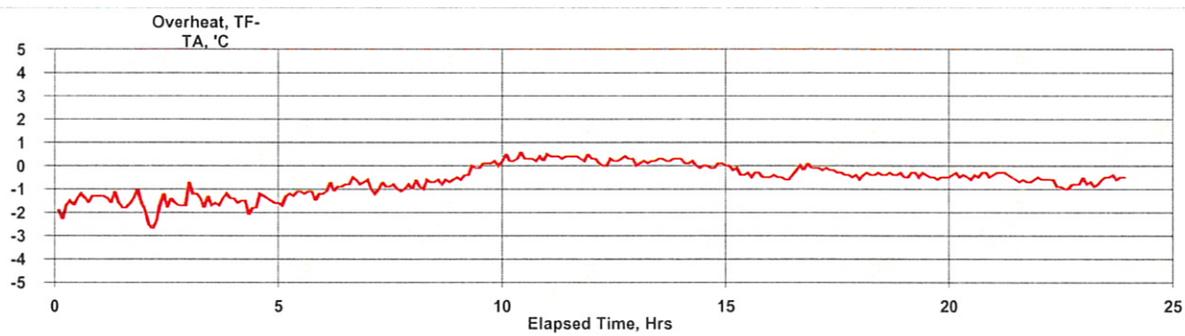
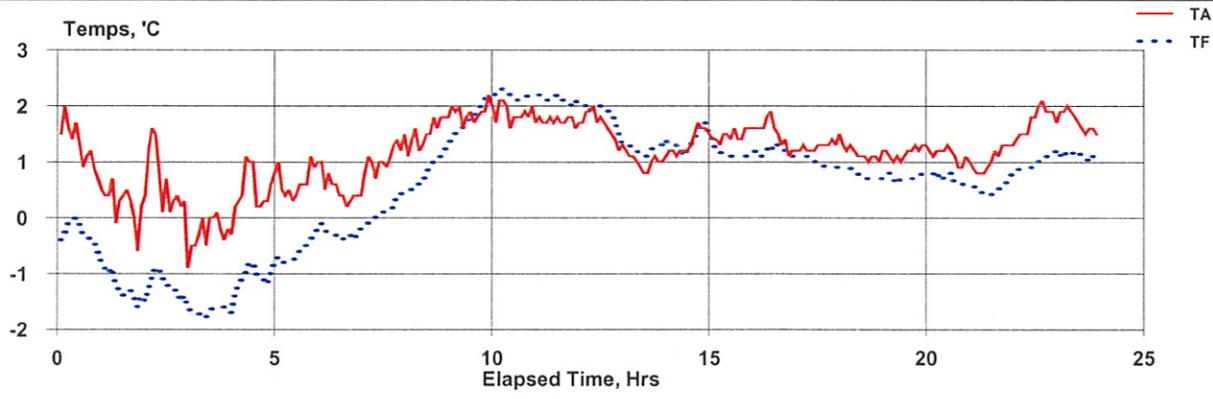
Date	Time
dd-mmm	hh:mm:ss
Start: 17-06-feb	0:00:08
Stop: 17-07-feb	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	34
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV 0.54 %
 Max overheat 1.6 °C
 occurred 07-feb 15:00:45

Notes 1:
 Notes 2:



Hourly

17-06-feb	0:05:08	586	1.2	-0.3	-1.6	30	16.71
17-06-feb	1:05:08	586	0.2	-1.3	-1.5	30	16.71
17-06-feb	2:05:08	586	0.5	-1.2	-1.8	31	16.71
17-06-feb	3:05:08	586	-0.2	-1.7	-1.4	31	16.71
17-06-feb	4:05:08	586	0.5	-1.0	-1.6	31	16.71
17-06-feb	5:05:08	586	0.7	-0.6	-1.3	31	16.71
17-06-feb	6:05:08	586	0.5	-0.3	-0.8	31	16.72
17-06-feb	7:05:08	586	1.1	0.1	-1.0	32	16.71
17-06-feb	8:05:08	586	1.5	0.8	-0.7	32	16.71
17-06-feb	9:05:08	586	1.9	1.8	-0.1	32	16.71
17-06-feb	10:05:08	587	1.9	2.2	0.3	33	16.71
17-06-feb	11:05:08	587	1.7	2.1	0.4	32	16.70
17-06-feb	12:05:08	587	1.6	1.8	0.2	33	16.70
17-06-feb	13:05:08	586	1.0	1.2	0.2	32	16.70
17-06-feb	14:05:08	586	1.4	1.4	0.0	33	16.71
17-06-feb	15:05:08	586	1.5	1.1	-0.3	33	16.71
17-06-feb	16:05:08	586	1.5	1.2	-0.3	33	16.72
17-06-feb	17:05:08	587	1.3	1.0	-0.3	33	16.72
17-06-feb	18:05:08	587	1.1	0.8	-0.4	33	16.71
17-06-feb	19:05:08	587	1.2	0.7	-0.5	33	16.70
17-06-feb	20:05:08	587	1.1	0.7	-0.4	33	16.71
17-06-feb	21:05:08	587	1.1	0.5	-0.5	33	16.71
17-06-feb	22:05:08	587	1.8	1.0	-0.8	33	16.71
17-06-feb	23:05:08	587	1.7	1.1	-0.6	33	16.71

BGI PQ200 Air Sampling System Downloaded 2017 14 feb 12:28:51

Job Details:

Job Name: 17Feb14B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4344:54
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: |||||
 User2:

	Max	Min	Avg	Units
BP	594	589	592	mmHg
TA	4	-0.4	1.1	°C
Q	---	---	16.7	Lpm

Timer Information:

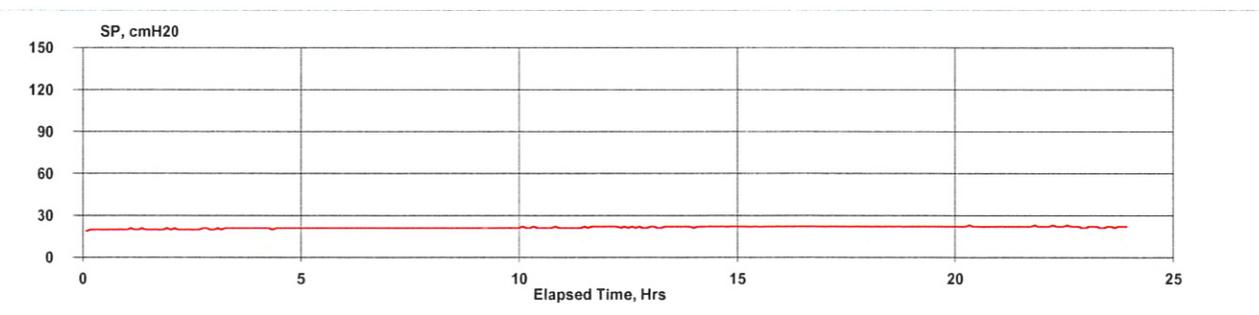
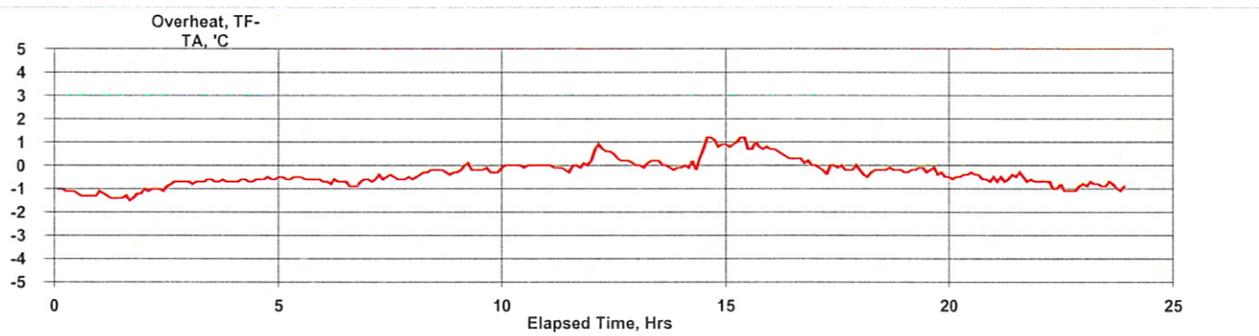
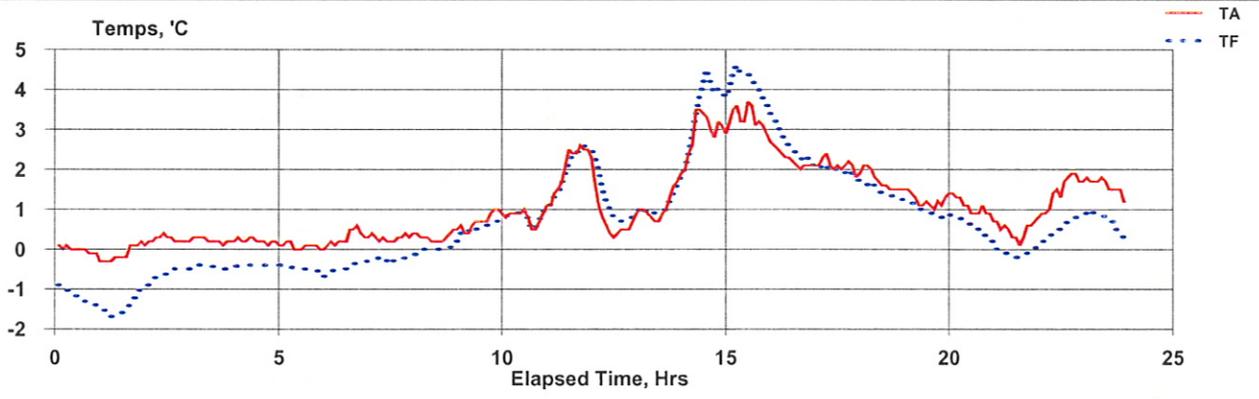
Date	Time
dd-mmm	hh:mm:ss
Start: 17-12-feb	0:00:08
Stop: 17-13-feb	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	15
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.044 m ³
Mass Conc:	0 µg/m ³

QCV 0.56 %
 Max overheat 1.8 °C
 occurred 13-feb 16:50:39

Notes 1:
 Notes 2:



Hourly

17-12-feb	0:05:08	592	0.0	-1.2	-1.2	20	16.70
17-12-feb	1:05:08	592	-0.1	-1.4	-1.3	20	16.71
17-12-feb	2:05:08	592	0.3	-0.6	-0.9	20	16.71
17-12-feb	3:05:08	592	0.2	-0.5	-0.7	21	16.71
17-12-feb	4:05:08	592	0.2	-0.4	-0.6	21	16.71
17-12-feb	5:05:08	592	0.1	-0.5	-0.6	21	16.71
17-12-feb	6:05:08	592	0.3	-0.4	-0.7	21	16.71
17-12-feb	7:05:08	592	0.3	-0.3	-0.6	21	16.71
17-12-feb	8:05:08	593	0.3	0.0	-0.3	21	16.72
17-12-feb	9:05:08	593	0.7	0.6	-0.2	21	16.71
17-12-feb	10:05:08	593	0.8	0.8	0.0	21	16.71
17-12-feb	11:05:08	594	2.1	2.0	0.0	22	16.71
17-12-feb	12:05:08	593	0.7	1.1	0.4	22	16.71
17-12-feb	13:05:08	593	1.1	1.1	0.0	22	16.71
17-12-feb	14:05:08	592	3.0	3.6	0.6	22	16.71
17-12-feb	15:05:08	592	3.3	4.1	0.9	22	16.71
17-12-feb	16:05:08	592	2.2	2.5	0.3	22	16.71
17-12-feb	17:05:08	592	2.1	2.0	-0.1	22	16.71
17-12-feb	18:05:08	592	1.7	1.5	-0.3	22	16.71
17-12-feb	19:05:08	592	1.2	1.0	-0.3	22	16.71
17-12-feb	20:05:08	592	1.0	0.6	-0.5	22	16.72
17-12-feb	21:05:08	592	0.5	-0.1	-0.6	22	16.71
17-12-feb	22:05:08	592	1.5	0.6	-0.9	22	16.71
17-12-feb	23:05:08	592	1.6	0.7	-0.9	22	16.71

BGI PQ200 Air Sampling System Downloaded 2017 21 feb 12:36:53

Job Details:

Job Name: 17Feb21B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4368:53
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:

User1: ||||||||||||||||||||||||||||||||||||
 User2:

	Max	Min	Avg	Units
BP	583	580	581	mmHg
TA	3.7	0.8	2.6	°C
Q	---	---	16.71	Lpm

Timer Information:

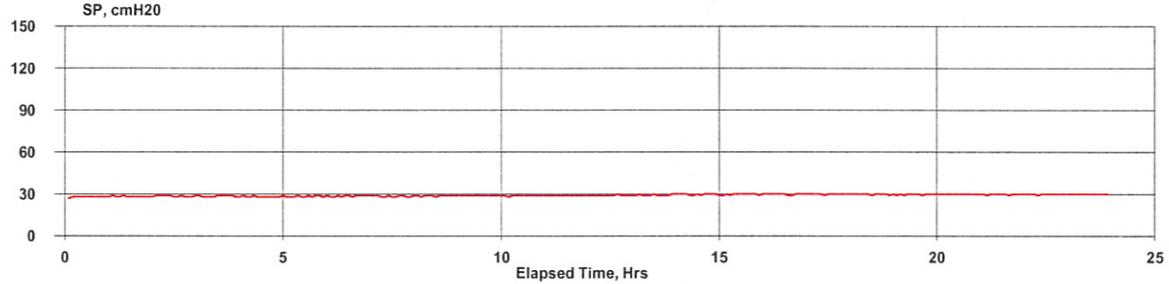
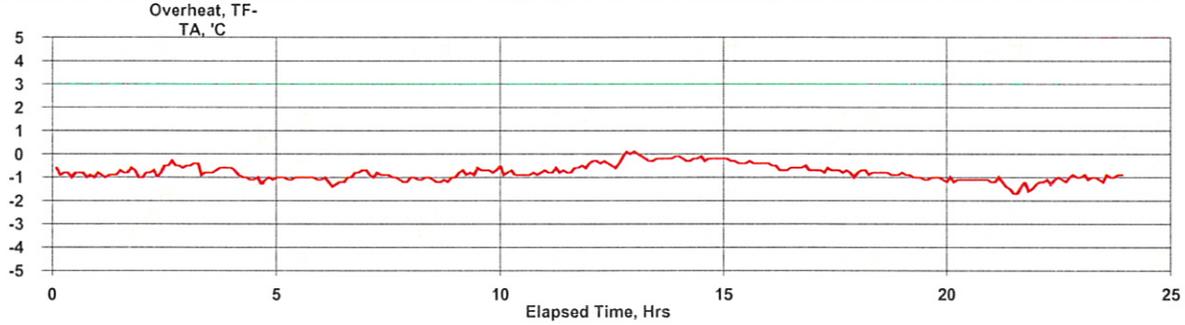
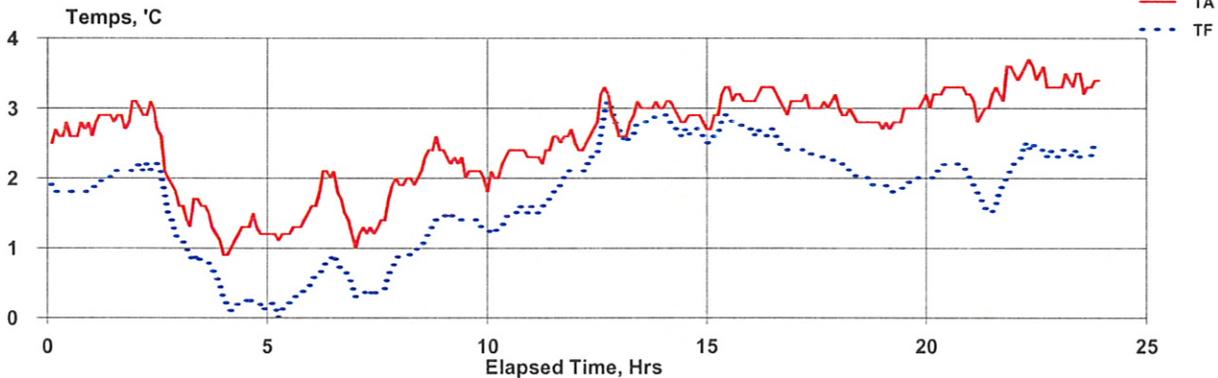
Date	Time
dd-mmm	hh:mm:ss
Start: 17-18-feb	0:00:08
Stop: 17-19-feb	0:00:04
ET: 23:59	

Mass Concentration Data:

Filter ID:	26
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.04 m ³
Mass Conc:	0 µg/m ³

QCV 0.57 %
 Max overheat 2 °C
 occurred 19-feb 16:33:47

Notes 1:
 Notes 2:



Hourly

17-18-feb	0:05:08	583	2.7	1.8	-0.9	28	16.69
17-18-feb	1:05:08	582	2.9	2.0	-0.9	28	16.70
17-18-feb	2:05:08	582	2.5	1.8	-0.6	29	16.71
17-18-feb	3:05:08	582	1.4	0.8	-0.6	29	16.71
17-18-feb	4:05:08	582	1.2	0.2	-1.0	28	16.71
17-18-feb	5:05:08	582	1.3	0.3	-1.0	28	16.71
17-18-feb	6:05:08	581	1.7	0.7	-1.0	29	16.70
17-18-feb	7:05:08	581	1.5	0.5	-1.0	29	16.70
17-18-feb	8:05:08	582	2.2	1.1	-1.1	29	16.71
17-18-feb	9:05:08	582	2.1	1.4	-0.7	29	16.71
17-18-feb	10:05:08	582	2.3	1.4	-0.8	29	16.71
17-18-feb	11:05:08	581	2.5	1.8	-0.7	29	16.71
17-18-feb	12:05:08	581	2.8	2.5	-0.3	29	16.71
17-18-feb	13:05:08	580	2.9	2.8	-0.2	29	16.71
17-18-feb	14:05:08	581	2.9	2.7	-0.2	30	16.71
17-18-feb	15:05:08	580	3.1	2.7	-0.4	30	16.71
17-18-feb	16:05:08	581	3.2	2.5	-0.6	30	16.71
17-18-feb	17:05:08	581	3.1	2.3	-0.8	30	16.72
17-18-feb	18:05:08	581	2.8	2.0	-0.8	30	16.72
17-18-feb	19:05:08	581	2.9	1.9	-1.0	30	16.71
17-18-feb	20:05:08	581	3.2	2.1	-1.1	30	16.72
17-18-feb	21:05:08	581	3.2	1.8	-1.4	30	16.70
17-18-feb	22:05:08	581	3.5	2.4	-1.1	30	16.71
17-18-feb	23:05:08	581	3.4	2.4	-1.0	30	16.72

BGI PQ200 Air Sampling System Downloaded 2017 27 feb 15:06:07

Job Details:

Job Name: 17Feb27B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4392:52
 Flags:

Job Code:

Site Name:

Station Code:

Operators:

User1: |||

User2:

	Max	Min	Avg	Units
BP	589	582	586	mmHg
TA	-0.2	-10	-5.5	°C
Q	---	---	16.71	Lpm

Timer Information:

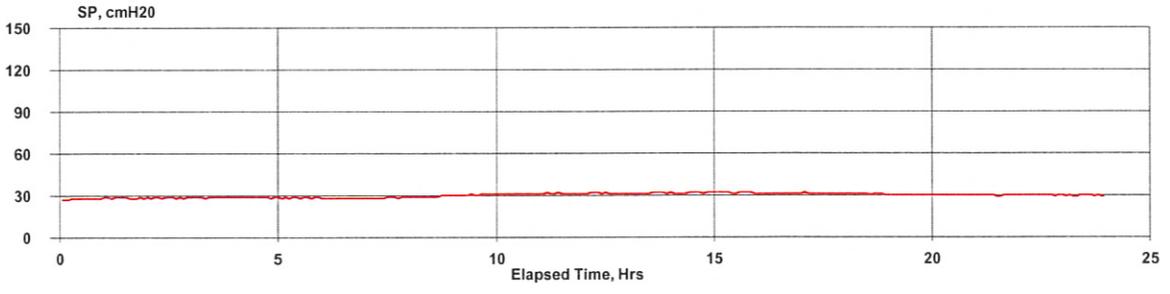
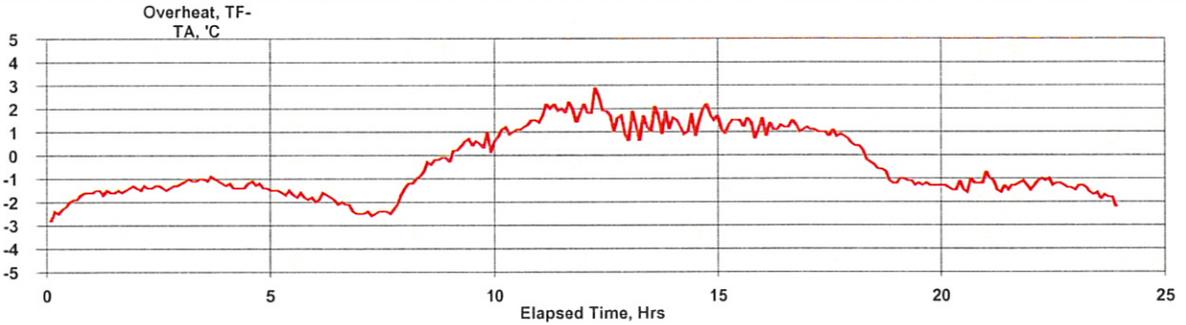
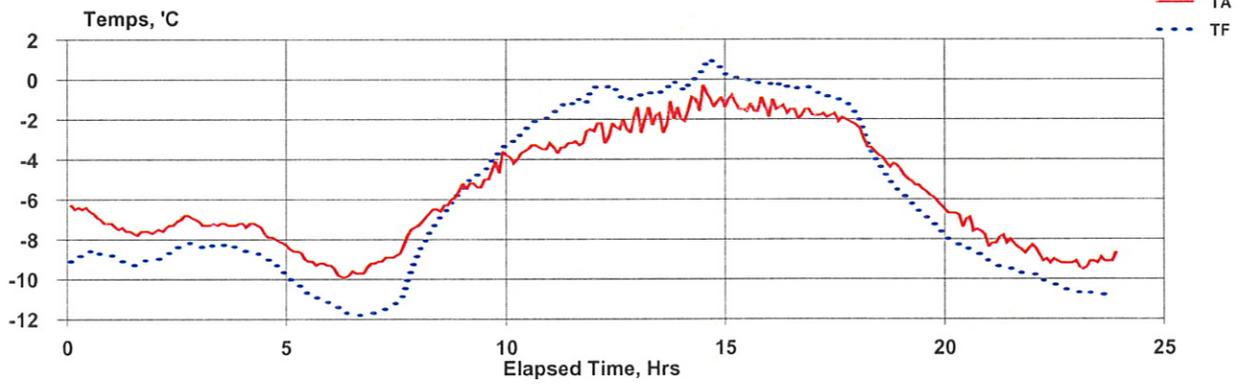
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-24-feb	0:00:08
Stop:	17-25-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	39
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.04 m ³
Mass Conc:	0 µg/m ³

QCV 0.53 %
 Max overheat 2.9 °C
 occurred 24-feb 12:15:05

Notes 1:
 Notes 2:



Hourly

17-24-feb	0:05:08	584	-6.7	-8.8	-2.0	28	16.72
17-24-feb	1:05:08	584	-7.6	-9.1	-1.5	29	16.72
17-24-feb	2:05:08	584	-7.2	-8.5	-1.4	29	16.71
17-24-feb	3:05:08	584	-7.3	-8.3	-1.1	29	16.69
17-24-feb	4:05:08	584	-7.7	-9.0	-1.3	29	16.72
17-24-feb	5:05:08	585	-9.0	-10.7	-1.7	29	16.71
17-24-feb	6:05:08	585	-9.6	-11.7	-2.1	28	16.71
17-24-feb	7:05:08	586	-8.4	-10.7	-2.3	29	16.70
17-24-feb	8:05:08	586	-6.3	-6.9	-0.6	29	16.70
17-24-feb	9:05:08	587	-4.8	-4.3	0.5	31	16.70
17-24-feb	10:05:08	587	-3.6	-2.4	1.2	31	16.72
17-24-feb	11:05:08	587	-3.1	-1.2	2.0	31	16.71
17-24-feb	12:05:08	587	-2.3	-0.7	1.7	31	16.72
17-24-feb	13:05:08	587	-2.0	-0.5	1.4	31	16.70
17-24-feb	14:05:08	587	-1.2	0.3	1.5	32	16.70
17-24-feb	15:05:08	587	-1.4	-0.1	1.3	32	16.70
17-24-feb	16:05:08	587	-1.5	-0.4	1.2	31	16.71
17-24-feb	17:05:08	587	-1.9	-1.0	0.9	31	16.71
17-24-feb	18:05:08	587	-3.8	-4.2	-0.4	31	16.71
17-24-feb	19:05:08	588	-5.6	-6.8	-1.2	30	16.70
17-24-feb	20:05:08	588	-7.3	-8.5	-1.3	30	16.71
17-24-feb	21:05:08	588	-8.2	-9.6	-1.3	30	16.72
17-24-feb	22:05:08	589	-9.0	-10.3	-1.2	30	16.71
17-24-feb	23:05:08	589	-9.1	-10.8	-1.7	30	16.71

BGI PQ200 Air Sampling System Downloaded 2017 03 mar 12:23:10

Job Details:

Job Name: 17Mar03B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4416:52
 Flags:

Job Code:

Site Name:

Station Code:

Operators:

User1: |||

User2:

	Max	Min	Avg	Units
BP	597	595	595	mmHg
TA	9	-7	0.8	°C
Q	---	---	16.7	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-02-mar	0:00:00
Stop:	17-03-mar	0:00:05
ET:	24:00:00	

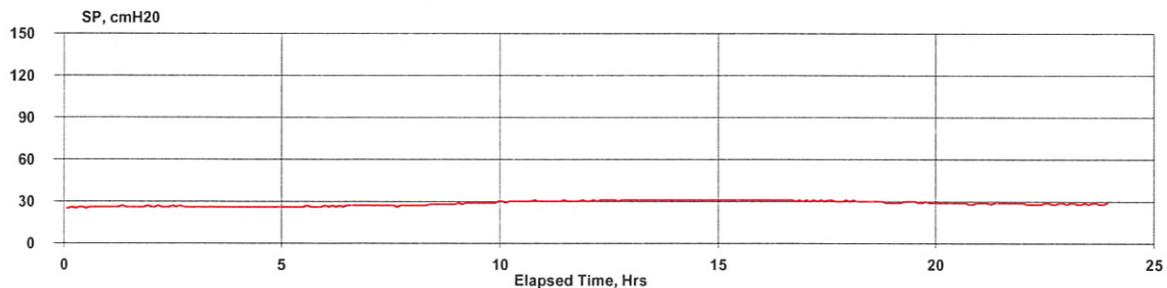
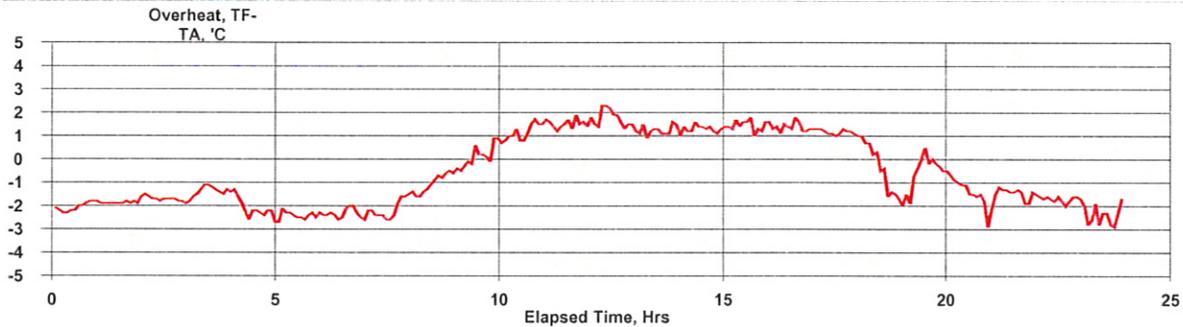
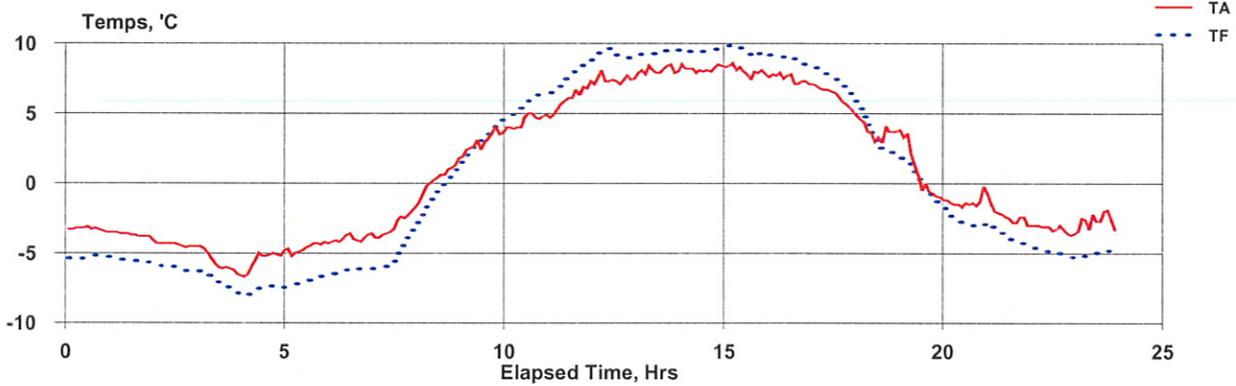
Mass Concentration Data:

Filter ID:	39
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.033 m ³
Mass Conc:	0 µg/m ³

QCV 0.49 %
 Max overheat 2.6 °C
 occurred 02-mar 12:24:59

Notes 1:

Notes 2:



Hourly

17-02-mar	0:04:23	596	-3.3	-5.3	-2.1	26	16.72
17-02-mar	1:04:23	596	-3.7	-5.6	-1.9	26	16.72
17-02-mar	2:04:23	596	-4.4	-6.1	-1.7	26	16.72
17-02-mar	3:04:23	595	-5.7	-7.1	-1.4	26	16.70
17-02-mar	4:04:23	595	-5.4	-7.6	-2.2	26	16.71
17-02-mar	5:04:23	596	-4.6	-7.0	-2.4	26	16.70
17-02-mar	6:04:23	596	-3.9	-6.3	-2.3	27	16.71
17-02-mar	7:04:23	596	-3.0	-5.1	-2.2	27	16.71
17-02-mar	8:04:23	597	0.4	-0.7	-1.0	28	16.70
17-02-mar	9:04:23	597	3.0	3.1	0.1	29	16.70
17-02-mar	10:04:23	597	4.5	5.6	1.1	30	16.70
17-02-mar	11:04:23	597	6.1	7.6	1.5	30	16.72
17-02-mar	12:04:23	597	7.4	9.2	1.8	31	16.71
17-02-mar	13:04:23	596	8.1	9.3	1.2	31	16.70
17-02-mar	14:04:23	596	8.2	9.5	1.3	31	16.71
17-02-mar	15:04:23	596	8.1	9.5	1.4	31	16.71
17-02-mar	16:04:23	595	7.5	8.9	1.4	31	16.70
17-02-mar	17:04:23	595	6.3	7.5	1.2	31	16.70
17-02-mar	18:04:23	595	3.8	3.5	-0.3	30	16.70
17-02-mar	19:04:23	596	0.9	0.3	-0.6	29	16.70
17-02-mar	20:04:23	595	-1.3	-2.7	-1.3	29	16.74
17-02-mar	21:04:23	595	-2.2	-3.7	-1.5	29	16.68
17-02-mar	22:04:23	595	-3.2	-4.9	-1.7	28	16.69
17-02-mar	23:04:23	595	-2.7	-5.1	-2.3	29	16.70

BGI PQ200 Air Sampling System Downloaded 2017 10 mar 11:21:30

Job Details:

Job Name: 17Mar10B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4440:51
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:

User1: |||||
 User2:

	Max	Min	Avg	Units
BP	595	592	593	mmHg
TA	16.9	-4.2	5.5	°C
Q	---	---	16.7	Lpm

Timer Information:

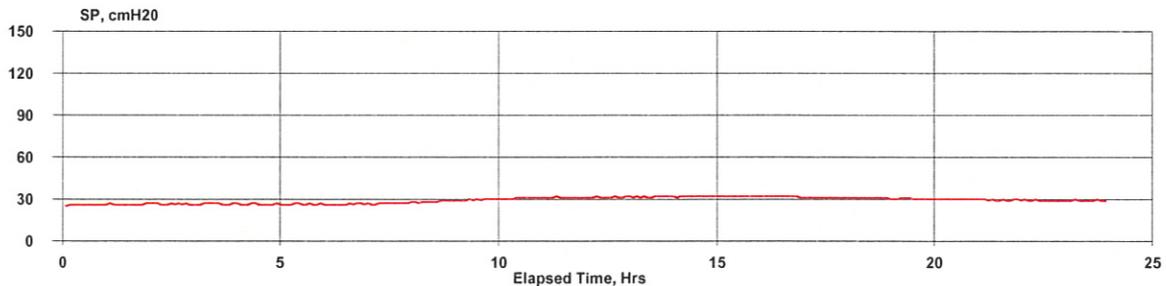
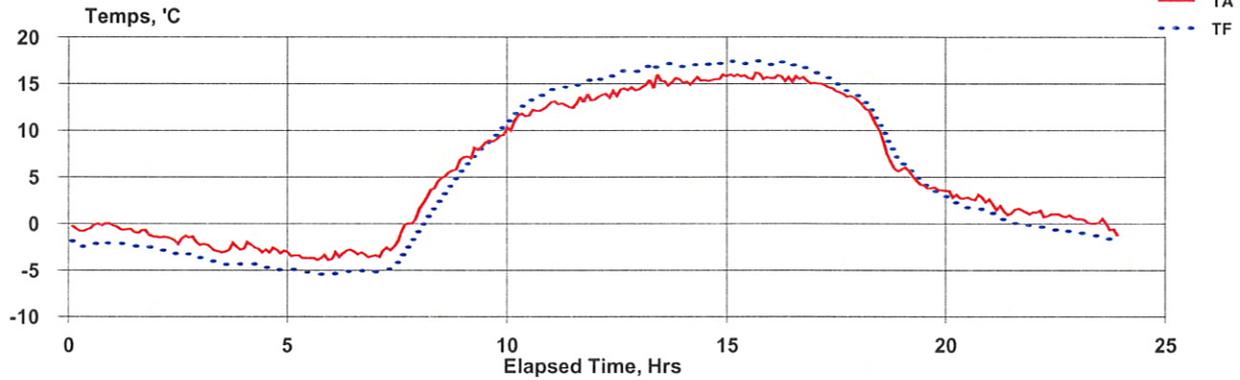
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-08-mar	0:00:08
Stop:	17-09-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	54
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.037 m ³
Mass Conc:	0 µg/m ³

QCV 0.47 %
 Max overheat 2.8 °C
 occurred 08-mar 12:18:43

Notes 1:
 Notes 2:



Hourly

17-08-mar	0:05:08	594	-0.3	-2.2	-1.9	26	16.72
17-08-mar	1:05:08	594	-0.8	-2.4	-1.6	26	16.71
17-08-mar	2:05:08	594	-1.7	-3.2	-1.6	26	16.71
17-08-mar	3:05:08	593	-2.7	-4.2	-1.5	27	16.71
17-08-mar	4:05:08	593	-2.8	-4.7	-1.9	26	16.72
17-08-mar	5:05:08	593	-3.7	-5.3	-1.6	26	16.71
17-08-mar	6:05:08	593	-3.2	-5.2	-2.0	26	16.71
17-08-mar	7:05:08	594	-1.3	-3.6	-2.3	27	16.70
17-08-mar	8:05:08	594	4.8	2.9	-2.0	28	16.71
17-08-mar	9:05:08	594	8.6	8.5	-0.1	30	16.71
17-08-mar	10:05:08	594	11.8	12.9	1.1	31	16.71
17-08-mar	11:05:08	594	13.0	14.8	1.8	31	16.70
17-08-mar	12:05:08	594	14.1	16.0	1.9	31	16.70
17-08-mar	13:05:08	594	15.2	16.9	1.7	32	16.72
17-08-mar	14:05:08	593	15.4	17.1	1.6	32	16.71
17-08-mar	15:05:08	593	15.8	17.3	1.4	32	16.69
17-08-mar	16:05:08	593	15.5	16.9	1.4	32	16.70
17-08-mar	17:05:08	593	14.2	14.9	0.7	31	16.70
17-08-mar	18:05:08	593	9.1	10.1	1.1	31	16.71
17-08-mar	19:05:08	593	4.3	4.3	0.0	30	16.71
17-08-mar	20:05:08	593	2.8	1.8	-1.0	30	16.71
17-08-mar	21:05:08	594	1.4	0.2	-1.2	30	16.71
17-08-mar	22:05:08	593	0.9	-0.7	-1.5	29	16.72
17-08-mar	23:05:08	593	-0.1	-1.4	-1.4	29	16.71

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 09:46:13

Job Details:

Job Name: 17Mar16B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4464:50
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:

User1: |||||
 User2:

	Max	Min	Avg	Units
BP	596	592	594	mmHg
TA	21.4	-0.1	9.7	°C
Q	---	---	16.7	Lpm

Timer Information:

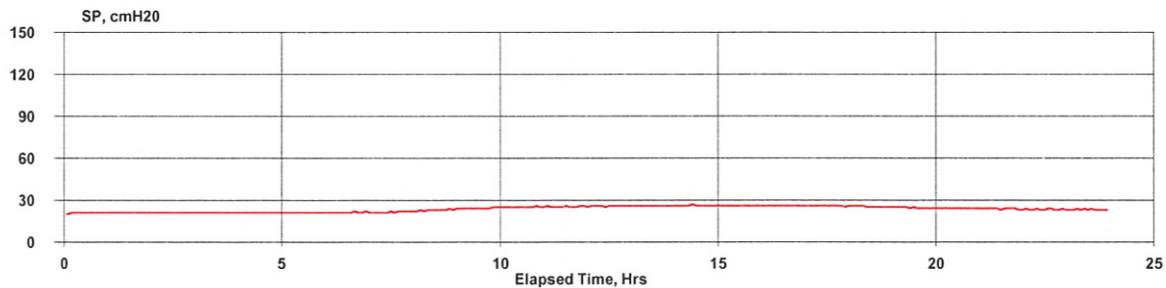
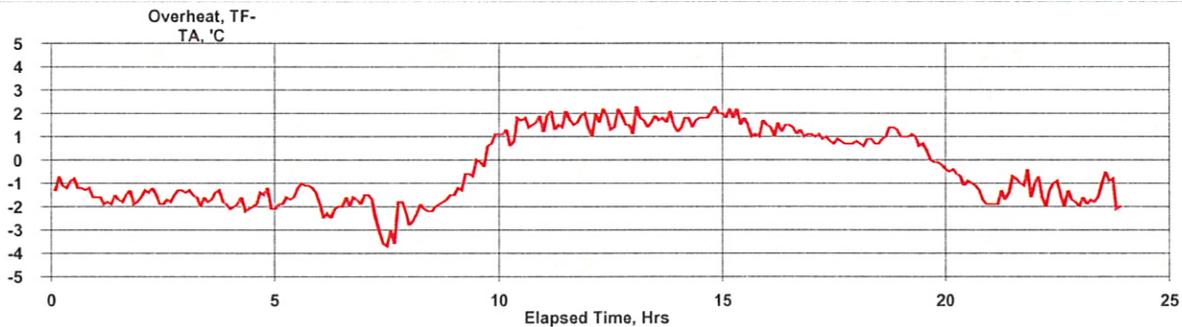
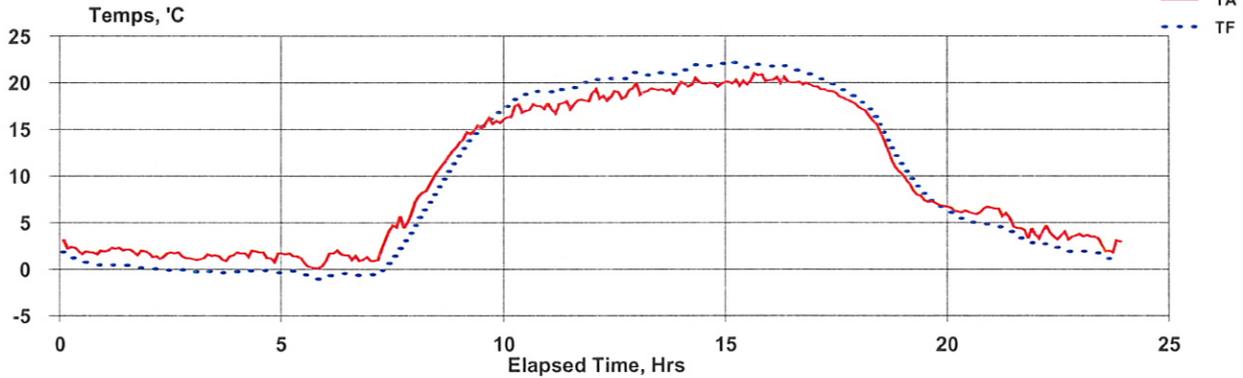
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-14-mar	0:00:08
Stop:	17-15-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	6
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.04 m ³
Mass Conc:	0 µg/m ³

QCV 0.54 %
 Max overheat 2.6 °C
 occurred 14-mar 14:34:34

Notes 1:
 Notes 2:



Hourly

17-14-mar	0:05:08	594	2.0	0.9	-1.2	21	16.71
17-14-mar	1:05:08	594	2.0	0.3	-1.7	21	16.71
17-14-mar	2:05:08	594	1.4	-0.1	-1.5	21	16.71
17-14-mar	3:05:08	594	1.3	-0.4	-1.7	21	16.71
17-14-mar	4:05:08	594	1.6	-0.3	-1.8	21	16.71
17-14-mar	5:05:08	594	0.8	-0.6	-1.5	21	16.71
17-14-mar	6:05:08	594	1.4	-0.6	-2.0	21	16.71
17-14-mar	7:05:08	595	4.1	1.5	-2.6	22	16.71
17-14-mar	8:05:08	595	10.6	8.7	-2.0	23	16.71
17-14-mar	9:05:08	595	15.3	15.2	-0.1	24	16.71
17-14-mar	10:05:08	595	17.2	18.6	1.4	25	16.69
17-14-mar	11:05:08	595	17.8	19.5	1.7	25	16.70
17-14-mar	12:05:08	595	18.9	20.5	1.6	26	16.71
17-14-mar	13:05:08	594	19.2	20.9	1.7	26	16.71
17-14-mar	14:05:08	594	19.9	21.8	1.8	26	16.71
17-14-mar	15:05:08	594	20.3	21.9	1.6	26	16.71
17-14-mar	16:05:08	594	20.1	21.3	1.3	26	16.70
17-14-mar	17:05:08	594	18.6	19.5	0.8	26	16.71
17-14-mar	18:05:08	594	13.9	14.9	1.0	25	16.70
17-14-mar	19:05:08	594	7.7	8.1	0.4	24	16.71
17-14-mar	20:05:08	594	6.3	5.2	-1.1	24	16.71
17-14-mar	21:05:08	594	4.9	3.7	-1.2	24	16.71
17-14-mar	22:05:08	594	3.7	2.2	-1.5	23	16.71
17-14-mar	23:05:08	594	2.9	1.5	-1.4	23	16.71

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 09:46:13

Job Details:

Job Name: 17Mar16B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4464:50
 Flags:

Job Code:

Site Name:

Station Code:

Operators:

User1: |||

User2:

	Max	Min	Avg	Units
BP	596	592	594	mmHg
TA	21.4	-0.1	9.7	°C
Q	---	---	16.7	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-14-mar	0:00:08
Stop:	17-15-mar	0:00:05
ET:	23:59	

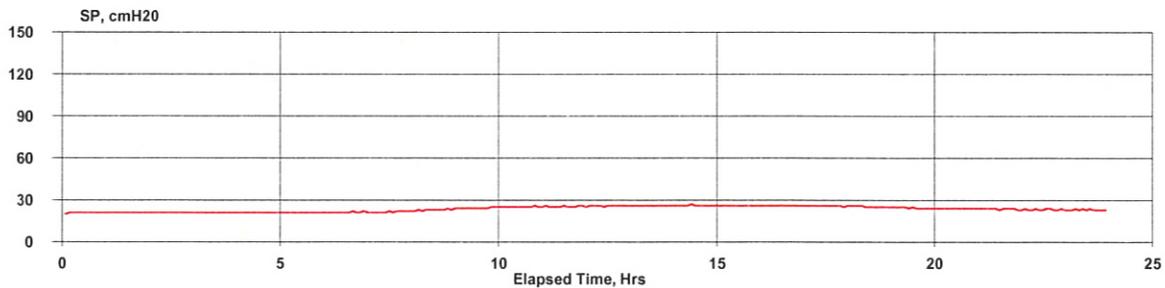
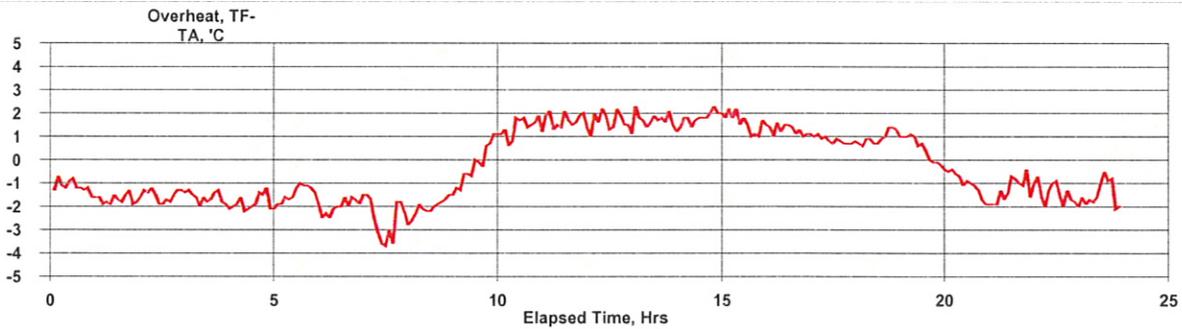
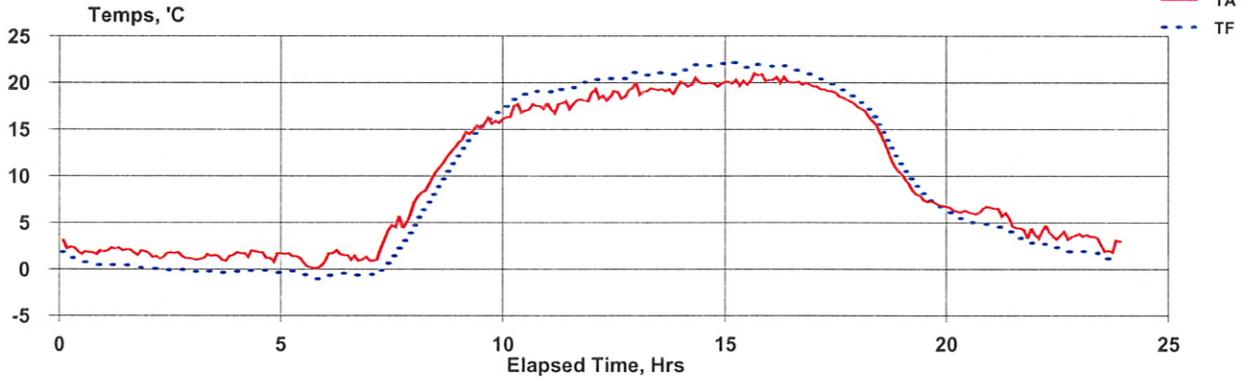
Mass Concentration Data:

Filter ID:	6
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.04 m ³
Mass Conc:	0 µg/m ³

QCV 0.54 %
 Max overheat 2.6 °C
 occurred 14-mar 14:34:34

Notes 1:

Notes 2:



Hourly

17-14-mar	0:05:08	594	2.0	0.9	-1.2	21	16.71
17-14-mar	1:05:08	594	2.0	0.3	-1.7	21	16.71
17-14-mar	2:05:08	594	1.4	-0.1	-1.5	21	16.71
17-14-mar	3:05:08	594	1.3	-0.4	-1.7	21	16.71
17-14-mar	4:05:08	594	1.6	-0.3	-1.8	21	16.71
17-14-mar	5:05:08	594	0.8	-0.6	-1.5	21	16.71
17-14-mar	6:05:08	594	1.4	-0.6	-2.0	21	16.71
17-14-mar	7:05:08	595	4.1	1.5	-2.6	22	16.71
17-14-mar	8:05:08	595	10.6	8.7	-2.0	23	16.71
17-14-mar	9:05:08	595	15.3	15.2	-0.1	24	16.71
17-14-mar	10:05:08	595	17.2	18.6	1.4	25	16.69
17-14-mar	11:05:08	595	17.8	19.5	1.7	25	16.70
17-14-mar	12:05:08	595	18.9	20.5	1.6	26	16.71
17-14-mar	13:05:08	594	19.2	20.9	1.7	26	16.71
17-14-mar	14:05:08	594	19.9	21.8	1.8	26	16.71
17-14-mar	15:05:08	594	20.3	21.9	1.6	26	16.71
17-14-mar	16:05:08	594	20.1	21.3	1.3	26	16.70
17-14-mar	17:05:08	594	18.6	19.5	0.8	26	16.71
17-14-mar	18:05:08	594	13.9	14.9	1.0	25	16.70
17-14-mar	19:05:08	594	7.7	8.1	0.4	24	16.71
17-14-mar	20:05:08	594	6.3	5.2	-1.1	24	16.71
17-14-mar	21:05:08	594	4.9	3.7	-1.2	24	16.71
17-14-mar	22:05:08	594	3.7	2.2	-1.5	23	16.71
17-14-mar	23:05:08	594	2.9	1.5	-1.4	23	16.71

BGI PQ200 Air Sampling System Downloaded 2017 24 mar 08:34:52

Job Details:

Job Name: 17Mar24B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4488:49
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:

User1: |||||
 User2:

	Max	Min	Avg	Units
BP	594	590	592	mmHg
TA	19.6	3.6	11	°C
Q	---	---	16.7	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-20-mar	0:00:08
Stop:	17-21-mar	0:00:05
ET:	23:59	

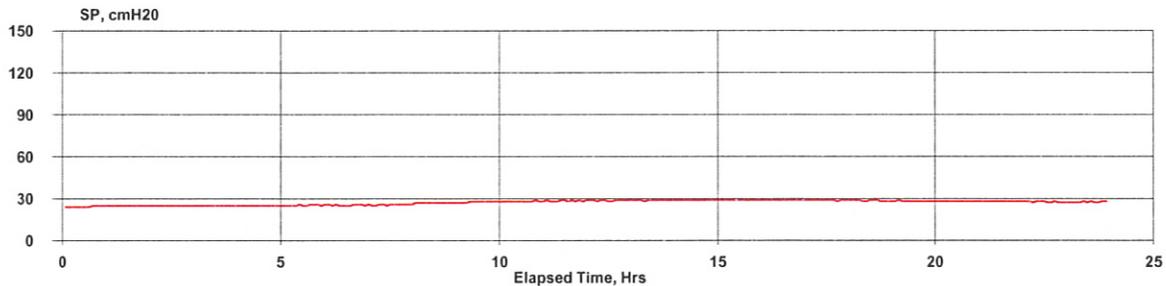
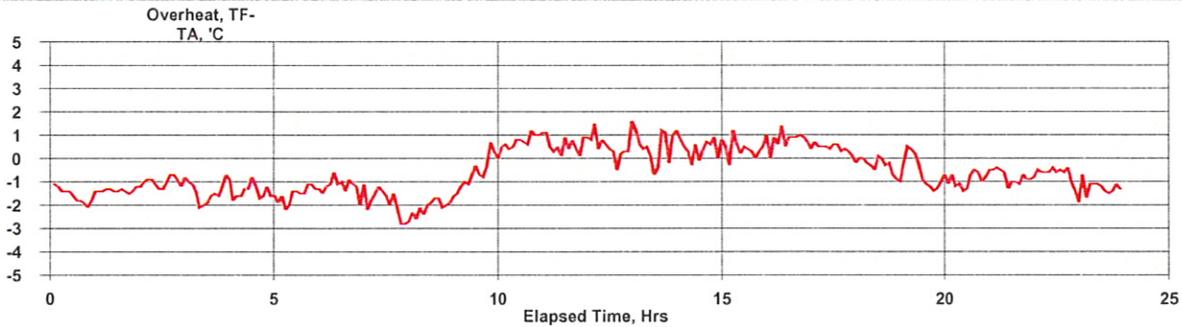
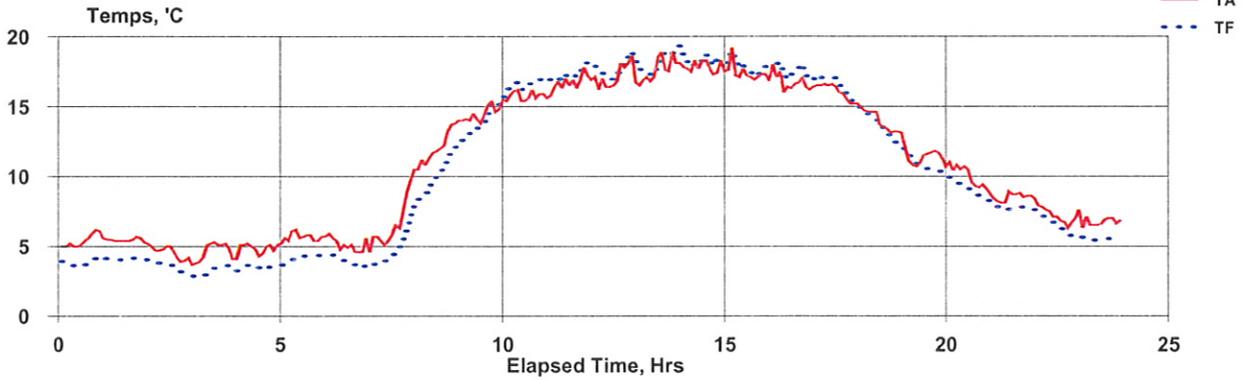
Mass Concentration Data:

Filter ID:	11
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV 0.53 %
 Max overheat 3.1 °C
 occurred 23-mar 12:49:47

Notes 1:

Notes 2:



Hourly

17-20-mar	0:05:08	593	5.4	3.9	-1.6	24	16.71
17-20-mar	1:05:08	593	5.4	4.1	-1.4	25	16.70
17-20-mar	2:05:08	593	4.5	3.5	-1.0	25	16.71
17-20-mar	3:05:08	593	4.7	3.2	-1.4	25	16.70
17-20-mar	4:05:08	593	4.9	3.5	-1.4	25	16.70
17-20-mar	5:05:08	593	5.7	4.2	-1.5	25	16.72
17-20-mar	6:05:08	593	5.1	3.9	-1.2	26	16.71
17-20-mar	7:05:08	593	6.9	4.9	-2.0	26	16.71
17-20-mar	8:05:08	593	12.2	10.2	-2.0	27	16.71
17-20-mar	9:05:08	593	14.5	14.0	-0.6	28	16.70
17-20-mar	10:05:08	593	15.8	16.5	0.8	28	16.70
17-20-mar	11:05:08	593	16.7	17.3	0.6	29	16.70
17-20-mar	12:05:08	593	17.1	17.7	0.6	29	16.71
17-20-mar	13:05:08	592	17.7	18.2	0.5	29	16.71
17-20-mar	14:05:08	592	17.8	18.3	0.4	29	16.71
17-20-mar	15:05:08	592	17.4	17.8	0.4	29	16.70
17-20-mar	16:05:08	591	16.7	17.5	0.8	29	16.71
17-20-mar	17:05:08	591	16.0	16.4	0.4	29	16.71
17-20-mar	18:05:08	591	13.9	13.6	-0.3	29	16.69
17-20-mar	19:05:08	591	11.3	10.8	-0.6	28	16.71
17-20-mar	20:05:08	591	9.9	9.0	-0.9	28	16.71
17-20-mar	21:05:08	592	8.5	7.7	-0.8	28	16.72
17-20-mar	22:05:08	591	7.2	6.4	-0.8	28	16.71
17-20-mar	23:05:08	591	6.7	5.5	-1.2	27	16.70

BGI PQ200 Air Sampling System Downloaded 2017 27 mar 09:48:22

Job Details:

Job Name: 17Mar27B.JOB
 Version: 5.62
 Serial No: 963
 Pump Time: 4512:48
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:

User1: ++++++
 User2:

	Max	Min	Avg	Units
BP	589	585	587	mmHg
TA	11.8	-2.7	3.9	°C
Q	---	---	16.7	Lpm

Timer Information:

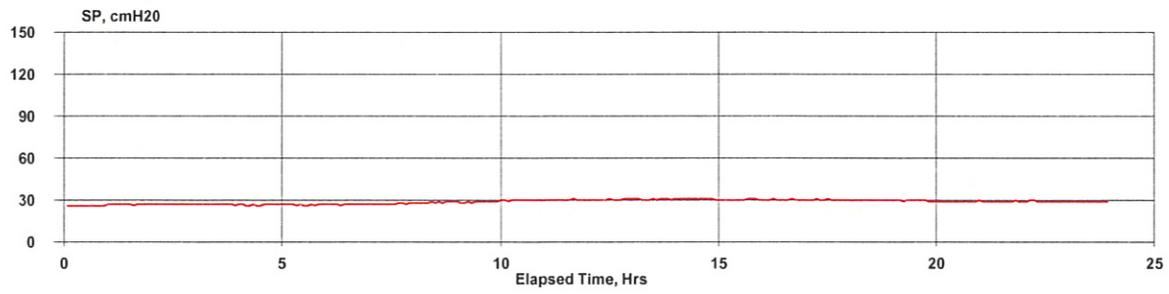
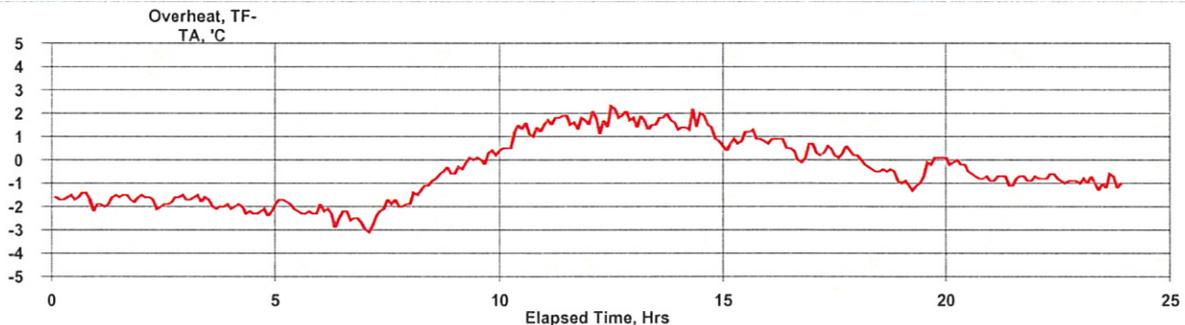
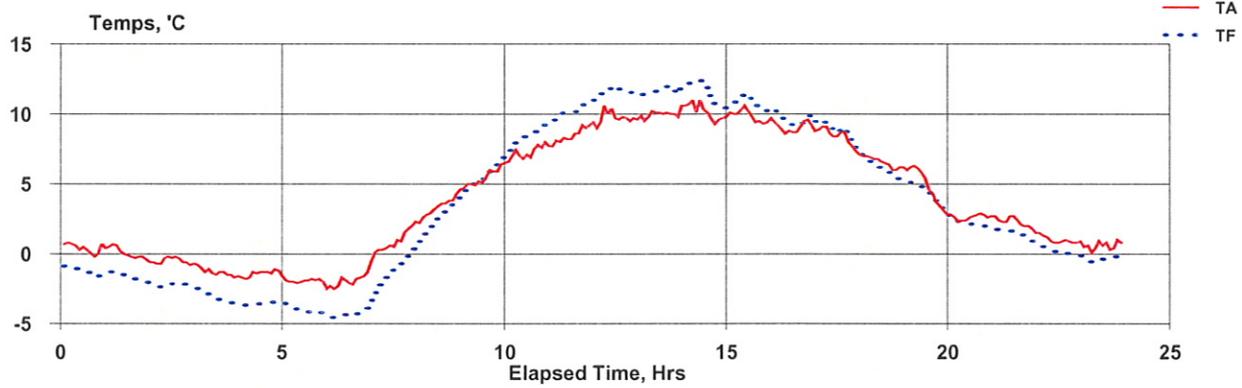
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-26-mar	0:00:08
Stop:	17-27-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	20
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.038 m ³
Mass Conc:	0 µg/m ³

QCV 0.5 %
 Max overheat 2.6 °C
 occurred 26-mar 12:30:22

Notes 1:
 Notes 2:



Hourly

17-26-mar	0:05:08	587	0.4	-1.3	-1.7	26	16.71
17-26-mar	1:05:08	587	0.0	-1.7	-1.7	27	16.71
17-26-mar	2:05:08	587	-0.5	-2.3	-1.8	27	16.71
17-26-mar	3:05:08	587	-1.3	-3.2	-1.8	27	16.71
17-26-mar	4:05:08	587	-1.4	-3.6	-2.2	27	16.71
17-26-mar	5:05:08	587	-2.0	-4.0	-2.1	27	16.71
17-26-mar	6:05:08	588	-1.8	-4.3	-2.5	27	16.71
17-26-mar	7:05:08	588	1.0	-1.2	-2.1	27	16.72
17-26-mar	8:05:08	588	3.4	2.5	-0.9	29	16.71
17-26-mar	9:05:08	588	5.5	5.6	0.0	29	16.71
17-26-mar	10:05:08	589	7.3	8.4	1.1	30	16.72
17-26-mar	11:05:08	589	8.5	10.2	1.7	30	16.70
17-26-mar	12:05:08	588	9.8	11.6	1.8	30	16.71
17-26-mar	13:05:08	588	10.0	11.6	1.6	31	16.71
17-26-mar	14:05:08	588	10.2	11.6	1.4	31	16.71
17-26-mar	15:05:08	588	9.9	10.7	0.9	30	16.71
17-26-mar	16:05:08	588	9.0	9.6	0.5	30	16.72
17-26-mar	17:05:08	588	8.3	8.7	0.3	30	16.71
17-26-mar	18:05:08	588	6.5	6.1	-0.5	30	16.70
17-26-mar	19:05:08	588	4.8	4.3	-0.5	30	16.71
17-26-mar	20:05:08	588	2.6	2.2	-0.5	29	16.71
17-26-mar	21:05:08	588	2.2	1.4	-0.8	29	16.72
17-26-mar	22:05:08	588	1.0	0.2	-0.8	29	16.71
17-26-mar	23:05:08	588	0.6	-0.4	-1.0	29	16.70

Collocated Monitor 964C

PM₁₀ Sampler Summary

January 1, 2017 - March 31, 2017

Network: Alton Coal Development

Site: Coal Hollow

Sampler ID: Coal Hollow-C

AQS ID:

Sampler Type: BGI FRM Single

Date	Filter ID	Concentration	Concentration	Sample Period (hr:min)	Sample Volume (m3)	Std Volume (m3)	Mass			Flag	Comments	
		(µg/m3) LTP	(µg/m3) STP				Tare (mg)	Gross (mg)	Net (mg)			
01/01/17	P2935446	1.7	2.1	23:59	24.0	20.2	360.144	360.187	0.043			
01/07/17	P2935451	2.5	2.9	23:59	24.0	21.0	366.697	366.758	0.061			
01/13/17	P2935456	2.2	2.6	23:59	24.0	20.4	369.828	369.883	0.055			
01/19/17	P2936214	Invalid - AG	Invalid - AG	20:48	20.8	17.5	387.224	387.268	0.044	SP		
01/25/17		Invalid - AF	Invalid - AF									
01/31/17	P2936217	3.8	4.4	23:59	24.0	20.6	393.247	393.339	0.092			
02/06/17	P2936223	4.7	5.6	23:59	24.0	20.2	389.984	390.098	0.114	XT,HT		
02/12/17	P2936794	3.3	3.9	23:59	24.0	20.4	388.270	388.351	0.081	HT		
02/18/17	P2936801	5.7	6.9	23:59	24.0	19.9	396.771	396.910	0.139	HT		
02/24/17	P2937194	12.2	14.1	23:59	24.0	20.7	387.575	387.869	0.294	HT		
03/02/17	P2936806	32.3	37.7	24:00	24.0	20.6	384.185	384.962	0.777	XT,HT		
03/08/17	P2937631	22.0	26.3	23:59	24.0	20.1	385.314	385.845	0.531	HT		
03/14/17	P2937634	23.8	28.8	23:59	24.0	19.9	383.630	384.203	0.573		Smudged	
03/20/17	P2937639	47.5	58.0	23:59	24.0	19.7	382.702	383.846	1.144		Smudged; darker color	
03/26/17	P2938098	1.5	1.8	23:59	24.0	20.1	382.923	382.961	0.038			
02/21/17	P2937197	Field Blank						387.816	387.826	0.010		
	# Valid	Recovery	Average	St. Dev.	Max	Min						
	13	87%	15.0	17.6	58.0	1.8						

BGI PQ200 Air Sampling System Downloaded 2017 03 jan 13:33:42

Job Details:

Job Name: 17Jan03C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6360:32
 Flags:

Job Code:
 Site Name: 964C
 Station Code:
 Operators: KN
 User1:
 User2:

	Max	Min	Avg	Units
BP	587	583	584	mmHg
TA	2	-2.7	-0.4	°C
Q	---	---	16.71	Lpm

Timer Information:

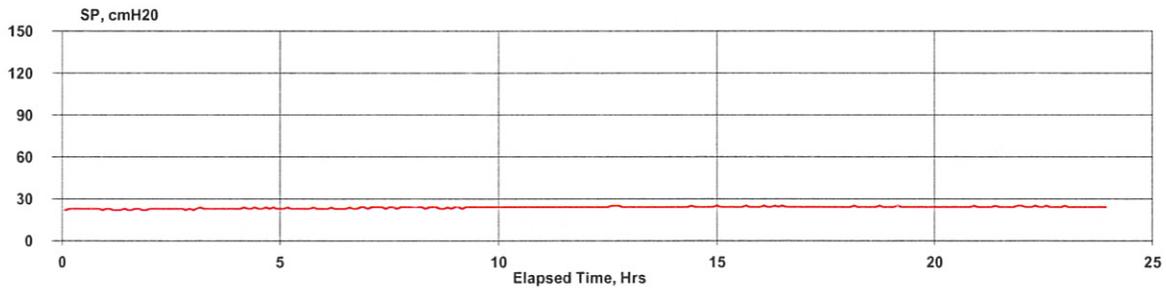
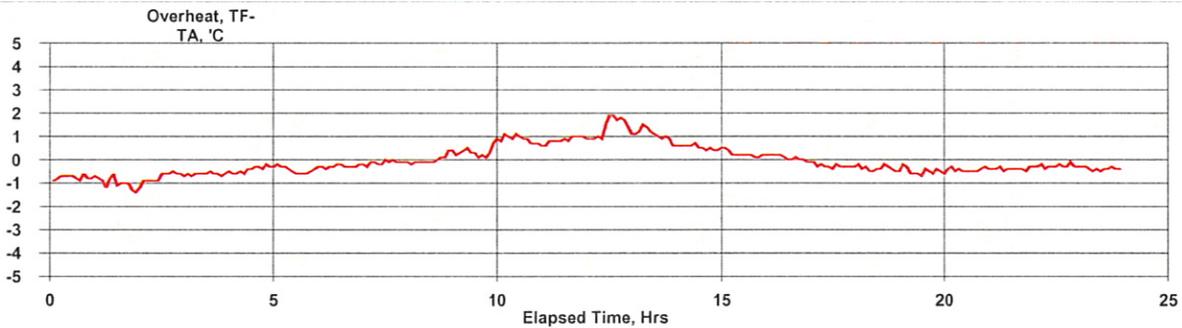
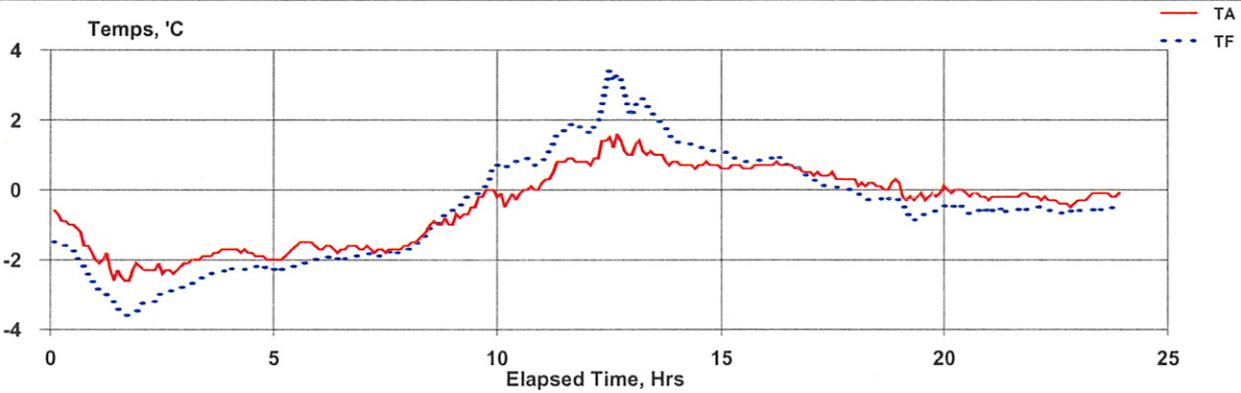
Date	Time
dd-mmm	hh:mm:ss
Start: 16-01-jan	0:00:08
Stop: 17-02-jan	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	11
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.043 m ³
Mass Conc:	0 µg/m ³

QCV 0.6 %
 Max overheat 2.3 °C
 occurred 01-jan 12:32:33

Notes 1:
 Notes 2:



Hourly

17-01-jan	0:05:08	586	-1.2	-2.0	-0.8	23	16.71
17-01-jan	1:05:08	586	-2.3	-3.3	-1.0	22	16.71
17-01-jan	2:05:08	586	-2.3	-3.0	-0.7	23	16.72
17-01-jan	3:05:08	585	-1.9	-2.5	-0.6	23	16.71
17-01-jan	4:05:08	585	-1.9	-2.3	-0.4	23	16.71
17-01-jan	5:05:08	585	-1.7	-2.1	-0.4	23	16.72
17-01-jan	6:05:08	585	-1.7	-1.9	-0.3	23	16.71
17-01-jan	7:05:08	585	-1.7	-1.8	-0.1	24	16.71
17-01-jan	8:05:08	585	-1.1	-1.1	0.0	24	16.71
17-01-jan	9:05:08	585	-0.4	0.0	0.4	24	16.71
17-01-jan	10:05:08	585	-0.1	0.8	0.9	24	16.71
17-01-jan	11:05:08	585	0.7	1.6	0.9	24	16.71
17-01-jan	12:05:08	584	1.2	2.6	1.4	24	16.71
17-01-jan	13:05:08	584	1.0	2.0	1.0	24	16.70
17-01-jan	14:05:08	584	0.7	1.2	0.5	24	16.72
17-01-jan	15:05:08	584	0.7	0.9	0.2	24	16.70
17-01-jan	16:05:08	584	0.6	0.7	0.1	24	16.72
17-01-jan	17:05:08	584	0.4	0.1	-0.3	24	16.71
17-01-jan	18:05:08	584	0.1	-0.2	-0.4	24	16.72
17-01-jan	19:05:08	584	-0.2	-0.7	-0.5	24	16.71
17-01-jan	20:05:08	584	-0.1	-0.5	-0.4	24	16.71
17-01-jan	21:05:08	584	-0.2	-0.6	-0.4	24	16.72
17-01-jan	22:05:08	584	-0.3	-0.6	-0.3	24	16.71
17-01-jan	23:05:08	585	-0.2	-0.6	-0.4	24	16.71

BGI PQ200 Air Sampling System Downloaded 2017 10 jan 14:19:21

Job Details:

Job Name: 17Jan10C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6384:31
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	598	593	595	mmHg
TA	-0.3	-15.1	-5.8	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-07-jan	0:00:08
Stop:	17-08-jan	0:00:04
ET:	23:59	

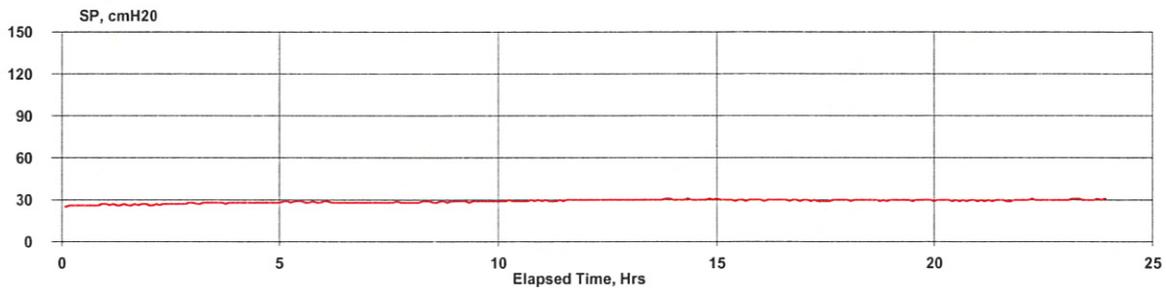
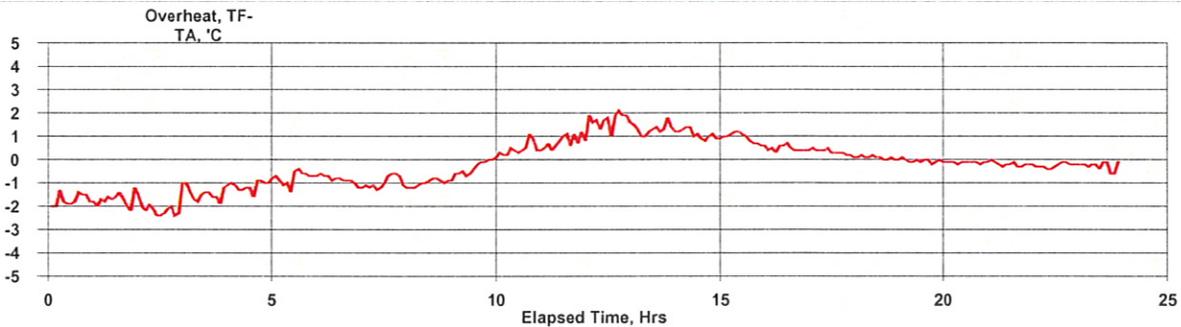
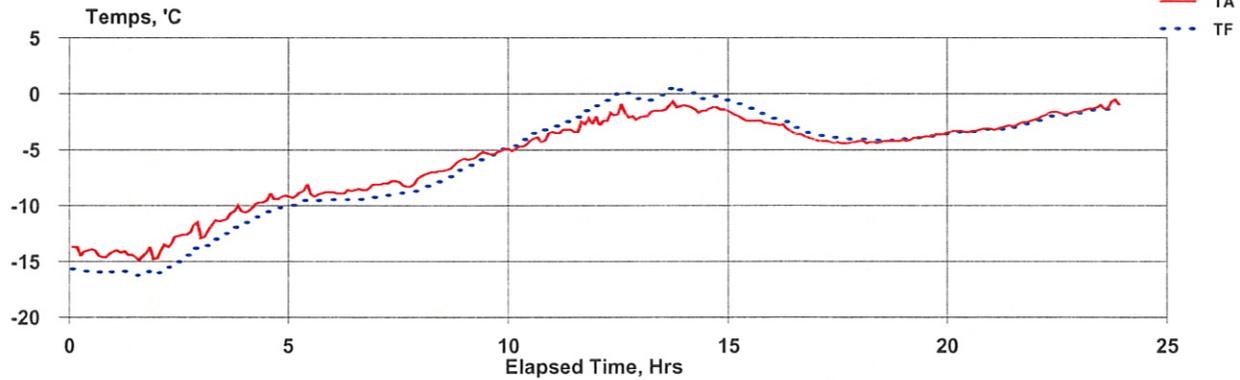
Mass Concentration Data:

Filter ID:	16
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.043 m ³
Mass Conc:	0 µg/m ³

QCV 0.53 %
 Max overheat 2.5 °C
 occurred 07-jan 12:41:53

Notes 1:

Notes 2:



Hourly

17-07-jan	0:05:08	595	-14.2	-15.9	-1.7	26	16.71
17-07-jan	1:05:08	594	-14.4	-16.1	-1.7	26	16.72
17-07-jan	2:05:08	595	-12.8	-14.9	-2.1	27	16.71
17-07-jan	3:05:08	595	-11.2	-12.7	-1.5	28	16.71
17-07-jan	4:05:08	594	-9.6	-10.7	-1.1	28	16.72
17-07-jan	5:05:08	595	-8.9	-9.7	-0.8	29	16.72
17-07-jan	6:05:08	595	-8.6	-9.5	-0.9	28	16.72
17-07-jan	7:05:08	595	-8.0	-8.9	-1.0	28	16.71
17-07-jan	8:05:08	596	-6.7	-7.6	-1.0	29	16.72
17-07-jan	9:05:08	596	-5.4	-5.7	-0.3	29	16.71
17-07-jan	10:05:08	597	-4.3	-3.8	0.5	29	16.71
17-07-jan	11:05:08	596	-3.0	-2.2	0.8	30	16.72
17-07-jan	12:05:08	596	-2.0	-0.3	1.7	30	16.71
17-07-jan	13:05:08	595	-1.4	-0.1	1.3	30	16.72
17-07-jan	14:05:08	595	-1.4	-0.3	1.1	30	16.72
17-07-jan	15:05:08	595	-2.3	-1.4	0.9	30	16.72
17-07-jan	16:05:08	596	-3.4	-3.0	0.5	30	16.71
17-07-jan	17:05:08	596	-4.3	-4.0	0.3	30	16.70
17-07-jan	18:05:08	596	-4.3	-4.2	0.1	30	16.71
17-07-jan	19:05:08	597	-3.8	-3.9	-0.1	30	16.71
17-07-jan	20:05:08	596	-3.3	-3.4	-0.1	30	16.70
17-07-jan	21:05:08	597	-2.8	-2.9	-0.2	30	16.70
17-07-jan	22:05:08	597	-1.8	-2.0	-0.2	30	16.71
17-07-jan	23:05:08	597	-1.1	-1.4	-0.3	30	16.70

BGI PQ200 Air Sampling System Downloaded 2017 10 jan 14:19:21

Job Details:

Job Name: 17Jan10C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6384:31
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	598	593	595	mmHg
TA	-0.3	-15.1	-5.8	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-07-jan	0:00:08
Stop:	17-08-jan	0:00:04
ET:	23:59	

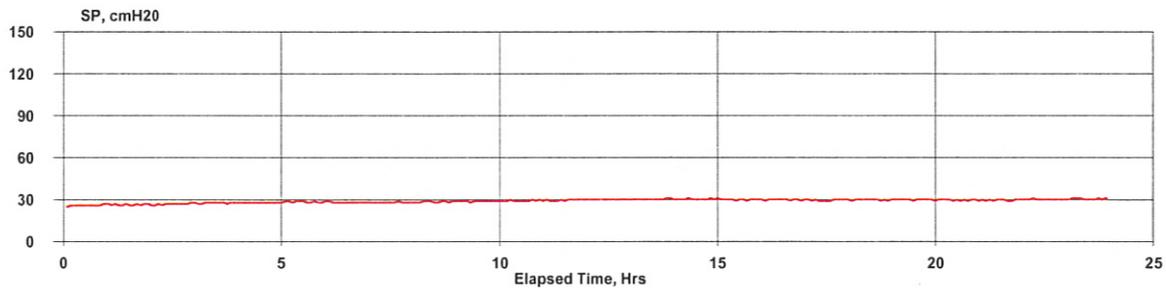
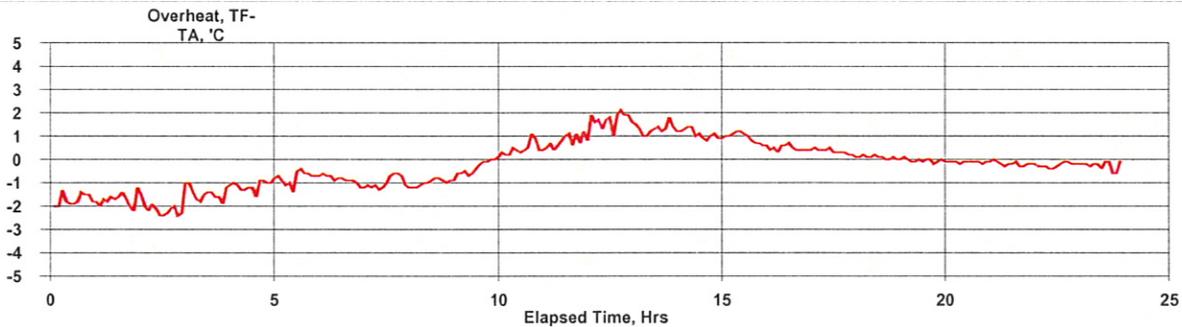
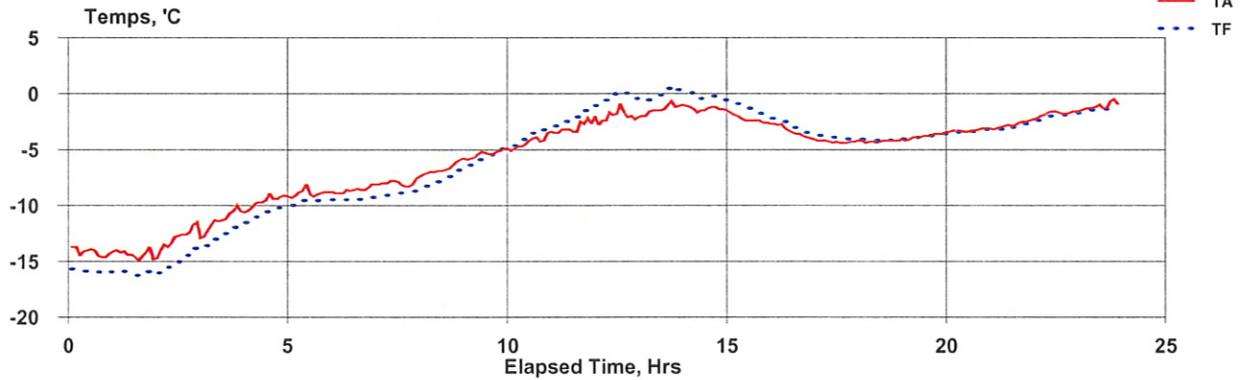
Mass Concentration Data:

Filter ID:	16
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.043 m ³
Mass Conc:	0 µg/m ³

QCV 0.53 %
 Max overheat 2.5 °C
 occurred 07-jan 12:41:53

Notes 1:

Notes 2:



Hourly

17-07-jan	0:05:08	595	-14.2	-15.9	-1.7	26	16.71
17-07-jan	1:05:08	594	-14.4	-16.1	-1.7	26	16.72
17-07-jan	2:05:08	595	-12.8	-14.9	-2.1	27	16.71
17-07-jan	3:05:08	595	-11.2	-12.7	-1.5	28	16.71
17-07-jan	4:05:08	594	-9.6	-10.7	-1.1	28	16.72
17-07-jan	5:05:08	595	-8.9	-9.7	-0.8	29	16.72
17-07-jan	6:05:08	595	-8.6	-9.5	-0.9	28	16.72
17-07-jan	7:05:08	595	-8.0	-8.9	-1.0	28	16.71
17-07-jan	8:05:08	596	-6.7	-7.6	-1.0	29	16.72
17-07-jan	9:05:08	596	-5.4	-5.7	-0.3	29	16.71
17-07-jan	10:05:08	597	-4.3	-3.8	0.5	29	16.71
17-07-jan	11:05:08	596	-3.0	-2.2	0.8	30	16.72
17-07-jan	12:05:08	596	-2.0	-0.3	1.7	30	16.71
17-07-jan	13:05:08	595	-1.4	-0.1	1.3	30	16.72
17-07-jan	14:05:08	595	-1.4	-0.3	1.1	30	16.72
17-07-jan	15:05:08	595	-2.3	-1.4	0.9	30	16.72
17-07-jan	16:05:08	596	-3.4	-3.0	0.5	30	16.71
17-07-jan	17:05:08	596	-4.3	-4.0	0.3	30	16.70
17-07-jan	18:05:08	596	-4.3	-4.2	0.1	30	16.71
17-07-jan	19:05:08	597	-3.8	-3.9	-0.1	30	16.71
17-07-jan	20:05:08	596	-3.3	-3.4	-0.1	30	16.70
17-07-jan	21:05:08	597	-2.8	-2.9	-0.2	30	16.70
17-07-jan	22:05:08	597	-1.8	-2.0	-0.2	30	16.71
17-07-jan	23:05:08	597	-1.1	-1.4	-0.3	30	16.70

BGI PQ200 Air Sampling System Downloaded 2017 17 jan 14:49:25

Job Details:

Job Name: 17Jan17C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6408:30
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	596	588	592	mmHg
TA	6.5	-4	0.4	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-13-jan	0:00:08
Stop:	17-14-jan	0:00:04
ET:	23:59	

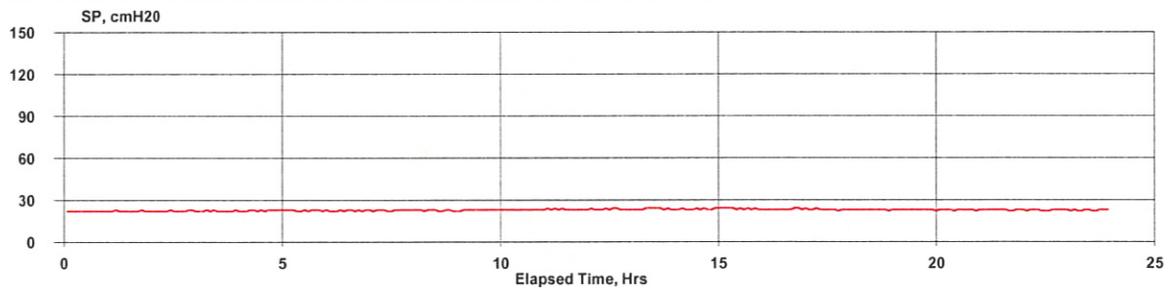
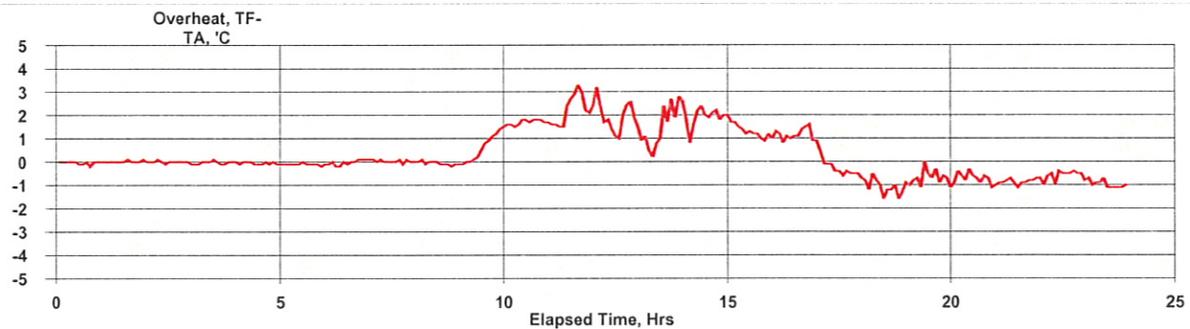
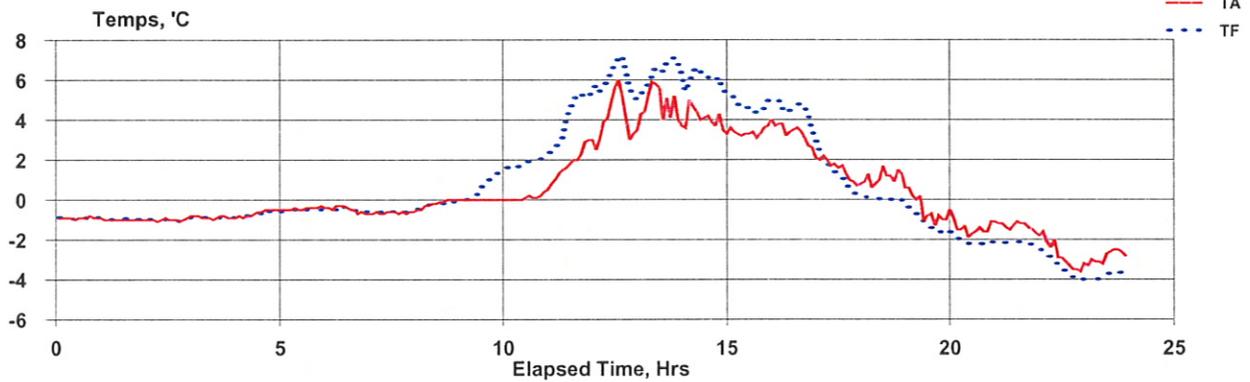
Mass Concentration Data:

Filter ID:	25
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.045 m ³
Mass Conc:	0 µg/m ³

QCV 0.58 %
 Max overheat 3.4 °C
 occurred 13-jan 11:40:02

Notes 1:

Notes 2:



Hourly

17-13-jan	0:05:08	590	-0.9	-0.9	0.0	22	16.71
17-13-jan	1:05:08	590	-1.0	-1.0	0.0	22	16.71
17-13-jan	2:05:08	591	-1.0	-1.0	0.0	22	16.70
17-13-jan	3:05:08	591	-0.9	-0.9	0.0	22	16.71
17-13-jan	4:05:08	591	-0.6	-0.7	-0.1	23	16.71
17-13-jan	5:05:08	591	-0.4	-0.5	-0.1	23	16.71
17-13-jan	6:05:08	591	-0.5	-0.5	0.0	23	16.71
17-13-jan	7:05:08	592	-0.6	-0.6	0.0	23	16.71
17-13-jan	8:05:08	592	-0.2	-0.2	-0.1	23	16.72
17-13-jan	9:05:08	593	0.0	0.6	0.6	23	16.71
17-13-jan	10:05:08	593	0.1	1.8	1.7	23	16.71
17-13-jan	11:05:08	593	1.9	4.2	2.3	23	16.71
17-13-jan	12:05:08	593	4.1	6.0	1.9	23	16.71
17-13-jan	13:05:08	593	4.8	6.3	1.6	24	16.71
17-13-jan	14:05:08	593	4.1	6.0	1.9	23	16.72
17-13-jan	15:05:08	593	3.4	4.7	1.3	24	16.71
17-13-jan	16:05:08	594	3.2	4.4	1.2	23	16.71
17-13-jan	17:05:08	594	1.5	1.2	-0.3	23	16.71
17-13-jan	18:05:08	594	1.1	0.0	-1.1	23	16.71
17-13-jan	19:05:08	595	-0.5	-1.2	-0.7	23	16.71
17-13-jan	20:05:08	595	-1.4	-2.2	-0.7	23	16.71
17-13-jan	21:05:08	595	-1.4	-2.2	-0.8	23	16.72
17-13-jan	22:05:08	595	-2.8	-3.4	-0.6	23	16.71
17-13-jan	23:05:08	595	-2.9	-3.8	-1.0	23	16.70

BGI PQ200 Air Sampling System Downloaded 2017 27 jan 13:33:09

Job Details:

Job Name: 17Jan27C.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1501:10
 Flags: P

Job Code:

Site Name: 2398E
 Station Code:
 Operators: KN
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	586	580	583	mmHg
TA	0.7	-8.6	-1.6	°C
Q	---	---	16.7	Lpm

Timer Information:

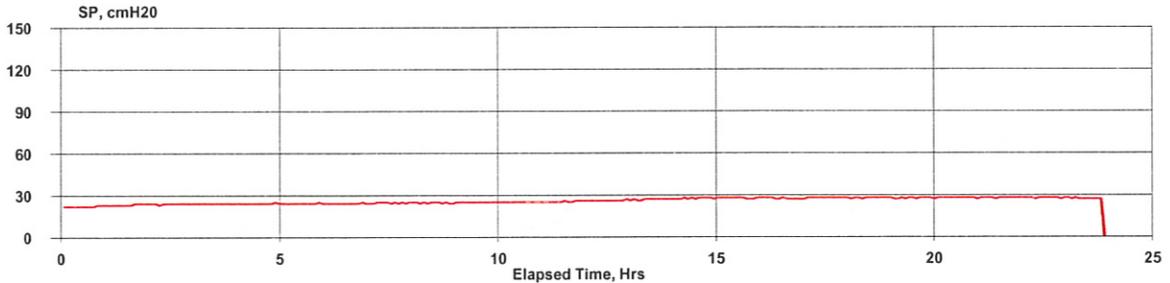
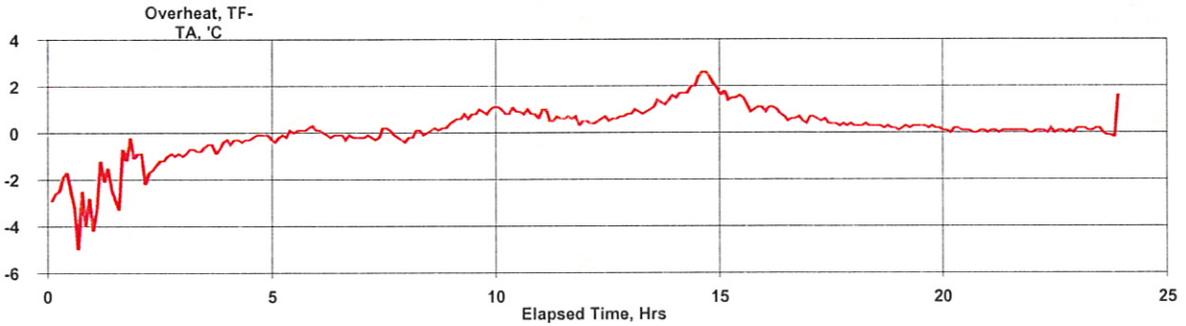
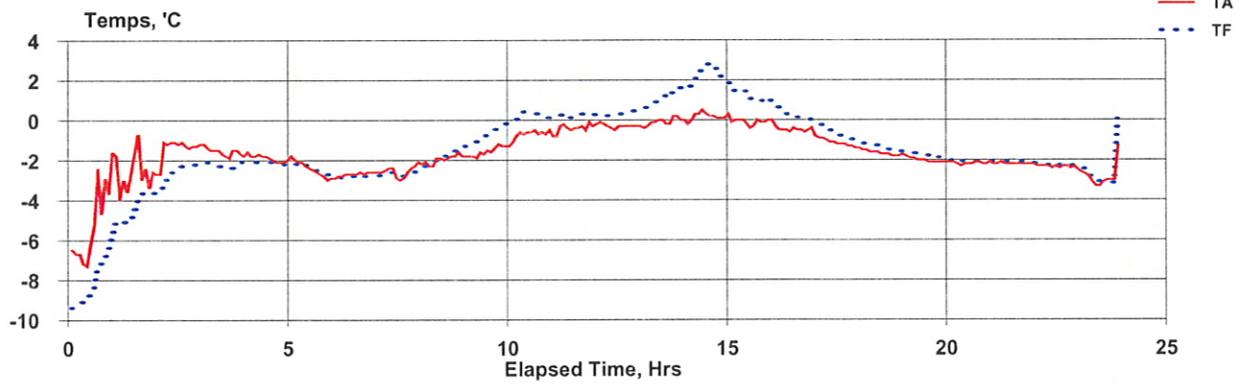
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-19-jan	0:00:08
Stop:	17-20-jan	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	28
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.037 m ³
Mass Conc:	0 µg/m ³

QCV 0.53 %
 Max overheat 5.2 °C
 occurred 24-jan 17:58:37

Notes 1:
 Notes 2:



Hourly

17-19-jan	0:05:08	586	-5.1	-8.1	-3.0	22	16.71
17-19-jan	1:05:08	586	-2.6	-4.4	-1.7	23	16.70
17-19-jan	2:05:08	585	-1.3	-2.6	-1.3	24	16.71
17-19-jan	3:05:08	585	-1.6	-2.2	-0.6	24	16.71
17-19-jan	4:05:08	585	-1.9	-2.1	-0.3	24	16.71
17-19-jan	5:05:08	585	-2.4	-2.4	0.0	24	16.72
17-19-jan	6:05:08	584	-2.7	-2.8	-0.1	24	16.71
17-19-jan	7:05:08	584	-2.6	-2.7	-0.1	25	16.71
17-19-jan	8:05:08	584	-2.0	-1.9	0.1	25	16.71
17-19-jan	9:05:08	584	-1.6	-0.8	0.8	25	16.72
17-19-jan	10:05:08	584	-0.7	0.2	0.9	25	16.72
17-19-jan	11:05:08	584	-0.4	0.2	0.6	25	16.71
17-19-jan	12:05:08	583	-0.3	0.3	0.6	26	16.71
17-19-jan	13:05:08	582	-0.1	1.0	1.1	27	16.72
17-19-jan	14:05:08	582	0.2	2.2	2.1	28	16.71
17-19-jan	15:05:08	582	-0.1	1.3	1.4	28	16.71
17-19-jan	16:05:08	582	-0.4	0.3	0.7	27	16.71
17-19-jan	17:05:08	581	-1.1	-0.6	0.5	28	16.70
17-19-jan	18:05:08	582	-1.6	-1.4	0.3	28	16.72
17-19-jan	19:05:08	581	-2.0	-1.7	0.2	28	16.71
17-19-jan	20:05:08	581	-2.2	-2.1	0.1	28	16.71
17-19-jan	21:05:08	581	-2.2	-2.1	0.1	28	16.70
17-19-jan	22:05:08	581	-2.3	-2.3	0.1	28	16.71
17-19-jan	23:05:08	581	-2.9	-2.9	0.1	27	16.70
17-21-jan	12:27:39	578	-1.3	0.3	1.6		0.00

BGI PQ200 Air Sampling System Downloaded 2017 01 feb 14:39:41

Job Details:

Job Name: 17Feb01C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6453:17
 Flags:

Job Code:
 Site Name: 964C
 Station Code:
 Operators: KN
 User1:
 User2:

	Max	Min	Avg	Units
BP	596	593	594	mmHg
TA	6.9	-7.9	-0.7	°C
Q	---	---	16.71	Lpm

Timer Information:

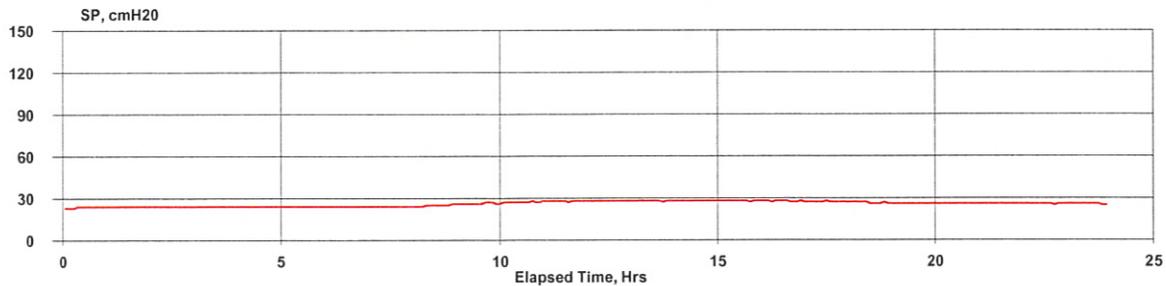
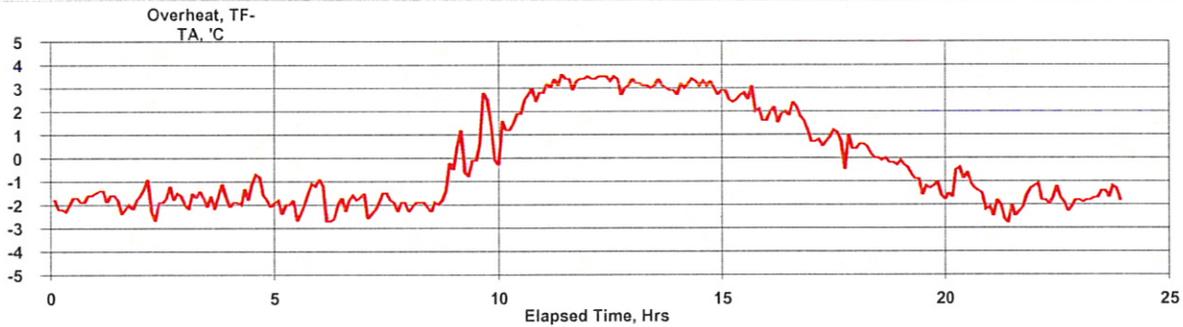
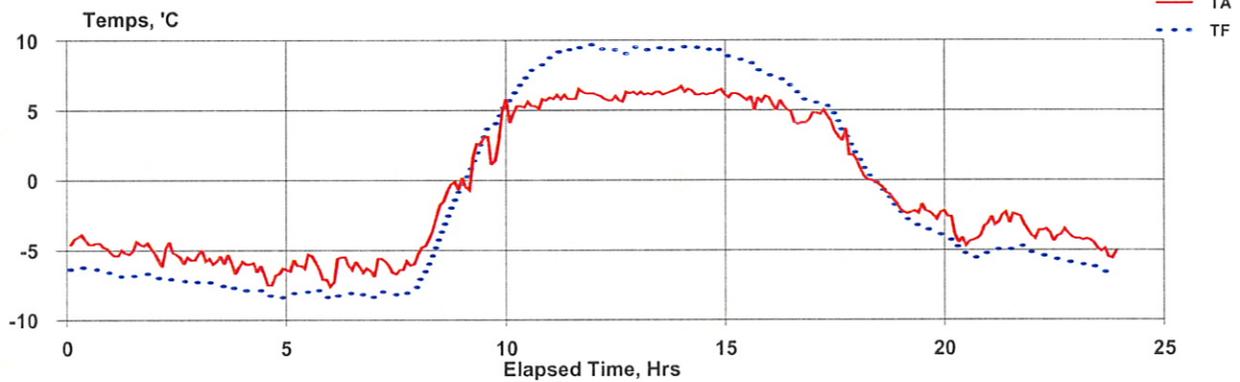
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-31-jan	0:00:08
Stop:	17-01-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	29
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.044 m ³
Mass Conc:	0 µg/m ³

QCV 0.55 %
 Max overheat 3.9 °C
 occurred 31-jan 11:55:47

Notes 1:
 Notes 2:



Hourly

17-31-jan	0:05:08	595	-4.5	-6.4	-1.9	24	16.70
17-31-jan	1:05:08	595	-5.0	-6.8	-1.8	24	16.71
17-31-jan	2:05:08	595	-5.5	-7.2	-1.7	24	16.71
17-31-jan	3:05:08	595	-5.8	-7.5	-1.7	24	16.71
17-31-jan	4:05:08	594	-6.6	-8.1	-1.6	24	16.71
17-31-jan	5:05:08	594	-6.3	-8.1	-1.8	24	16.71
17-31-jan	6:05:08	594	-6.2	-8.2	-2.0	24	16.72
17-31-jan	7:05:08	594	-6.0	-8.1	-2.0	24	16.71
17-31-jan	8:05:08	594	-2.1	-3.8	-1.7	25	16.71
17-31-jan	9:05:08	595	2.4	2.9	0.6	26	16.71
17-31-jan	10:05:08	595	5.3	7.4	2.1	27	16.71
17-31-jan	11:05:08	594	6.1	9.3	3.3	28	16.71
17-31-jan	12:05:08	594	6.0	9.3	3.3	28	16.72
17-31-jan	13:05:08	593	6.3	9.4	3.1	28	16.71
17-31-jan	14:05:08	593	6.3	9.4	3.1	28	16.71
17-31-jan	15:05:08	593	5.9	8.3	2.4	28	16.72
17-31-jan	16:05:08	593	4.7	6.5	1.8	28	16.71
17-31-jan	17:05:08	593	3.5	4.1	0.7	27	16.71
17-31-jan	18:05:08	594	-0.6	-0.5	0.1	27	16.72
17-31-jan	19:05:08	594	-2.3	-3.4	-1.1	26	16.71
17-31-jan	20:05:08	594	-3.8	-5.1	-1.3	26	16.71
17-31-jan	21:05:08	594	-2.9	-5.0	-2.1	26	16.72
17-31-jan	22:05:08	594	-3.9	-5.7	-1.8	26	16.71
17-31-jan	23:05:08	594	-4.8	-6.4	-1.6	26	16.71

BGI PQ200 Air Sampling System Downloaded 2017 08 feb 11:09:50

Job Details:

Job Name: 17Feb08C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6477:16
 Flags:

Job Code:
 Site Name: 964C
 Station Code:
 Operators: KN
 User1:
 User2:

	Max	Min	Avg	Units
BP	590	587	588	mmHg
TA	2.7	-0.9	1.3	°C
Q	---	---	16.7	Lpm

Timer Information:

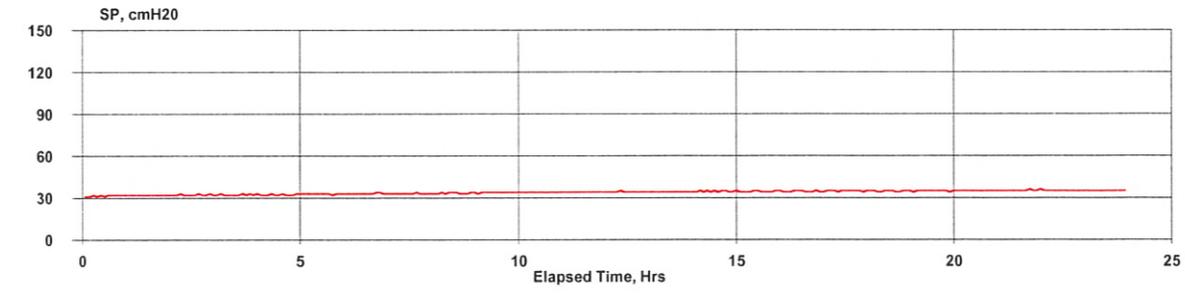
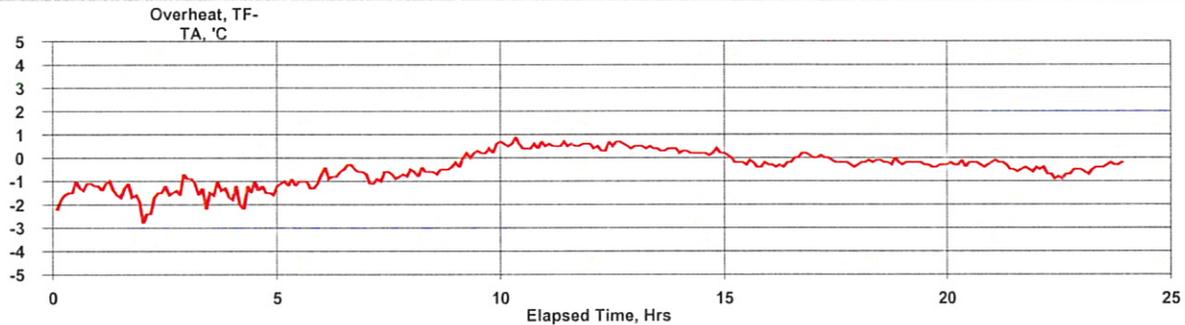
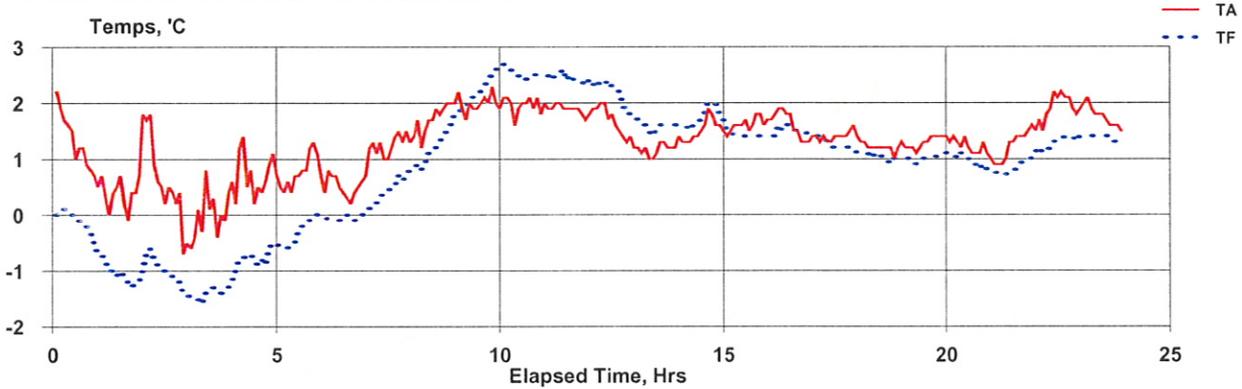
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-06-feb	0:00:08
Stop:	17-07-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	35
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.044 m ³
Mass Conc:	0 µg/m ³

QCV 0.56 %
 Max overheat 1.8 °C
 occurred 07-feb 14:54:27

Notes 1:
 Notes 2:



Hourly

17-06-feb	0:05:08	588	1.3	-0.1	-1.4	32	16.71
17-06-feb	1:05:08	588	0.5	-1.1	-1.6	32	16.72
17-06-feb	2:05:08	588	0.5	-1.0	-1.5	32	16.71
17-06-feb	3:05:08	588	0.0	-1.4	-1.5	32	16.72
17-06-feb	4:05:08	588	0.7	-0.8	-1.5	32	16.72
17-06-feb	5:05:08	588	0.8	-0.3	-1.1	33	16.71
17-06-feb	6:05:08	588	0.5	-0.1	-0.6	33	16.71
17-06-feb	7:05:08	588	1.3	0.5	-0.8	33	16.71
17-06-feb	8:05:08	589	1.7	1.2	-0.5	34	16.71
17-06-feb	9:05:08	589	2.0	2.2	0.2	34	16.71
17-06-feb	10:05:08	589	2.0	2.5	0.6	34	16.71
17-06-feb	11:05:08	589	1.9	2.4	0.6	34	16.71
17-06-feb	12:05:08	589	1.6	2.2	0.5	34	16.71
17-06-feb	13:05:08	589	1.2	1.6	0.4	34	16.70
17-06-feb	14:05:08	588	1.5	1.7	0.2	35	16.71
17-06-feb	15:05:08	588	1.6	1.4	-0.2	34	16.71
17-06-feb	16:05:08	589	1.6	1.5	-0.1	34	16.71
17-06-feb	17:05:08	589	1.4	1.3	-0.2	35	16.71
17-06-feb	18:05:08	589	1.2	1.0	-0.2	35	16.71
17-06-feb	19:05:08	589	1.3	1.0	-0.3	35	16.72
17-06-feb	20:05:08	589	1.2	1.0	-0.3	35	16.71
17-06-feb	21:05:08	589	1.3	0.9	-0.4	35	16.71
17-06-feb	22:05:08	590	1.9	1.3	-0.6	35	16.71
17-06-feb	23:05:08	590	1.8	1.4	-0.4	35	16.71

BGI PQ200 Air Sampling System Downloaded 2017 14 feb 12:30:51

Job Details:

Job Name: 17Feb14C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6501:15
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	596	592	594	mmHg
TA	4.3	-0.3	1.2	°C
Q	---	---	16.7	Lpm

Timer Information:

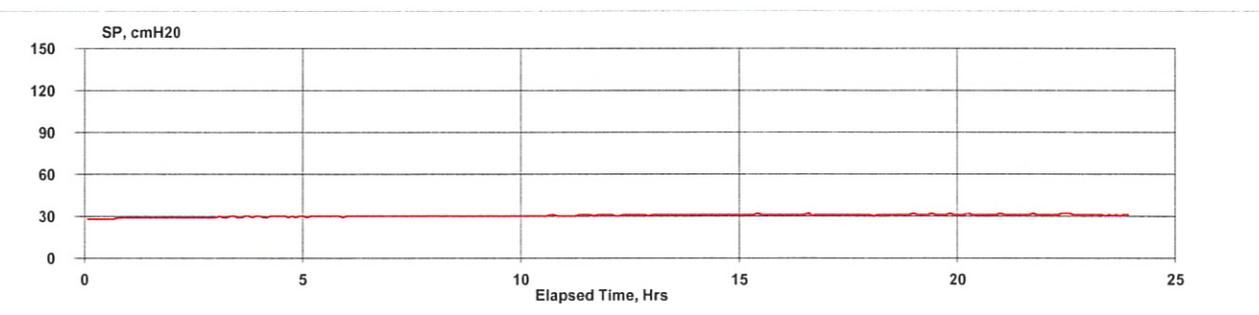
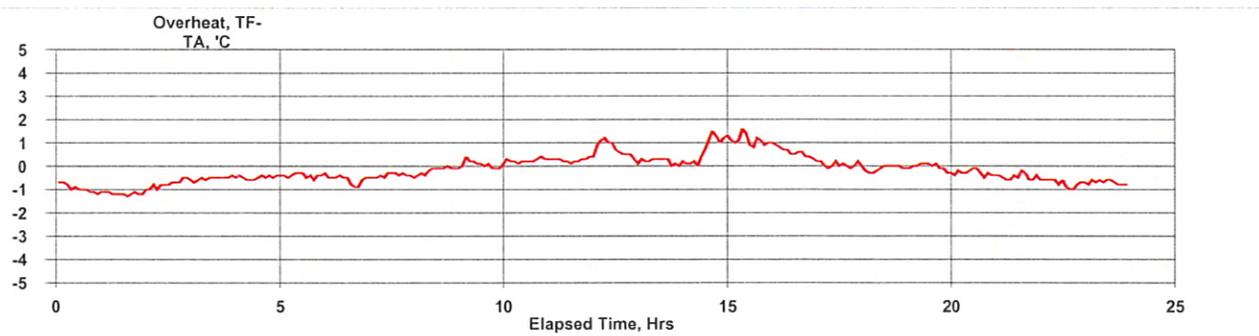
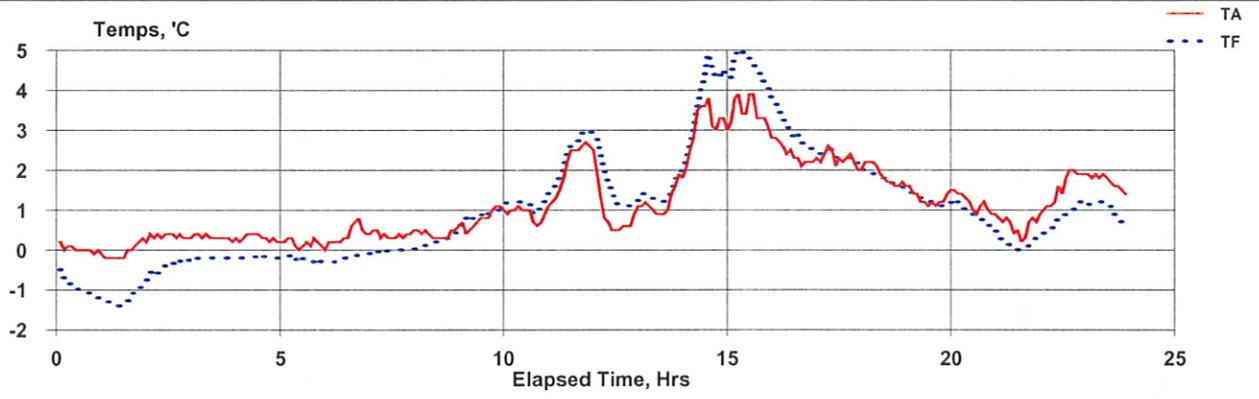
Date	Time
dd-mmm	hh:mm:ss
Start: 17-12-feb	0:00:08
Stop: 17-13-feb	0:00:04
ET: 23:59	

Mass Concentration Data:

Filter ID:	16
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.043 m ³
Mass Conc:	0 µg/m ³

QCV 0.55 %
 Max overheat 2.1 °C
 occurred 13-feb 13:03:25

Notes 1:
 Notes 2:



Hourly

17-12-feb	0:05:08	594	0.0	-1.0	-1.0	28	16.71
17-12-feb	1:05:08	594	0.0	-1.2	-1.2	29	16.71
17-12-feb	2:05:08	594	0.4	-0.4	-0.7	29	16.71
17-12-feb	3:05:08	594	0.3	-0.2	-0.5	30	16.71
17-12-feb	4:05:08	594	0.3	-0.2	-0.5	30	16.71
17-12-feb	5:05:08	594	0.2	-0.2	-0.4	30	16.71
17-12-feb	6:05:08	594	0.4	-0.2	-0.6	30	16.71
17-12-feb	7:05:08	595	0.4	0.0	-0.4	30	16.72
17-12-feb	8:05:08	595	0.4	0.2	-0.2	30	16.71
17-12-feb	9:05:08	596	0.8	0.9	0.1	30	16.71
17-12-feb	10:05:08	596	0.9	1.2	0.2	30	16.72
17-12-feb	11:05:08	596	2.2	2.4	0.3	31	16.71
17-12-feb	12:05:08	596	0.8	1.5	0.7	31	16.71
17-12-feb	13:05:08	595	1.2	1.4	0.2	31	16.71
17-12-feb	14:05:08	594	3.1	3.9	0.7	31	16.70
17-12-feb	15:05:08	594	3.4	4.5	1.1	31	16.71
17-12-feb	16:05:08	594	2.4	2.9	0.6	31	16.71
17-12-feb	17:05:08	594	2.3	2.3	0.0	31	16.71
17-12-feb	18:05:08	595	1.9	1.8	-0.1	31	16.71
17-12-feb	19:05:08	595	1.3	1.3	0.0	31	16.72
17-12-feb	20:05:08	595	1.2	0.9	-0.3	31	16.71
17-12-feb	21:05:08	595	0.6	0.2	-0.5	31	16.72
17-12-feb	22:05:08	595	1.6	0.8	-0.7	31	16.71
17-12-feb	23:05:08	594	1.7	1.0	-0.7	31	16.71

BGI PQ200 Air Sampling System Downloaded 2017 21 feb 12:39:36

Job Details:

Job Name: 17Feb21C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6525:14
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	585	582	583	mmHg
TA	3.9	0.9	2.7	°C
Q	---	---	16.71	Lpm

Timer Information:

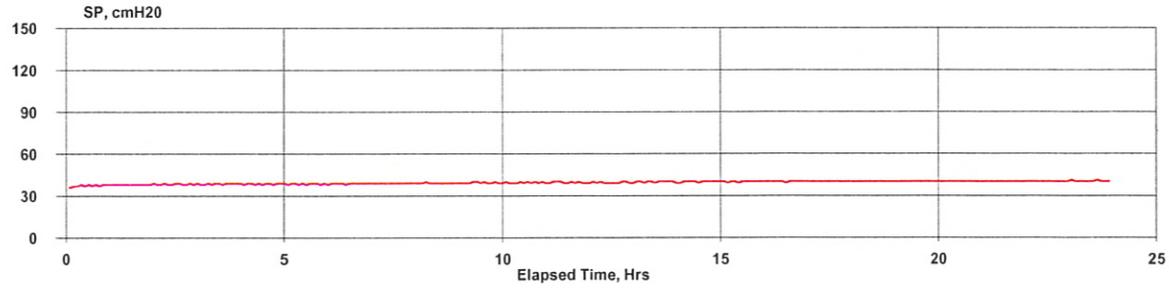
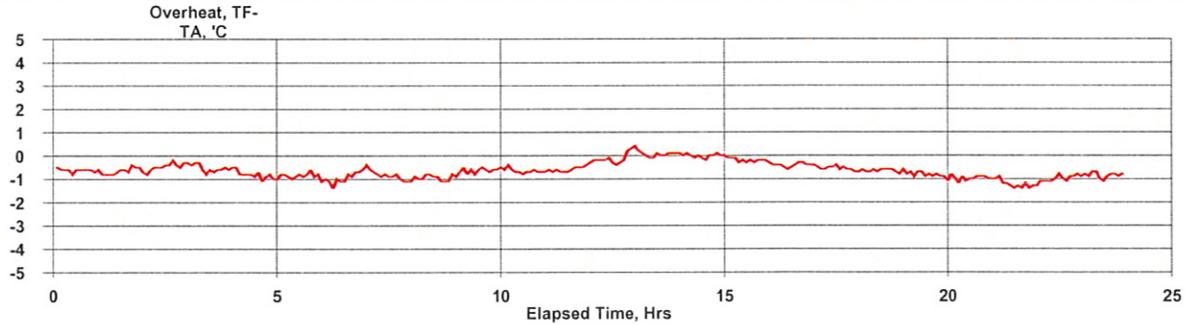
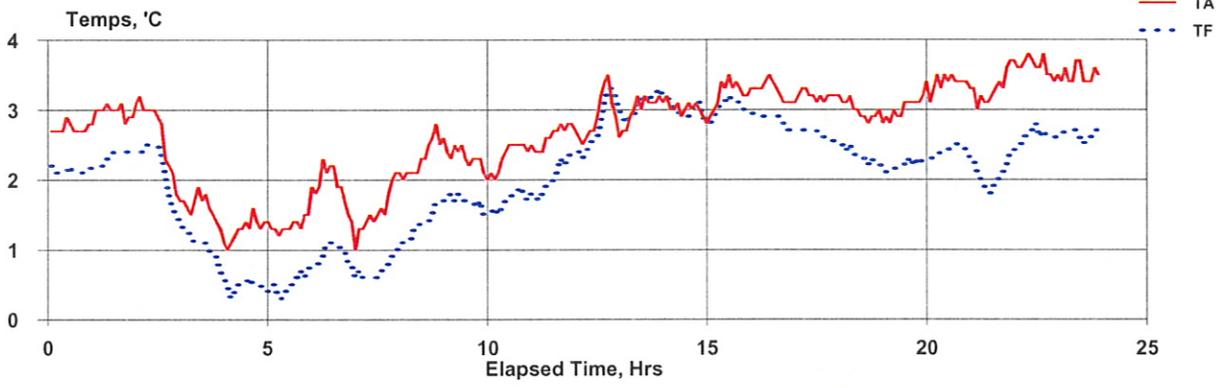
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-18-feb	0:00:08
Stop:	17-19-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	27
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.044 m ³
Mass Conc:	0 µg/m ³

QCV 0.5 %
 Max overheat 2.2 °C
 occurred 19-feb 16:34:18

Notes 1:
 Notes 2:



Hourly

17-18-feb	0:05:08	585	2.7	2.1	-0.6	37	16.71
17-18-feb	1:05:08	585	3.0	2.3	-0.7	38	16.71
17-18-feb	2:05:08	585	2.6	2.1	-0.5	38	16.71
17-18-feb	3:05:08	584	1.6	1.0	-0.5	39	16.71
17-18-feb	4:05:08	584	1.3	0.5	-0.8	39	16.71
17-18-feb	5:05:08	584	1.4	0.5	-0.9	39	16.71
17-18-feb	6:05:08	584	1.8	0.9	-0.9	39	16.71
17-18-feb	7:05:08	584	1.6	0.7	-0.9	39	16.71
17-18-feb	8:05:08	584	2.3	1.4	-0.9	39	16.71
17-18-feb	9:05:08	584	2.3	1.7	-0.6	39	16.72
17-18-feb	10:05:08	584	2.4	1.7	-0.7	39	16.71
17-18-feb	11:05:08	584	2.6	2.1	-0.6	39	16.73
17-18-feb	12:05:08	583	2.9	2.8	-0.1	39	16.70
17-18-feb	13:05:08	583	3.0	3.1	0.1	40	16.72
17-18-feb	14:05:08	583	3.0	3.0	0.0	40	16.71
17-18-feb	15:05:08	583	3.2	3.0	-0.2	40	16.71
17-18-feb	16:05:08	583	3.3	2.8	-0.4	40	16.71
17-18-feb	17:05:08	583	3.2	2.6	-0.6	40	16.71
17-18-feb	18:05:08	583	3.0	2.3	-0.7	40	16.72
17-18-feb	19:05:08	583	3.1	2.2	-0.8	40	16.70
17-18-feb	20:05:08	583	3.4	2.4	-1.0	40	16.71
17-18-feb	21:05:08	584	3.3	2.1	-1.2	40	16.69
17-18-feb	22:05:08	584	3.6	2.6	-1.0	40	16.70
17-18-feb	23:05:08	584	3.5	2.6	-0.9	40	16.71

BGI PQ200 Air Sampling System Downloaded 2017 27 feb 15:08:01

Job Details:

Job Name: 17Feb27C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6549:13
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	591	585	588	mmHg
TA	0	-9.9	-5.4	°C
Q	---	---	16.7	Lpm

Timer Information:

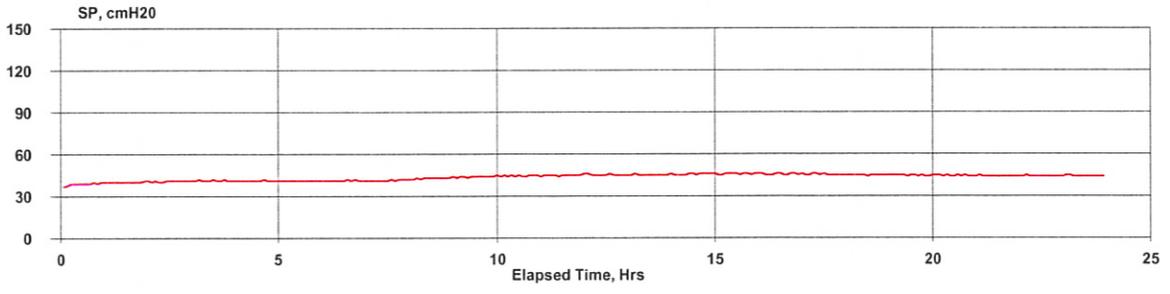
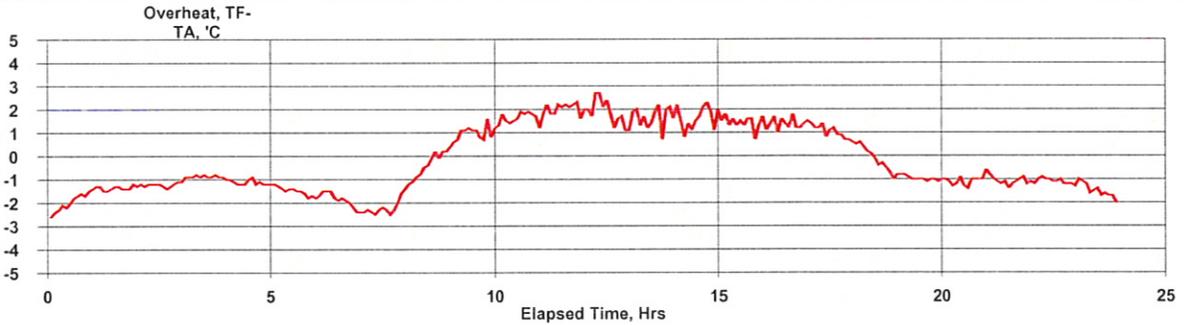
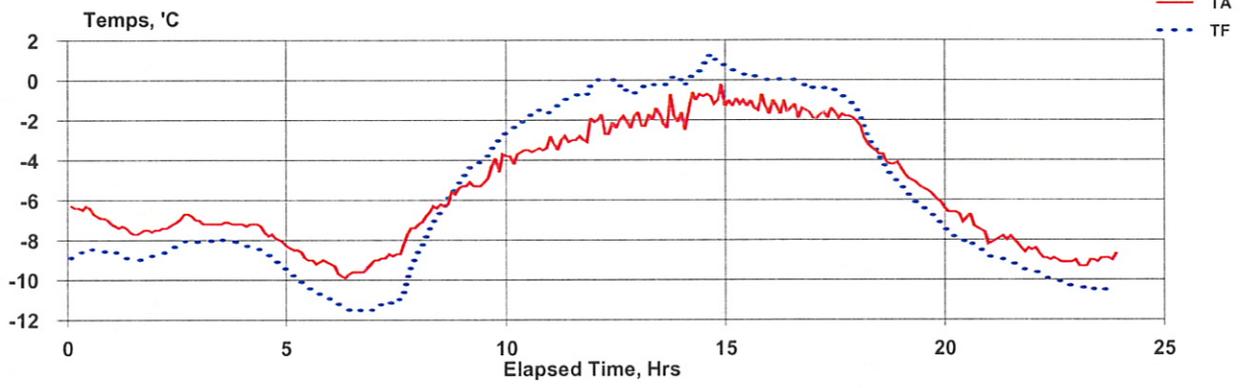
Date	Time
dd-mmm	hh:mm:ss
Start: 17-24-feb	0:00:08
Stop: 17-25-feb	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	40
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.042 m ³
Mass Conc:	0 µg/m ³

QCV 0.55 %
 Max overheat 3.2 °C
 occurred 24-feb 12:15:55

Notes 1:
 Notes 2:



Hourly

17-24-feb	0:05:08	587	-6.7	-8.6	-1.9	39	16.71
17-24-feb	1:05:08	587	-7.5	-8.9	-1.4	40	16.71
17-24-feb	2:05:08	587	-7.1	-8.3	-1.2	41	16.71
17-24-feb	3:05:08	587	-7.2	-8.1	-0.9	41	16.72
17-24-feb	4:05:08	587	-7.6	-8.8	-1.1	41	16.71
17-24-feb	5:05:08	587	-8.9	-10.4	-1.5	41	16.71
17-24-feb	6:05:08	588	-9.5	-11.4	-1.9	41	16.70
17-24-feb	7:05:08	588	-8.3	-10.5	-2.2	41	16.72
17-24-feb	8:05:08	589	-6.2	-6.5	-0.3	43	16.72
17-24-feb	9:05:08	589	-4.7	-3.7	1.0	44	16.71
17-24-feb	10:05:08	589	-3.5	-1.9	1.6	45	16.71
17-24-feb	11:05:08	589	-2.9	-0.9	2.0	45	16.71
17-24-feb	12:05:08	589	-2.1	-0.3	1.8	45	16.71
17-24-feb	13:05:08	589	-1.9	-0.2	1.7	45	16.71
17-24-feb	14:05:08	589	-1.0	0.6	1.6	46	16.70
17-24-feb	15:05:08	589	-1.2	0.2	1.4	46	16.70
17-24-feb	16:05:08	589	-1.5	-0.1	1.4	46	16.71
17-24-feb	17:05:08	590	-1.8	-0.8	1.0	45	16.71
17-24-feb	18:05:08	590	-3.6	-3.8	-0.2	45	16.71
17-24-feb	19:05:08	591	-5.5	-6.5	-1.0	45	16.71
17-24-feb	20:05:08	591	-7.1	-8.2	-1.1	44	16.71
17-24-feb	21:05:08	591	-8.1	-9.2	-1.1	44	16.71
17-24-feb	22:05:08	591	-8.9	-10.0	-1.1	44	16.71
17-24-feb	23:05:08	591	-9.0	-10.5	-1.5	44	16.71

BGI PQ200 Air Sampling System Downloaded 2017 03 mar 12:25:07

Job Details:

Job Name: 17Mar03C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6573:13
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	599	596	598	mmHg
TA	9.1	-6.9	1	°C
Q	---	---	16.71	Lpm

Timer Information:

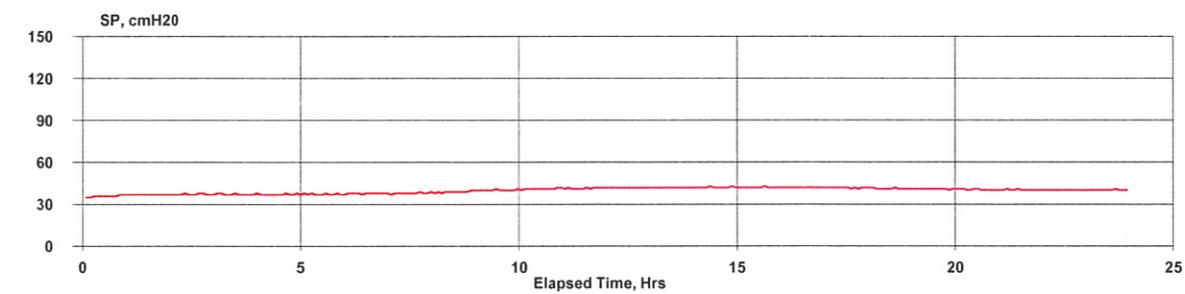
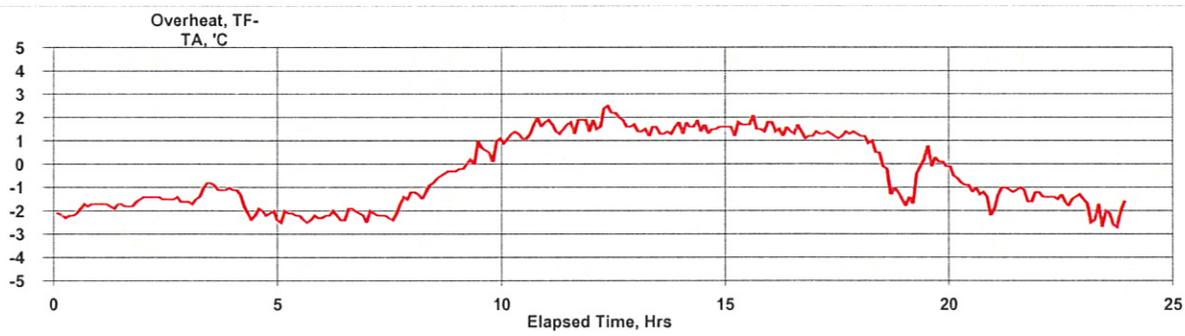
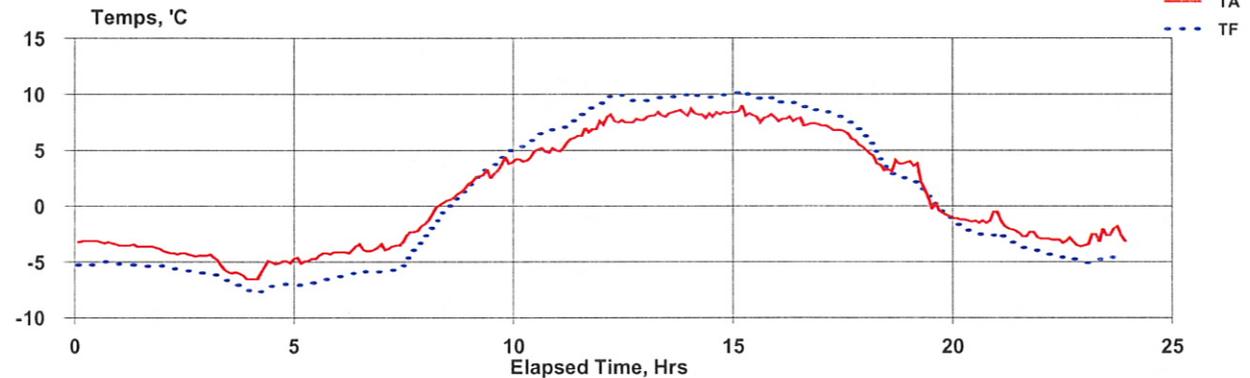
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-02-mar	0:00:08
Stop:	17-03-mar	0:00:05
ET:	24:00:00	

Mass Concentration Data:

Filter ID:	40
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.042 m ³
Mass Conc:	0 µg/m ³

QCV 0.36 %
 Max overheat 2.7 °C
 occurred 02-mar 12:23:07

Notes 1:
 Notes 2:



Hourly

17-02-mar	0:04:51	598	-3.2	-5.2	-2.0	36	16.70
17-02-mar	1:04:51	598	-3.6	-5.3	-1.7	37	16.71
17-02-mar	2:04:51	598	-4.3	-5.8	-1.5	37	16.71
17-02-mar	3:04:51	598	-5.6	-6.8	-1.1	37	16.72
17-02-mar	4:04:51	598	-5.3	-7.3	-2.0	37	16.71
17-02-mar	5:04:51	598	-4.5	-6.8	-2.3	37	16.71
17-02-mar	6:04:51	598	-3.9	-6.0	-2.2	38	16.71
17-02-mar	7:04:51	599	-2.9	-4.8	-1.9	38	16.71
17-02-mar	8:04:51	599	0.5	-0.3	-0.8	39	16.70
17-02-mar	9:04:51	599	3.2	3.6	0.4	40	16.72
17-02-mar	10:04:51	599	4.7	6.1	1.4	41	16.71
17-02-mar	11:04:51	599	6.3	7.9	1.6	42	16.71
17-02-mar	12:04:51	599	7.7	9.6	1.9	42	16.71
17-02-mar	13:04:51	598	8.2	9.7	1.5	42	16.71
17-02-mar	14:04:51	598	8.3	9.8	1.6	42	16.72
17-02-mar	15:04:51	598	8.2	9.8	1.6	42	16.70
17-02-mar	16:04:51	597	7.6	9.0	1.4	42	16.71
17-02-mar	17:04:51	597	6.5	7.8	1.3	42	16.72
17-02-mar	18:04:51	598	3.9	3.9	0.0	41	16.74
17-02-mar	19:04:51	598	1.1	0.8	-0.3	41	16.70
17-02-mar	20:04:51	598	-1.2	-2.2	-1.0	40	16.71
17-02-mar	21:04:51	598	-2.1	-3.4	-1.3	40	16.74
17-02-mar	22:04:51	598	-3.1	-4.5	-1.4	40	16.70
17-02-mar	23:04:51	598	-2.7	-4.8	-2.1	40	16.72

BGI PQ200 Air Sampling System Downloaded 2017 10 mar 11:23:16

Job Details:

Job Name: 17Mar10C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6597:12
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	597	594	595	mmHg
TA	17	-4.1	5.6	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-08-mar	0:00:08
Stop:	17-09-mar	0:00:04
ET:	23:59	

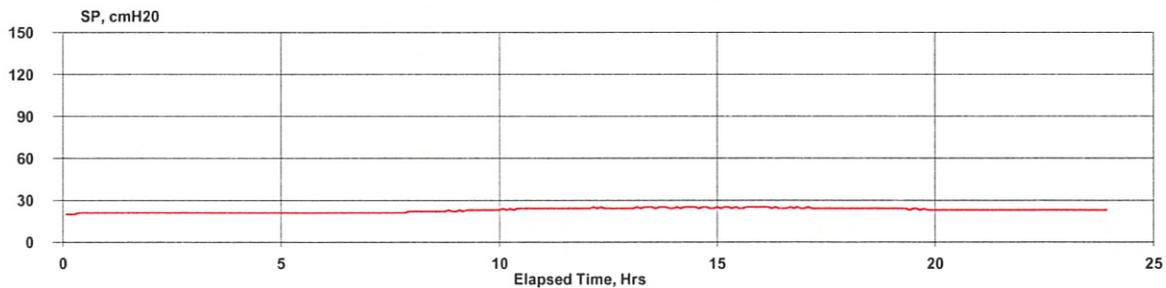
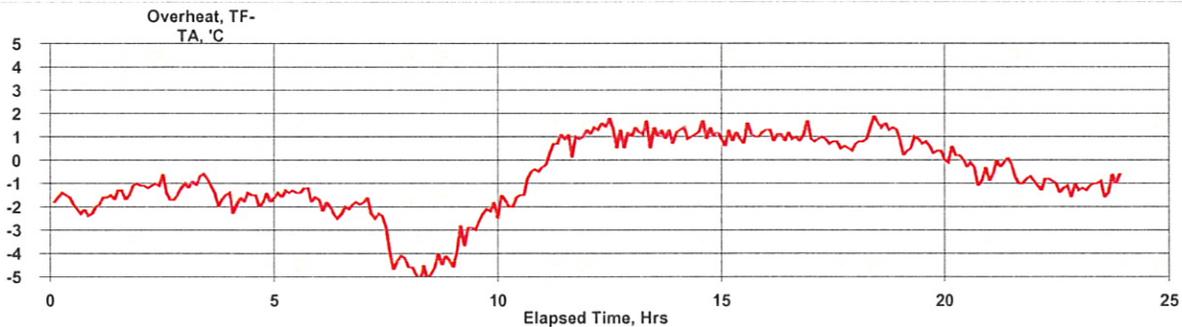
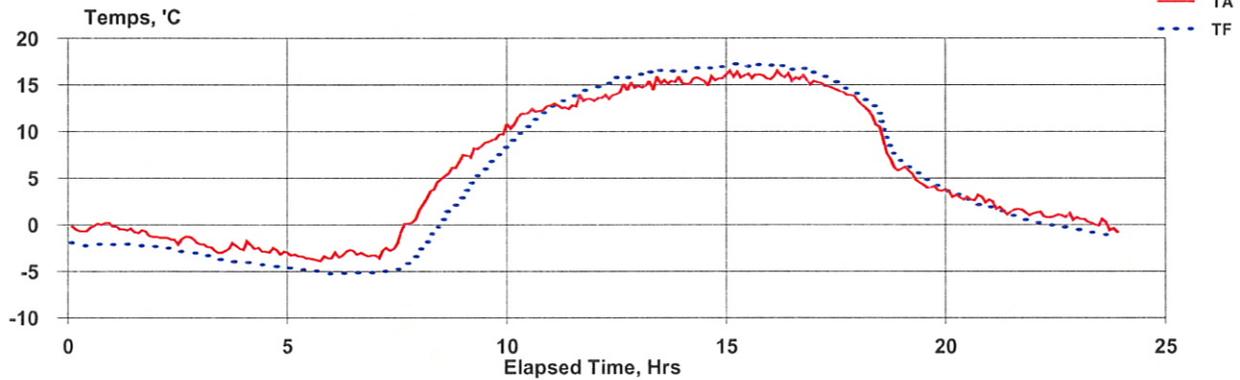
Mass Concentration Data:

Filter ID:	4
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.042 m ³
Mass Conc:	0 µg/m ³

QCV 0.56 %
 Max overheat 2.8 °C
 occurred 09-mar 18:40:20

Notes 1:

Notes 2:



Hourly

17-08-mar	0:05:08	596	-0.2	-2.2	-1.9	21	16.70
17-08-mar	1:05:08	596	-0.8	-2.2	-1.4	21	16.71
17-08-mar	2:05:08	596	-1.6	-2.8	-1.2	21	16.72
17-08-mar	3:05:08	596	-2.6	-3.8	-1.2	21	16.71
17-08-mar	4:05:08	596	-2.7	-4.4	-1.7	21	16.71
17-08-mar	5:05:08	596	-3.5	-5.0	-1.4	21	16.71
17-08-mar	6:05:08	596	-3.1	-5.2	-2.1	21	16.71
17-08-mar	7:05:08	596	-1.2	-4.5	-3.3	21	16.71
17-08-mar	8:05:08	596	4.9	0.3	-4.6	22	16.70
17-08-mar	9:05:08	596	8.8	6.1	-2.7	23	16.71
17-08-mar	10:05:08	596	11.9	10.7	-1.2	24	16.71
17-08-mar	11:05:08	596	13.0	13.8	0.7	24	16.71
17-08-mar	12:05:08	596	14.3	15.5	1.2	24	16.71
17-08-mar	13:05:08	596	15.2	16.4	1.1	25	16.71
17-08-mar	14:05:08	595	15.5	16.7	1.2	25	16.72
17-08-mar	15:05:08	595	16.0	17.1	1.1	25	16.71
17-08-mar	16:05:08	595	15.8	16.8	1.1	24	16.72
17-08-mar	17:05:08	595	14.4	15.1	0.7	24	16.71
17-08-mar	18:05:08	595	9.3	10.6	1.3	24	16.71
17-08-mar	19:05:08	595	4.5	5.0	0.5	24	16.70
17-08-mar	20:05:08	596	2.9	2.7	-0.3	23	16.71
17-08-mar	21:05:08	596	1.5	1.0	-0.5	23	16.72
17-08-mar	22:05:08	596	1.0	-0.2	-1.1	23	16.71
17-08-mar	23:05:08	596	0.1	-1.0	-1.1	23	16.71

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 09:48:01

Job Details:

Job Name: 17Mar16C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6621:11
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	598	594	596	mmHg
TA	21.6	0	9.9	°C
Q	---	---	16.71	Lpm

Timer Information:

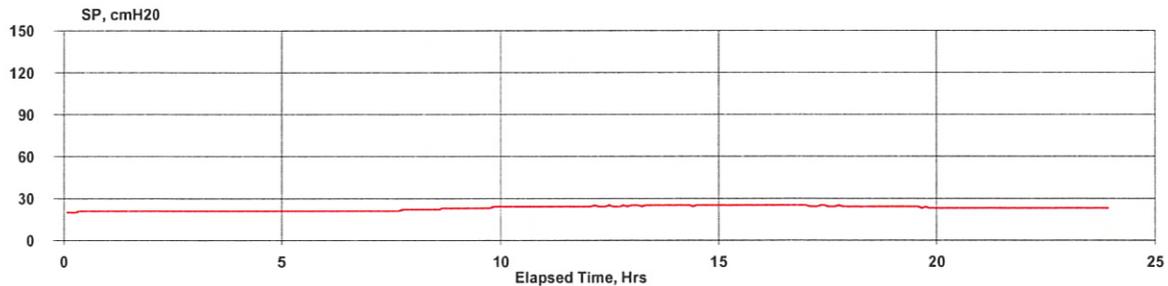
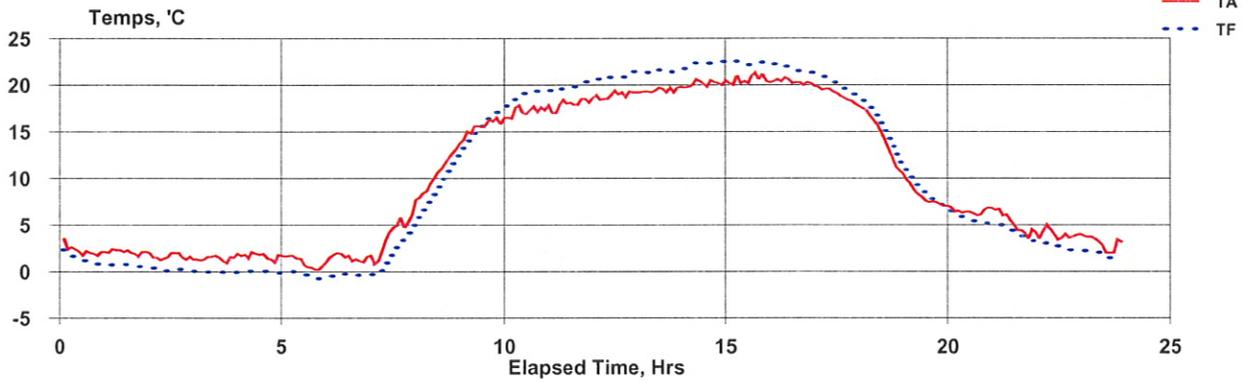
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-14-mar	0:00:08
Stop:	17-15-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	7
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.042 m ³
Mass Conc:	0 µg/m ³

QCV 0.57 %
 Max overheat 2.9 °C
 occurred 14-mar 15:09:10

Notes 1:
 Notes 2:



Hourly

17-14-mar	0:05:08	596	2.2	1.3	-1.0	21	16.71
17-14-mar	1:05:08	596	2.1	0.6	-1.5	21	16.72
17-14-mar	2:05:08	596	1.6	0.1	-1.4	21	16.71
17-14-mar	3:05:08	596	1.4	-0.1	-1.5	21	16.72
17-14-mar	4:05:08	596	1.7	0.0	-1.7	21	16.71
17-14-mar	5:05:08	596	1.0	-0.4	-1.3	21	16.72
17-14-mar	6:05:08	597	1.5	-0.4	-1.9	21	16.71
17-14-mar	7:05:08	597	4.2	2.1	-2.1	21	16.72
17-14-mar	8:05:08	597	10.8	9.1	-1.6	22	16.71
17-14-mar	9:05:08	597	15.6	15.6	-0.1	23	16.69
17-14-mar	10:05:08	597	17.3	19.0	1.7	24	16.71
17-14-mar	11:05:08	597	18.0	19.8	1.8	24	16.71
17-14-mar	12:05:08	597	18.9	20.9	1.9	24	16.71
17-14-mar	13:05:08	596	19.4	21.4	2.0	25	16.71
17-14-mar	14:05:08	596	20.2	22.2	2.1	25	16.71
17-14-mar	15:05:08	596	20.6	22.4	1.8	25	16.71
17-14-mar	16:05:08	596	20.3	21.7	1.4	25	16.71
17-14-mar	17:05:08	596	18.9	20.0	1.1	24	16.71
17-14-mar	18:05:08	596	14.2	15.3	1.1	24	16.71
17-14-mar	19:05:08	596	7.9	8.5	0.5	24	16.72
17-14-mar	20:05:08	596	6.5	5.6	-0.9	23	16.71
17-14-mar	21:05:08	597	5.1	4.1	-1.0	23	16.71
17-14-mar	22:05:08	597	4.0	2.6	-1.3	23	16.71
17-14-mar	23:05:08	597	3.0	1.8	-1.3	23	16.71

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 09:48:01

Job Details:

Job Name: 17Mar16C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6621:11
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	598	594	596	mmHg
TA	21.6	0	9.9	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-14-mar	0:00:08
Stop:	17-15-mar	0:00:05
ET:	23:59	

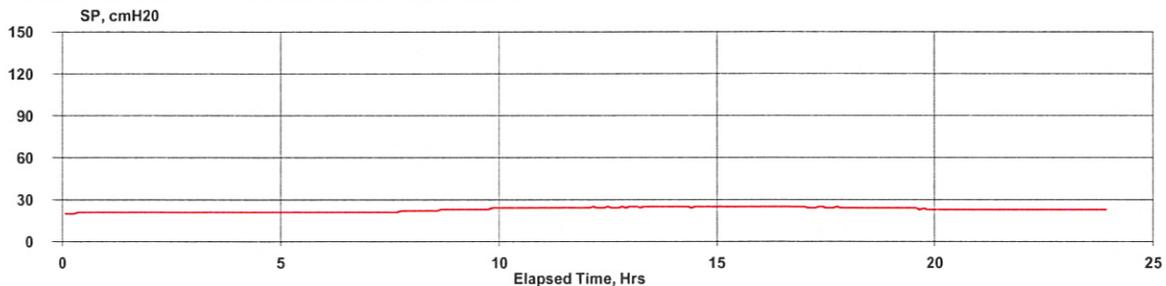
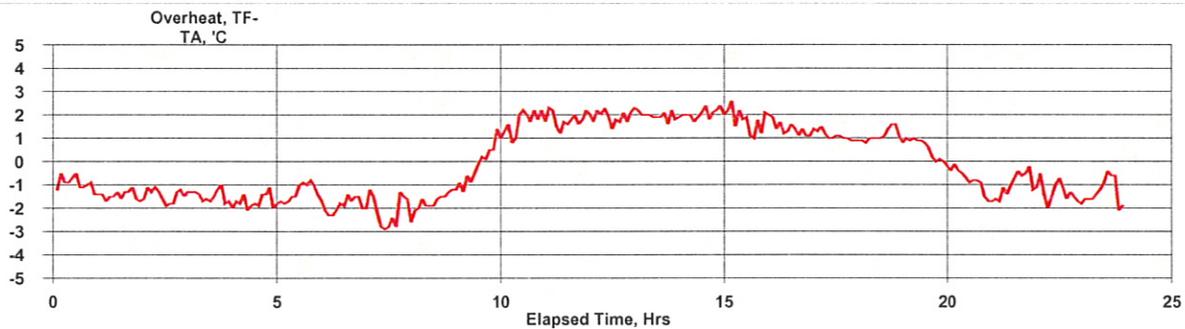
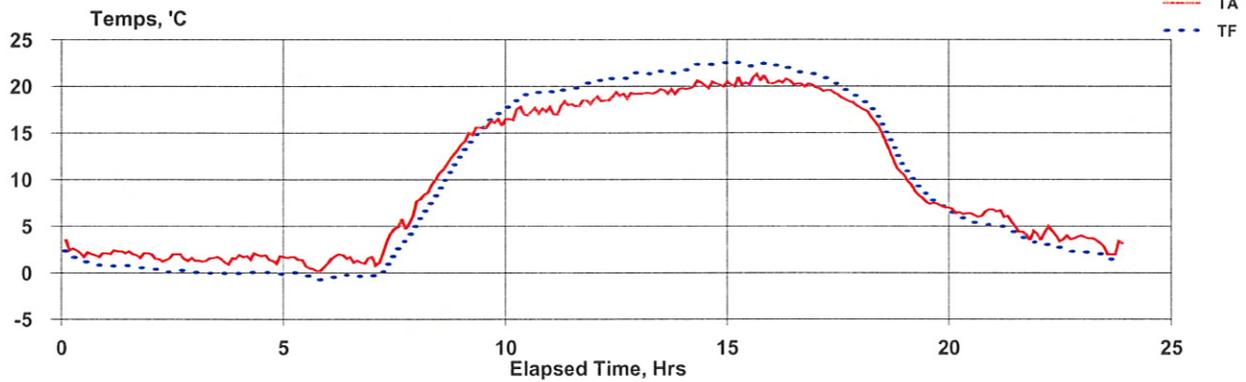
Mass Concentration Data:

Filter ID:	7
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.042 m ³
Mass Conc:	0 µg/m ³

QCV 0.57 %
 Max overheat 2.9 °C
 occurred 14-mar 15:09:10

Notes 1:

Notes 2:



Hourly

17-14-mar	0:05:08	596	2.2	1.3	-1.0	21	16.71
17-14-mar	1:05:08	596	2.1	0.6	-1.5	21	16.72
17-14-mar	2:05:08	596	1.6	0.1	-1.4	21	16.71
17-14-mar	3:05:08	596	1.4	-0.1	-1.5	21	16.72
17-14-mar	4:05:08	596	1.7	0.0	-1.7	21	16.71
17-14-mar	5:05:08	596	1.0	-0.4	-1.3	21	16.72
17-14-mar	6:05:08	597	1.5	-0.4	-1.9	21	16.71
17-14-mar	7:05:08	597	4.2	2.1	-2.1	21	16.72
17-14-mar	8:05:08	597	10.8	9.1	-1.6	22	16.71
17-14-mar	9:05:08	597	15.6	15.6	-0.1	23	16.69
17-14-mar	10:05:08	597	17.3	19.0	1.7	24	16.71
17-14-mar	11:05:08	597	18.0	19.8	1.8	24	16.71
17-14-mar	12:05:08	597	18.9	20.9	1.9	24	16.71
17-14-mar	13:05:08	596	19.4	21.4	2.0	25	16.71
17-14-mar	14:05:08	596	20.2	22.2	2.1	25	16.71
17-14-mar	15:05:08	596	20.6	22.4	1.8	25	16.71
17-14-mar	16:05:08	596	20.3	21.7	1.4	25	16.71
17-14-mar	17:05:08	596	18.9	20.0	1.1	24	16.71
17-14-mar	18:05:08	596	14.2	15.3	1.1	24	16.71
17-14-mar	19:05:08	596	7.9	8.5	0.5	24	16.72
17-14-mar	20:05:08	596	6.5	5.6	-0.9	23	16.71
17-14-mar	21:05:08	597	5.1	4.1	-1.0	23	16.71
17-14-mar	22:05:08	597	4.0	2.6	-1.3	23	16.71
17-14-mar	23:05:08	597	3.0	1.8	-1.3	23	16.71

BGI PQ200 Air Sampling System Downloaded 2017 24 mar 08:36:26

Job Details:

Job Name: 17Mar24C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6645:10
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	596	592	594	mmHg
TA	19.7	3.8	11.1	°C
Q	---	---	16.71	Lpm

Timer Information:

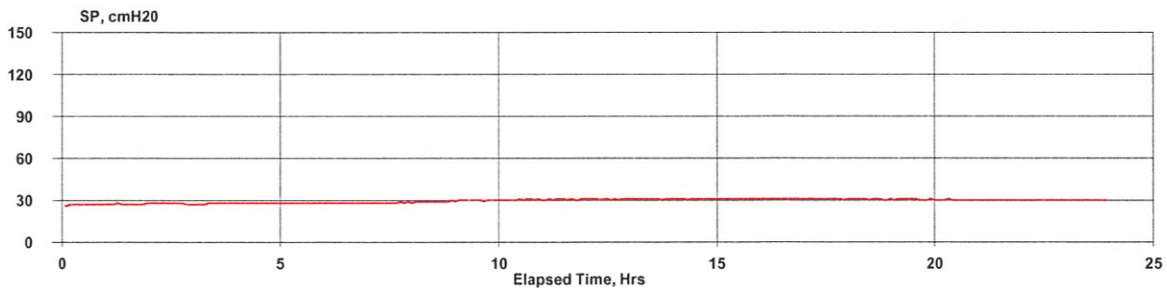
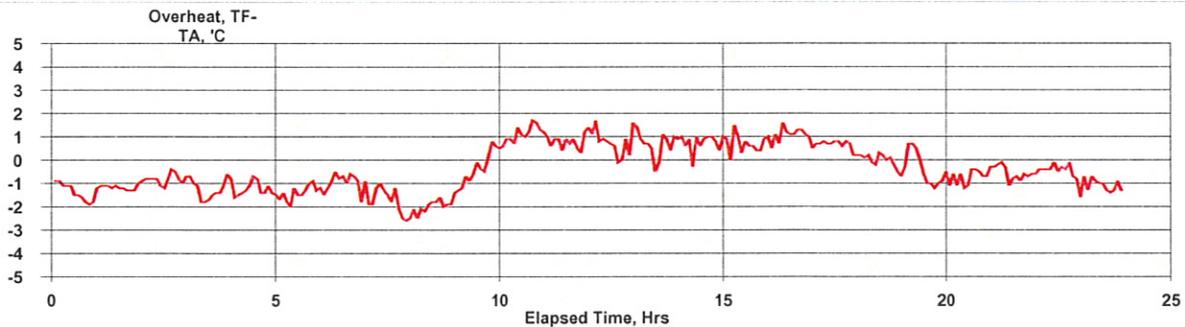
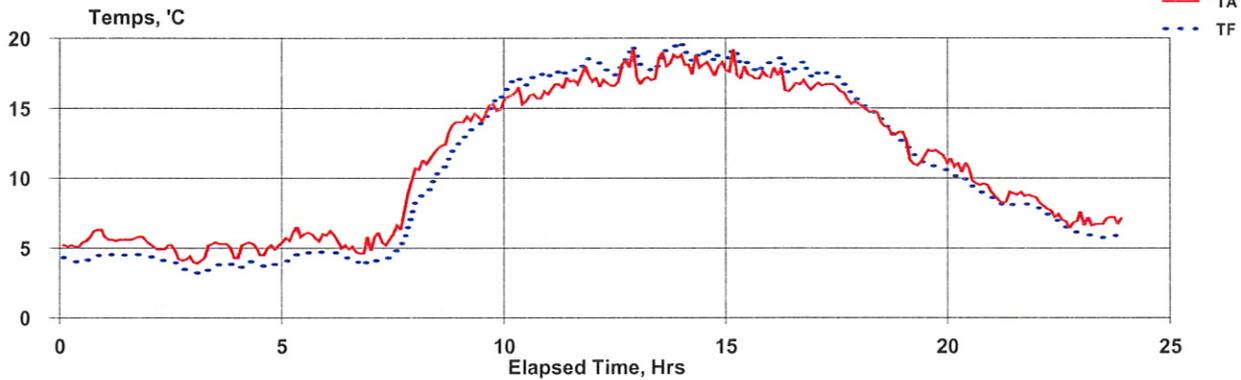
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-20-mar	0:00:08
Stop:	17-21-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	12
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.042 m ³
Mass Conc:	0 µg/m ³

QCV: 0.57 %
 Max overheat: 3.2 °C
 occurred 23-mar 12:49:56

Notes 1:
 Notes 2:



Hourly

17-20-mar	0:05:08	596	5.6	4.2	-1.4	27	16.71
17-20-mar	1:05:08	596	5.6	4.5	-1.2	27	16.71
17-20-mar	2:05:08	595	4.7	3.9	-0.8	28	16.72
17-20-mar	3:05:08	595	4.8	3.6	-1.2	28	16.71
17-20-mar	4:05:08	595	5.1	3.8	-1.3	28	16.71
17-20-mar	5:05:08	595	5.9	4.5	-1.4	28	16.71
17-20-mar	6:05:08	595	5.2	4.2	-1.0	28	16.71
17-20-mar	7:05:08	595	7.0	5.2	-1.8	28	16.71
17-20-mar	8:05:08	595	12.3	10.4	-1.9	29	16.71
17-20-mar	9:05:08	595	14.7	14.4	-0.3	30	16.71
17-20-mar	10:05:08	595	15.9	17.0	1.1	30	16.70
17-20-mar	11:05:08	595	17.0	17.8	0.8	31	16.72
17-20-mar	12:05:08	595	17.4	18.1	0.8	31	16.71
17-20-mar	13:05:08	594	17.9	18.6	0.7	31	16.71
17-20-mar	14:05:08	594	18.0	18.7	0.7	31	16.70
17-20-mar	15:05:08	593	17.5	18.2	0.7	31	16.71
17-20-mar	16:05:08	593	16.8	17.9	1.0	31	16.71
17-20-mar	17:05:08	593	16.2	16.8	0.6	31	16.71
17-20-mar	18:05:08	593	14.0	14.0	-0.1	31	16.71
17-20-mar	19:05:08	593	11.6	11.2	-0.4	31	16.71
17-20-mar	20:05:08	593	10.2	9.5	-0.7	30	16.71
17-20-mar	21:05:08	594	8.7	8.1	-0.6	30	16.71
17-20-mar	22:05:08	594	7.3	6.8	-0.5	30	16.72
17-20-mar	23:05:08	593	6.9	5.8	-1.1	30	16.71

BGI PQ200 Air Sampling System Downloaded 2017 27 mar 09:49:44

Job Details:

Job Name: 17Mar27C.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6669:09
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1:
 User2:

	Max	Min	Avg	Units
BP	591	588	590	mmHg
TA	11.9	-2.6	4.1	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-26-mar	0:00:08
Stop:	17-27-mar	0:00:05
ET:	23:59	

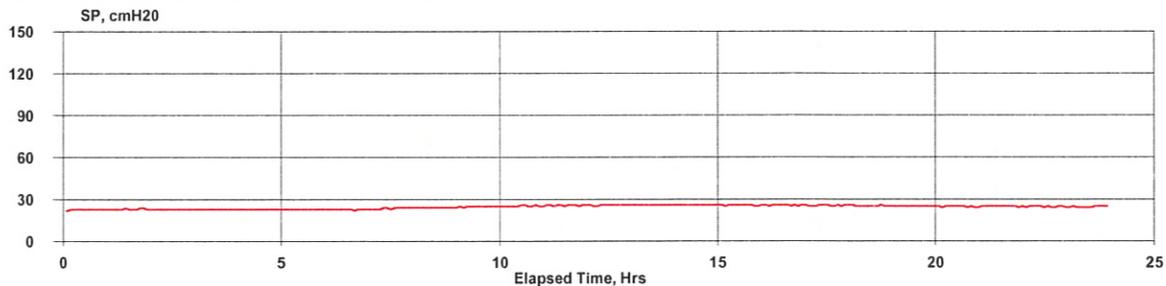
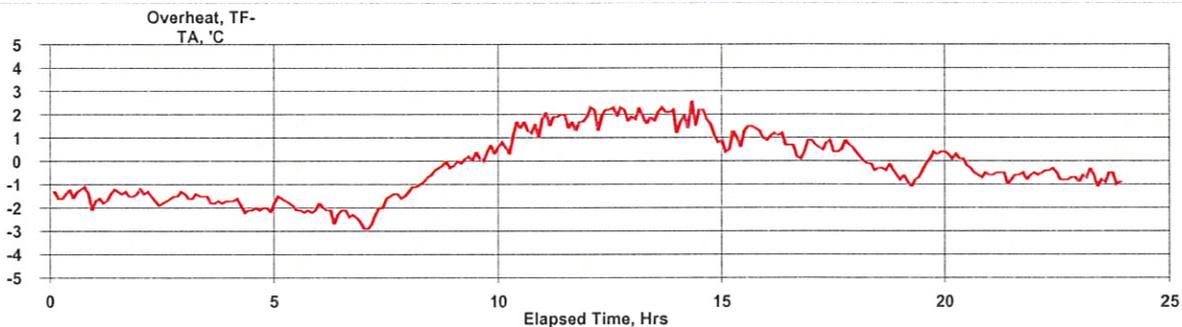
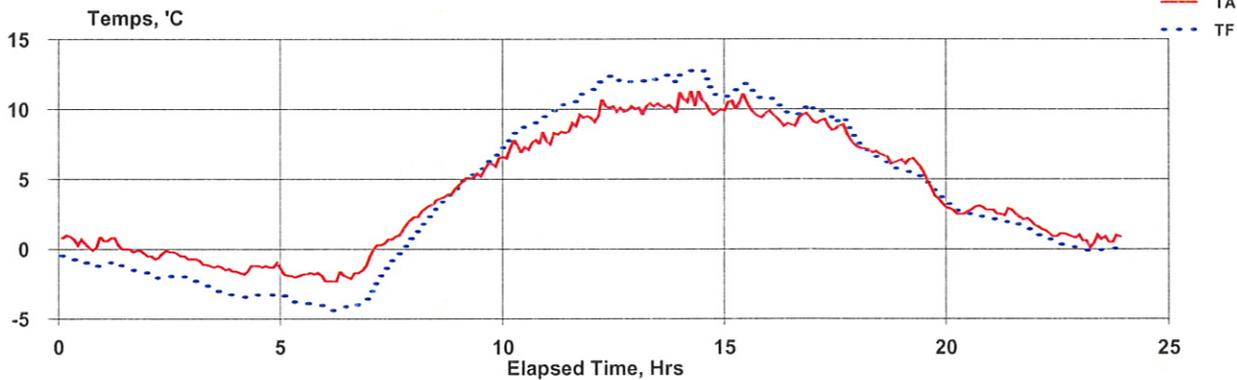
Mass Concentration Data:

Filter ID:	21
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.043 m ³
Mass Conc:	0 µg/m ³

QCV 0.58 %
 Max overheat 3 °C
 occurred 26-mar 12:31:35

Notes 1:

Notes 2:



Hourly

17-26-mar	0:05:08	590	0.5	-0.9	-1.5	23	16.72
17-26-mar	1:05:08	590	0.1	-1.3	-1.4	23	16.71
17-26-mar	2:05:08	589	-0.4	-2.0	-1.6	23	16.72
17-26-mar	3:05:08	590	-1.2	-2.9	-1.6	23	16.71
17-26-mar	4:05:08	590	-1.4	-3.3	-2.0	23	16.73
17-26-mar	5:05:08	590	-1.9	-3.8	-1.9	23	16.71
17-26-mar	6:05:08	590	-1.8	-4.1	-2.3	23	16.70
17-26-mar	7:05:08	590	1.0	-0.9	-1.9	24	16.71
17-26-mar	8:05:08	591	3.5	2.9	-0.6	24	16.71
17-26-mar	9:05:08	590	5.6	5.9	0.2	25	16.71
17-26-mar	10:05:08	591	7.4	8.6	1.2	25	16.70
17-26-mar	11:05:08	591	8.7	10.5	1.8	26	16.71
17-26-mar	12:05:08	591	10.0	12.0	2.0	26	16.71
17-26-mar	13:05:08	590	10.2	12.1	1.9	26	16.71
17-26-mar	14:05:08	590	10.4	12.0	1.7	26	16.71
17-26-mar	15:05:08	590	10.1	11.2	1.1	26	16.70
17-26-mar	16:05:08	590	9.2	10.0	0.8	26	16.71
17-26-mar	17:05:08	590	8.5	9.1	0.6	26	16.71
17-26-mar	18:05:08	590	6.7	6.4	-0.3	25	16.71
17-26-mar	19:05:08	590	5.0	4.7	-0.3	25	16.71
17-26-mar	20:05:08	591	2.8	2.6	-0.2	25	16.71
17-26-mar	21:05:08	591	2.4	1.8	-0.6	25	16.71
17-26-mar	22:05:08	590	1.1	0.5	-0.6	25	16.71
17-26-mar	23:05:08	590	0.7	-0.1	-0.7	24	16.72

Compliance Monitor 2366D

PM₁₀ Sampler Summary

January 1, 2017 - March 31, 2017

Network: Alton Coal Development

Site: Coal Hollow

Sampler ID: Coal Hollow-D

AQS ID:

Sampler Type: BGI FRM Single

Date	Filter ID	Concentration	Concentration	Sample Period (hr:min)	Sample Volume (m3)	Std Volume (m3)	Tare (mg)	Mass	Net (mg)	Flag	Comments	
		(µg/m3) LTP	(µg/m3) STP					Gross (mg)				
01/01/17	P2935447	2.4	2.9	23:59	24.0	20.1	359.779	359.838	0.059			
01/07/17	P2935452	1.1	1.2	23:59	24.0	20.9	376.421	376.448	0.027			
01/13/17	P2935457	1.9	2.3	23:59	24.0	20.4	388.028	388.076	0.048	PI		
01/19/17	P2936215	9.6	11.3	23:59	24.0	20.3	385.932	386.163	0.231	PI		
01/25/17		Invalid - AF	Invalid - AF									
01/31/17	P2936218	Invalid - AG	Invalid - AG	0:05	0.1	0.1	388.347	388.360	0.013	SP		
02/06/17	P2936451	5.2	6.2	23:59	24.0	20.2	385.426	385.552	0.126	HT		
02/12/17	P2936795	2.4	2.9	23:59	24.0	20.4	388.920	388.980	0.060	HT		
02/18/17	P2936802	5.4	6.6	23:59	24.0	19.9	385.514	385.646	0.132	HT		
02/24/17	P2937195	3.2	3.8	23:59	24.0	20.7	385.607	385.686	0.079	HT		
03/02/17	P2937198	15.5	18.2	24:00	24.0	20.5	385.383	385.758	0.375	HT		
03/08/17	P2937202	Invalid - AI	Invalid - AI				377.650	377.977	0.327	SP,MD	No data	
03/14/17	P2937635	4.5	5.5	23:59	24.0	19.7	385.208	385.318	0.110			
03/20/17	P2937640	22.5	27.5	23:59	24.0	19.7	381.774	382.316	0.542			
03/26/17	P2938099	1.5	1.8	23:59	24.0	20.0	379.760	379.798	0.038			
02/08/17	P2936798	Field Blank						387.410	387.419	0.009		
	# Valid	Recovery	Average	St. Dev.	Max	Min						
	12	80%	7.5	7.9	27.5	1.2						

BGI PQ200 Air Sampling System Downloaded 2017 03 jan 14:01:34

Job Details:

Job Name: 17Jan03D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1453:16
 Flags:

Job Code:

Site Name: 2366D
 Station Code:
 Operators: KN
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	585	581	582	mmHg
TA	3.5	-2.9	-0.4	°C
Q	---	---	16.71	Lpm

Timer Information:

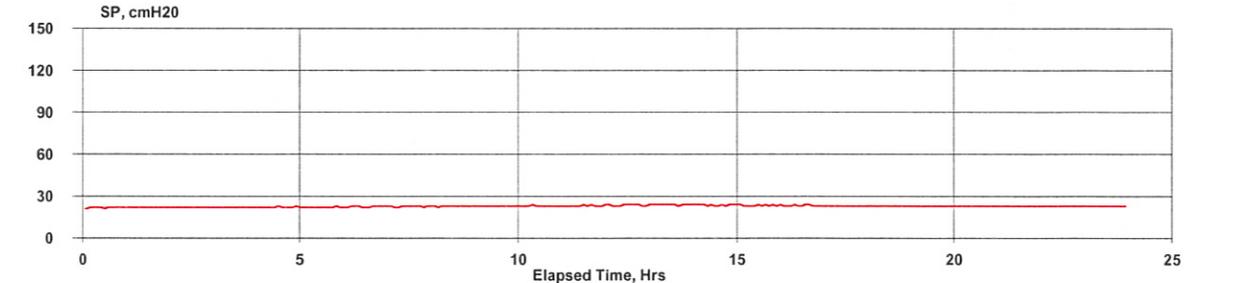
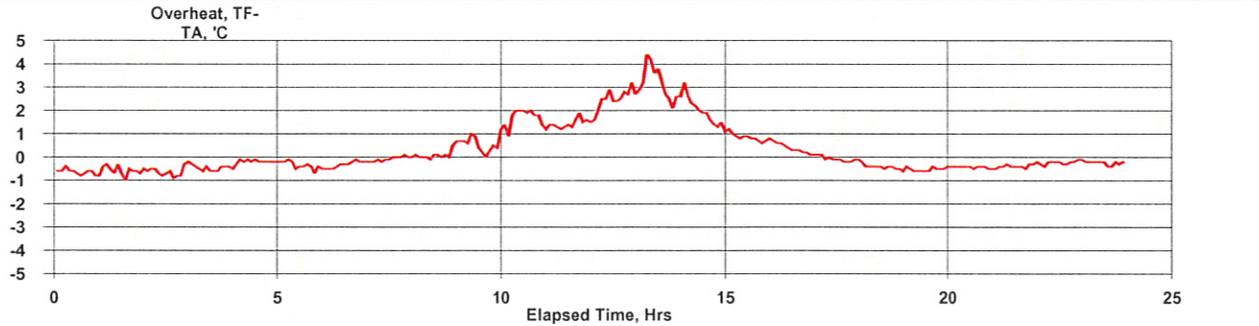
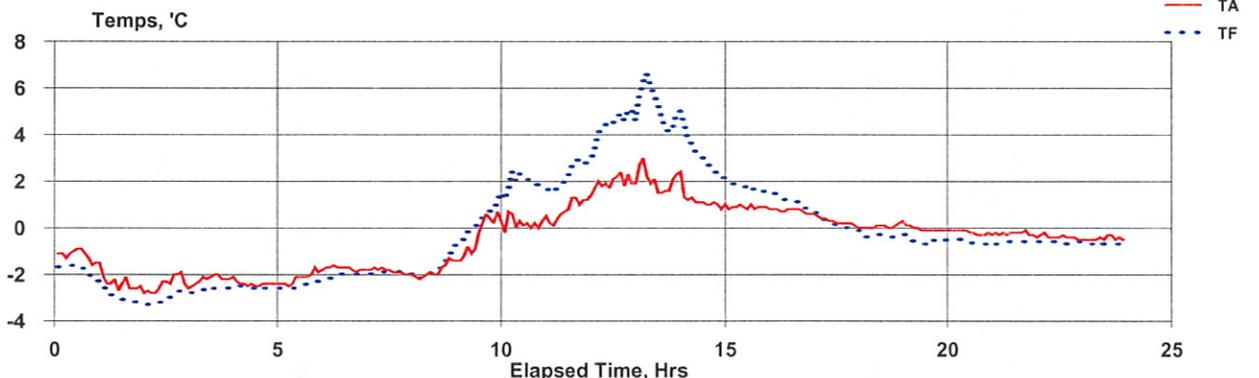
	Date	Time
	dd-mmm	hh:mm:ss
Start:	16-01-jan	0:00:08
Stop:	17-02-jan	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	12
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.039 m ³
Mass Conc:	0 µg/m ³

QCV 0.53 %
 Max overheat 4.6 °C
 occurred 01-jan 13:14:28

Notes 1:
 Notes 2:



Hourly

17-01-jan	0:05:08	584	-1.2	-1.9	-0.7	22	16.71
17-01-jan	1:05:08	584	-2.5	-3.0	-0.6	22	16.72
17-01-jan	2:05:08	584	-2.4	-3.0	-0.6	22	16.72
17-01-jan	3:05:08	583	-2.2	-2.7	-0.5	22	16.71
17-01-jan	4:05:08	583	-2.4	-2.6	-0.2	22	16.72
17-01-jan	5:05:08	583	-2.1	-2.5	-0.4	22	16.71
17-01-jan	6:05:08	583	-1.7	-2.1	-0.3	23	16.72
17-01-jan	7:05:08	583	-1.9	-1.9	-0.1	23	16.71
17-01-jan	8:05:08	583	-1.8	-1.7	0.1	23	16.71
17-01-jan	9:05:08	583	-0.3	0.3	0.6	23	16.71
17-01-jan	10:05:08	583	0.2	1.9	1.7	23	16.71
17-01-jan	11:05:08	583	0.8	2.3	1.5	23	16.71
17-01-jan	12:05:08	582	2.0	4.5	2.5	24	16.73
17-01-jan	13:05:08	582	2.1	5.2	3.2	24	16.71
17-01-jan	14:05:08	582	1.1	3.0	1.9	24	16.72
17-01-jan	15:05:08	582	0.9	1.7	0.8	23	16.71
17-01-jan	16:05:08	582	0.7	1.1	0.4	23	16.71
17-01-jan	17:05:08	582	0.3	0.2	-0.1	23	16.71
17-01-jan	18:05:08	582	0.1	-0.4	-0.4	23	16.71
17-01-jan	19:05:08	582	-0.1	-0.6	-0.5	23	16.71
17-01-jan	20:05:08	582	-0.2	-0.6	-0.4	23	16.71
17-01-jan	21:05:08	582	-0.2	-0.6	-0.4	23	16.71
17-01-jan	22:05:08	582	-0.4	-0.6	-0.2	23	16.71
17-01-jan	23:05:08	582	-0.4	-0.7	-0.2	23	16.72

BGI PQ200 Air Sampling System Downloaded 2017 10 jan 14:40:45

Job Details:

Job Name: 17Jan10D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1477:15
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	596	592	593	mmHg
TA	-0.3	-15	-5.8	°C
Q	---	---	16.71	Lpm

Timer Information:

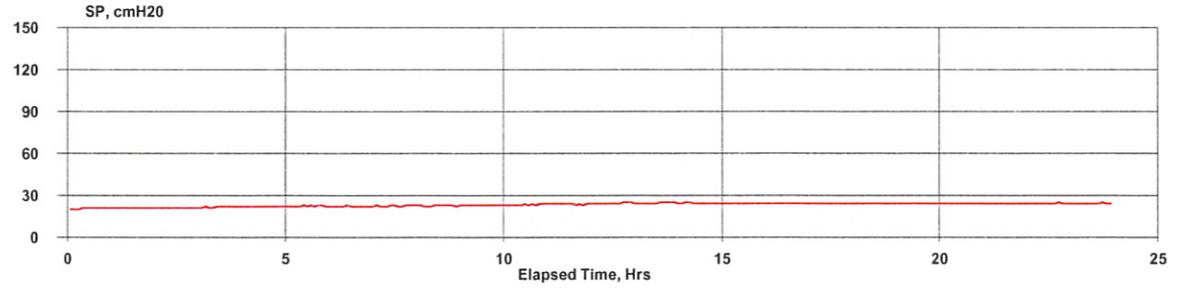
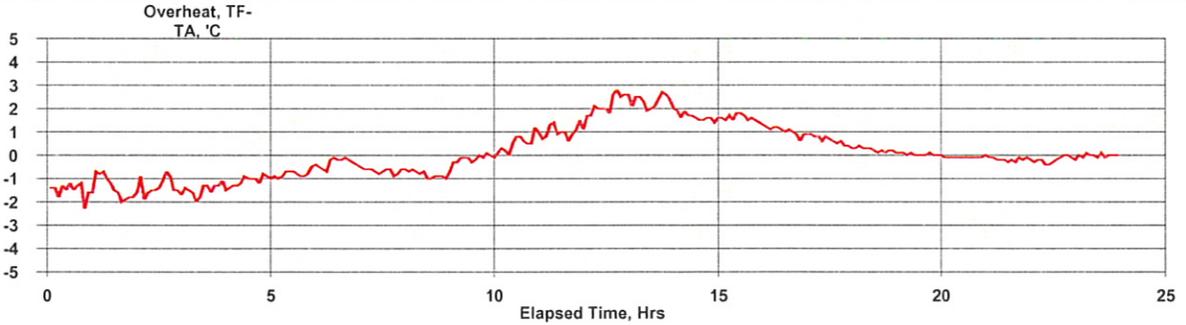
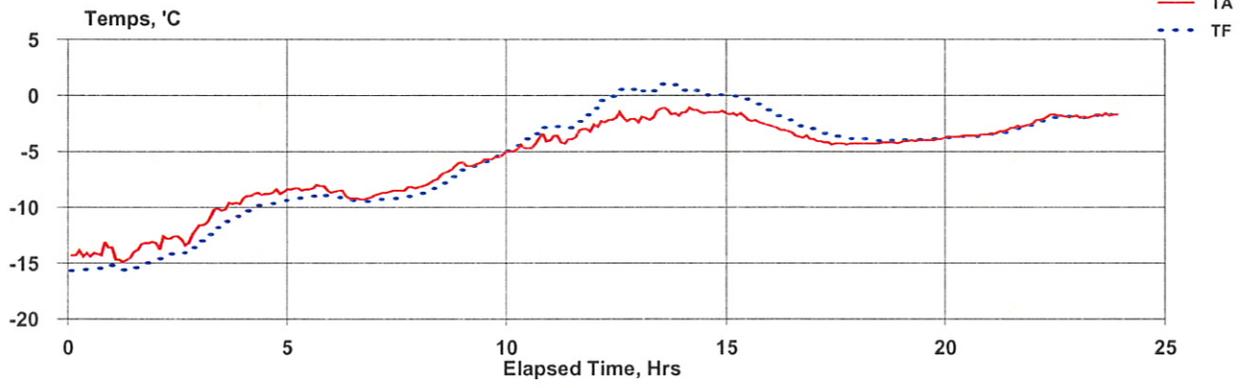
Date	Time
dd-mmm	hh:mm:ss
Start: 17-07-jan	0:00:08
Stop: 17-08-jan	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	21
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV 0.56 %
 Max overheat 3.1 °C
 occurred 07-jan 12:45:23

Notes 1:
 Notes 2:



Hourly

17-07-jan	0:05:08	593	-14.0	-15.5	-1.5	21	16.72
17-07-jan	1:05:08	593	-13.9	-15.3	-1.4	21	16.71
17-07-jan	2:05:08	593	-12.7	-14.1	-1.4	21	16.71
17-07-jan	3:05:08	593	-10.2	-11.7	-1.5	22	16.72
17-07-jan	4:05:08	593	-8.7	-9.8	-1.1	22	16.71
17-07-jan	5:05:08	593	-8.3	-9.1	-0.8	22	16.70
17-07-jan	6:05:08	593	-9.0	-9.3	-0.3	22	16.71
17-07-jan	7:05:08	594	-8.5	-9.2	-0.7	23	16.71
17-07-jan	8:05:08	594	-7.1	-7.9	-0.8	23	16.72
17-07-jan	9:05:08	594	-5.8	-5.9	-0.1	23	16.71
17-07-jan	10:05:08	595	-4.4	-3.9	0.5	23	16.71
17-07-jan	11:05:08	594	-3.5	-2.5	1.0	24	16.72
17-07-jan	12:05:08	594	-2.2	0.0	2.2	24	16.71
17-07-jan	13:05:08	593	-1.6	0.7	2.3	24	16.72
17-07-jan	14:05:08	593	-1.4	0.2	1.6	24	16.71
17-07-jan	15:05:08	593	-2.1	-0.6	1.6	24	16.72
17-07-jan	16:05:08	594	-3.4	-2.4	1.0	24	16.71
17-07-jan	17:05:08	594	-4.3	-3.7	0.6	24	16.71
17-07-jan	18:05:08	594	-4.3	-4.0	0.2	24	16.71
17-07-jan	19:05:08	595	-4.0	-4.0	0.0	24	16.72
17-07-jan	20:05:08	594	-3.6	-3.7	-0.1	24	16.71
17-07-jan	21:05:08	595	-3.0	-3.1	-0.2	24	16.71
17-07-jan	22:05:08	595	-1.9	-2.1	-0.2	24	16.71
17-07-jan	23:05:08	595	-1.8	-1.8	0.0	24	16.71

BGI PQ200 Air Sampling System Downloaded 2017 17 jan 15:13:03

Job Details:

Job Name: 17Jan17D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1501:14
 Flags: P

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	594	587	590	mmHg
TA	9	-5.7	0.1	°C
Q	---	---	16.71	Lpm

Timer Information:

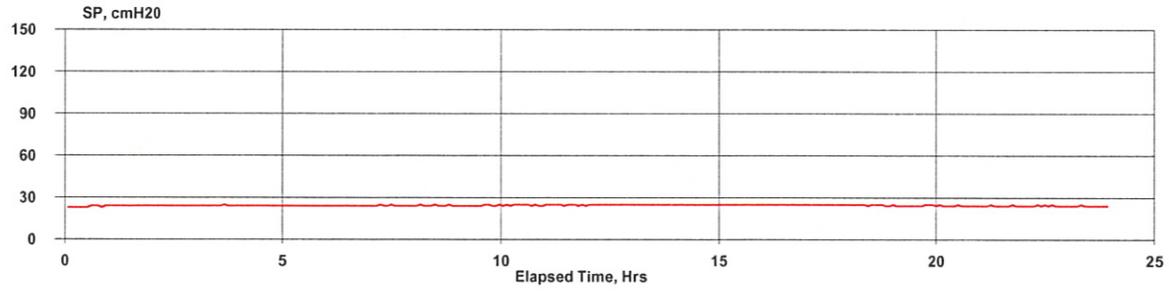
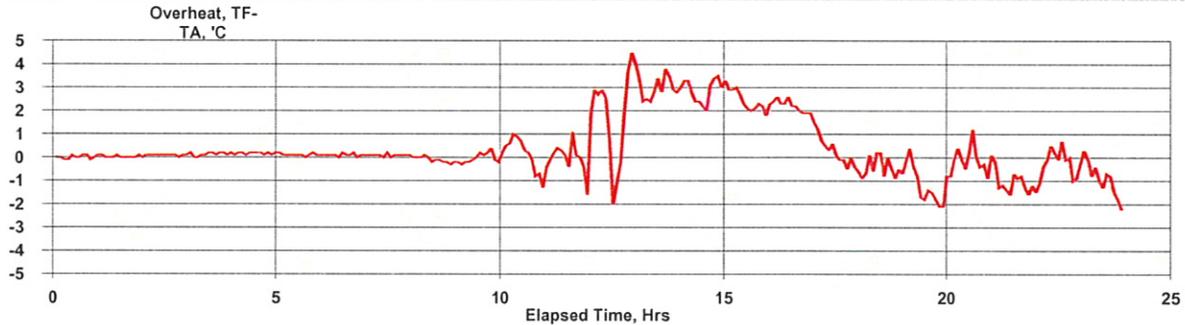
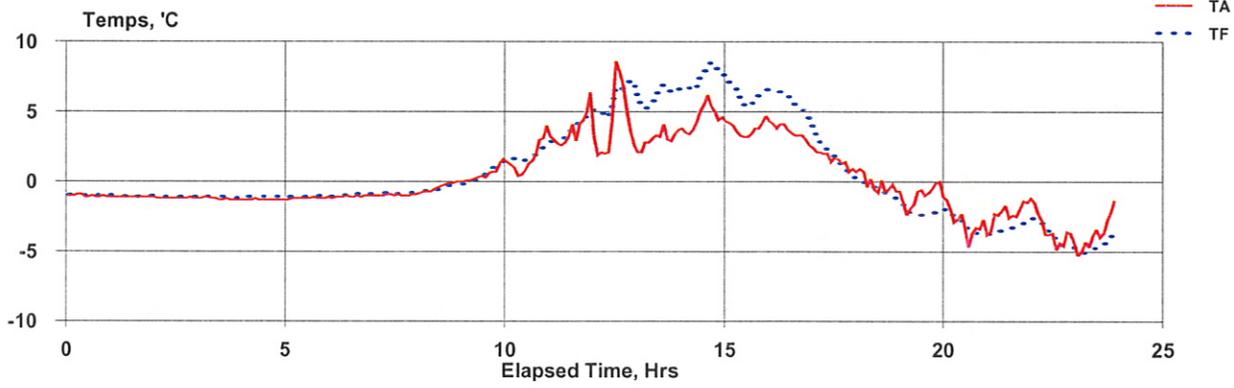
Date	Time
dd-mmm	hh:mm:ss
Start: 17-13-jan	0:00:08
Stop: 17-14-jan	0:00:04
ET: 23:59	

Mass Concentration Data:

Filter ID:	26
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV 0.62 %
 Max overheat 4.6 °C
 occurred 13-jan 12:55:06

Notes 1:
 Notes 2:



Hourly

17-13-jan	0:05:08	588	-1.0	-1.0	0.0	23	16.70
17-13-jan	1:05:08	588	-1.1	-1.1	0.0	24	16.70
17-13-jan	2:05:08	589	-1.2	-1.1	0.1	24	16.71
17-13-jan	3:05:08	589	-1.2	-1.1	0.1	24	16.70
17-13-jan	4:05:08	589	-1.3	-1.1	0.2	24	16.70
17-13-jan	5:05:08	589	-1.2	-1.1	0.1	24	16.71
17-13-jan	6:05:08	589	-1.1	-1.0	0.1	24	16.72
17-13-jan	7:05:08	590	-1.0	-0.9	0.1	24	16.71
17-13-jan	8:05:08	590	-0.4	-0.5	-0.1	24	16.71
17-13-jan	9:05:08	591	0.5	0.5	0.0	24	16.71
17-13-jan	10:05:08	591	1.7	1.8	0.1	25	16.70
17-13-jan	11:05:08	591	3.7	3.6	-0.1	25	16.71
17-13-jan	12:05:08	591	4.0	5.9	1.9	25	16.72
17-13-jan	13:05:08	591	3.2	6.2	3.0	25	16.71
17-13-jan	14:05:08	591	4.6	7.5	2.9	25	16.71
17-13-jan	15:05:08	591	3.8	6.2	2.4	25	16.71
17-13-jan	16:05:08	592	3.4	5.6	2.2	25	16.71
17-13-jan	17:05:08	592	1.5	1.6	0.1	25	16.70
17-13-jan	18:05:08	592	-0.2	-0.7	-0.4	25	16.71
17-13-jan	19:05:08	593	-1.0	-2.2	-1.2	24	16.71
17-13-jan	20:05:08	593	-3.0	-3.1	-0.1	24	16.71
17-13-jan	21:05:08	593	-2.1	-3.3	-1.1	24	16.72
17-13-jan	22:05:08	593	-3.6	-3.8	-0.2	24	16.72
17-13-jan	23:05:08	593	-3.7	-4.6	-0.9	24	16.71

BGI PQ200 Air Sampling System Downloaded 2017 17 jan 15:13:03

Job Details:

Job Name: 17Jan17D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1501:14
 Flags: P

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	594	587	590	mmHg
TA	9	-5.7	0.1	°C
Q	---	---	16.71	Lpm

Timer Information:

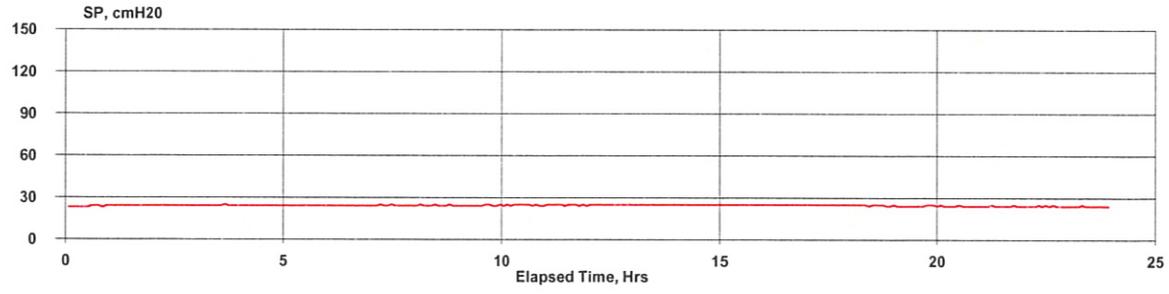
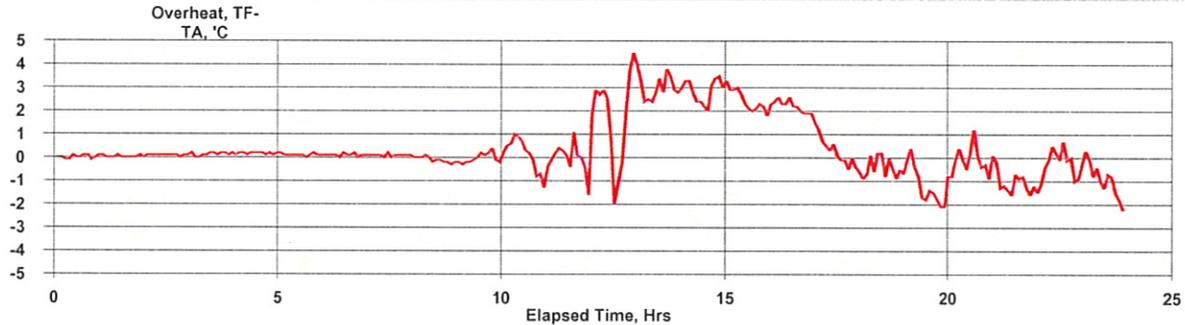
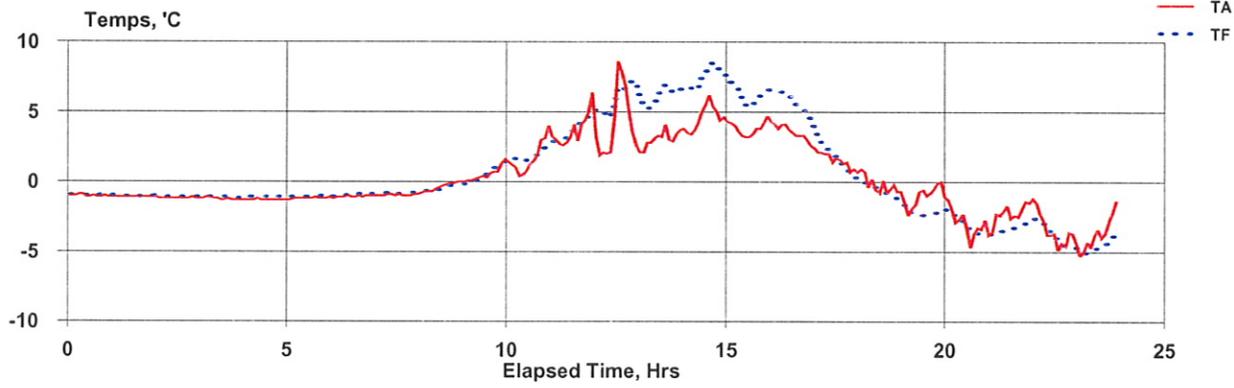
Date	Time
dd-mmm	hh:mm:ss
Start: 17-13-jan	0:00:08
Stop: 17-14-jan	0:00:04
ET: 23:59	

Mass Concentration Data:

Filter ID:	26
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV 0.62 %
 Max overheat 4.6 °C
 occurred 13-jan 12:55:06

Notes 1:
 Notes 2:



Hourly

17-13-jan	0:05:08	588	-1.0	-1.0	0.0	23	16.70
17-13-jan	1:05:08	588	-1.1	-1.1	0.0	24	16.70
17-13-jan	2:05:08	589	-1.2	-1.1	0.1	24	16.71
17-13-jan	3:05:08	589	-1.2	-1.1	0.1	24	16.70
17-13-jan	4:05:08	589	-1.3	-1.1	0.2	24	16.70
17-13-jan	5:05:08	589	-1.2	-1.1	0.1	24	16.71
17-13-jan	6:05:08	589	-1.1	-1.0	0.1	24	16.72
17-13-jan	7:05:08	590	-1.0	-0.9	0.1	24	16.71
17-13-jan	8:05:08	590	-0.4	-0.5	-0.1	24	16.71
17-13-jan	9:05:08	591	0.5	0.5	0.0	24	16.71
17-13-jan	10:05:08	591	1.7	1.8	0.1	25	16.70
17-13-jan	11:05:08	591	3.7	3.6	-0.1	25	16.71
17-13-jan	12:05:08	591	4.0	5.9	1.9	25	16.72
17-13-jan	13:05:08	591	3.2	6.2	3.0	25	16.71
17-13-jan	14:05:08	591	4.6	7.5	2.9	25	16.71
17-13-jan	15:05:08	591	3.8	6.2	2.4	25	16.71
17-13-jan	16:05:08	592	3.4	5.6	2.2	25	16.71
17-13-jan	17:05:08	592	1.5	1.6	0.1	25	16.70
17-13-jan	18:05:08	592	-0.2	-0.7	-0.4	25	16.71
17-13-jan	19:05:08	593	-1.0	-2.2	-1.2	24	16.71
17-13-jan	20:05:08	593	-3.0	-3.1	-0.1	24	16.71
17-13-jan	21:05:08	593	-2.1	-3.3	-1.1	24	16.72
17-13-jan	22:05:08	593	-3.6	-3.8	-0.2	24	16.72
17-13-jan	23:05:08	593	-3.7	-4.6	-0.9	24	16.71

BGI PQ200 Air Sampling System

Job Details:

Job Name: 17Feb01D.JOB
 Version:
 Serial No:
 Pump Time:
 Flags:

Job Code:

Site Name: 2366D
 Station Code:
 Operators: KN30
 User1:
 User2:

	Max	Min	Avg	Units
BP	0	0	0	mmHg
TA	0	0	0	°C
Q	---	---	0	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:		
Stop:		
ET:		

Mass Concentration Data:

Filter ID:	
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	0 m ³
Mass Conc:	µg/m ³

QCV 0 %
 Max overheat occurred 0 °C

Notes 1:
 Notes 2:

Hourly

yy-dd-mmm	hh:mm:ss	mmHg	°C	°C	°C	cmH2O	aLpm

Hourly

17-02-feb	15:19:06	589	6.1	7.7	1.7	17	10.71
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BGI PQ200 Air Sampling System Downloaded 2017 08 feb 15:43:29

Job Details:

Job Name: 17Feb08D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1549:17
 Flags:

Job Code:

Site Name: 2366D
 Station Code:
 Operators: kn
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	588	585	586	mmHg
TA	2.6	-5.3	0.7	°C
Q	---	---	16.71	Lpm

Timer Information:

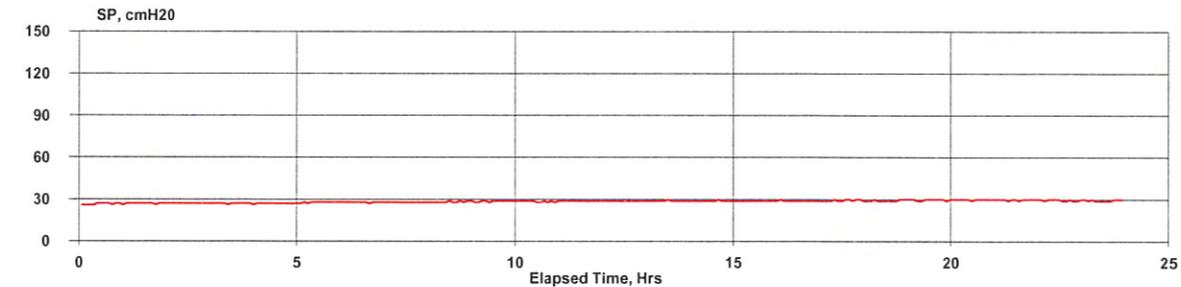
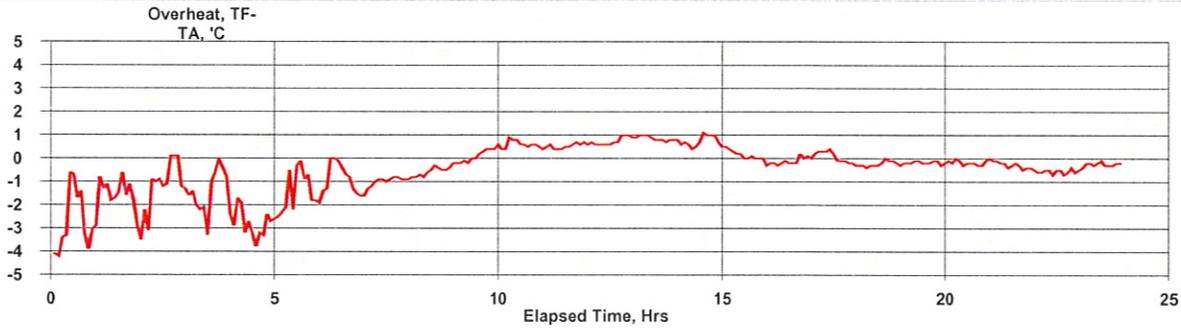
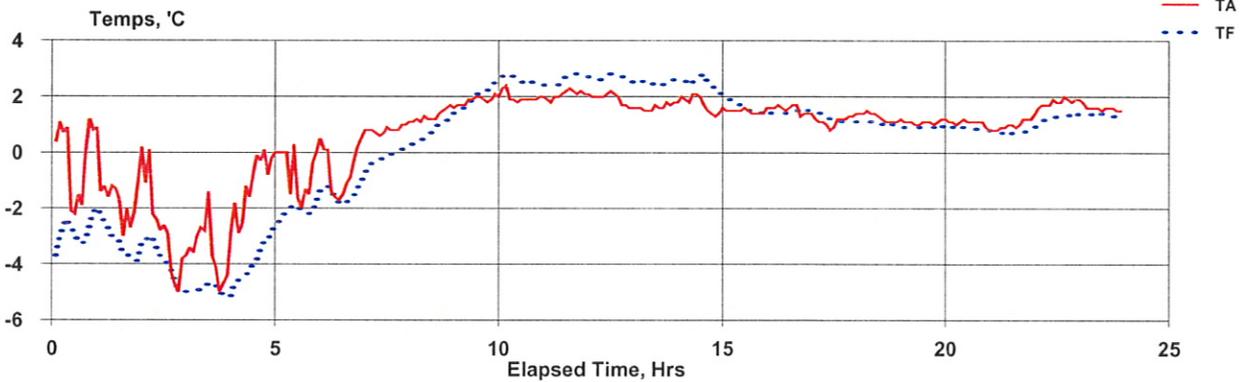
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-06-feb	0:00:08
Stop:	17-07-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	6
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV: 0.56 %
 Max overheat: 2.9 °C
 occurred 08-feb 15:37:11

Notes 1:
 Notes 2:



Hourly

17-06-feb	0:05:08	586	-0.1	-2.8	-2.7	27	16.70
17-06-feb	1:05:08	586	-1.6	-3.2	-1.6	27	16.72
17-06-feb	2:05:08	586	-3.0	-4.0	-1.1	27	16.71
17-06-feb	3:05:08	586	-3.5	-5.0	-1.5	27	16.71
17-06-feb	4:05:08	586	-1.0	-3.8	-2.8	27	16.72
17-06-feb	5:05:08	586	-0.6	-2.1	-1.4	28	16.71
17-06-feb	6:05:08	586	-0.6	-1.5	-0.9	28	16.71
17-06-feb	7:05:08	586	0.8	-0.1	-1.0	28	16.70
17-06-feb	8:05:08	587	1.3	0.8	-0.5	28	16.71
17-06-feb	9:05:08	587	1.9	2.0	0.1	29	16.70
17-06-feb	10:05:08	587	2.0	2.6	0.6	29	16.71
17-06-feb	11:05:08	587	2.1	2.6	0.5	29	16.71
17-06-feb	12:05:08	587	1.9	2.7	0.7	29	16.71
17-06-feb	13:05:08	586	1.6	2.5	0.9	29	16.70
17-06-feb	14:05:08	586	1.7	2.5	0.7	29	16.71
17-06-feb	15:05:08	586	1.5	1.6	0.1	29	16.72
17-06-feb	16:05:08	586	1.5	1.4	-0.1	29	16.71
17-06-feb	17:05:08	587	1.1	1.2	0.1	29	16.71
17-06-feb	18:05:08	587	1.3	1.0	-0.2	29	16.71
17-06-feb	19:05:08	587	1.1	0.9	-0.2	30	16.71
17-06-feb	20:05:08	587	1.1	0.9	-0.2	30	16.71
17-06-feb	21:05:08	587	1.0	0.7	-0.3	30	16.70
17-06-feb	22:05:08	587	1.8	1.3	-0.6	30	16.71
17-06-feb	23:05:08	587	1.6	1.3	-0.2	29	16.71

BGI PQ200 Air Sampling System Downloaded 2017 14 feb 13:10:03

Job Details:

Job Name: 17Feb14D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1573:16
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv

	Max	Min	Avg	Units
BP	594	591	592	mmHg
TA	4.1	-0.4	1.2	°C
Q	---	---	16.71	Lpm

Timer Information:

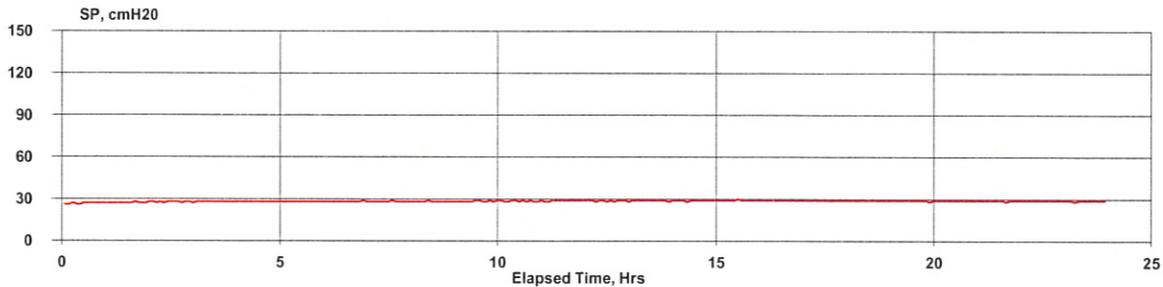
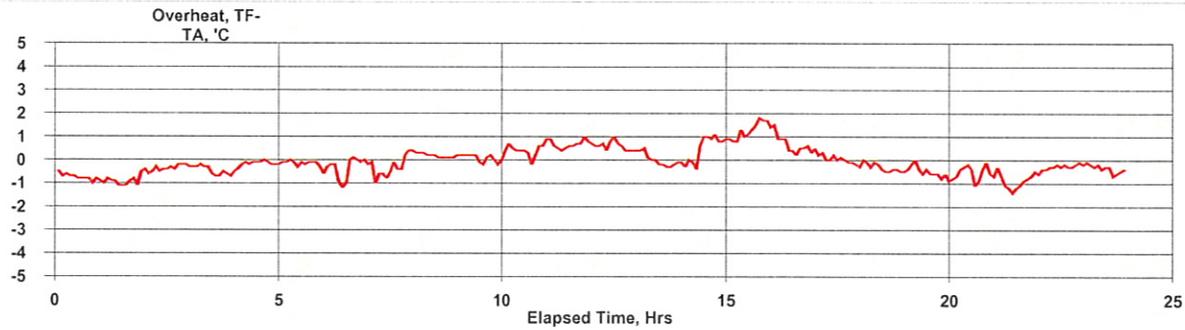
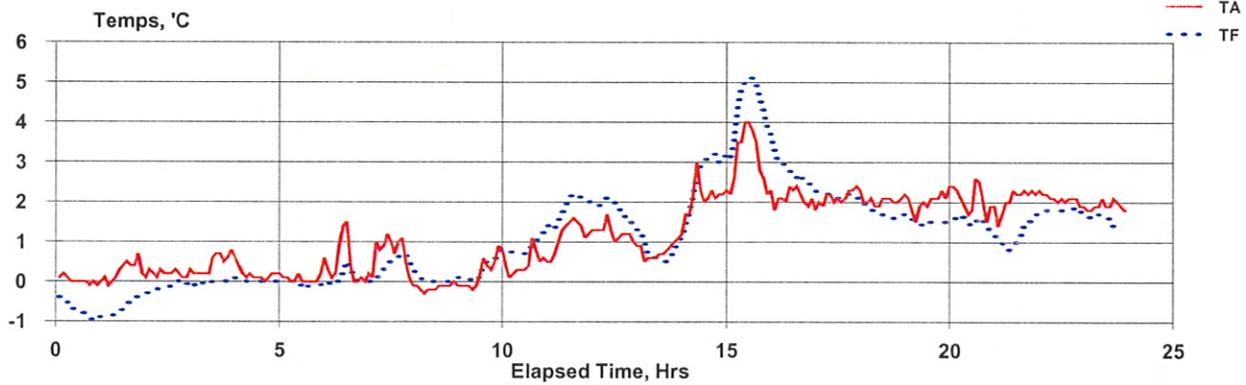
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-12-feb	0:00:08
Stop:	17-13-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	21
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.042 m ³
Mass Conc:	0 µg/m ³

QCV 0.54 %
 Max overheat 2.4 °C
 occurred 13-feb 16:20:22

Notes 1:
 Notes 2:



Hourly

17-12-feb	0:05:08	592	0.0	-0.7	-0.8	27	16.70
17-12-feb	1:05:08	592	0.3	-0.6	-0.9	27	16.72
17-12-feb	2:05:08	592	0.2	-0.2	-0.4	28	16.71
17-12-feb	3:05:08	592	0.5	0.0	-0.5	28	16.71
17-12-feb	4:05:08	592	0.2	0.0	-0.2	28	16.71
17-12-feb	5:05:08	592	0.1	-0.1	-0.2	28	16.71
17-12-feb	6:05:08	592	0.4	0.1	-0.3	28	16.71
17-12-feb	7:05:08	593	0.7	0.4	-0.3	28	16.71
17-12-feb	8:05:08	593	-0.1	0.0	0.2	28	16.71
17-12-feb	9:05:08	594	0.3	0.3	0.1	28	16.71
17-12-feb	10:05:08	594	0.5	0.9	0.4	29	16.71
17-12-feb	11:05:08	594	1.2	1.9	0.7	29	16.71
17-12-feb	12:05:08	594	1.2	1.8	0.6	29	16.71
17-12-feb	13:05:08	593	0.8	0.8	0.0	29	16.73
17-12-feb	14:05:08	592	2.2	2.7	0.5	29	16.71
17-12-feb	15:05:08	592	3.1	4.4	1.3	29	16.71
17-12-feb	16:05:08	592	2.1	2.7	0.6	29	16.70
17-12-feb	17:05:08	592	2.2	2.2	0.0	29	16.71
17-12-feb	18:05:08	593	2.0	1.7	-0.3	29	16.71
17-12-feb	19:05:08	593	2.0	1.5	-0.5	29	16.71
17-12-feb	20:05:08	593	2.1	1.5	-0.6	29	16.71
17-12-feb	21:05:08	593	2.1	1.2	-0.9	29	16.71
17-12-feb	22:05:08	592	2.1	1.8	-0.3	29	16.71
17-12-feb	23:05:08	592	1.9	1.6	-0.4	29	16.71

BGI PQ200 Air Sampling System Downloaded 2017 21 feb 12:53:43

Job Details:

Job Name: 17Feb21D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1597:15
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	583	580	581	mmHg
TA	4.2	0.3	2.3	°C
Q	---	---	16.71	Lpm

Timer Information:

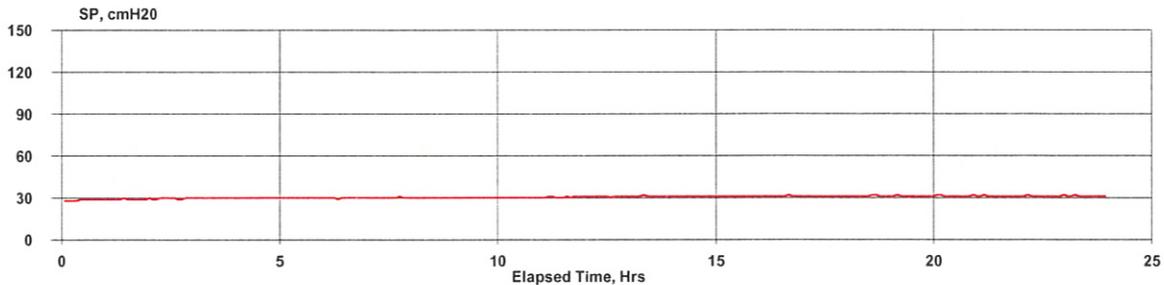
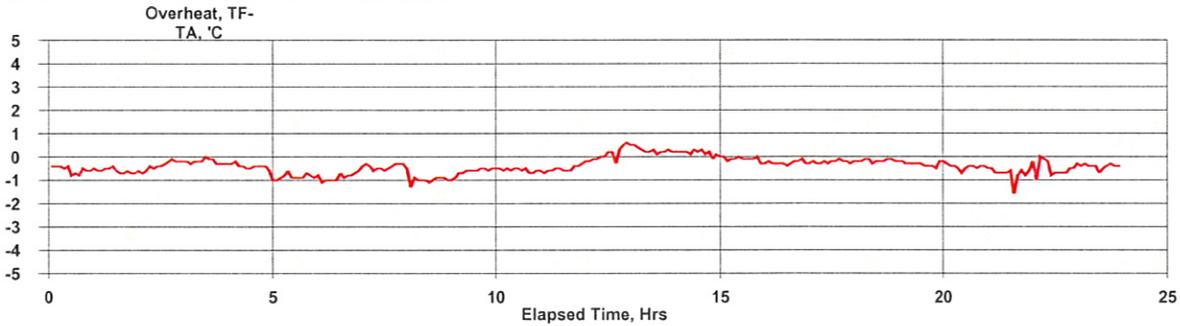
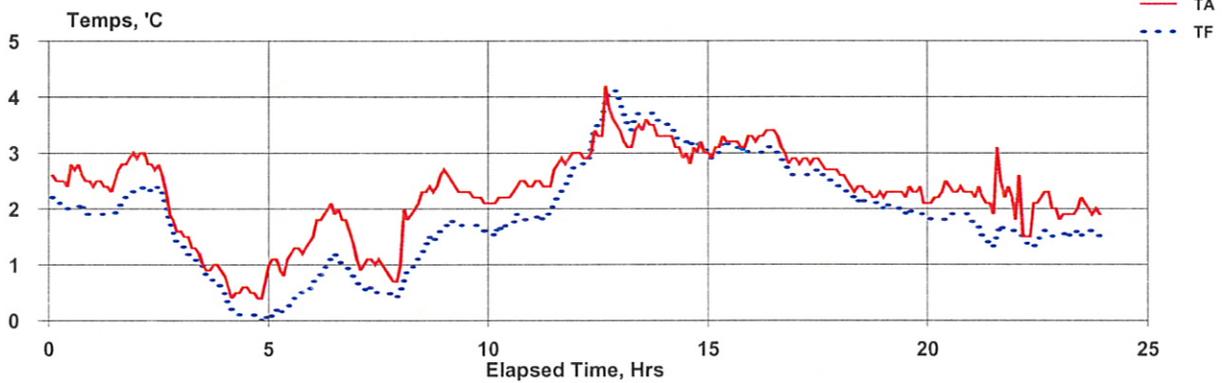
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-18-feb	0:00:08
Stop:	17-19-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	36
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.042 m ³
Mass Conc:	0 µg/m ³

QCV 0.52 %
 Max overheat 3.4 °C
 occurred 19-feb 17:10:21

Notes 1:
 Notes 2:



Hourly

17-18-feb	0:05:08	583	2.6	2.0	-0.6	29	16.72
17-18-feb	1:05:08	582	2.6	2.0	-0.6	29	16.71
17-18-feb	2:05:08	582	2.4	2.1	-0.4	30	16.71
17-18-feb	3:05:08	582	1.1	0.9	-0.2	30	16.72
17-18-feb	4:05:08	582	0.6	0.1	-0.5	30	16.71
17-18-feb	5:05:08	582	1.2	0.3	-0.8	30	16.72
17-18-feb	6:05:08	582	1.8	0.9	-0.8	30	16.71
17-18-feb	7:05:08	582	0.9	0.5	-0.4	30	16.71
17-18-feb	8:05:08	582	2.2	1.2	-1.0	30	16.70
17-18-feb	9:05:08	582	2.3	1.7	-0.6	30	16.71
17-18-feb	10:05:08	582	2.3	1.7	-0.6	30	16.71
17-18-feb	11:05:08	582	2.7	2.2	-0.5	31	16.71
17-18-feb	12:05:08	581	3.4	3.5	0.1	31	16.70
17-18-feb	13:05:08	581	3.4	3.6	0.3	31	16.71
17-18-feb	14:05:08	581	3.1	3.2	0.2	31	16.72
17-18-feb	15:05:08	581	3.2	3.1	-0.1	31	16.73
17-18-feb	16:05:08	581	3.2	2.9	-0.3	31	16.70
17-18-feb	17:05:08	581	2.8	2.6	-0.2	31	16.71
17-18-feb	18:05:08	581	2.3	2.2	-0.2	31	16.71
17-18-feb	19:05:08	581	2.3	2.0	-0.3	31	16.71
17-18-feb	20:05:08	581	2.3	1.9	-0.5	31	16.72
17-18-feb	21:05:08	582	2.3	1.6	-0.7	31	16.71
17-18-feb	22:05:08	582	2.0	1.5	-0.5	31	16.70
17-18-feb	23:05:08	582	2.0	1.6	-0.4	31	16.72

Hourly

17-24-feb	0:05:08	585	-8.8	-9.7	-1.0	35	16.71
17-24-feb	1:05:08	585	-8.4	-9.5	-1.2	35	16.71
17-24-feb	2:05:08	585	-7.9	-8.8	-0.9	36	16.72
17-24-feb	3:05:08	585	-8.0	-8.7	-0.8	36	16.71
17-24-feb	4:05:08	585	-8.4	-9.4	-1.0	36	16.70
17-24-feb	5:05:08	586	-9.3	-10.6	-1.3	36	16.71
17-24-feb	6:05:08	586	-9.5	-11.2	-1.7	36	16.72
17-24-feb	7:05:08	586	-9.4	-10.9	-1.5	36	16.71
17-24-feb	8:05:08	587	-6.7	-6.7	0.0	38	16.71
17-24-feb	9:05:08	587	-5.2	-4.1	1.1	38	16.72
17-24-feb	10:05:08	587	-4.1	-2.4	1.7	39	16.72
17-24-feb	11:05:08	587	-2.9	-0.6	2.2	39	16.71
17-24-feb	12:05:08	587	-2.4	0.3	2.7	40	16.71
17-24-feb	13:05:08	587	-2.0	0.5	2.5	40	16.71
17-24-feb	14:05:08	587	-1.6	1.1	2.7	40	16.71
17-24-feb	15:05:08	587	-1.5	1.1	2.6	40	16.71
17-24-feb	16:05:08	588	-1.7	0.4	2.0	40	16.71
17-24-feb	17:05:08	588	-2.5	-1.1	1.4	39	16.72
17-24-feb	18:05:08	588	-4.4	-4.5	-0.1	39	16.71
17-24-feb	19:05:08	589	-6.1	-6.8	-0.7	38	16.72
17-24-feb	20:05:08	589	-7.0	-8.1	-1.1	38	16.71
17-24-feb	21:05:08	589	-8.4	-9.5	-1.1	38	16.70
17-24-feb	22:05:08	589	-9.3	-10.4	-1.1	38	16.71
17-24-feb	23:05:08	589	-9.7	-10.8	-1.1	37	16.70

BGI PQ200 Air Sampling System Downloaded 2017 03 mar 13:59:38

Job Details:

Job Name: 17Mar03D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1645:14
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	597	595	595	mmHg
TA	9.6	-6.6	0.6	°C
Q	---	---	16.7	Lpm

Timer Information:

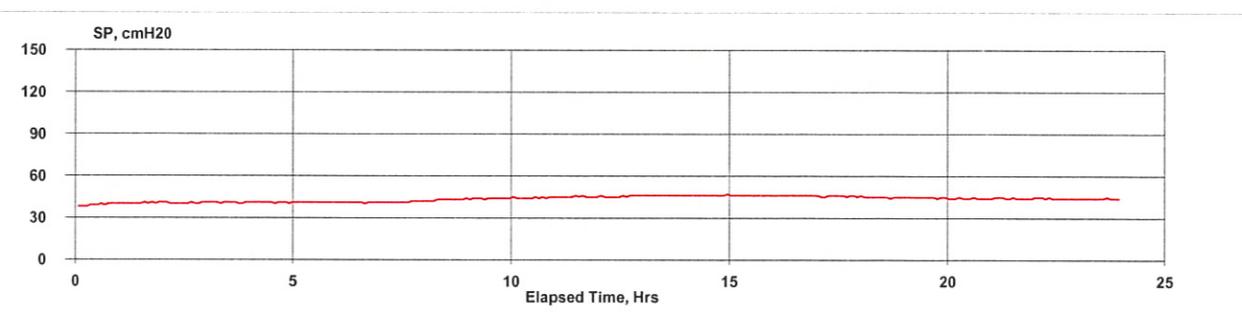
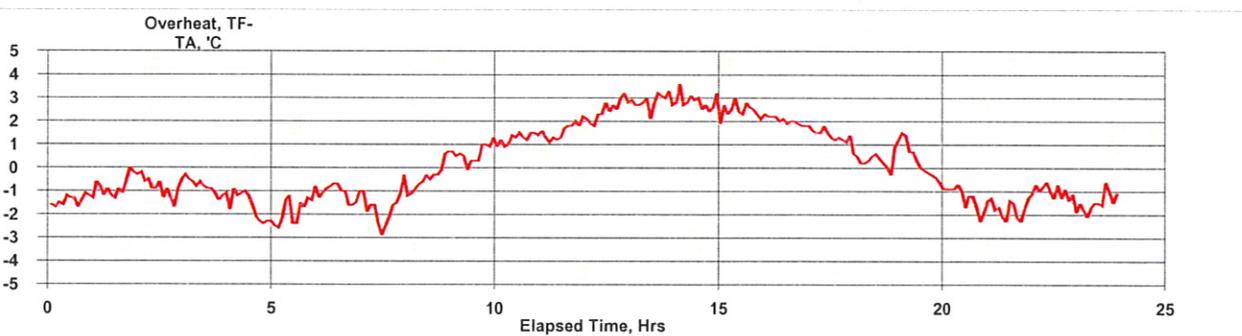
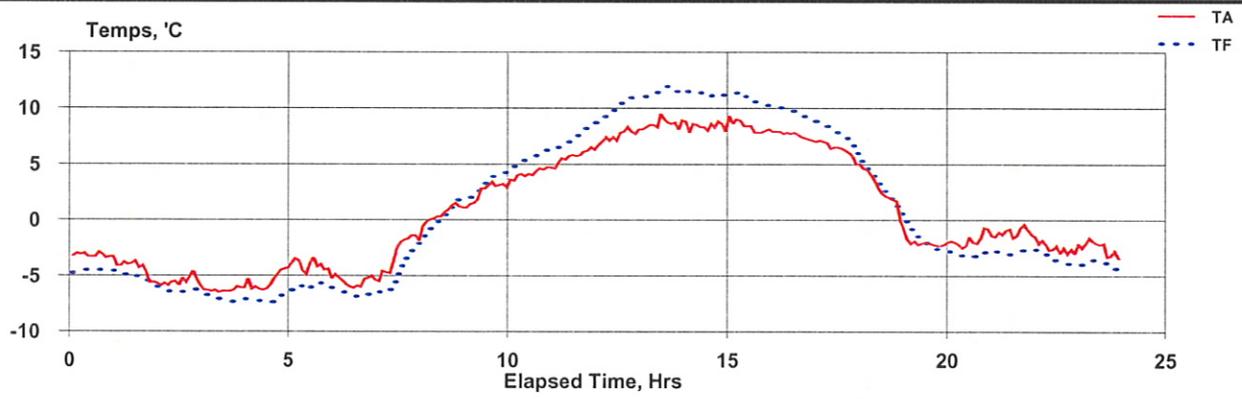
Date	Time
dd-mmm	hh:mm:ss
Start: 17-02-mar	0:00:08
Stop: 17-03-mar	0:00:05
ET: 24:00:00	

Mass Concentration Data:

Filter ID:	49
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.041 m ³
Mass Conc:	0 µg/m ³

QCV 0.55 %
 Max overheat 3.7 °C
 occurred 02-mar 13:52:42

Notes 1:
 Notes 2:



Hourly

17-02-mar	0:04:38	596	-3.2	-4.6	-1.4	39	16.71
17-02-mar	1:04:38	596	-4.5	-5.2	-0.8	40	16.72
17-02-mar	2:04:38	596	-5.5	-6.4	-0.9	40	16.71
17-02-mar	3:04:38	596	-6.3	-7.1	-0.8	41	16.70
17-02-mar	4:04:38	596	-5.5	-7.1	-1.7	41	16.71
17-02-mar	5:04:38	596	-4.2	-6.0	-1.8	41	16.71
17-02-mar	6:04:38	597	-5.5	-6.6	-1.1	41	16.71
17-02-mar	7:04:38	597	-3.0	-4.7	-1.7	41	16.71
17-02-mar	8:04:38	597	0.6	0.2	-0.4	43	16.71
17-02-mar	9:04:38	597	2.5	3.1	0.6	44	16.71
17-02-mar	10:04:38	597	4.2	5.4	1.3	44	16.71
17-02-mar	11:04:38	597	5.7	7.3	1.6	45	16.70
17-02-mar	12:04:38	596	7.5	10.0	2.5	46	16.71
17-02-mar	13:04:38	596	8.6	11.5	2.9	46	16.72
17-02-mar	14:04:38	595	8.4	11.2	2.9	46	16.70
17-02-mar	15:04:38	595	8.4	10.8	2.5	46	16.71
17-02-mar	16:04:38	595	7.6	9.6	2.0	46	16.72
17-02-mar	17:04:38	595	6.4	7.8	1.4	46	16.71
17-02-mar	18:04:38	595	2.9	3.2	0.3	45	16.71
17-02-mar	19:04:38	596	-2.0	-1.6	0.4	45	16.71
17-02-mar	20:04:38	596	-1.8	-3.1	-1.3	44	16.71
17-02-mar	21:04:38	596	-1.1	-2.9	-1.7	44	16.71
17-02-mar	22:04:38	596	-2.4	-3.4	-1.0	44	16.71
17-02-mar	23:04:38	596	-2.4	-3.9	-1.5	44	16.71

BGI PQ200 Air Sampling System Downloaded 2017 10 mar 11:34:53

Job Details:

Job Name: 17Mar10D.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1651:34
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:

User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	595	592	593	mmHg
TA	16.7	-3	5.8	°C
Q	---	---	16.7	Lpm

Timer Information:

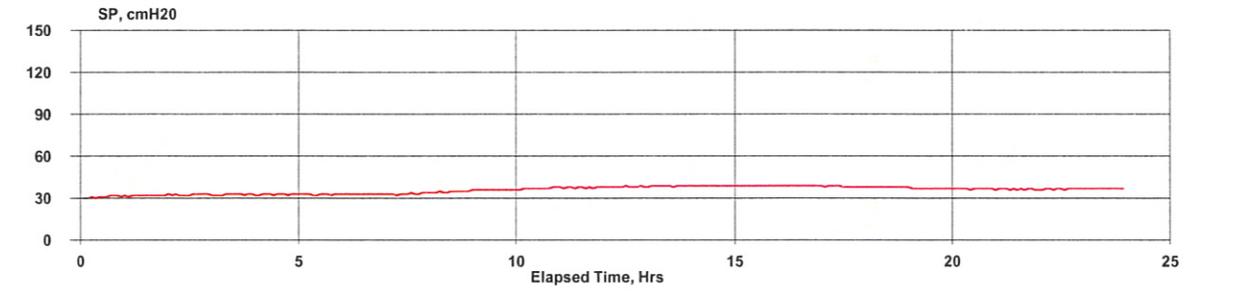
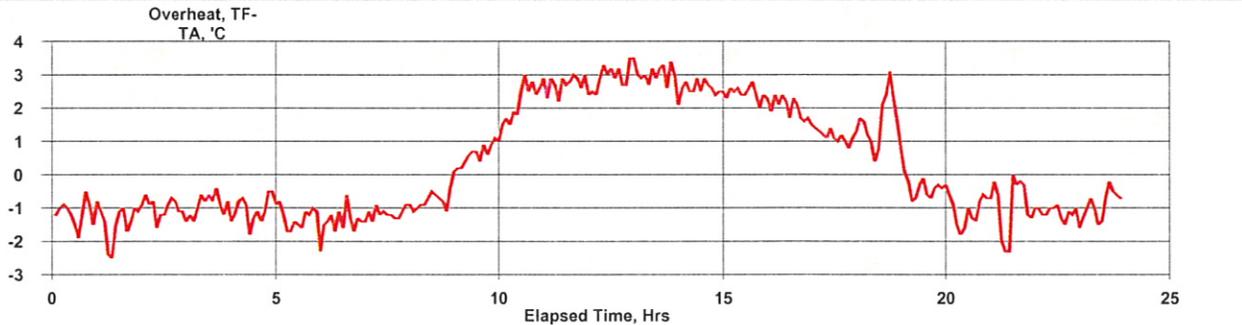
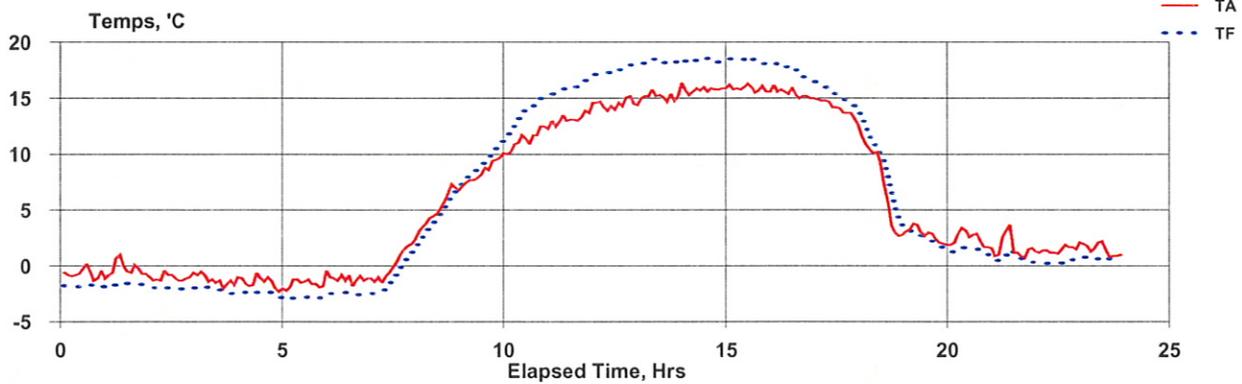
Date	Time
dd-mmm	hh:mm:ss
Start: 17-08-mar	0:00:08
Stop: 17-09-mar	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	72
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.034 m ³
Mass Conc:	0 µg/m ³

QCV 0.46 %
 Max overheat 6.7 °C
 occurred 09-mar 18:39:47

Notes 1:
 Notes 2:



Hourly

17-08-mar	0:05:08	594	-0.7	-1.8	-1.1	31	16.70
17-08-mar	1:05:08	594	-0.3	-1.7	-1.4	32	16.70
17-08-mar	2:05:08	594	-1.0	-2.0	-1.0	33	16.71
17-08-mar	3:05:08	593	-1.3	-2.2	-0.9	33	16.72
17-08-mar	4:05:08	593	-1.5	-2.5	-1.0	33	16.71
17-08-mar	5:05:08	593	-1.5	-2.9	-1.4	33	16.71
17-08-mar	6:05:08	593	-1.2	-2.5	-1.4	33	16.71
17-08-mar	7:05:08	593	0.3	-0.8	-1.1	33	16.71
17-08-mar	8:05:08	594	5.2	4.5	-0.7	35	16.71
17-08-mar	9:05:08	594	8.5	9.2	0.6	36	16.71
17-08-mar	10:05:08	594	11.4	13.7	2.3	37	16.71
17-08-mar	11:05:08	594	13.3	16.0	2.7	38	16.71
17-08-mar	12:05:08	594	14.5	17.5	3.0	38	16.71
17-08-mar	13:05:08	594	15.3	18.2	2.9	39	16.70
17-08-mar	14:05:08	593	15.8	18.4	2.6	39	16.68
17-08-mar	15:05:08	593	15.9	18.3	2.4	39	16.70
17-08-mar	16:05:08	593	15.4	17.4	2.0	39	16.71
17-08-mar	17:05:08	593	14.1	15.2	1.2	38	16.71
17-08-mar	18:05:08	593	7.3	8.9	1.6	38	16.71
17-08-mar	19:05:08	593	2.8	2.4	-0.4	37	16.71
17-08-mar	20:05:08	593	2.4	1.3	-1.1	37	16.71
17-08-mar	21:05:08	593	1.7	0.7	-1.0	37	16.70
17-08-mar	22:05:08	593	1.5	0.3	-1.2	37	16.71
17-08-mar	23:05:08	593	1.5	0.6	-0.9	37	16.70

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 10:00:26

Job Details:

Job Name: 17Mar16D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1693:12
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	595	592	593	mmHg
TA	21.5	1.4	10.2	°C
Q	---	---	16.71	Lpm

Timer Information:

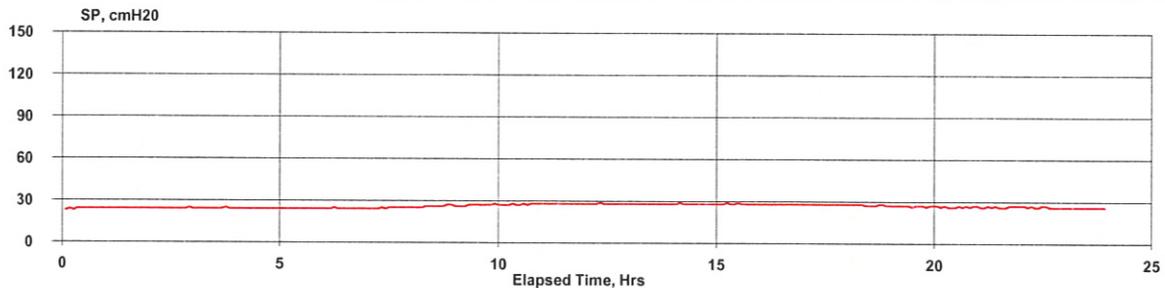
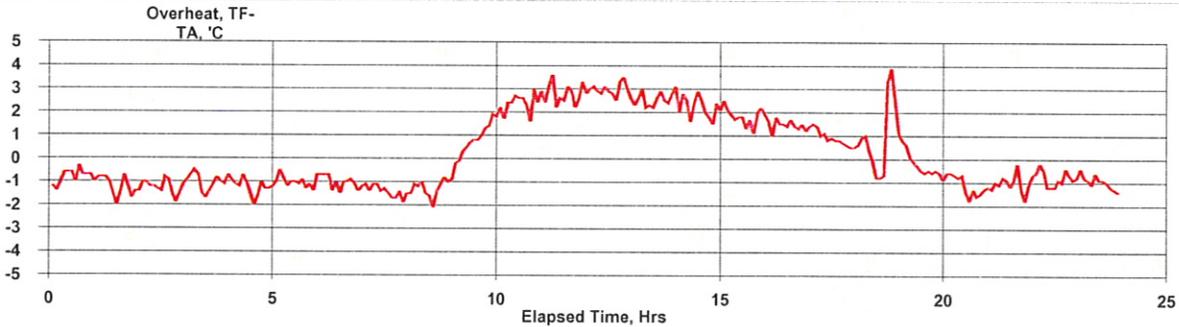
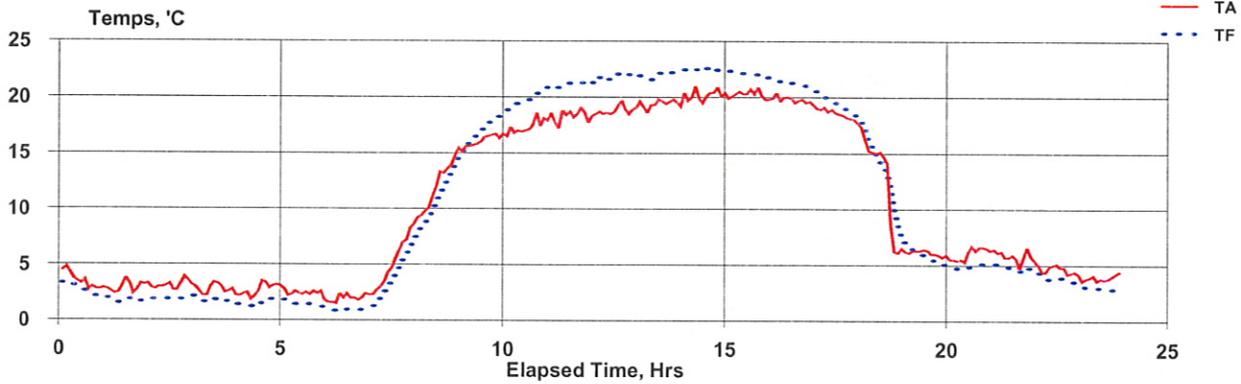
Date	Time
dd-mmm	hh:mm:ss
Start: 17-14-mar	0:00:08
Stop: 17-15-mar	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	8
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.039 m ³
Mass Conc:	0 µg/m ³

QCV 0.56 %
 Max overheat 4.1 °C
 occurred 14-mar 18:48:09

Notes 1:
 Notes 2:



Hourly

17-14-mar	0:05:08	594	3.5	2.7	-0.8	24	16.71
17-14-mar	1:05:08	594	3.0	1.7	-1.2	24	16.71
17-14-mar	2:05:08	594	3.1	1.9	-1.2	24	16.73
17-14-mar	3:05:08	594	2.7	1.7	-1.0	24	16.72
17-14-mar	4:05:08	594	2.8	1.5	-1.2	24	16.71
17-14-mar	5:05:08	594	2.4	1.4	-1.0	24	16.71
17-14-mar	6:05:08	595	2.0	1.0	-1.1	24	16.71
17-14-mar	7:05:08	595	5.3	3.9	-1.4	25	16.71
17-14-mar	8:05:08	595	12.2	10.9	-1.3	26	16.72
17-14-mar	9:05:08	595	16.1	16.9	0.8	27	16.70
17-14-mar	10:05:08	594	17.3	19.7	2.4	28	16.71
17-14-mar	11:05:08	594	18.3	21.1	2.8	28	16.71
17-14-mar	12:05:08	594	18.8	21.8	3.0	28	16.71
17-14-mar	13:05:08	593	19.4	22.0	2.6	28	16.71
17-14-mar	14:05:08	593	20.2	22.4	2.2	28	16.71
17-14-mar	15:05:08	593	20.3	22.1	1.8	28	16.71
17-14-mar	16:05:08	593	19.8	21.2	1.4	28	16.70
17-14-mar	17:05:08	593	18.5	19.4	0.9	28	16.71
17-14-mar	18:05:08	594	12.5	13.5	0.9	28	16.71
17-14-mar	19:05:08	594	6.1	5.9	-0.3	27	16.71
17-14-mar	20:05:08	594	6.0	4.9	-1.1	27	16.72
17-14-mar	21:05:08	594	5.8	4.8	-1.0	27	16.72
17-14-mar	22:05:08	594	4.6	3.8	-0.8	26	16.71
17-14-mar	23:05:08	594	3.9	2.9	-1.0	26	16.70

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 10:00:26

Job Details:

Job Name: 17Mar16D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1693:12
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	595	592	593	mmHg
TA	21.5	1.4	10.2	°C
Q	---	---	16.71	Lpm

Timer Information:

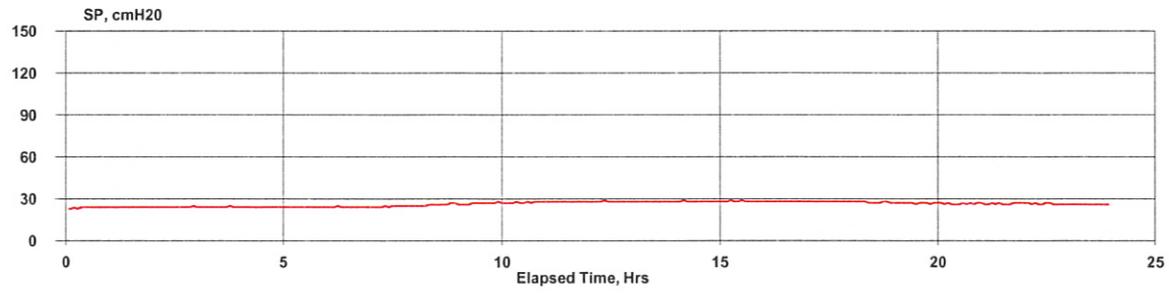
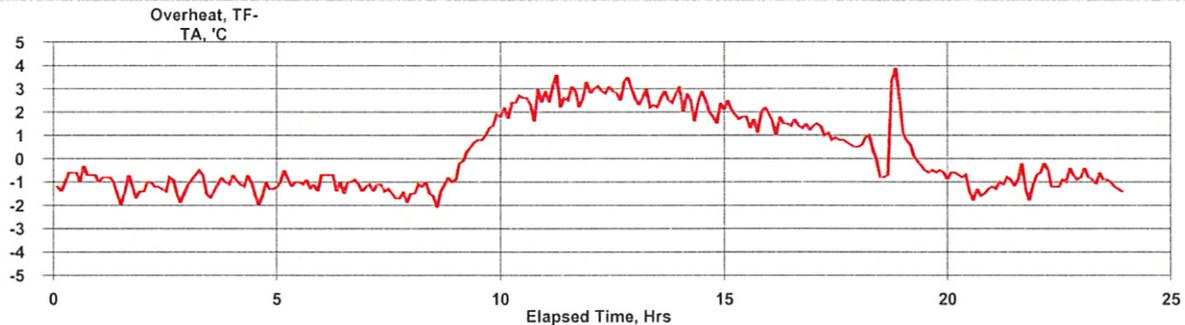
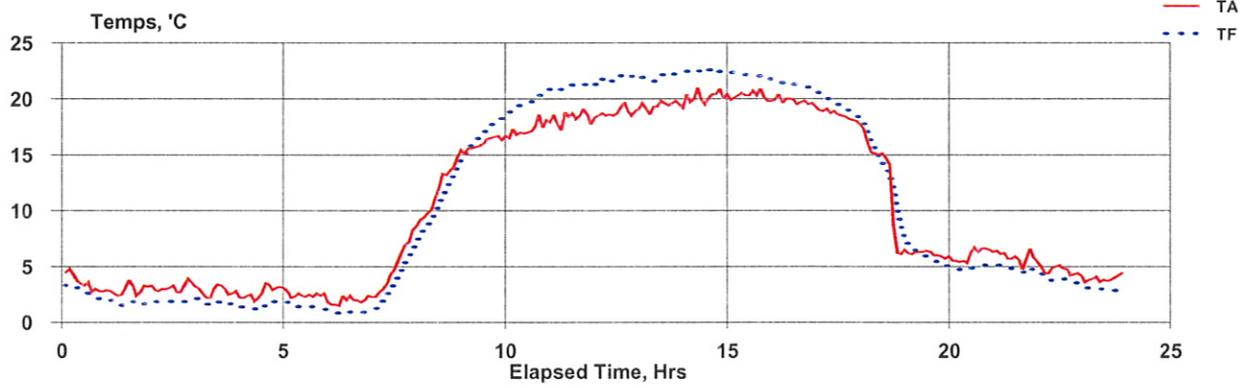
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-14-mar	0:00:08
Stop:	17-15-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	8
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.039 m ³
Mass Conc:	0 µg/m ³

QCV 0.56 %
 Max overheat 4.1 °C
 occurred 14-mar 18:48:09

Notes 1:
 Notes 2:



Hourly

17-14-mar	0:05:08	594	3.5	2.7	-0.8	24	16.71
17-14-mar	1:05:08	594	3.0	1.7	-1.2	24	16.71
17-14-mar	2:05:08	594	3.1	1.9	-1.2	24	16.73
17-14-mar	3:05:08	594	2.7	1.7	-1.0	24	16.72
17-14-mar	4:05:08	594	2.8	1.5	-1.2	24	16.71
17-14-mar	5:05:08	594	2.4	1.4	-1.0	24	16.71
17-14-mar	6:05:08	595	2.0	1.0	-1.1	24	16.71
17-14-mar	7:05:08	595	5.3	3.9	-1.4	25	16.71
17-14-mar	8:05:08	595	12.2	10.9	-1.3	26	16.72
17-14-mar	9:05:08	595	16.1	16.9	0.8	27	16.70
17-14-mar	10:05:08	594	17.3	19.7	2.4	28	16.71
17-14-mar	11:05:08	594	18.3	21.1	2.8	28	16.71
17-14-mar	12:05:08	594	18.8	21.8	3.0	28	16.71
17-14-mar	13:05:08	593	19.4	22.0	2.6	28	16.71
17-14-mar	14:05:08	593	20.2	22.4	2.2	28	16.71
17-14-mar	15:05:08	593	20.3	22.1	1.8	28	16.71
17-14-mar	16:05:08	593	19.8	21.2	1.4	28	16.70
17-14-mar	17:05:08	593	18.5	19.4	0.9	28	16.71
17-14-mar	18:05:08	594	12.5	13.5	0.9	28	16.71
17-14-mar	19:05:08	594	6.1	5.9	-0.3	27	16.71
17-14-mar	20:05:08	594	6.0	4.9	-1.1	27	16.72
17-14-mar	21:05:08	594	5.8	4.8	-1.0	27	16.72
17-14-mar	22:05:08	594	4.6	3.8	-0.8	26	16.71
17-14-mar	23:05:08	594	3.9	2.9	-1.0	26	16.70

BGI PQ200 Air Sampling System Downloaded 2017 24 mar 08:50:25

Job Details:

Job Name: 17Mar24D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1717:11
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	594	590	591	mmHg
TA	19.4	0.5	9.7	°C
Q	---	---	16.7	Lpm

Timer Information:

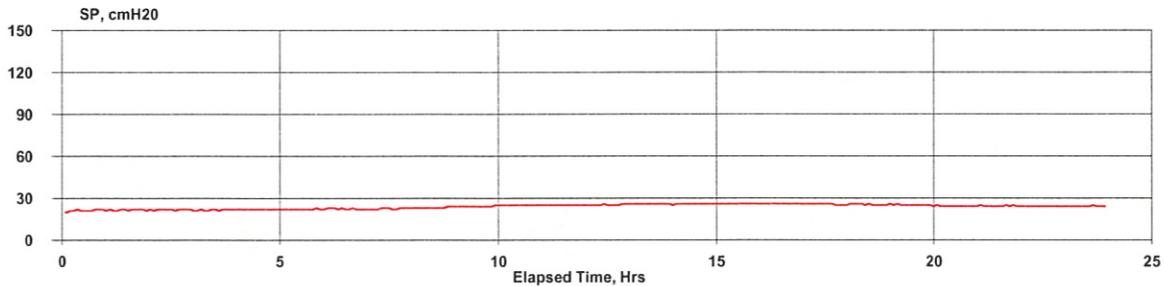
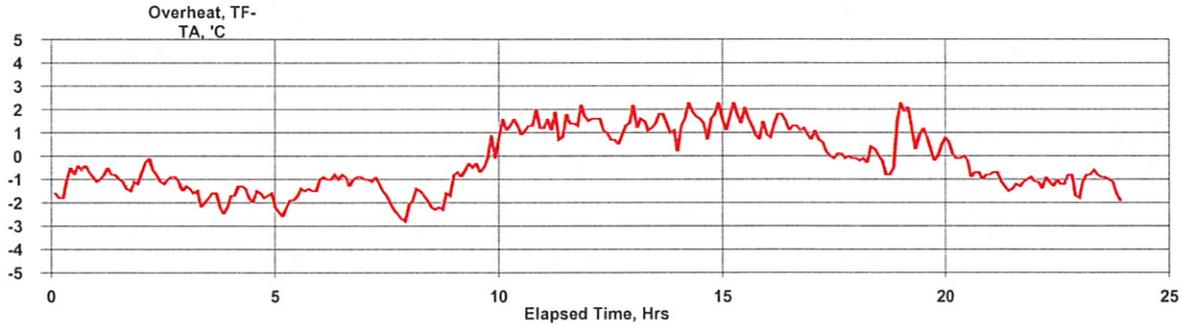
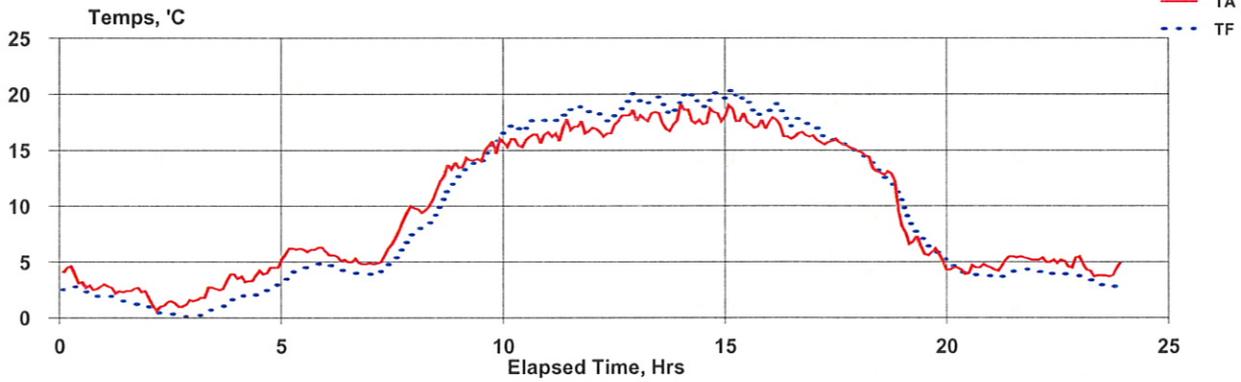
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-20-mar	0:00:08
Stop:	17-21-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	13
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.038 m ³
Mass Conc:	0 µg/m ³

QCV 0.55 %
 Max overheat 3.9 °C
 occurred 21-mar 20:14:46

Notes 1:
 Notes 2:



Hourly

17-20-mar	0:05:08	593	3.3	2.4	-1.0	21	16.71
17-20-mar	1:05:08	593	2.4	1.4	-1.0	22	16.72
17-20-mar	2:05:08	593	1.2	0.3	-0.9	22	16.71
17-20-mar	3:05:08	593	2.7	0.9	-1.9	22	16.71
17-20-mar	4:05:08	593	4.0	2.4	-1.7	22	16.71
17-20-mar	5:05:08	592	6.1	4.3	-1.8	22	16.71
17-20-mar	6:05:08	592	5.1	4.2	-1.0	22	16.72
17-20-mar	7:05:08	593	7.2	5.4	-1.8	23	16.71
17-20-mar	8:05:08	593	11.7	9.9	-1.8	23	16.72
17-20-mar	9:05:08	593	14.7	14.5	-0.3	24	16.71
17-20-mar	10:05:08	592	16.0	17.3	1.3	25	16.70
17-20-mar	11:05:08	592	16.8	18.3	1.5	25	16.71
17-20-mar	12:05:08	592	17.3	18.6	1.2	25	16.71
17-20-mar	13:05:08	591	17.8	19.1	1.3	26	16.71
17-20-mar	14:05:08	591	18.0	19.6	1.7	26	16.71
17-20-mar	15:05:08	591	17.7	19.1	1.4	26	16.70
17-20-mar	16:05:08	590	16.6	17.9	1.2	26	16.71
17-20-mar	17:05:08	590	15.5	15.7	0.2	26	16.70
17-20-mar	18:05:08	590	12.7	12.8	0.1	26	16.71
17-20-mar	19:05:08	591	6.1	6.9	0.8	25	16.71
17-20-mar	20:05:08	591	4.4	4.0	-0.4	24	16.71
17-20-mar	21:05:08	591	5.1	4.0	-1.1	24	16.72
17-20-mar	22:05:08	591	5.1	3.9	-1.2	24	16.71
17-20-mar	23:05:08	591	4.1	3.1	-1.0	24	16.71

BGI PQ200 Air Sampling System Downloaded 2017 27 mar 09:59:21

Job Details:

Job Name: 17Mar27D.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1741:10
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	589	586	588	mmHg
TA	11.5	-3.4	3.8	°C
Q	---	---	16.71	Lpm

Timer Information:

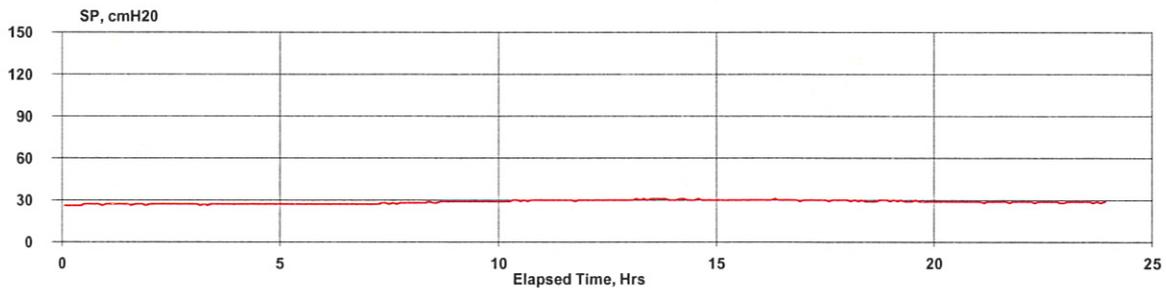
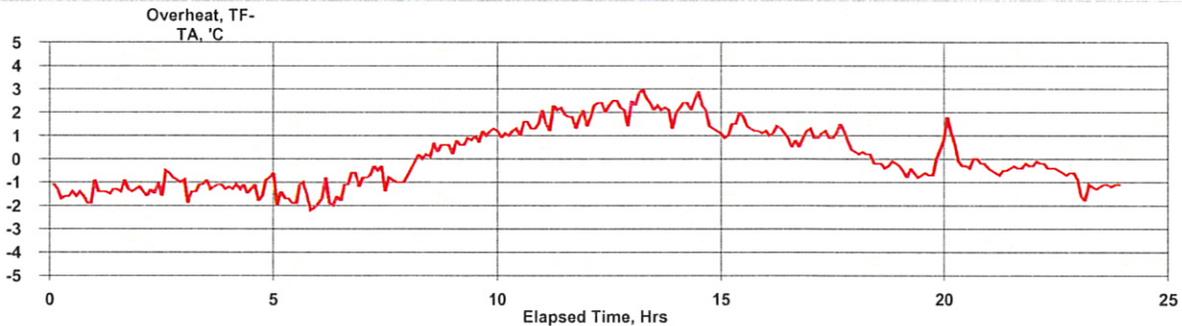
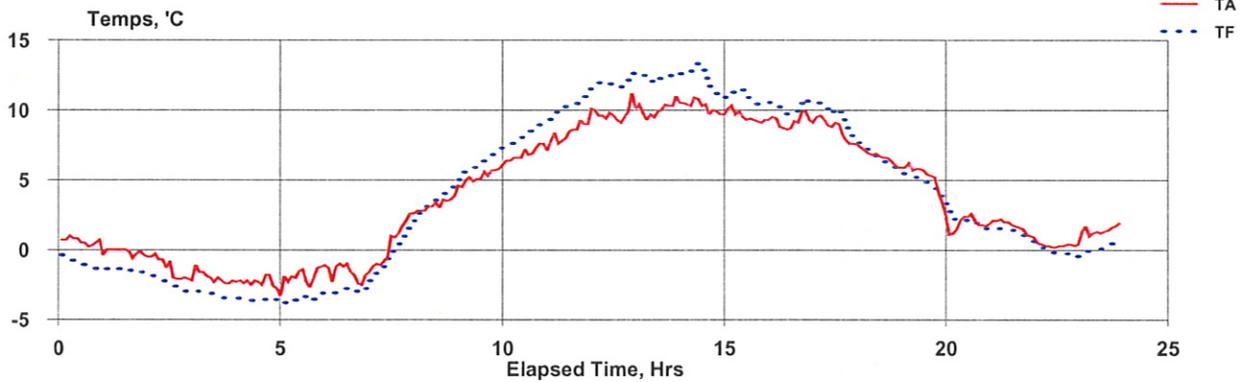
Date	Time
dd-mmm	hh:mm:ss
Start: 17-26-mar	0:00:08
Stop: 17-27-mar	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	22
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.039 m ³
Mass Conc:	0 µg/m ³

QCV 0.51 %
 Max overheat 3.2 °C
 occurred 26-mar 13:08:04

Notes 1:
 Notes 2:



Hourly

17-26-mar	0:05:08	588	0.5	-1.0	-1.5	27	16.71
17-26-mar	1:05:08	588	-0.2	-1.5	-1.3	27	16.71
17-26-mar	2:05:08	587	-1.4	-2.5	-1.1	27	16.71
17-26-mar	3:05:08	588	-2.0	-3.3	-1.3	27	16.72
17-26-mar	4:05:08	588	-2.4	-3.6	-1.2	27	16.71
17-26-mar	5:05:08	588	-1.8	-3.5	-1.7	27	16.71
17-26-mar	6:05:08	588	-1.6	-2.9	-1.3	27	16.72
17-26-mar	7:05:08	588	0.6	-0.2	-0.8	28	16.71
17-26-mar	8:05:08	589	3.4	3.6	0.3	29	16.71
17-26-mar	9:05:08	588	5.3	6.3	0.9	29	16.71
17-26-mar	10:05:08	589	6.9	8.3	1.3	30	16.71
17-26-mar	11:05:08	588	8.6	10.3	1.8	30	16.72
17-26-mar	12:05:08	588	9.8	12.0	2.2	30	16.70
17-26-mar	13:05:08	588	10.1	12.4	2.3	31	16.71
17-26-mar	14:05:08	588	10.2	12.2	2.0	30	16.70
17-26-mar	15:05:08	588	9.5	10.9	1.3	30	16.71
17-26-mar	16:05:08	587	9.2	10.2	1.0	30	16.71
17-26-mar	17:05:08	588	8.6	9.5	0.9	30	16.71
17-26-mar	18:05:08	588	6.6	6.5	-0.1	29	16.71
17-26-mar	19:05:08	588	5.1	4.7	-0.4	29	16.72
17-26-mar	20:05:08	588	1.9	2.0	0.1	29	16.71
17-26-mar	21:05:08	589	1.7	1.2	-0.4	29	16.72
17-26-mar	22:05:08	589	0.3	-0.1	-0.5	29	16.71
17-26-mar	23:05:08	588	1.4	0.2	-1.3	29	16.71

Collocated Monitor 2398E

PM₁₀ Sampler Summary

January 1, 2017 - March 31, 2017

Network: Alton Coal Development

Site: Coal Hollow

Sampler ID: Coal Hollow-E

AQS ID:

Sampler Type: BGI FRM Single

Date	Filter ID	Concentration	Concentration	Sample Period (hr:min)	Sample Volume (m3)	Std Volume (m3)	Mass			Flag	Comments	
		(µg/m3) LTP	(µg/m3) STP				Tare (mg)	Gross (mg)	Net (mg)			
01/01/17	P2935448	1.9	2.3	23:59	24.0	20.1	370.369	370.417	0.048			
01/07/17	P2935453	1.9	2.2	23:59	24.0	20.9	372.675	372.721	0.046			
01/13/17	P2935458	1.9	2.3	23:59	24.0	20.3	378.380	378.427	0.047	PI		
01/19/17	P2936216	8.8	10.5	23:59	24.0	20.2	389.881	390.094	0.213	PI		
01/25/17		Invalid - AF	Invalid - AF									
01/31/17	P2936219	Invalid - AG	Invalid - AG	6:29	6.5	5.6	393.251	393.266	0.015	SP,PI		
02/06/17	P2936450	4.5	5.4	24:00	24.0	20.2	385.006	385.115	0.109	HT		
02/12/17	P2936796	2.7	3.1	23:59	24.0	20.3	388.467	388.532	0.065	HT		
02/18/17	P2936803	5.5	6.7	23:59	24.0	19.9	397.835	397.969	0.134	HT		
02/24/17	P2937196	3.8	4.5	23:59	24.0	20.7	391.974	392.067	0.093	HT		
03/02/17	P2937199	16.8	19.7	23:59	24.0	20.5	387.033	387.437	0.404	HT		
03/08/17	P2937203	10.0	12.0	23:59	24.0	20.0	384.945	385.186	0.241	HT		
03/14/17	P2937636	4.3	5.3	23:59	24.0	19.8	386.238	386.343	0.105			
03/20/17	P2938095	24.5	29.9	23:59	24.0	19.7	387.628	388.218	0.590			
03/26/17	P2938100	1.2	1.5	23:59	24.0	20.0	379.573	379.604	0.031			
02/08/17	P2936797	Field Blank						385.193	385.211	0.018		
	# Valid	Recovery	Average	St. Dev.	Max	Min						
	13	87%	8.1	8.3	29.9	1.5						

BGI PQ200 Air Sampling System Downloaded 2017 03 jan 14:04:50

Job Details:

Job Name: 17Jan03E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1429:13
 Flags:

Job Code:
 Site Name: 2398E
 Station Code:
 Operators: KN
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	585	581	582	mmHg
TA	3.4	-2.8	-0.2	°C
Q	---	---	16.7	Lpm

Timer Information:

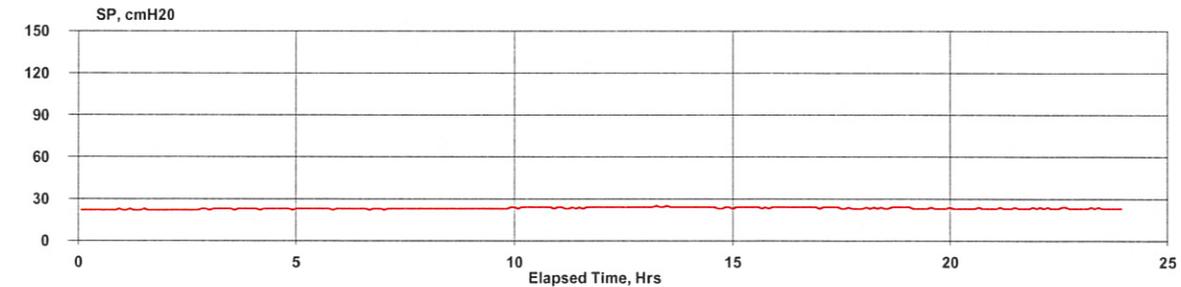
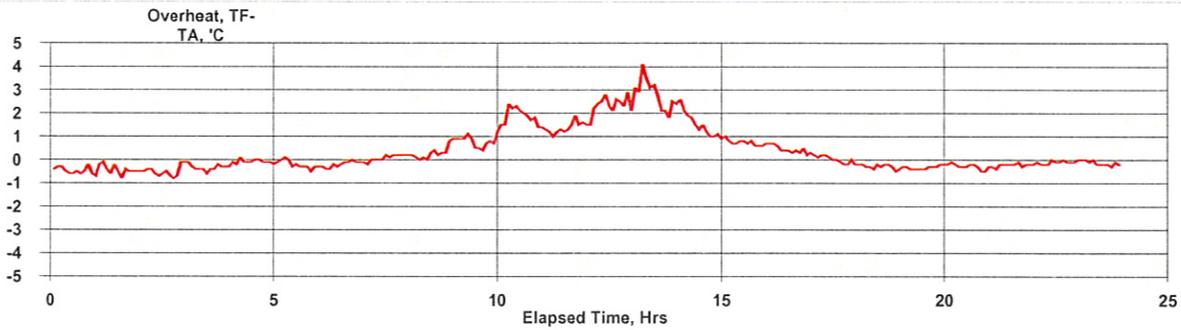
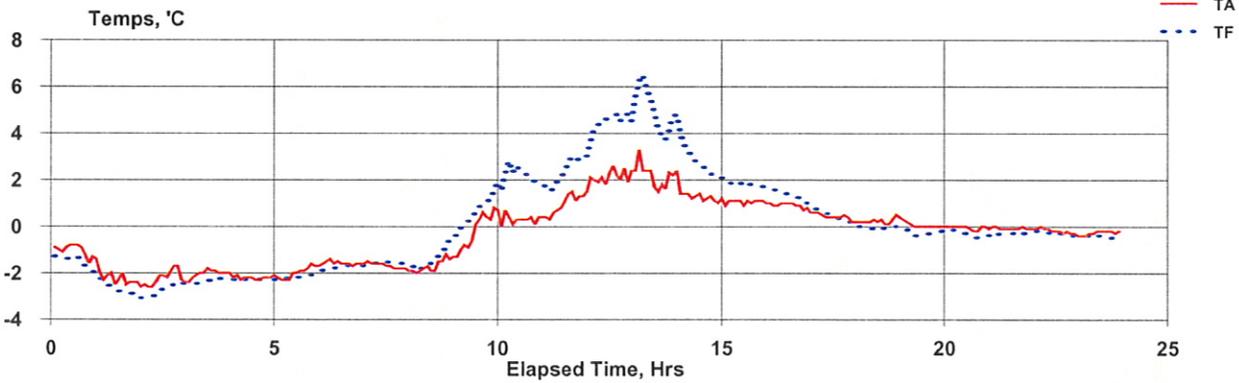
	Date	Time
	dd-mmm	hh:mm:ss
Start:	16-01-jan	0:00:08
Stop:	17-02-jan	0:00:04
ET:	23:59	

Mass Concentration Data:

Filter ID:	13	
Final Wt:		mg
Initial Wt:		mg
Delta Wt:	0.000	mg
Total Vol:	24.039	m ³
Mass Conc:	0	µg/m ³

QCV 0.55 %
 Max overheat 4.4 °C
 occurred 01-jan 13:13:38

Notes 1:
 Notes 2:



Hourly

17-01-jan	0:05:08	584	-1.1	-1.5	-0.5	22	16.71
17-01-jan	1:05:08	584	-2.3	-2.7	-0.4	22	16.71
17-01-jan	2:05:08	583	-2.2	-2.7	-0.5	22	16.71
17-01-jan	3:05:08	583	-2.0	-2.4	-0.3	23	16.71
17-01-jan	4:05:08	583	-2.2	-2.3	-0.1	23	16.71
17-01-jan	5:05:08	582	-2.0	-2.2	-0.2	23	16.71
17-01-jan	6:05:08	582	-1.6	-1.8	-0.2	23	16.71
17-01-jan	7:05:08	583	-1.7	-1.6	0.1	23	16.72
17-01-jan	8:05:08	582	-1.7	-1.4	0.3	23	16.71
17-01-jan	9:05:08	582	-0.1	0.7	0.8	23	16.71
17-01-jan	10:05:08	583	0.3	2.2	1.9	24	16.71
17-01-jan	11:05:08	583	1.0	2.4	1.4	24	16.72
17-01-jan	12:05:08	582	2.2	4.5	2.4	24	16.70
17-01-jan	13:05:08	581	2.2	5.0	2.8	24	16.70
17-01-jan	14:05:08	581	1.3	2.7	1.5	24	16.71
17-01-jan	15:05:08	582	1.1	1.8	0.7	24	16.72
17-01-jan	16:05:08	582	0.9	1.3	0.4	24	16.71
17-01-jan	17:05:08	582	0.4	0.4	0.0	24	16.71
17-01-jan	18:05:08	582	0.3	0.0	-0.3	24	16.71
17-01-jan	19:05:08	582	0.1	-0.3	-0.3	23	16.72
17-01-jan	20:05:08	582	-0.1	-0.3	-0.3	23	16.71
17-01-jan	21:05:08	582	-0.1	-0.3	-0.2	23	16.72
17-01-jan	22:05:08	582	-0.2	-0.3	-0.1	23	16.71
17-01-jan	23:05:08	582	-0.3	-0.4	-0.1	23	16.71

BGI PQ200 Air Sampling System Downloaded 2017 10 jan 14:41:01

Job Details:

Job Name: 17Jan10E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1453:12
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	595	591	593	mmHg
TA	-0.4	-14.8	-5.6	°C
Q	---	---	16.7	Lpm

Timer Information:

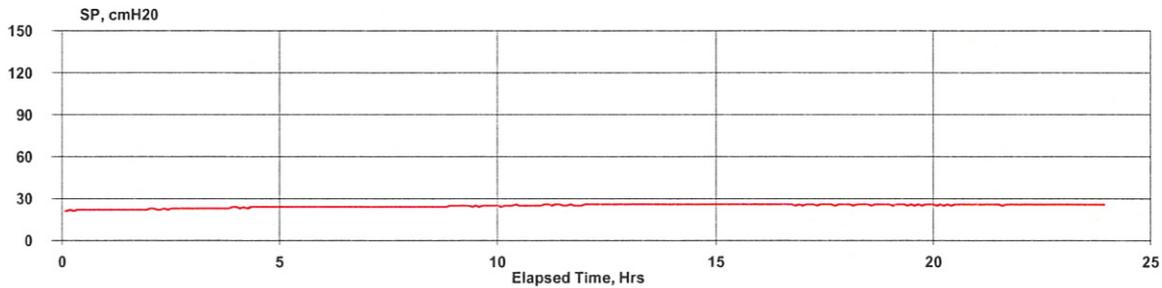
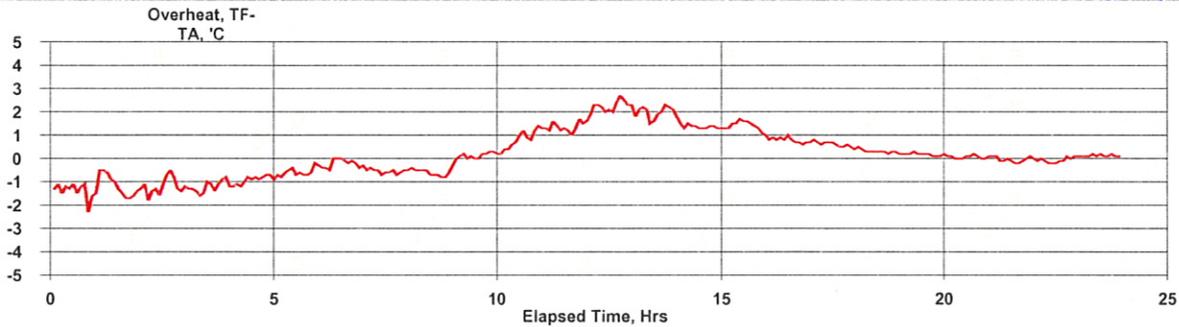
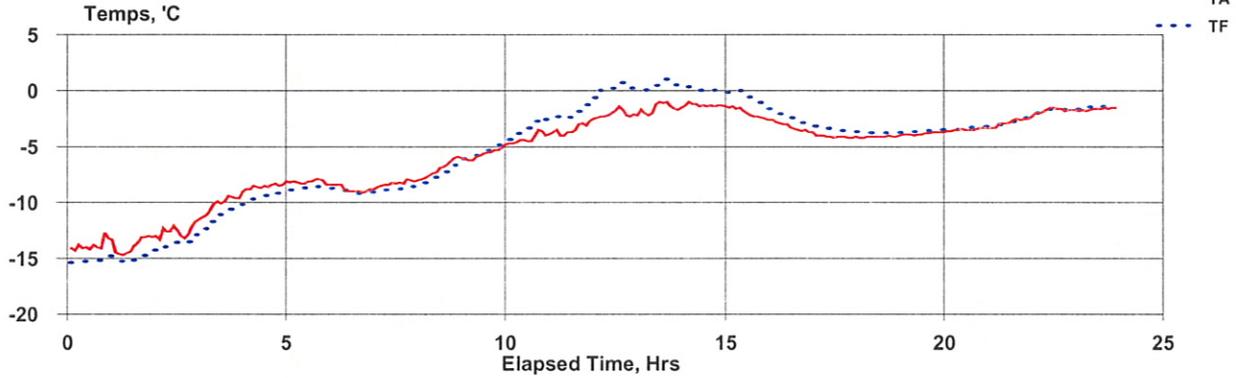
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-07-jan	0:00:08
Stop:	17-08-jan	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	22
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.036 m ³
Mass Conc:	0 µg/m ³

QCV 0.54 %
 Max overheat 3 °C
 occurred 07-jan 12:44:47

Notes 1:
 Notes 2:



Hourly

17-07-jan	0:05:08	592	-13.8	-15.2	-1.4	22	16.71
17-07-jan	1:05:08	592	-13.8	-15.0	-1.2	22	16.71
17-07-jan	2:05:08	592	-12.5	-13.7	-1.2	23	16.70
17-07-jan	3:05:08	592	-10.0	-11.2	-1.2	23	16.71
17-07-jan	4:05:08	592	-8.5	-9.4	-0.9	24	16.71
17-07-jan	5:05:08	592	-8.2	-8.7	-0.6	24	16.70
17-07-jan	6:05:08	593	-8.8	-9.0	-0.2	24	16.72
17-07-jan	7:05:08	593	-8.2	-8.8	-0.6	24	16.70
17-07-jan	8:05:08	593	-6.9	-7.5	-0.6	24	16.71
17-07-jan	9:05:08	594	-5.6	-5.5	0.1	25	16.70
17-07-jan	10:05:08	594	-4.2	-3.4	0.8	25	16.71
17-07-jan	11:05:08	594	-3.4	-2.0	1.4	26	16.70
17-07-jan	12:05:08	594	-2.1	0.2	2.3	26	16.72
17-07-jan	13:05:08	593	-1.5	0.4	2.0	26	16.71
17-07-jan	14:05:08	593	-1.3	0.1	1.4	26	16.71
17-07-jan	15:05:08	593	-2.0	-0.6	1.4	26	16.71
17-07-jan	16:05:08	593	-3.3	-2.5	0.8	26	16.71
17-07-jan	17:05:08	594	-4.1	-3.5	0.6	26	16.71
17-07-jan	18:05:08	594	-4.1	-3.8	0.3	26	16.71
17-07-jan	19:05:08	594	-3.8	-3.6	0.2	26	16.71
17-07-jan	20:05:08	594	-3.5	-3.4	0.1	26	16.70
17-07-jan	21:05:08	594	-2.8	-2.8	0.0	26	16.72
17-07-jan	22:05:08	595	-1.7	-1.8	-0.1	26	16.71
17-07-jan	23:05:08	595	-1.6	-1.5	0.1	26	16.72

BGI PQ200 Air Sampling System Downloaded 2017 17 jan 15:13:33

Job Details:

Job Name: 17Jan17E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1477:11
 Flags: P

Job Code:

Site Name:
 Station Code:
 Operators:

User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	593	587	590	mmHg
TA	9	-5.6	0.4	°C
Q	---	---	16.7	Lpm

Timer Information:

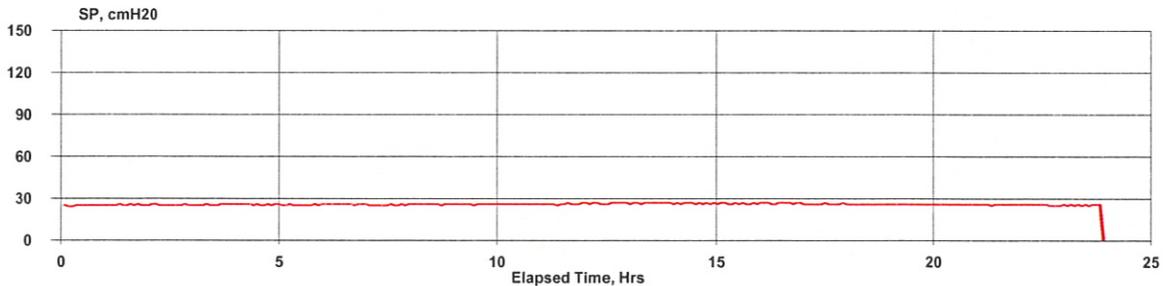
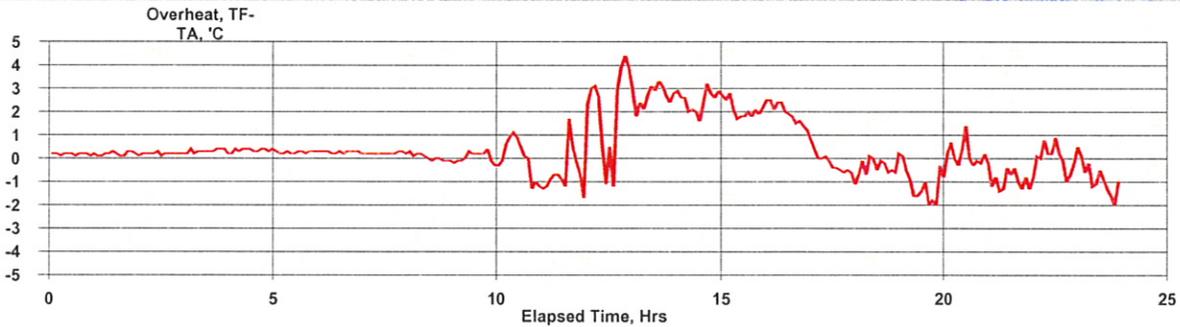
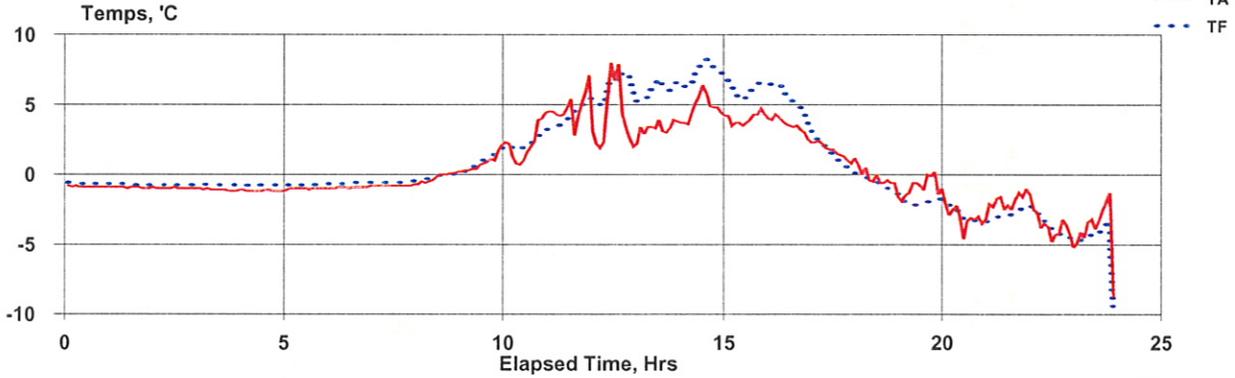
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-13-jan	0:00:08
Stop:	17-14-jan	0:00:04
ET:	23:59	

Mass Concentration Data:

Filter ID:	27
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.037 m ³
Mass Conc:	0 µg/m ³

QCV 0.55 %
 Max overheat 4.4 °C
 occurred 13-jan 12:53:55

Notes 1:
 Notes 2:



Hourly

17-13-jan	0:05:08	588	-0.9	-0.7	0.2	25	16.70
17-13-jan	1:05:08	588	-0.9	-0.8	0.2	25	16.71
17-13-jan	2:05:08	588	-1.0	-0.8	0.2	25	16.71
17-13-jan	3:05:08	589	-1.1	-0.8	0.3	26	16.70
17-13-jan	4:05:08	589	-1.2	-0.8	0.4	26	16.71
17-13-jan	5:05:08	589	-1.0	-0.8	0.3	25	16.71
17-13-jan	6:05:08	589	-0.9	-0.6	0.3	26	16.70
17-13-jan	7:05:08	589	-0.8	-0.6	0.2	25	16.71
17-13-jan	8:05:08	590	-0.2	-0.2	0.0	26	16.71
17-13-jan	9:05:08	591	0.8	0.9	0.1	26	16.70
17-13-jan	10:05:08	591	2.2	2.2	0.0	26	16.71
17-13-jan	11:05:08	591	4.8	4.2	-0.6	26	16.71
17-13-jan	12:05:08	591	4.1	6.2	2.1	27	16.71
17-13-jan	13:05:08	591	3.3	6.0	2.7	27	16.71
17-13-jan	14:05:08	591	4.8	7.2	2.5	27	16.70
17-13-jan	15:05:08	591	4.0	6.1	2.1	26	16.71
17-13-jan	16:05:08	591	3.6	5.5	1.9	27	16.71
17-13-jan	17:05:08	592	1.7	1.6	-0.2	26	16.70
17-13-jan	18:05:08	592	-0.1	-0.5	-0.4	26	16.71
17-13-jan	19:05:08	592	-0.9	-2.0	-1.1	26	16.71
17-13-jan	20:05:08	593	-2.9	-2.8	0.1	26	16.71
17-13-jan	21:05:08	593	-2.0	-2.9	-0.9	26	16.71
17-13-jan	22:05:08	593	-3.5	-3.5	0.0	26	16.71
17-13-jan	23:05:08	593	-3.5	-4.3	-0.8	26	16.72
17-17-jan	9:08:01	590	-8.7	-9.7	-1.0		0.00

BGI PQ200 Air Sampling System Downloaded 2017 27 jan 14:10:43

Job Details:

Job Name: 17Jan27E.JOB
 Version: 5.62
 Serial No: 964
 Pump Time: 6429:18
 Flags:

Job Code:

Site Name: 964C
 Station Code:
 Operators: KN
 User1:
 User2:

	Max	Min	Avg	Units
BP	592	592	592	mmHg
TA	3.2	3.2	3.2	°C
Q	---	---	16.7	Lpm

Timer Information:

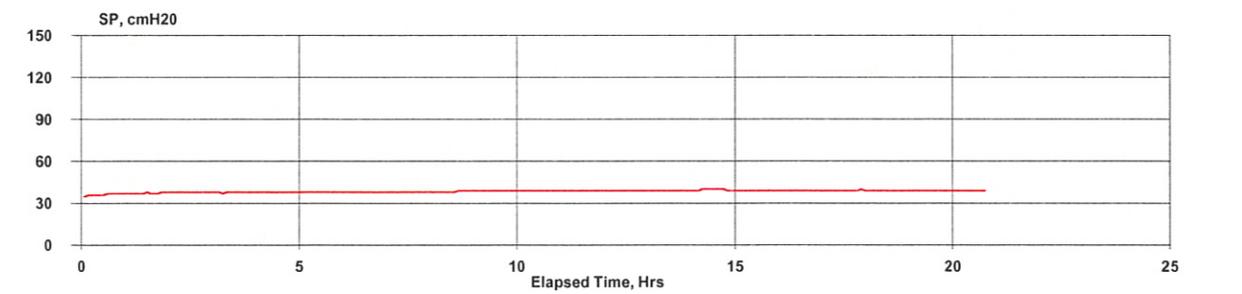
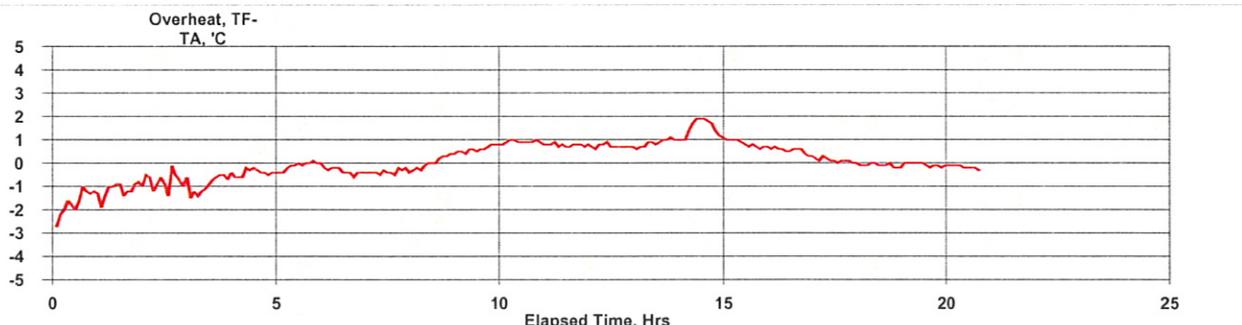
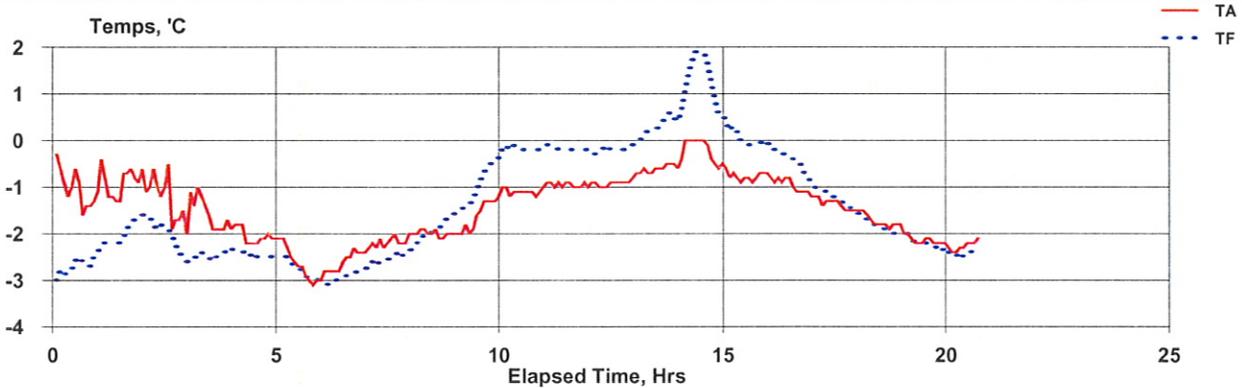
Date: Time
 dd-mmm hh:mm:ss
 Start: 00-00-00:00:00 *
 Stop: 00-00-00:00:00 Code:007
 ET: 20:48

Mass Concentration Data:

Filter ID: 19
 Final Wt: mg
 Initial Wt: mg
 Delta Wt: 0.000 mg
 Total Vol: 20.837 m³
 Mass Conc: 0 µg/m³

QCV 0 %
 Max overheat 0 °C
 occurred 00-00:00:00 *

Notes 1:
 Notes 2:



Hourly

17-19-jan	0:05:08	588	-1.0	-2.7	-1.7	36	16.70
17-19-jan	1:05:08	588	-0.9	-2.0	-1.1	37	16.71
17-19-jan	2:05:08	588	-1.3	-2.0	-0.8	38	16.70
17-19-jan	3:05:08	588	-1.6	-2.5	-0.9	38	16.71
17-19-jan	4:05:08	587	-2.1	-2.5	-0.4	38	16.71
17-19-jan	5:05:08	587	-2.7	-2.8	-0.1	38	16.71
17-19-jan	6:05:08	587	-2.6	-2.9	-0.3	38	16.71
17-19-jan	7:05:08	587	-2.2	-2.5	-0.4	38	16.71
17-19-jan	8:05:08	587	-2.0	-1.9	0.1	38	16.71
17-19-jan	9:05:08	587	-1.6	-1.0	0.6	39	16.72
17-19-jan	10:05:08	587	-1.1	-0.2	0.9	39	16.71
17-19-jan	11:05:08	586	-1.0	-0.2	0.8	39	16.72
17-19-jan	12:05:08	585	-0.9	-0.2	0.7	39	16.71
17-19-jan	13:05:08	585	-0.6	0.3	0.9	39	16.71
17-19-jan	14:05:08	584	-0.2	1.3	1.5	40	16.71
17-19-jan	15:05:08	584	-0.8	0.1	0.8	39	16.72
17-19-jan	16:05:08	584	-1.0	-0.4	0.5	39	16.71
17-19-jan	17:05:08	584	-1.4	-1.3	0.1	39	16.72
17-19-jan	18:05:08	584	-1.7	-1.8	-0.1	39	16.71
17-19-jan	19:05:08	584	-2.1	-2.2	-0.1	39	16.72
17-19-jan	20:05:08	583	-2.3	-2.4	-0.2	39	16.70

BGI PQ200 Air Sampling System Downloaded 2017 01 feb 15:25:38

Job Details:

Job Name: 17Feb01E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1507:39
 Flags: P T

Job Code:
 Site Name: 2398E
 Station Code:
 Operators: KN
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	593	591	592	mmHg
TA	-1.5	-5.8	-3.7	°C
Q	---	---	16.71	Lpm

Timer Information:

	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-31-jan	0:00:08
Stop:	17-01-feb	0:00:13
ET:	6:29	

Mass Concentration Data:

Filter ID:	5
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	6.496 m ³
Mass Conc:	0 µg/m ³

QCV 0.16 %
 Max overheat 1.9 °C
 occurred 01-feb 15:17:29

Notes 1:
 Notes 2:

Hourly

yy-dd-mmm	hh:mm:ss	mmHg	°C	°C	°C	cmH2O	aLpm

BGI PQ200 Air Sampling System Downloaded 2017 02 feb 15:28:35

Job Details:

Job Name: 17Feb02E.JOB
 Version: 5.62
 Serial No: 2366
 Pump Time: 1525:18
 Flags: P

Job Code:

Site Name: 2366D
 Station Code:
 Operators: KN
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	590	589	589	mmHg
TA	6.5	5.3	6.1	°C
Q	---	---	16.7	Lpm

Timer Information:

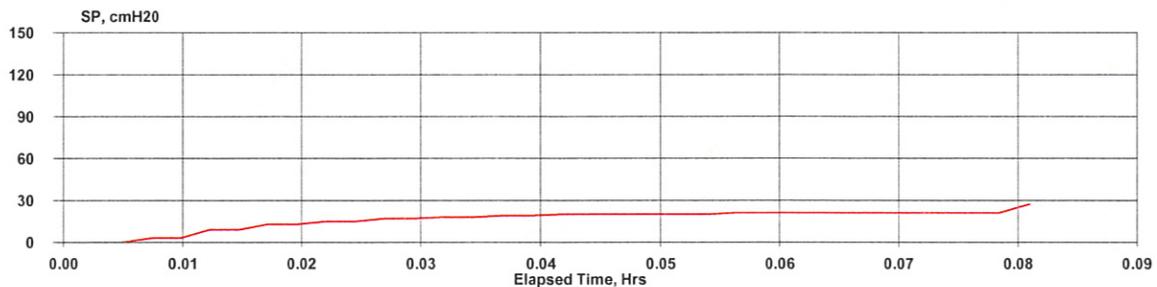
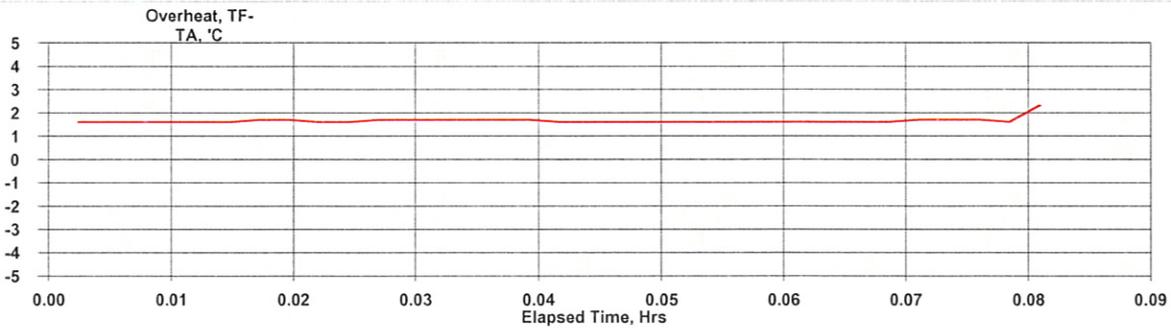
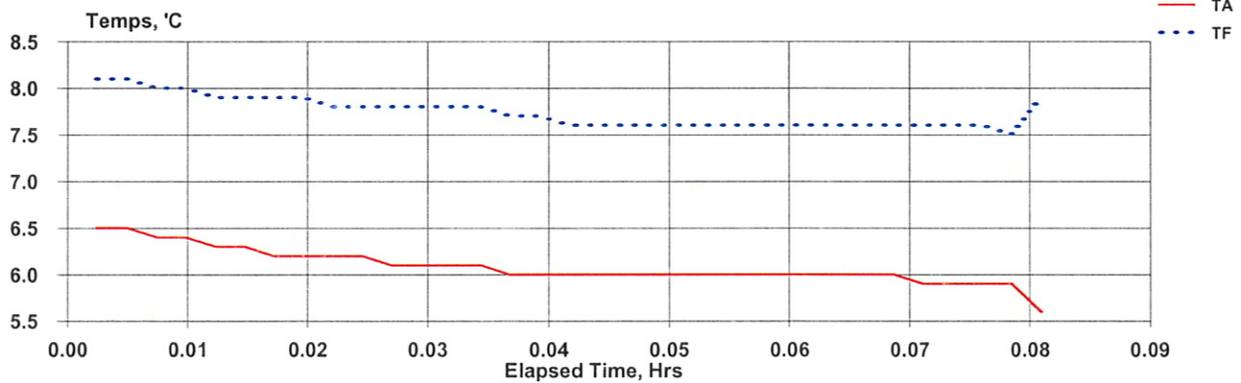
Date	Time
dd-mmm	hh:mm:ss
Start: 17-02-feb	15:19:06
Stop: 17-02-feb	15:24:40
ET: 0:05	

Mass Concentration Data:

Filter ID:	30
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	0.091 m ³
Mass Conc:	0 µg/m ³

QCV 0.15 %
 Max overheat 2.6 °C
 occurred 02-feb 15:21:07

Notes 1:
 Notes 2:



Hourly

17-02-feb	15:19:06	589	6.1	7.7	1.7	17	10.71
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BGI PQ200 Air Sampling System Downloaded 2017 08 feb 15:47:54

Job Details:

Job Name: 17Feb08E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1531:39
 Flags:

Job Code:
 Site Name: 2398E
 Station Code:
 Operators: KN
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	588	585	586	mmHg
TA	2.8	-5.1	0.8	°C
Q	---	---	16.7	Lpm

Timer Information:

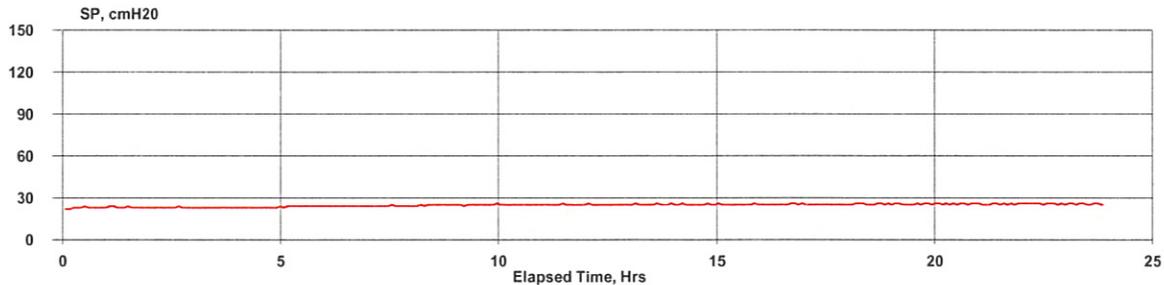
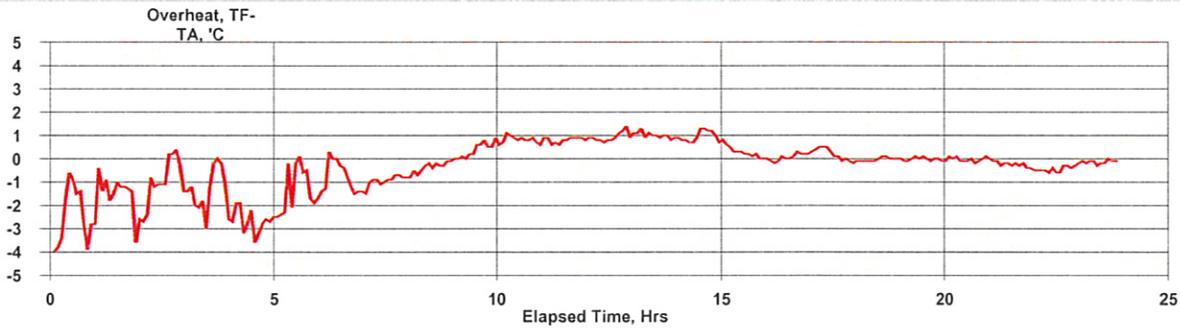
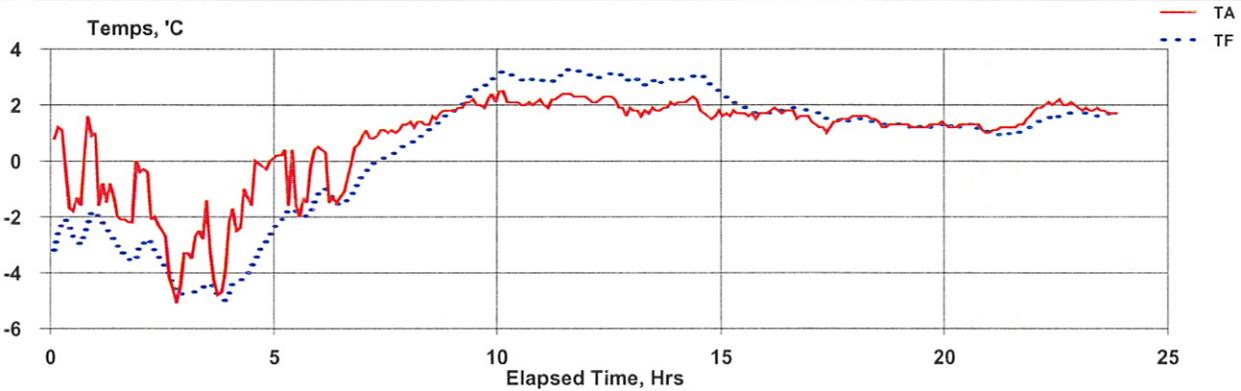
Date	Time
dd-mmm	hh:mm:ss
Start: 17-06-feb	0:00:00
Stop: 17-07-feb	0:00:04
ET: 24:00:00	

Mass Concentration Data:

Filter ID:	5
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.039 m ³
Mass Conc:	0 µg/m ³

QCV 0.56 %
 Max overheat 2.3 °C
 occurred 08-feb 15:35:43

Notes 1:
 Notes 2:



Hourly

17-06-feb	0:05:00	586	0.0	-2.5	-2.5	23	16.72
17-06-feb	1:05:00	586	-1.4	-2.9	-1.5	23	16.72
17-06-feb	2:05:00	586	-2.8	-3.8	-0.9	23	16.71
17-06-feb	3:05:00	586	-3.3	-4.7	-1.4	23	16.70
17-06-feb	4:05:00	585	-0.9	-3.6	-2.7	23	16.71
17-06-feb	5:05:00	586	-0.5	-1.8	-1.3	24	16.71
17-06-feb	6:05:00	586	-0.4	-1.2	-0.8	24	16.71
17-06-feb	7:05:00	586	1.1	0.1	-0.9	24	16.72
17-06-feb	8:05:00	586	1.5	1.2	-0.4	25	16.70
17-06-feb	9:05:00	586	2.1	2.4	0.4	25	16.72
17-06-feb	10:05:00	587	2.2	3.0	0.8	25	16.72
17-06-feb	11:05:00	587	2.3	3.1	0.8	25	16.71
17-06-feb	12:05:00	587	2.1	3.0	0.9	25	16.71
17-06-feb	13:05:00	586	1.8	2.9	1.0	25	16.71
17-06-feb	14:05:00	586	1.9	2.9	1.0	25	16.71
17-06-feb	15:05:00	586	1.7	2.0	0.3	25	16.71
17-06-feb	16:05:00	586	1.7	1.8	0.1	25	16.72
17-06-feb	17:05:00	587	1.4	1.5	0.2	25	16.71
17-06-feb	18:05:00	587	1.4	1.4	0.0	26	16.71
17-06-feb	19:05:00	587	1.3	1.3	0.0	25	16.71
17-06-feb	20:05:00	587	1.2	1.2	0.0	26	16.71
17-06-feb	21:05:00	587	1.2	1.0	-0.2	26	16.71
17-06-feb	22:05:00	587	2.0	1.6	-0.5	26	16.70
17-06-feb	23:05:00	587	1.8	1.6	-0.2	26	16.71

BGI PQ200 Air Sampling System Downloaded 2017 14 feb 13:10:06

Job Details:

Job Name: 17Feb14E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1555:38
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	594	590	592	mmHg
TA	4.3	-0.2	1.4	°C
Q	---	---	16.7	Lpm

Timer Information:

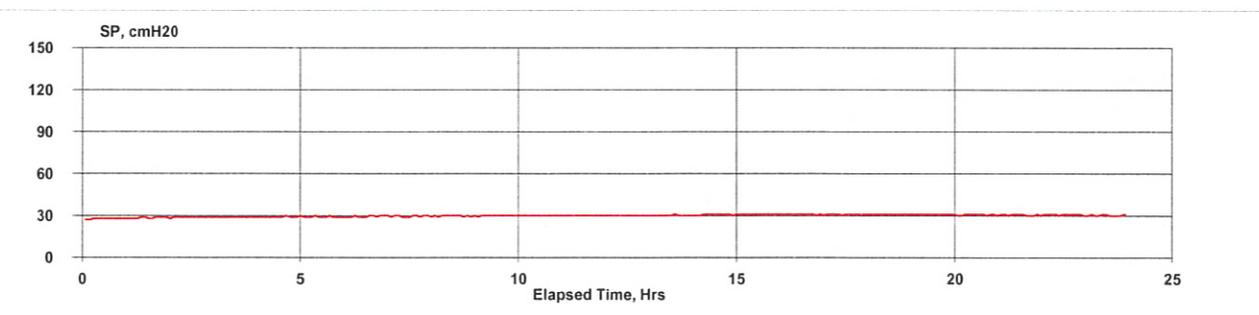
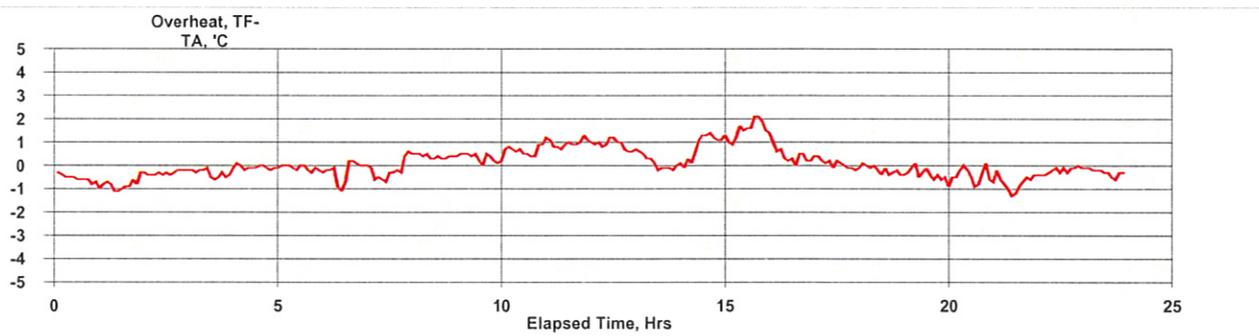
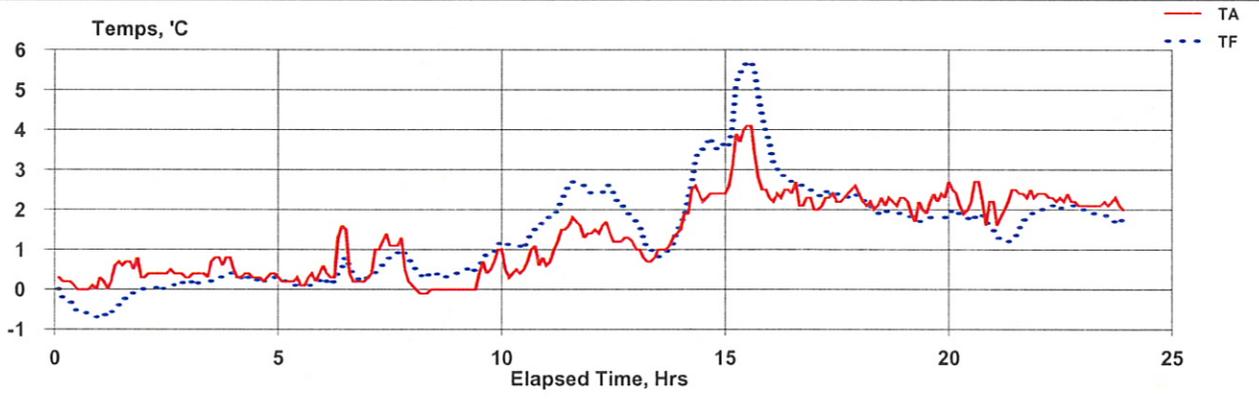
Date	Time
dd-mmm	hh:mm:ss
Start: 17-12-feb	0:00:08
Stop: 17-13-feb	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	22
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.04 m ³
Mass Conc:	0 µg/m ³

QCV 0.52 %
 Max overheat 2.4 °C
 occurred 12-feb 15:41:40

Notes 1:
 Notes 2:



Hourly

17-12-feb	0:05:08	592	0.1	-0.5	-0.6	28	16.71
17-12-feb	1:05:08	592	0.5	-0.3	-0.8	29	16.71
17-12-feb	2:05:08	592	0.4	0.1	-0.3	29	16.72
17-12-feb	3:05:08	592	0.6	0.3	-0.3	29	16.71
17-12-feb	4:05:08	592	0.3	0.3	-0.1	29	16.71
17-12-feb	5:05:08	592	0.3	0.2	-0.1	29	16.71
17-12-feb	6:05:08	592	0.6	0.4	-0.2	30	16.71
17-12-feb	7:05:08	593	0.9	0.7	-0.2	30	16.70
17-12-feb	8:05:08	593	0.0	0.4	0.4	30	16.72
17-12-feb	9:05:08	593	0.4	0.7	0.3	30	16.71
17-12-feb	10:05:08	594	0.6	1.3	0.7	30	16.70
17-12-feb	11:05:08	594	1.4	2.4	1.0	30	16.71
17-12-feb	12:05:08	594	1.3	2.2	0.9	30	16.71
17-12-feb	13:05:08	593	1.0	1.1	0.1	30	16.71
17-12-feb	14:05:08	592	2.3	3.2	0.9	31	16.71
17-12-feb	15:05:08	592	3.3	4.8	1.5	31	16.71
17-12-feb	16:05:08	592	2.3	2.7	0.4	31	16.71
17-12-feb	17:05:08	592	2.3	2.4	0.1	31	16.71
17-12-feb	18:05:08	593	2.2	2.0	-0.2	31	16.72
17-12-feb	19:05:08	593	2.2	1.8	-0.4	31	16.71
17-12-feb	20:05:08	592	2.2	1.8	-0.4	31	16.71
17-12-feb	21:05:08	592	2.2	1.5	-0.7	31	16.71
17-12-feb	22:05:08	592	2.3	2.1	-0.2	31	16.71
17-12-feb	23:05:08	592	2.1	1.8	-0.3	30	16.70

BGI PQ200 Air Sampling System Downloaded 2017 21 feb 12:53:38

Job Details:

Job Name: 17Feb21E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1579:37
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	583	580	581	mmHg
TA	4.4	0.5	2.5	°C
Q	---	---	16.71	Lpm

Timer Information:

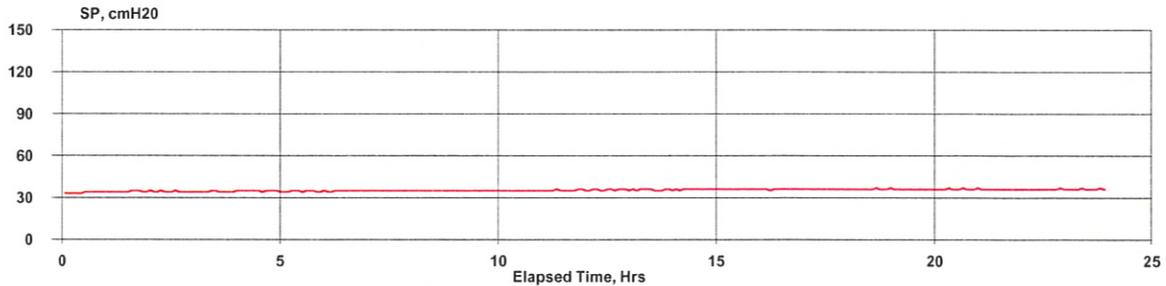
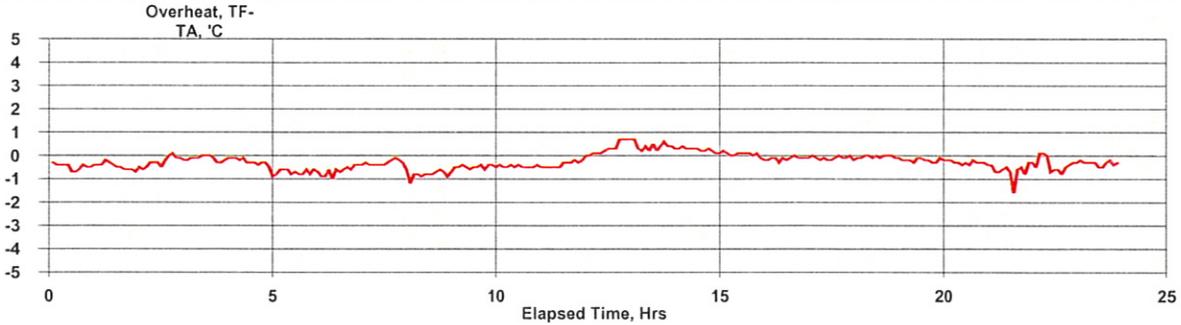
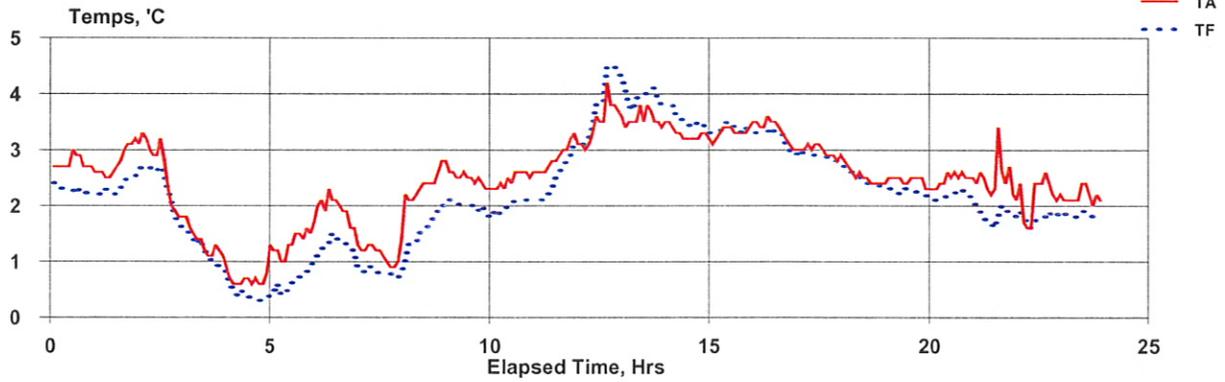
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-18-feb	0:00:08
Stop:	17-19-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	37
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.038 m ³
Mass Conc:	0 µg/m ³

QCV 0.49 %
 Max overheat 2.4 °C
 occurred 19-feb 16:07:46

Notes 1:
 Notes 2:



Hourly

17-18-feb	0:05:08	583	2.8	2.3	-0.5	34	16.71
17-18-feb	1:05:08	583	2.8	2.3	-0.5	34	16.72
17-18-feb	2:05:08	582	2.6	2.3	-0.3	34	16.71
17-18-feb	3:05:08	582	1.3	1.2	-0.1	34	16.71
17-18-feb	4:05:08	582	0.7	0.4	-0.3	35	16.71
17-18-feb	5:05:08	582	1.4	0.7	-0.7	35	16.71
17-18-feb	6:05:08	582	1.9	1.3	-0.6	35	16.70
17-18-feb	7:05:08	582	1.1	0.8	-0.3	35	16.72
17-18-feb	8:05:08	582	2.4	1.6	-0.8	35	16.71
17-18-feb	9:05:08	582	2.5	2.0	-0.5	35	16.72
17-18-feb	10:05:08	582	2.5	2.0	-0.5	35	16.71
17-18-feb	11:05:08	582	2.9	2.5	-0.3	35	16.71
17-18-feb	12:05:08	581	3.5	3.9	0.4	36	16.71
17-18-feb	13:05:08	581	3.6	3.9	0.4	36	16.70
17-18-feb	14:05:08	581	3.3	3.5	0.3	36	16.73
17-18-feb	15:05:08	581	3.3	3.4	0.0	36	16.71
17-18-feb	16:05:08	581	3.3	3.2	-0.1	36	16.72
17-18-feb	17:05:08	581	3.0	2.9	-0.1	36	16.70
17-18-feb	18:05:08	581	2.5	2.5	-0.1	36	16.71
17-18-feb	19:05:08	581	2.5	2.3	-0.2	36	16.71
17-18-feb	20:05:08	581	2.5	2.2	-0.3	36	16.72
17-18-feb	21:05:08	581	2.5	1.8	-0.6	36	16.71
17-18-feb	22:05:08	582	2.2	1.8	-0.4	36	16.71
17-18-feb	23:05:08	582	2.2	1.8	-0.3	36	16.71

BGI PQ200 Air Sampling System Downloaded 2017 27 feb 15:22:14

Job Details:

Job Name: 17Feb27E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1603:36
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	589	583	586	mmHg
TA	-0.4	-10.5	-5.8	°C
Q	---	---	16.7	Lpm

Timer Information:

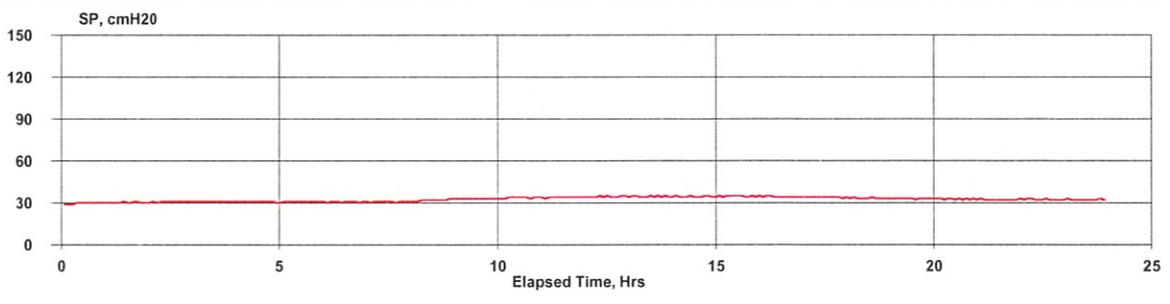
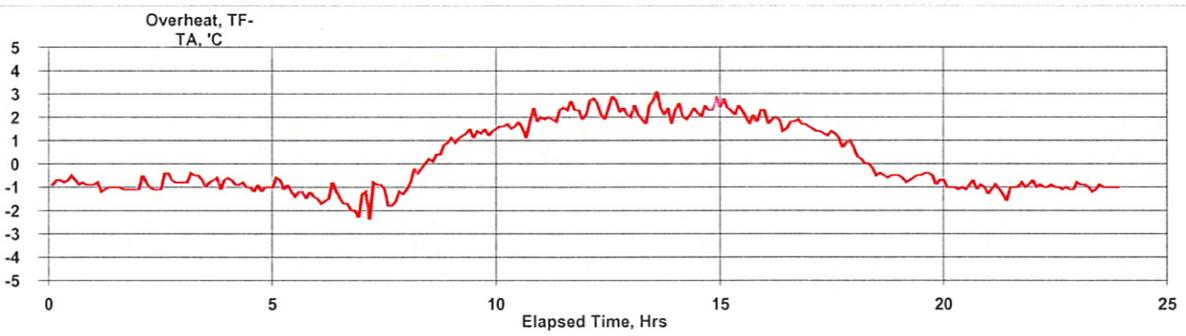
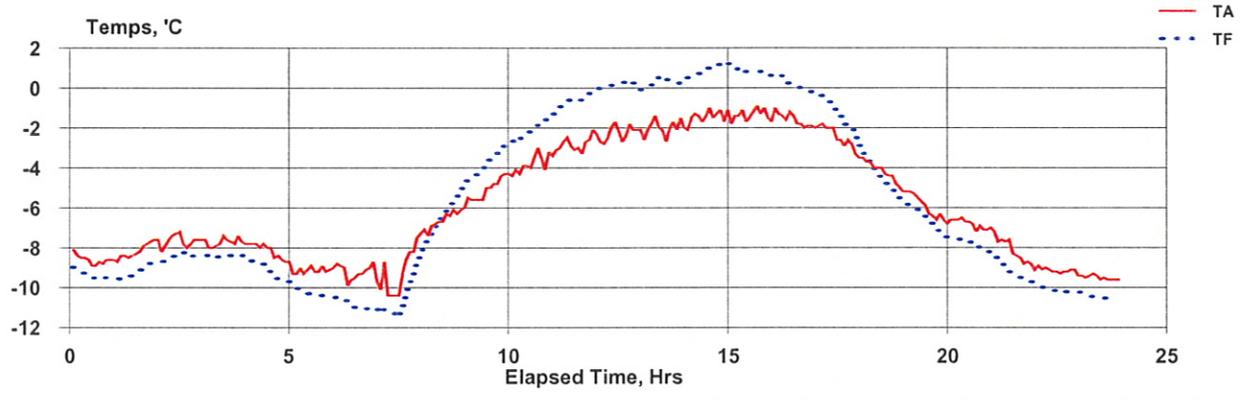
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-24-feb	0:00:08
Stop:	17-25-feb	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	45
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.039 m ³
Mass Conc:	0 µg/m ³

QCV 0.53 %
 Max overheat 3.4 °C
 occurred 24-feb 12:34:24

Notes 1:
 Notes 2:



Hourly

17-24-feb	0:05:08	584	-8.6	-9.4	-0.8	30	16.71
17-24-feb	1:05:08	584	-8.1	-9.2	-1.1	30	16.71
17-24-feb	2:05:08	584	-7.7	-8.5	-0.8	31	16.70
17-24-feb	3:05:08	584	-7.7	-8.4	-0.7	31	16.71
17-24-feb	4:05:08	584	-8.2	-9.1	-1.0	31	16.72
17-24-feb	5:05:08	585	-9.1	-10.3	-1.2	31	16.71
17-24-feb	6:05:08	585	-9.2	-10.8	-1.6	31	16.72
17-24-feb	7:05:08	586	-9.1	-10.5	-1.3	31	16.71
17-24-feb	8:05:08	586	-6.6	-6.4	0.2	32	16.70
17-24-feb	9:05:08	587	-5.0	-3.8	1.3	33	16.71
17-24-feb	10:05:08	587	-3.8	-2.1	1.7	34	16.70
17-24-feb	11:05:08	587	-2.8	-0.6	2.2	34	16.71
17-24-feb	12:05:08	587	-2.3	0.1	2.4	34	16.71
17-24-feb	13:05:08	587	-2.0	0.3	2.3	34	16.72
17-24-feb	14:05:08	587	-1.4	0.9	2.3	34	16.70
17-24-feb	15:05:08	587	-1.4	0.8	2.2	35	16.71
17-24-feb	16:05:08	587	-1.6	0.1	1.7	34	16.71
17-24-feb	17:05:08	587	-2.5	-1.3	1.2	34	16.70
17-24-feb	18:05:08	588	-4.3	-4.5	-0.3	33	16.71
17-24-feb	19:05:08	588	-6.0	-6.6	-0.6	33	16.71
17-24-feb	20:05:08	588	-6.8	-7.8	-1.0	33	16.71
17-24-feb	21:05:08	588	-8.2	-9.2	-1.0	32	16.72
17-24-feb	22:05:08	589	-9.2	-10.1	-1.0	32	16.71
17-24-feb	23:05:08	588	-9.5	-10.5	-1.0	32	16.71

BGI PQ200 Air Sampling System Downloaded 2017 03 mar 13:59:36

Job Details:

Job Name: 17Mar03E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1627:35
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	597	594	595	mmHg
TA	9.6	-6.4	0.8	°C
Q	---	---	16.7	Lpm

Timer Information:

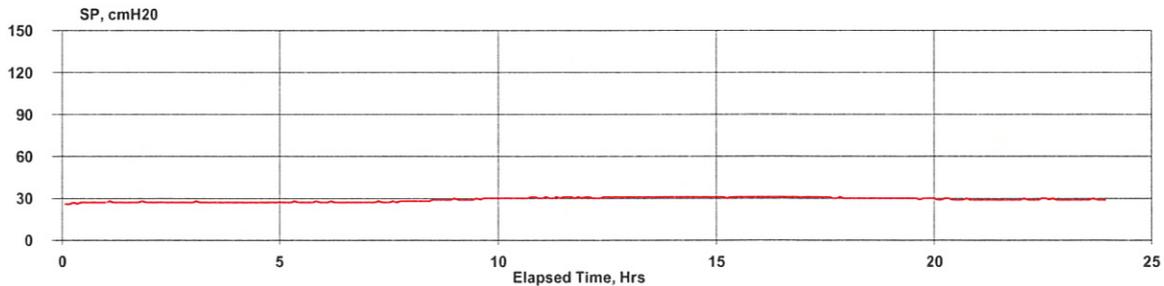
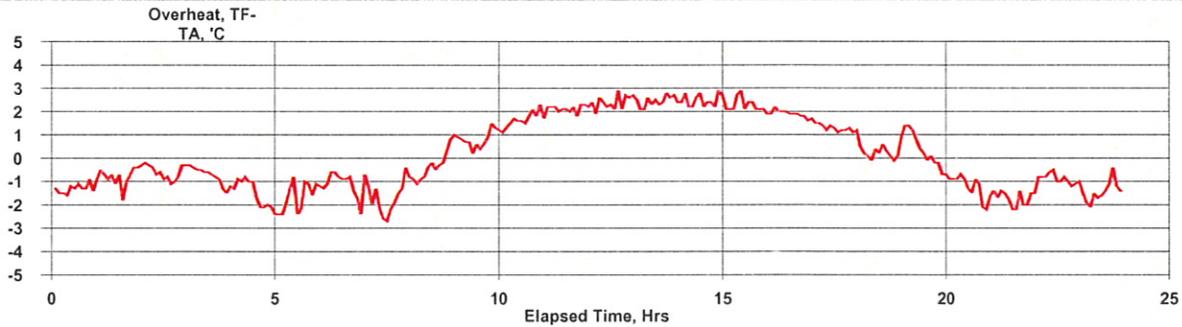
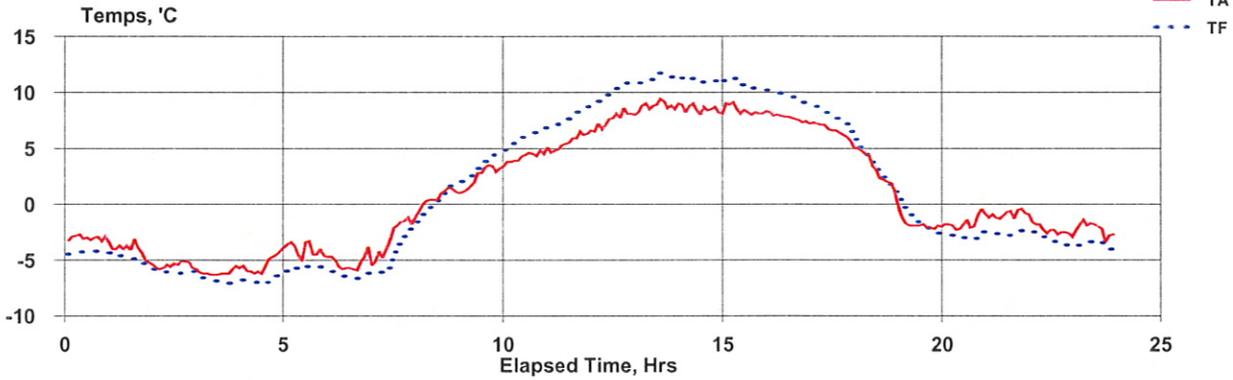
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-02-mar	0:00:08
Stop:	17-03-mar	0:00:04
ET:	23:59	

Mass Concentration Data:

Filter ID:	50
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.036 m ³
Mass Conc:	0 µg/m ³

QCV 0.45 %
 Max overheat 3.4 °C
 occurred 02-mar 13:51:39

Notes 1:
Notes 2:



Hourly

17-02-mar	0:05:05	596	-3.0	-4.3	-1.3	27	16.71
17-02-mar	1:05:05	596	-4.2	-5.0	-0.8	27	16.70
17-02-mar	2:05:05	596	-5.5	-6.1	-0.6	27	16.72
17-02-mar	3:05:05	595	-6.1	-6.9	-0.8	27	16.71
17-02-mar	4:05:05	596	-5.3	-6.8	-1.5	27	16.71
17-02-mar	5:05:05	596	-4.1	-5.7	-1.6	27	16.71
17-02-mar	6:05:05	596	-5.3	-6.4	-1.1	27	16.71
17-02-mar	7:05:05	596	-2.7	-4.4	-1.7	28	16.71
17-02-mar	8:05:05	597	0.7	0.4	-0.3	29	16.71
17-02-mar	9:05:05	597	2.6	3.4	0.8	30	16.71
17-02-mar	10:05:05	597	4.3	6.0	1.7	30	16.71
17-02-mar	11:05:05	597	5.7	7.8	2.1	31	16.71
17-02-mar	12:05:05	597	7.6	10.0	2.4	31	16.72
17-02-mar	13:05:05	596	8.8	11.3	2.4	31	16.69
17-02-mar	14:05:05	596	8.5	11.0	2.5	31	16.70
17-02-mar	15:05:05	596	8.4	10.7	2.3	31	16.71
17-02-mar	16:05:05	595	7.7	9.6	1.9	31	16.70
17-02-mar	17:05:05	595	6.5	7.8	1.3	31	16.70
17-02-mar	18:05:05	595	2.9	3.2	0.3	30	16.71
17-02-mar	19:05:05	595	-1.9	-1.6	0.3	30	16.70
17-02-mar	20:05:05	595	-1.6	-2.9	-1.3	29	16.70
17-02-mar	21:05:05	595	-0.9	-2.6	-1.7	29	16.70
17-02-mar	22:05:05	595	-2.3	-3.2	-0.9	29	16.71
17-02-mar	23:05:05	595	-2.2	-3.6	-1.4	29	16.72

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 10:00:15

Job Details:

Job Name: 17Mar16E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1675:33
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: ~~~~~~
 User2: ~~~~~~

	Max	Min	Avg	Units
BP	596	592	594	mmHg
TA	21.5	1.6	10.4	°C
Q	---	---	16.7	Lpm

Timer Information:

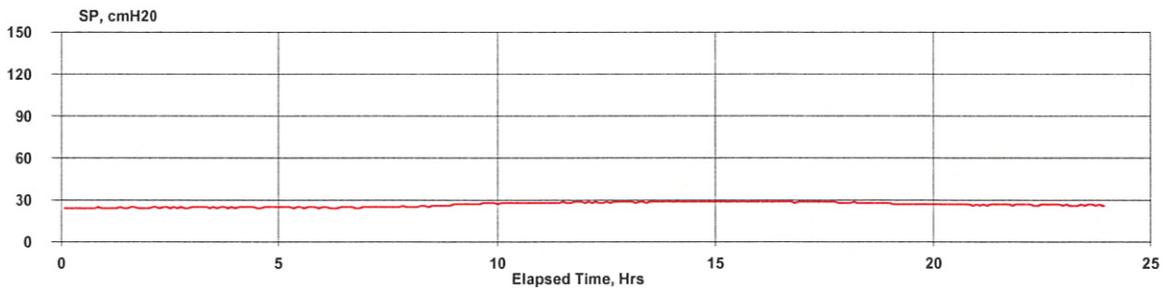
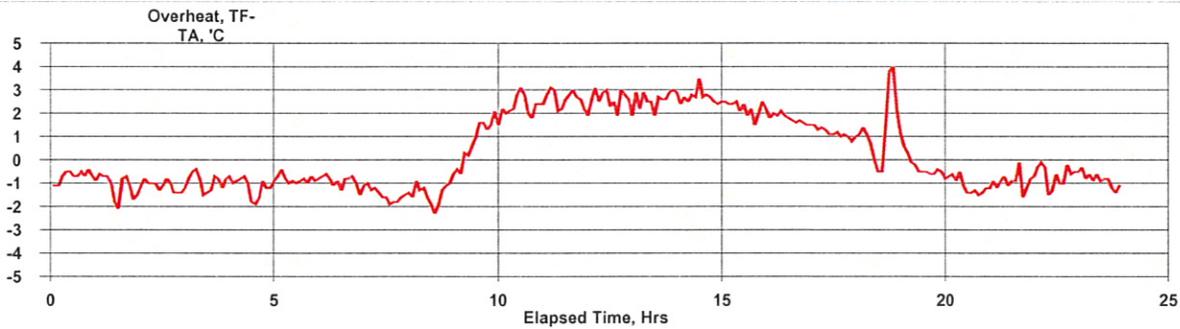
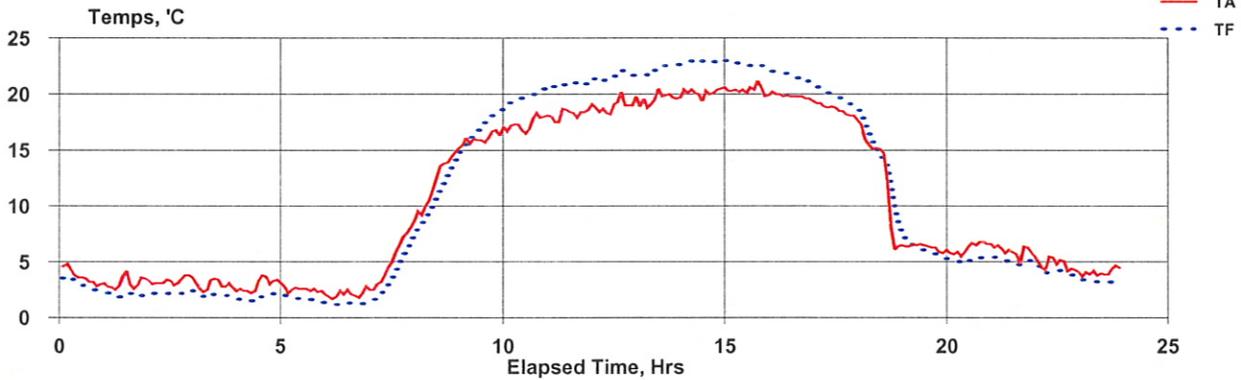
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-14-mar	0:00:08
Stop:	17-15-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	9
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.034 m ³
Mass Conc:	0 µg/m ³

QCV 0.45 %
 Max overheat 4.4 °C
 occurred 14-mar 18:45:58

Notes 1:
 Notes 2:



Hourly

17-14-mar	0:05:08	594	3.6	2.9	-0.7	24	16.71
17-14-mar	1:05:08	594	3.1	2.0	-1.2	24	16.71
17-14-mar	2:05:08	594	3.3	2.2	-1.1	25	16.72
17-14-mar	3:05:08	594	2.9	2.0	-0.9	25	16.72
17-14-mar	4:05:08	594	3.0	1.8	-1.2	25	16.70
17-14-mar	5:05:08	594	2.5	1.7	-0.8	25	16.71
17-14-mar	6:05:08	594	2.2	1.2	-0.9	25	16.70
17-14-mar	7:05:08	595	5.5	4.0	-1.5	25	16.70
17-14-mar	8:05:08	595	12.4	11.0	-1.4	26	16.70
17-14-mar	9:05:08	595	16.1	17.0	0.9	27	16.71
17-14-mar	10:05:08	595	17.4	19.8	2.4	28	16.71
17-14-mar	11:05:08	595	18.3	20.9	2.6	28	16.71
17-14-mar	12:05:08	595	19.0	21.6	2.6	29	16.70
17-14-mar	13:05:08	594	19.6	22.2	2.6	29	16.70
17-14-mar	14:05:08	594	20.2	22.9	2.7	29	16.70
17-14-mar	15:05:08	594	20.4	22.6	2.2	29	16.71
17-14-mar	16:05:08	594	19.8	21.6	1.8	29	16.70
17-14-mar	17:05:08	594	18.6	19.7	1.2	29	16.70
17-14-mar	18:05:08	594	12.3	13.7	1.3	28	16.71
17-14-mar	19:05:08	594	6.3	6.0	-0.3	27	16.71
17-14-mar	20:05:08	594	6.3	5.2	-1.1	27	16.71
17-14-mar	21:05:08	594	6.0	5.0	-0.9	27	16.71
17-14-mar	22:05:08	594	4.7	4.1	-0.7	27	16.71
17-14-mar	23:05:08	594	4.1	3.2	-0.9	26	16.70

BGI PQ200 Air Sampling System Downloaded 2017 16 mar 10:00:15

Job Details:

Job Name: 17Mar16E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1675:33
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	596	592	594	mmHg
TA	21.5	1.6	10.4	°C
Q	---	---	16.7	Lpm

Timer Information:

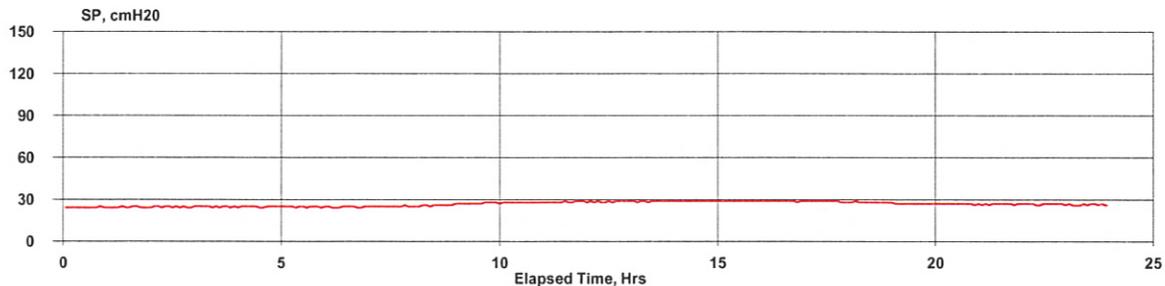
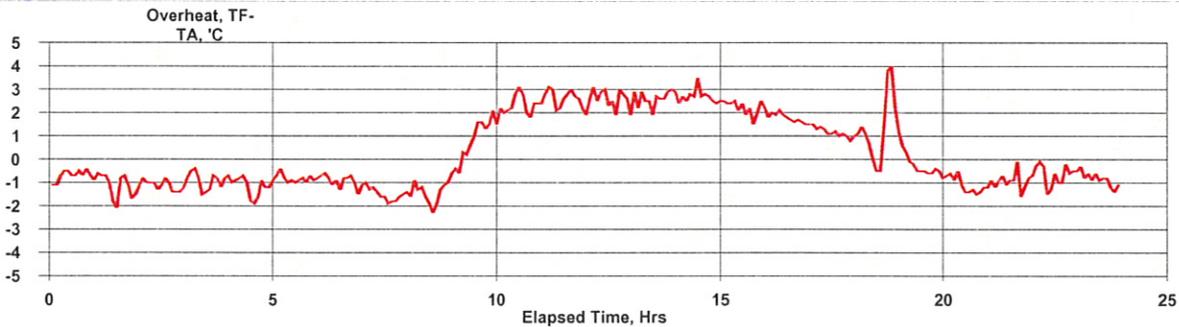
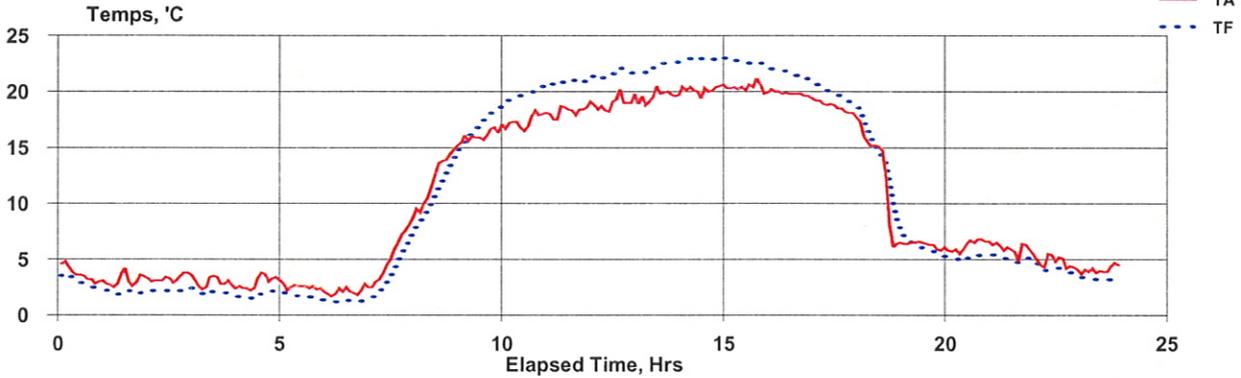
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-14-mar	0:00:08
Stop:	17-15-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	9
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.034 m ³
Mass Conc:	0 µg/m ³

QCV 0.45 %
 Max overheat 4.4 °C
 occurred 14-mar 18:45:58

Notes 1:
 Notes 2:



Hourly

17-14-mar	0:05:08	594	3.6	2.9	-0.7	24	16.71
17-14-mar	1:05:08	594	3.1	2.0	-1.2	24	16.71
17-14-mar	2:05:08	594	3.3	2.2	-1.1	25	16.72
17-14-mar	3:05:08	594	2.9	2.0	-0.9	25	16.72
17-14-mar	4:05:08	594	3.0	1.8	-1.2	25	16.70
17-14-mar	5:05:08	594	2.5	1.7	-0.8	25	16.71
17-14-mar	6:05:08	594	2.2	1.2	-0.9	25	16.70
17-14-mar	7:05:08	595	5.5	4.0	-1.5	25	16.70
17-14-mar	8:05:08	595	12.4	11.0	-1.4	26	16.70
17-14-mar	9:05:08	595	16.1	17.0	0.9	27	16.71
17-14-mar	10:05:08	595	17.4	19.8	2.4	28	16.71
17-14-mar	11:05:08	595	18.3	20.9	2.6	28	16.71
17-14-mar	12:05:08	595	19.0	21.6	2.6	29	16.70
17-14-mar	13:05:08	594	19.6	22.2	2.6	29	16.70
17-14-mar	14:05:08	594	20.2	22.9	2.7	29	16.70
17-14-mar	15:05:08	594	20.4	22.6	2.2	29	16.71
17-14-mar	16:05:08	594	19.8	21.6	1.8	29	16.70
17-14-mar	17:05:08	594	18.6	19.7	1.2	29	16.70
17-14-mar	18:05:08	594	12.3	13.7	1.3	28	16.71
17-14-mar	19:05:08	594	6.3	6.0	-0.3	27	16.71
17-14-mar	20:05:08	594	6.3	5.2	-1.1	27	16.71
17-14-mar	21:05:08	594	6.0	5.0	-0.9	27	16.71
17-14-mar	22:05:08	594	4.7	4.1	-0.7	27	16.71
17-14-mar	23:05:08	594	4.1	3.2	-0.9	26	16.70

BGI PQ200 Air Sampling System Downloaded 2017 24 mar 08:50:46

Job Details:

Job Name: 17Mar24E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1699:32
 Flags:

Job Code:
 Site Name:
 Station Code:
 Operators:
 User1: ~~~~~
 User2: ~~~~~

	Max	Min	Avg	Units
BP	594	590	592	mmHg
TA	19.4	0.7	9.9	°C
Q	---	---	16.7	Lpm

Timer Information:

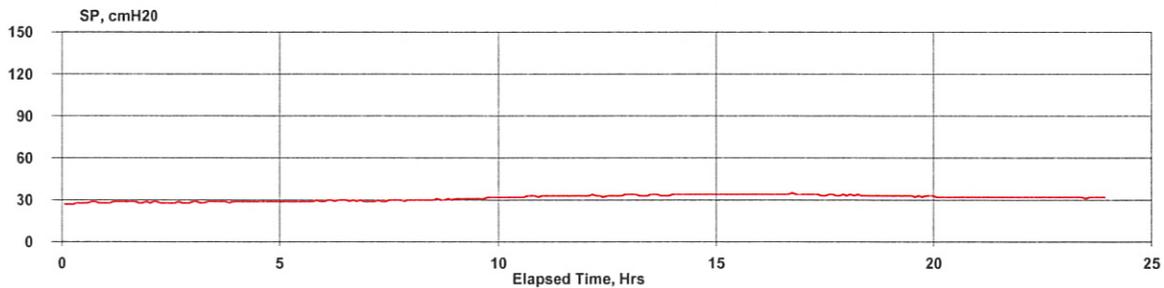
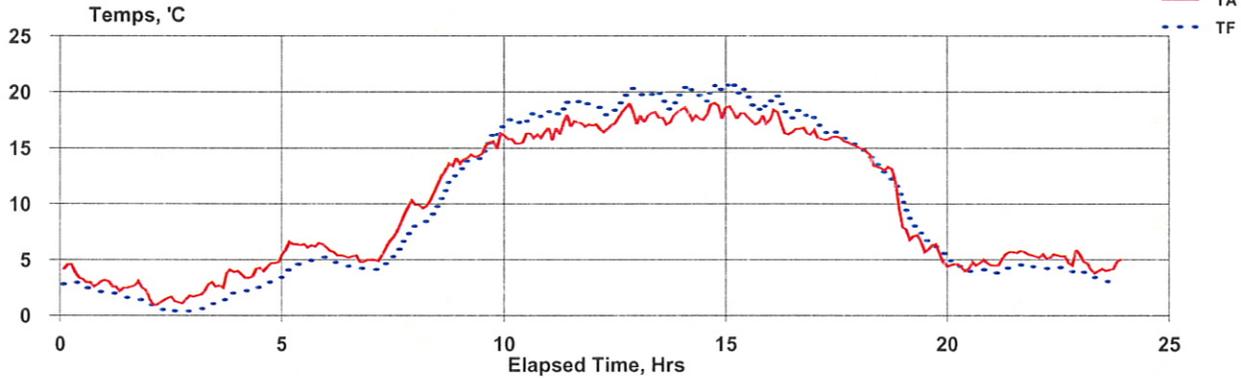
Date	Time
dd-mmm	hh:mm:ss
Start: 17-20-mar	0:00:08
Stop: 17-21-mar	0:00:05
ET: 23:59	

Mass Concentration Data:

Filter ID:	18
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.038 m ³
Mass Conc:	0 µg/m ³

QCV: 0.55 %
 Max overheat: 3.8 °C
 occurred 21-mar 20:13:21

Notes 1:
 Notes 2:



Hourly

17-20-mar	0:05:08	593	3.5	2.6	-0.9	28	16.70
17-20-mar	1:05:08	593	2.5	1.6	-0.9	29	16.71
17-20-mar	2:05:08	593	1.4	0.5	-0.9	28	16.70
17-20-mar	3:05:08	593	2.9	1.2	-1.8	29	16.71
17-20-mar	4:05:08	592	4.2	2.7	-1.6	29	16.71
17-20-mar	5:05:08	593	6.3	4.7	-1.6	29	16.71
17-20-mar	6:05:08	593	5.3	4.4	-0.8	30	16.71
17-20-mar	7:05:08	593	7.5	5.7	-1.8	30	16.70
17-20-mar	8:05:08	593	11.9	10.3	-1.6	30	16.72
17-20-mar	9:05:08	593	14.9	14.9	0.0	31	16.70
17-20-mar	10:05:08	593	16.0	17.7	1.7	32	16.70
17-20-mar	11:05:08	593	17.0	18.7	1.7	33	16.70
17-20-mar	12:05:08	593	17.5	18.9	1.4	33	16.71
17-20-mar	13:05:08	592	17.8	19.5	1.7	34	16.71
17-20-mar	14:05:08	592	18.2	20.0	1.9	34	16.70
17-20-mar	15:05:08	592	17.7	19.5	1.7	34	16.71
17-20-mar	16:05:08	591	16.8	18.3	1.5	34	16.70
17-20-mar	17:05:08	591	15.6	16.0	0.4	34	16.71
17-20-mar	18:05:08	591	12.7	13.0	0.2	33	16.70
17-20-mar	19:05:08	591	6.2	7.0	0.8	33	16.71
17-20-mar	20:05:08	591	4.5	4.2	-0.3	32	16.71
17-20-mar	21:05:08	591	5.4	4.3	-1.1	32	16.71
17-20-mar	22:05:08	591	5.3	4.2	-1.1	32	16.71
17-20-mar	23:05:08	591	4.3	3.3	-1.0	32	16.71

BGI PQ200 Air Sampling System Downloaded 2017 27 mar 09:59:01

Job Details:

Job Name: 17Mar27E.JOB
 Version: 5.62
 Serial No: 2398
 Pump Time: 1723:31
 Flags:

Job Code:

Site Name:
 Station Code:
 Operators:

User1: yyyyyyyyyyyyyyyyyyyyyyyyyyyyyyy
 User2: yyyyyyyyyyyyyyyyyyyyyyyyyyy

	Max	Min	Avg	Units
BP	589	586	587	mmHg
TA	11.6	-3.3	4	°C
Q	---	---	16.7	Lpm

Timer Information:

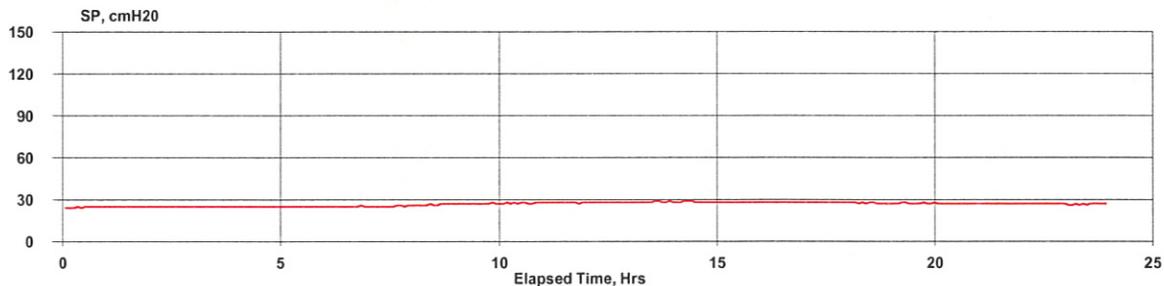
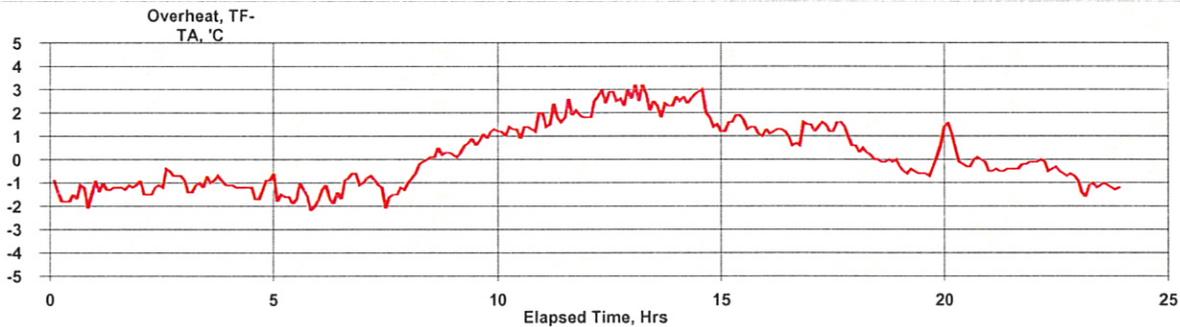
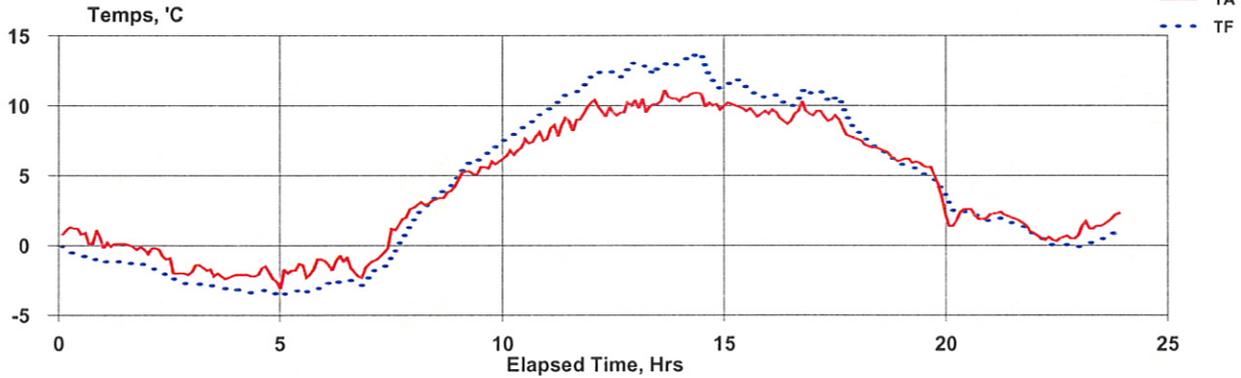
	Date	Time
	dd-mmm	hh:mm:ss
Start:	17-26-mar	0:00:08
Stop:	17-27-mar	0:00:05
ET:	23:59	

Mass Concentration Data:

Filter ID:	23
Final Wt:	mg
Initial Wt:	mg
Delta Wt:	0.000 mg
Total Vol:	24.036 m ³
Mass Conc:	0 µg/m ³

QCV 0.5 %
 Max overheat 3.5 °C
 occurred 26-mar 13:05:17

Notes 1:
 Notes 2:



Hourly

17-26-mar	0:05:08	587	0.8	-0.7	-1.5	25	16.71
17-26-mar	1:05:08	587	-0.1	-1.3	-1.2	25	16.71
17-26-mar	2:05:08	587	-1.3	-2.3	-1.0	25	16.71
17-26-mar	3:05:08	587	-1.9	-3.0	-1.0	25	16.70
17-26-mar	4:05:08	587	-2.2	-3.3	-1.2	25	16.71
17-26-mar	5:05:08	587	-1.6	-3.3	-1.7	25	16.71
17-26-mar	6:05:08	588	-1.5	-2.7	-1.2	25	16.72
17-26-mar	7:05:08	588	0.8	-0.5	-1.2	25	16.71
17-26-mar	8:05:08	588	3.5	3.5	0.0	27	16.71
17-26-mar	9:05:08	588	5.6	6.4	0.8	27	16.72
17-26-mar	10:05:08	589	7.2	8.6	1.4	28	16.71
17-26-mar	11:05:08	589	8.9	10.8	1.9	28	16.71
17-26-mar	12:05:08	589	9.8	12.4	2.6	28	16.71
17-26-mar	13:05:08	588	10.3	12.8	2.5	28	16.72
17-26-mar	14:05:08	588	10.4	12.6	2.2	28	16.71
17-26-mar	15:05:08	588	9.7	11.2	1.5	28	16.71
17-26-mar	16:05:08	588	9.4	10.5	1.1	28	16.70
17-26-mar	17:05:08	588	8.7	9.9	1.2	28	16.70
17-26-mar	18:05:08	588	6.7	6.8	0.1	27	16.70
17-26-mar	19:05:08	588	5.2	5.0	-0.2	27	16.71
17-26-mar	20:05:08	588	2.1	2.2	0.2	27	16.70
17-26-mar	21:05:08	588	1.8	1.5	-0.3	27	16.71
17-26-mar	22:05:08	588	0.5	0.1	-0.5	27	16.72
17-26-mar	23:05:08	588	1.6	0.4	-1.2	27	16.70

APPENDIX C

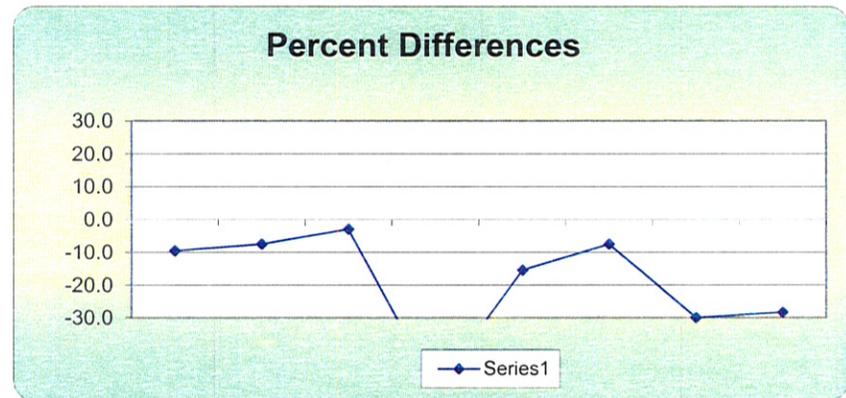
Precision and Single-Point Flow Rate Checks

Alton Coal Development, LLC - Coal Hollow Mine
Precision Estimate (From Collocated Samples)

Monitors 963B & 964C		Pollutant type:			CV _{ub} (%)		
Meas Val (Y)	Audit Val (X)	d (Eqn 10)	25th Percentile	d ²	d	d ²	
4	4.4	-9.5	-28.745	90.703	9.524	90.703	
5.2	5.6	-7.4	75th Percentile	54.870	7.407	54.870	
6.7	6.9	-2.9	-7.473	8.651	2.941	8.651	
8.3	14.1	-51.8		2681.760	51.786	2681.760	
32.3	37.7	-15.4		238.041	15.429	238.041	
24.4	26.3	-7.5		56.176	7.495	56.176	
21.3	28.8	-29.9		896.411	29.940	896.411	
43.6	58	-28.3		803.5216	28.346	803.522	

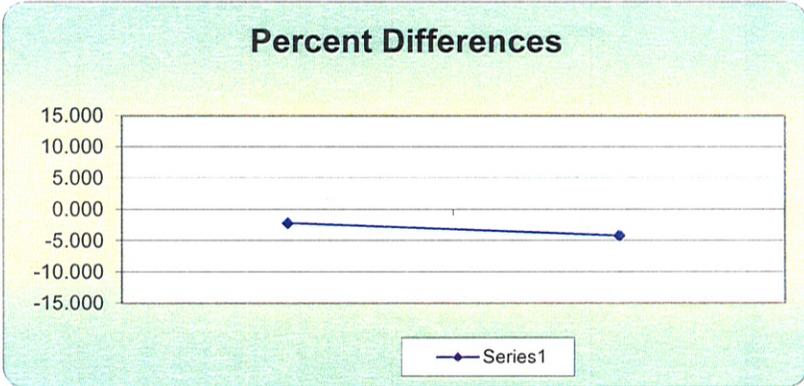
n	Σ d	Σ d ²
8	152.868	4830.133
n-1	Σd	Σd ²
7	-152.868	4830.133

CV (%) (Eqn 11)
18.36



**Alton Coal Development, LLC - Coal Hollow Mine
One-Point Flow Rate Bias Estimate**

Site ID: Monitor 962A		Pollutant type:						Bias (%)	
Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d²	 d 	 d ²	n	Σ d 	"AB" (Eqn 4)
16.7	17.07	-2.168	-3.683	4.698	2.168	4.698	2	6.356	3.178
16.7	17.43	-4.188	75th Percentile	17.541	4.188	17.541	n-1	Σ d ²	"AS" (Eqn 5)
			-2.673				1	22.239	1.429
				Bias (%) (Eqn 3)		Both Signs Positive			
				9.56		FALSE			
				Signed Bias (%)		Both Signs Negative			
				-9.56		TRUE			

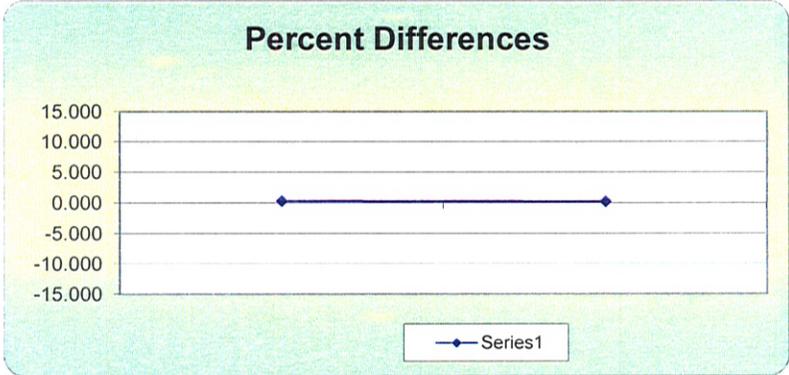


Alton Coal Development, LLC - Coal Hollow Mine

One-Point Flow Rate Bias Estimate

Site ID: Monitor 963B		Pollutant type:						Bias (%)	
Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d²	 d 	 d ²	n	Σ d 	"AB" (Eqn 4)
16.7	16.64	0.361	0.270	0.130	0.361	0.130	2	0.601	0.300
16.7	16.66	0.240	75th Percentile	0.058	0.240	0.058	n-1	Σ d ²	"AS" (Eqn 5)
			0.330				1	0.188	0.085

Bias (%) (Eqn 3)	Both Signs Positive
0.68	TRUE
Signed Bias (%)	Both Signs Negative
+0.68	FALSE

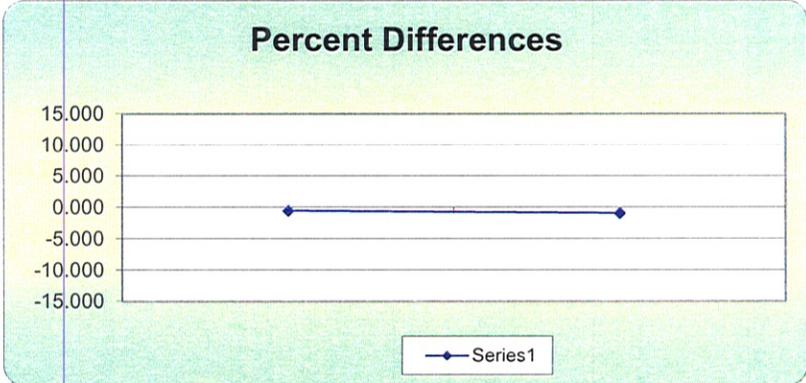


Alton Coal Development, LLC - Coal Hollow Mine
One-Point Flow Rate Bias Estimate

Site ID: Monitor 964C		Pollutant type:		Bias (%)		
Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²
16.7	16.78	-0.477	-0.787	0.227	0.477	0.227
16.7	16.85	-0.890	75th Percentile	0.792	0.890	0.792
			-0.580			

n	Σ d	"AB" (Eqn 4)
2	1.367	0.683
n-1	Σ d ²	"AS" (Eqn 5)
1	1.020	0.292

Bias (%) (Eqn 3)	Both Signs Positive
1.99	FALSE
Signed Bias (%)	Both Signs Negative
-1.99	TRUE

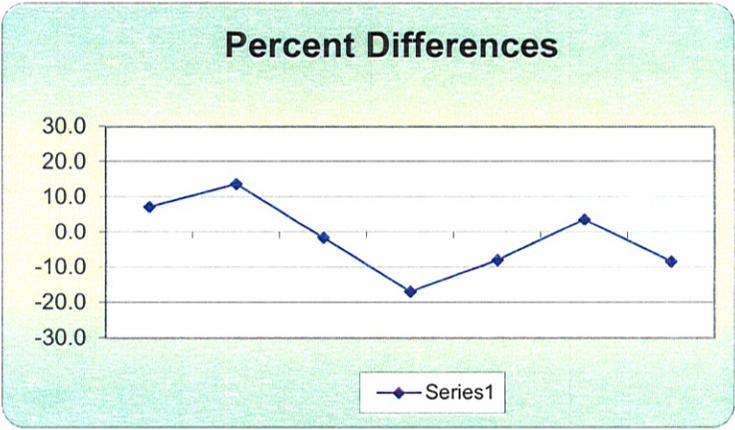


Alton Coal Development, LLC - Coal Hollow Mine - NPL
Precision Estimate (From Collocated Samples)

Monitors 963D & 964E		Pollutant type:				CV _{ub} (%)	
Meas Val (Y)	Audit Val (X)	d (Eqn 10)	25th Percentile	d ²	d	d ²	
11.3	10.5	7.3	-8.139	53.868	7.339	53.868	
6.2	5.4	13.8	75th Percentile	190.250	13.793	190.250	
6.6	6.7	-1.5	5.522	2.261	1.504	2.261	
3.8	4.5	-16.9		284.512	16.867	284.512	
18.2	19.7	-7.9		62.656	7.916	62.656	
5.5	5.3	3.7		13.717	3.704	13.717	
27.5	29.9	-8.4		69.929	8.362	69.929	

n	$\Sigma d $	$\Sigma d ^2$
7	59.485	677.193
n-1	Σd	Σd^2
6	-9.813	677.193

CV (%) (Eqn 11)
12.27

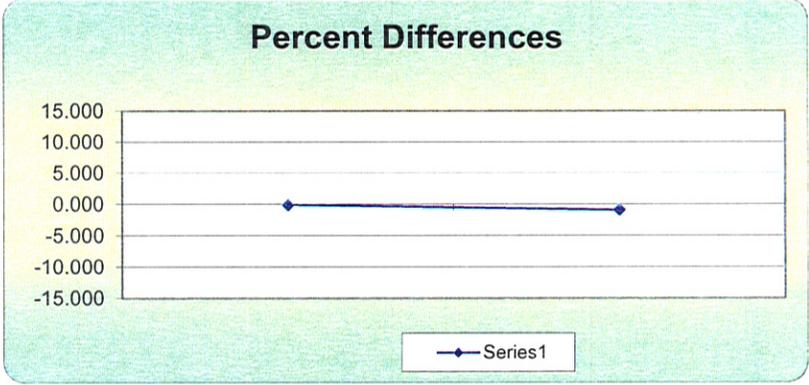


Alton Coal Development, LLC - Coal Hollow Mine
One-Point Flow Rate Bias Estimate

Site ID: Monitor 2366D		Pollutant type:		Bias (%)		
Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²
16.7	16.71	-0.060	-0.683	0.004	0.060	0.004
16.7	16.85	-0.890	75th Percentile	0.792	0.890	0.792
			-0.267			

n	Σ d	"AB" (Eqn 4)
2	0.950	0.475
n-1	Σ d ²	"AS" (Eqn 5)
1	0.796	0.587

Bias (%) (Eqn 3)	Both Signs Positive
3.1	FALSE
Signed Bias (%)	Both Signs Negative
-3.1	TRUE

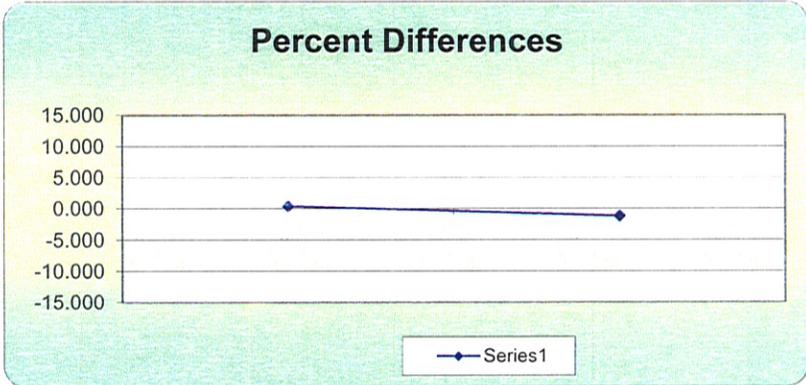


Alton Coal Development, LLC - Coal Hollow Mine

One-Point Flow Rate Bias Estimate

Site ID: Monitor 2398E		Pollutant type:		Bias (%)					
Meas Val (Y)	Audit Val (X)	d (Eqn. 1)	25th Percentile	d ²	d	d ²	n	Σ d	"AB" (Eqn 4)
16.7	16.63	0.421	-0.782	0.177	0.421	0.177	2	1.604	0.802
16.7	16.9	-1.183	75th Percentile	1.401	1.183	1.401	n-1	Σ d ²	"AS" (Eqn 5)
			0.020				1	1.578	0.539

Bias (%) (Eqn 3)	Both Signs Positive
3.21	FALSE
Signed Bias (%)	Both Signs Negative
+/-3.21	FALSE



APPENDIX D

Field Data Sheets

APPENDIX E

Independent PM₁₀ Sampler Performance Audit Report

**AUDIT REPORT
FOR
ALTON COAL DEVELOPMENT, LLC
COAL HOLLOW MINE
ALTON, UTAH
1ST QUARTER 2017**

Prepared for

Kirk Nicholes
Alton Coal Development, LLC
463 N 100 W
Cedar City, Utah, 84721

Prepared by



1901 Sharp Point Dr., Suite F
Fort Collins, CO 80525
970-484-7941

Site Audited: February 27, 2017



TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION	1-1
2.0 AUDIT METHODS AND EQUIPMENT	2-1
2.1 Particulate Samplers	2-1
3.0 AUDIT RESULTS	3-1
APPENDIX A Audit Data Forms	A-1
APPENDIX B Audit Standards Certifications	B-1

LIST OF TABLES

<u>Table</u>	<u>Page</u>
1-1 Site Location Information	1-1
1-2 Summary of Particulate Audit Results	1-1
2-1 Particulate Samplers, Audit Methods and Acceptance Criteria	2-2
2-2 Particulate Samplers, Audit Equipment	2-2

1.0 INTRODUCTION

Air Resource Specialists, Inc. (ARS) conducted a performance audit of Alton Coal Development, LLC ambient air quality monitoring systems on February 27, 2017. The monitoring sites are located at the Coal Hollow Mine near Alton, Utah.

Table 1-1

Site Location Information

	Primary CHM	Background	Primary NPL	Meteorological
Latitude	37° 24' 5.0" N	37° 24' 20.9" N	37° 24' 43" N	37° 23' 53.2" N
Longitude	112° 27' 21.0" W	112° 26' 1.1" W	112° 27' 30.6" W	112° 26' 43.1" W
UTM	12S 371147 4140396	12S 373119 4140856	12S 370928 4141570	12S 372073 4140018
Elevation	6,890 feet MSL	7,158 feet MSL	6,959 feet MSL	7,007 feet MSL

Audit results for the particulate samplers are summarized in Table 1-2. Detailed discussions of performance audit findings and other findings can be found in Section 3.0.

Table 1-2

Summary of Particulate Sampler Audit Results

	Parameter	Instrument	Within Accuracy Goal
Primary CHM	PM ₁₀	BGI PQ200S	Yes
	PM ₁₀ (collocated)	BGI PQ200S	Yes
Background #1	PM ₁₀	BGI PQ200S	Yes
Primary NPL	PM ₁₀	BGI PQ200	Yes
	PM ₁₀ (collocated)	BGI PQ200	Yes

Details of the audit are presented in the following sections:

Section 2.0	Audit Methods and Equipment
Section 3.0	Audit Results
Appendix A	Audit Data Forms
Appendix B	Audit Standards Certifications

Any questions related to this audit or audit report should be addressed to:

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Quality Assurance Officer / Lead Auditor
Air Resource Specialists, Inc.
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Fort Collins, Colorado 80525
Telephone: 970-484-7941
Fax: 970-484-3423
E-mail: ckirk@air-resource.com

2.0 AUDIT METHODS

Audit procedures, audit challenge ranges, and acceptance criteria are described below. These ranges and limits conform to EPA's PSD guidelines. Audit results were verbally communicated to the site operator prior to departure from the site. A follow-up e-mail summarizing audit findings was also sent to Alton Coal Development, LLC personnel. Audit details are provided in Appendix A.

Guidance from the following EPA documents was used to establish the audit procedures:

- 40 CFR Part 58, Appendix A. *Quality Assurance Requirements for Monitors Used In Evaluations of National Ambient Air Quality Standards*
- 40 CFR Part 58, Appendix B. *Quality Assurance Requirements for Prevention of Significant Deterioration (PSD) Air Monitoring*
- EPA *Quality Assurance Handbook for Air Pollution Measurement Systems*:
 - *Volume I. A Field Guide to Environmental Quality Assurance*
 - *Volume II. Ambient Air Quality Monitoring Program*
 - *Volume IV. Meteorological Measurements*
- EPA *Meteorological Monitoring Guidance for Regulatory Modeling Applications*
- EPA *Transfer Standards for Calibration of Air Monitoring Analyzers for Ozone*

2.1 PARTICULATE SAMPLERS (FRM PM₁₀)

The filter-based FRM PM₁₀ particulate samplers are audited in their normal operating mode. ARS audits the samplers with a BGI DeltaCal audit standard which measures flow, temperature, and barometric pressure. Prior to conducting the flow audit, a system leak check is performed in accordance with the manufacturer's specifications. The observed volumetric operational flow and design flow of the sampler are compared to the audit flows measured by the audit standard. Differences between the operational sampler flow and audit flow that are greater than ±10% are considered out of tolerance. Differences between the designated design flow and the audit flow greater than ±10% are considered out of tolerance. In addition to the flow audits, observed ambient temperature, filter temperature, and barometric pressure measurements of the particulate samplers are also audited by comparison to the audit standard. A temperature difference greater than ±2°C and a barometric pressure difference greater than ±10mm Hg are considered out of tolerance. Audit methods and acceptable criteria for the particulate samplers are summarized in Table 2-1.

Table 2-1
 Particulate Samplers
 Audit Acceptance Criteria

Parameter	Audit Method	Acceptance Criteria
FRM PM ₁₀	Leak Check	Manufacturer specs
	Audit flow to actual sampler flow	≤ ± 10%
	Design criteria flow to audit flow	≤ ± 10%
	Audit temperature to sampler temperature	≤ ± 2 °C
	Audit temperature to sampler filter temperature	≤ ± 2 °C
	Audit barometric pressure to sampler pressure	≤ ± 10 mm Hg

Table 2-2
 Particulate Samplers
 Audit Equipment

References	Manufacturer	Model Number	Serial Number	Expiration Date
FRM Flow	BGI	DeltaCal	1237	12/19/2017

3.0 AUDIT RESULTS

Audit findings and recommendations are discussed below. Detailed audit results are provided in Appendix A.

Performance Audit Results

There were no findings to report during this visit.

APPENDIX A
AUDIT DATA FORMS



FRM AUDIT (PM₁₀)

ABBR.	n/a	CLIENT	Alton	AUDITOR	M. Farinacci	DATE	2/27/2017
SITE NAME		Coal Hollow Mine					
Network type		Alton Coal- Coal Hollow					

	MANUFACTURER	MODEL	SERIAL NUMBER	EXPIRATION DATE
PM Flow Standard #1	BGI	deltaCal	1237	12/19/2017
PM Temperature Standard #1	BGI	deltaCal	1237	12/19/2017
PM Barometric Pressure Standard #1	BGI	deltaCal	1237	12/19/2017

MANUFACTURER	BGI
MODEL	PQ200
SERIAL NUMBER	962A

Date and Time correct?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If no, time off by:
3 min

SETTINGS	
Total Flow	16.70

Automated LEAK CHECK	
Vacuum Loss Rate	Pass/Fail
4 cm	PASS

FLOW VERIFICATION				
	Reference	Instrument	Actual Diff	Design Diff
Total Flow	16.93	16.72	-1.2%	1.4%
				PASS

AUDIT CRITERIA (<=)	
Actual Flow % Diff	10%
Design Flow % Diff	10%

AMBIENT TEMPERATURE SENSOR (°C)			
	Reference	Instrument	Difference
	1.1	1.2	0.1
			PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

FILTER TEMPERATURE SENSOR (°C)			
	Reference	Instrument	Difference
	0.2	0.2	0.0
			PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

PRESSURE SENSOR (mmHg)			
	Reference	Instrument	Difference
	588.0	589.0	1.0
			PASS

AUDIT CRITERIA (<=)	
Pressure Difference (mmHg)	10

NOTES:



FRM AUDIT (PM₁₀)

ABBR.	n/a	CLIENT	Alton	AUDITOR	M. Farinacci	DATE	2/27/2017
SITE NAME		Coal Hollow Mine					
Network type		Alton Coal- Coal Hollow					

	MANUFACTURER	MODEL	SERIAL NUMBER	EXPIRATION DATE
PM Flow Standard #1	BGI	deltaCal	1237	12/19/2017
PM Temperature Standard #1	BGI	deltaCal	1237	12/19/2017
PM Barometric Pressure Standard #1	BGI	deltaCal	1237	12/19/2017

MANUFACTURER	BGI
MODEL	PQ200
SERIAL NUMBER	963B

Date and Time correct?	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If no, time off by:	
2 min	

SETTINGS	
Total Flow	16.70

Automated LEAK CHECK	
Vacuum Loss Rate	Pass/Fail
3 CM	PASS

FLOW VERIFICATION				
	Reference	Instrument	Actual Diff	Design Diff
Total Flow	16.85	16.70	-0.9%	0.9%
				PASS

AUDIT CRITERIA (<=)	
Actual Flow % Diff	10%
Design Flow % Diff	10%

AMBIENT TEMPERATURE SENSOR (°C)			
Reference	Instrument	Difference	
0.1	0.6	0.5	PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

FILTER TEMPERATURE SENSOR (°C)			
Reference	Instrument	Difference	
1.5	1.3	-0.2	PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

PRESSURE SENSOR (mmHg)			
Reference	Instrument	Difference	
595.5	595.0	-0.5	PASS

AUDIT CRITERIA (<=)	
Pressure Difference (mmHg)	10

NOTES:



FRM AUDIT (PM₁₀)

ABBR.	n/a	CLIENT	Alton	AUDITOR	M. Farinacci	DATE	2/27/2017
SITE NAME		Coal Hollow Mine					
Network type		Alton Coal- Coal Hollow					

	MANUFACTURER	MODEL	SERIAL NUMBER	EXPIRATION DATE
PM Flow Standard #1	BGI	deltaCal	1237	12/19/2017
PM Temperature Standard #1	BGI	deltaCal	1237	12/19/2017
PM Barometric Pressure Standard #1	BGI	deltaCal	1237	12/19/2017

MANUFACTURER	BGI
MODEL	PQ200
SERIAL NUMBER	964C

Date and Time correct?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If no, time off by:
2 min

SETTINGS	
Total Flow	16.70

Automated LEAK CHECK	
Vacuum Loss Rate	Pass/Fail
2 CM	PASS

FLOW VERIFICATION					
	Reference	Instrument	Actual Diff	Design Diff	
Total Flow	16.78	16.70	-0.5%	0.5%	PASS

AUDIT CRITERIA (<=)	
Actual Flow % Diff	10%
Design Flow % Diff	10%

AMBIENT TEMPERATURE SENSOR (°C)			
Reference	Instrument	Difference	
1.6	1.0	-0.6	PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

FILTER TEMPERATURE SENSOR (°C)			
Reference	Instrument	Difference	
1.7	1.5	-0.2	PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

PRESSURE SENSOR (mmHg)			
Reference	Instrument	Difference	
595.5	597.0	1.5	PASS

AUDIT CRITERIA (<=)	
Pressure Difference (mmHg)	10

NOTES:



FRM AUDIT (PM₁₀)

ABBR.	n/a	CLIENT	Alton	AUDITOR	M. Farinacci	DATE	2/27/2017
SITE NAME		Coal Hollow Mine					
Network type		Alton Coal- Coal Hollow					

	MANUFACTURER	MODEL	SERIAL NUMBER	EXPIRATION DATE
PM Flow Standard #1	BGI	deltaCal	1237	12/19/2017
PM Temperature Standard #1	BGI	deltaCal	1237	12/19/2017
PM Barometric Pressure Standard #1	BGI	deltaCal	1237	12/19/2017

MANUFACTURER	BGI
MODEL	PQ200
SERIAL NUMBER	2366D

Date and Time correct?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If no, time off by:
4 min

SETTINGS	
Total Flow	16.70

Automated LEAK CHECK	
Vacuum Loss Rate	Pass/Fail
2 CM	PASS

FLOW VERIFICATION				
	Reference	Instrument	Actual Diff	Design Diff
Total Flow	16.65	16.70	0.3%	-0.3%
				PASS

AUDIT CRITERIA (<=)	
Actual Flow % Diff	10%
Design Flow % Diff	10%

AMBIENT TEMPERATURE SENSOR (°C)			
	Reference	Instrument	Difference
	3.7	2.5	-1.2
			PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

FILTER TEMPERATURE SENSOR (°C)			
	Reference	Instrument	Difference
	2.6	2.7	0.1
			PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

PRESSURE SENSOR (mmHg)			
	Reference	Instrument	Difference
	595.0	595.0	0.0
			PASS

AUDIT CRITERIA (<=)	
Pressure Difference (mmHg)	10

NOTES:



FRM AUDIT (PM₁₀)

ABBR.	n/a	CLIENT	Alton	AUDITOR	M. Farinacci	DATE	2/27/2017
SITE NAME		Coal Hollow Mine					
Network type		Alton Coal- Coal Hollow					

	MANUFACTURER	MODEL	SERIAL NUMBER	EXPIRATION DATE
PM Flow Standard #1	BGI	deltaCal	1237	12/19/2017
PM Temperature Standard #1	BGI	deltaCal	1237	12/19/2017
PM Barometric Pressure Standard #1	BGI	deltaCal	1237	12/19/2017

MANUFACTURER	BGI
MODEL	PQ200
SERIAL NUMBER	2398E

Date and Time correct?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If no, time off by:
5 min

SETTINGS	
Total Flow	16.70

Automated LEAK CHECK	
Vacuum Loss Rate	Pass/Fail
1 CM	PASS

FLOW VERIFICATION				
	Reference	Instrument	Actual Diff	Design Diff
Total Flow	16.71	16.70	-0.1%	0.1%
				PASS

AUDIT CRITERIA (<=)	
Actual Flow % Diff	10%
Design Flow % Diff	10%

AMBIENT TEMPERATURE SENSOR (°C)			
	Reference	Instrument	Difference
	2.7	2.3	-0.4
			PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

FILTER TEMPERATURE SENSOR (°C)			
	Reference	Instrument	Difference
	1.9	2.8	0.9
			PASS

AUDIT CRITERIA (<=)	
Temperature Difference (°C)	2

PRESSURE SENSOR (mmHg)			
	Reference	Instrument	Difference
	595.0	595.0	0.0
			PASS

AUDIT CRITERIA (<=)	
Pressure Difference (mmHg)	10

NOTES:



SITE INFORMATION

ABBR.	n/a	CLIENT	Alton	AUDITOR	M. Farinacci	DATE	2/27/2017
SITE NAME		Coal Hollow Mine					
NETWORK TYPE		Alton Coal- Coal Hollow					

		Deg	Min	Sec		Decimal
LATITUDE	North	37	23	53.2	--CALCULATE-->	37.3981
LONGITUDE	West	112	26	43.1		112.4453

Decimal						Deg	Min	Sec
					--CALCULATE-->			

	Meters			Feet
ELEVATION		--CALCULATE-->		

	Feet			Meters
		--CALCULATE-->		

Please verify site standards used by the site operator

SITE STANDARDS	MANUFACTURER	MODEL	SERIAL #	Calibration Expiration Date
PM Flow Reference				

NOTES:	
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ABBR.	n/a	CLIENT	Alton	AUDITOR	M. Farinacci	DATE	2/27/2017
SITE NAME		Coal Hollow Mine					
Network type		Alton Coal- Coal Hollow					

	MANUFACTURER	MODEL	SERIAL #	Calibration Expiration Date
Ozone Transfer Standard				
Gas Dilution Transfer Standard				
MFC High Flow Reference				
MFC Low Flow Reference				
Temperature Reference				
AT/RH Sensor Reference				
Barometric Pressure Reference				
Wind Speed Reference (high rpm)				
Wind Speed Reference (low rpm)				
Wind Speed Torque Gauge				
Wind Direction Alignment Reference				
Wind Direction Linearity Reference				
Wind Direction Torque Gauge				
Solar Radiation Reference				
Multiplier		W/m2 / mV		
UV Radiation Reference				
Multiplier		W/m2 / mV		
Precipitation Reference				
Volume		mL		

PM Flow Standard #1	BGI	deltaCal	1237	12/19/2017
PM Flow Standard #2				
PM Flow Standard #3				
PM Flow Standard #4				

PM Temperature Standard #1	BGI	deltaCal	1237	12/19/2017
PM Temperature Standard #2				
PM Temperature Standard #3				
PM Temperature Standard #4				

PM Barometric Pressure Standard #1	BGI	deltaCal	1237	12/19/2017
PM Barometric Pressure Standard #2				
PM Barometric Pressure Standard #3				
PM Barometric Pressure Standard #4				

TEOM MTV Standard				
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HiVol Direct Flow Reference				
Orifice				
ΔP orifice manometer				

APPENDIX B

AUDIT STANDARDS CERTIFICATIONS



CERTIFICATE OF CALIBRATION - NIST TRACEABILITY

(Refer to instruction manual for further details of calibration)

deltaCal Serial Number: 1237

DATE: 19-Dec-2016

Calibration Operator: P.Pitty

Critical Venturi Flow Meter: Max Uncertainty = 0.346%

Serial Number: 1A CEESI NVLAP NIST Data File 07BGI-0001

Serial Number: 2A CEESI NVLAP NIST Data File 07BGI-0003

Serial Number: 5C COX Nist Data File CCAL33222 - 5 C

Serial Number: 4A CEESI NVLAP NIST Data File 07BGI-0002

Serial Number: 3A CEESI NVLAP NIST Data File 07BGI-0004

Room Temperature: +/- 0.03°C from -5°C - 70°C Room Temperature: 24.4 °C

Brand: Telatemp Serial Number: 300907
Std Cal Date 18-May-16 Std Cal Due Date 18-May-17

deltaCal:

Ambient Temperature (set): 24.4 °C

Aux (filter) Temperature (set): 24.4 °C

Barometric Pressure and Absolute Pressure

Vaisala Model PTB330(50-1100) Digital Accuracy: 0.03371%

Serial Number: H0850001
Std Cal Date 28-Mar-16 Std Cal Due Date 28-Mar-17

deltaCal:

Barometric pressure (set): 768 mm of Hg

Results of Venturi Calibration

Flow Rate (Q) vs. Pressure Drop (ΔP).

Where: Q=Lpm, ΔP = Cm of H2O

Q= 3.94692 ΔP ^ 0.51599

Overall Uncertainty: 0.35%

Q= 3.90838 ΔP ^ 0.50726

Overall Uncertainty: 0.35%

Date Placed In Service 1/3/17

(To be filled in by operator upon receipt)

Recommended Recalibration Date 1/3/18

(12 months from date placed in service)

To Check a deltaCal

1.5-19.5

VER 4.00P

19-Dec-16 P.Pitty

BP= 768 mm of Hg

Maximum allowable error at any flow rate is .75%.

Serial No. 1237

	Reading		CV		
	Abs. P	Room	Qa	Qa	
	Crit. Vent.	Temp	Flow	deltaCal	% Error
	mm of Hg		Lpm	Indicated	
# 2	151.16	24.40	1.677	1.672	-0.29
	189.08	24.40	2.109	2.103	-0.31
	283.21	24.40	3.183	3.189	0.18
	358.20	24.40	4.039	4.040	0.03
	591.14	24.40	6.696	6.671	-0.37
#1	187.57	24.80	7.332	7.344	0.16
	264.48	24.80	10.400	10.388	-0.12
	341.77	24.80	13.484	13.487	0.03
	408.28	24.80	16.137	16.140	0.02
	492.21	24.80	19.485	19.520	0.18
			Average %	-0.05	

To Check a deltaCal

1.5-19.5

VER 4.00P

19-Dec-16 P.Pitty

BP= 768.5 mm of Hg

Maximum allowable error at any flow rate is .75%.

Serial No. 1237

	Reading Abs. P Crit. Vent. mm of Hg	Room Temp	CV Qa Flow Lpm	Qa deltaCal Indicated	% Error
# 2	123.22	23.30	1.352	1.510	11.66
	278.42	23.30	3.115	3.160	1.44
	552.00	23.30	6.222	6.310	1.41
#1	192.05	24.70	7.504	7.590	1.15
	346.77	24.70	13.670	13.790	0.88
	480.81	24.70	19.011	19.030	0.10
				Average %	2.77