The Scott Lawson Group, Ltd.
Environmental, Health & Safety Consultants

April 4, 2012

Mr. Alan Miller, Maintenance Director
School Administrative Unit No. 28, Pelham
Windham School District
59 Marsh Road
Pelham, New Hampshire 03076

Re: IAQ Evaluation at Windham High School - March 2012
SLGL File Number 12-1227

Dear Mr. Miller:

EXECUTIVE SUMMARY

From March 14 to March 22, 2012, Patrick Guglielmo, Safety & Health Technician with *The Scott Lawson Group, Ltd. (SLGL),* conducted an Indoor Air Quality (IAQ) Survey at Windham High School and the modular unit of the High School, located in Pelham, New Hampshire. The survey was performed in response to air quality concerns throughout the building.

The IAQ Survey included the collection of seven (7) Air-O-Cell® cassettes screening for viable and non-viable airborne fungal spore concentrations. In addition, a sample was collected from outside the building for comparative purposes as well as an analytical field blank. Also, three (3) samples were collected to evaluate airborne Radon levels in the High School and the modular classroom unit. Finally, data logging instruments were used to obtain readings for Carbon monoxide (CO), Carbon dioxide (CO_2), ambient temperature, and relative humidity (RH) over several days.

Based on the survey results, viable and non-viable airborne fungal spore concentrations were within recommended guidelines. The radon levels in the High School and modular unit ranged from < 0.2 pCi/l - 1.0 pCi/l, which is well below the EPA Action Level of 4.0 pCi/l. In general, the results from the data logging were within comfort guidelines with the exception of the modular classroom and English Room #12. Based on the IAQ Survey results, the indoor environment does not present a significant health concern to building occupants. Recommendations to enhance indoor air quality are located at the end of this report.

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DISCUSSION

The IAQ Survey was conducted in response to concerns with air quality throughout the building.
Using data logging instruments CO, CO_2, RH, and temperature readings were collected over several days. The results are summarized below.

Carbon dioxide (CO_2):

Studies indicate that CO_2 is an excellent surrogate indicator of indoor air quality. Since CO_2 is given off by humans when exhaling, its levels in the air provide a good indication of the quality of air circulation and how effectively the ventilation system, if present, is diluting and removing pollutants from the air. It must be noted that it is (generally) not necessarily the concentration of CO_2 itself that is of concern in non-industrial settings, but rather it is the levels of CO_2 exceeding 1,000 parts per million (1,000 ppm), which are indicative of inadequate fresh/outdoor air introduction -- or under-ventilation.

ANSI/ASHRAE standard 62-1989 recommends that 1,000 ppm of CO_2 be utilized as a value not to be exceeded, to ensure adequate fresh/outdoor air introduction and dilution of indoor air pollutants.

During the survey, the CO_2 levels recorded ranged from 264 to 2,011 ppm. The CO_2 levels generally peaked between 10:00 AM and 2:00 PM. On the data logging results for the Home Economics Room, there was a spike in the CO_2 level, where it went up to just above 4,000 ppm. We believe this may have been from breathing directly into the instrument, as there was a class in session at that time. The results are presented in Appendix B, in graph form.

CO_2 levels were generally within the ASHRAE guideline of 1,000 ppm in the areas included in the survey. These levels of CO_2 are below the OSHA PEL, ACGIH TLV, and NIOSH REL of 5,000 ppm, which is set for industrial settings. <u>These results indicate an adequate amount of fresh/outdoor air is being introduced into the building during peak occupancy levels, except in the modular unit where CO_2 levels peaked to 2,011 ppm after noon time, and also in the English Room #12, where levels were at or above 1,000 ppm from 8:30 AM to 2:30 PM.</u>

Carbon monoxide (CO):

CO is not a natural component of indoor air and is considered an indoor air pollutant. Overexposure to CO can deprive the body of Oxygen-carrying hemoglobin and cause immediate or chronic health effects to those individuals exposed to elevated levels.

CO levels were well within the guidelines during the survey, as they were generally less than 2 ppm, which is within the instruments normal fluctuation range. Therefore levels are below the OSHA PEL of 50 ppm, as well as within the ACGIH TLV of 25 ppm, and the NIOSH REL of 35 ppm. WHO uses 9 ppm as a "concentration of concern" and notes that indoor concentrations of CO should not exceed those found outdoors by more than 3 ppm. Even with the instruments +/- 3 ppm, CO does not appear to be a significant concern with regard to indoor air quality.

Relative humidity:

In an environment in which occupants are engaged in light, primarily sedentary activity (such as a home or office environment), ANSI/ASHRAE standard 55-1992 recommends that RH be controlled to a range of 30% to 60%. These are the upper and lower limits based on considerations of dry skin, eye irritation, respiratory health, microbial growth, and moisture-related phenomena. When RH levels are below 30%, the mucous membranes of the upper respiratory system begin to dry out, possibly rendering nasal passages and the throat, as well as the eyes, more susceptible to irritation and/or infection from indoor air pollutants. RH levels exceeding 60% may cause condensation problems, and as a result, fungal and Fungi infestations are common.

The data logging instruments reveal average RH levels ranged from 21.4 to 61.6%. All rooms had average RH levels within the recommended guidelines during the sampling period. It should also be noted that it was unusually warm during the sampling period. It could be expected that RH levels would be below the recommended limits in the drier winter months.

Temperature:

ANSI/ASHRAE standard 55-1992 recommends an optimum operative temperature of 71 degrees Fahrenheit (71˚F) be maintained during the winter months, with a comfort range of 68˚F to 75˚F. An optimum summer temperature of 76˚F is also recommended, with a comfort range of 73˚F to 79˚F. The temperature should be set toward the lower end in the winter when people wear heavier clothing and toward the upper end in the summer when people wear lighter clothing.

Ambient temperatures ranged from 66.9 to 82.6˚F, during the sampling period. Temperatures peaked from 12:00 PM to 4:00 PM in the sampling locations. It should be noted that the outdoor temperatures were unusually high for March, and were in the high 70s or low 80s during the sampling time. Based on the data collected, temperature should not be a significant concern to building occupancy at this time.

Air Samples - Total Spore Counts with Predominant Genus Identification:

SLGL collected seven (7) Spore Trap samples within the facility and one (1) outside the facility for the evaluation of total airborne fungal spore concentrations (viable and non-viable) from within each unit. In addition, one (1) analytical blank was collected for quality control purposes. It should be noted that this visual identification includes both viable and non-viable spores (i.e., spores that have the ability to grow and those that do not).

Each sample was collected by drawing air through an Air-O-Cell® sampling cassette. Air was drawn through the cassette at a flow rate of approximately fifteen liters per minute (15-lpm) as established by pre- and post-sampling calibration, for approximately five (5) minutes. Upon the completion of each sample, the cassette was sealed, issued a unique sample identification number, and its location documented.

Analysis of the Air-O-Cell® cassettes (with count and identification by Predominant Genus) was used to determine total airborne viable and non-viable Fungi spores. All Fungi are considered to be potentially allergenic. (The term "genus" refers to the particular "family" of Fungi or Bacteria, and there are individual species within each genus.)

Table – Air Sample Results for Total Fungus Spores

Sampling Location	Fungi Concentration (Ct/m^3)	Predominant Genus
Gymnasium	< 53	None Detected
Science Lab, Room #21	53	Basidiospores
Library	53	*Cladosporium*
Administration Area	53	*Cladosporium*
Upper Level, Home Economics, Room #34	53	Basidiospores
English Room #12	747	Ascospores
Modular Unit, Room #42	< 53	None Detected
Outside Building by Maintenance Garage	> 15,787	Ascospores

The levels noted inside the High School are within the normal/background category. They are less than the levels found outside, which is the preferred result. As such, total fungal spores do not present a significant IAQ concern at this time.

Radon Testing:

The radon levels in the High School and modular unit ranged from < 0.2 pCi/l - 1.0 pCi/l, which are well below the EPA Action Level of 4.0 pCi/l.

TABLE I – RADON TESTING RESULTS

General Location	Concentration	EPA Action Level	Pass/Fail
Lower Level, Transformer Room	1.0 – 0.7 pCi/L*	4.0 pCi/L	Pass
Art Room, Room #1	< 0.2 – 0.3 pCi/L	4.0 pCi/L	Pass
Modular, Room #43	0.2 – 0.3 pCi/L	4.0 pCi/L	Pass

It should be noted that the EPA Action Level is based on a "yearly average", and the type of testing performed during this survey is only a short-term (2 day) result.

Note: pCi/L = pico curies per liter of air.
* EPA sampling protocol for Radon requires a duplicate(QA) sample be collected at each location

CONCLUSION

Based on the survey results, viable and non-viable airborne Fungal spore concentrations were within recommended guidelines, and Radon levels were below the EPA guidelines. In general, the results from the data logging were within comfort guidelines with the exception of the modular classroom and English Room #12. Based on the IAQ Survey results, the indoor environment does not present a significant health concern to building occupants.

RECOMMENDATION

1. SAU #28 should focus on introducing more fresh/outdoor air into the modular unit and into the English Room (if feasible) during peak occupancy levels to increase the comfort levels of the students and SAU #28 employees.
2. SAU #28 should continue to monitor building spaces for signs of potential IAQ issues. This would include observing for any signs of water intrusions, strange odors, and/or activities such as construction/renovation operations that could adversely impact the air quality. Any and all occurrences should be documented to include the dates, times, and weather conditions. This will assist with any subsequent evaluations that occur in the future.

Thank you for utilizing the services of *The Scott Lawson Group, Ltd.* We enjoyed working with you on this project and would welcome the opportunity to work with you on future projects. We trust that you will find everything in order; however, should you have any questions or comments, please feel free to contact me at your earliest convenience.

Sincerely,

The Scott Lawson Group, Ltd.

Patrick L. Guglielmo, B.S.
Safety & Health Technician

Enclosures

WARRANTY

The conclusions and recommendations contained in this report are based on information available to *SLGL* as of March 22 , 2012. *SLGL* provides no warranties on information provided by third parties and contained herein. Data compiled were in accordance with *SLGL's* approved scope of services and should not be construed beyond their limitations. Any interpretations or use of this report other than those expressed herein are not warranted. The use, partial use, or duplication of this report without the expressed written consent of *The Scott Lawson Group, Ltd.*, is strictly prohibited.

APPENDIX A

ANALYTICAL RESULTS

The Scott Lawson Group, Ltd.
Environmental, Health & Safety Consultants
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Client: SAU #28, Windham School District
19 Haverhill Road
Windham, NH 03087
SLGL Job #: 12-1227
Client Project: IAQ-Windham High School and Modular
Report Date: March 19, 2012
Date Sampled: March 14, 2012
Date Received: March 15, 2012
Collected by: PLG
Analyzed by: NEF, #01040036

PAACB Certified Spore Analyst

Analytical Results

Lab Number:	295908	295909	295910
Sample Identification:	031412-1227-A01, Area, Gymnasium, center of room	031412-1227-A02, Area, Science Lab, room #21	031412-1227-A03, Area, Library, center of room
Analysis:	Fungi Enumeration & Identification - Direct Examination	Fungi Enumeration & Identification - Direct Examination	Fungi Enumeration & Identification - Direct Examination
Methodology:	SLGL-3067	SLGL-3067	SLGL-3067
Sample Media:	Air-O-Cell	Air-O-Cell	Air-O-Cell
Debris Rating:	2	2	2
Air Volume (L):	75.0	75.0	75.0
Minutes:	5	5	5
Date Analyzed:	March 16, 2012	March 16, 2012	March 16, 2012

Mold/Fungi Type	Raw Count	Count/m³	Raw Count	Count/m³	Raw Count	Count/m³
Alternaria						
Ascospores						
***Aspergillus Penicillium*-like						
Basidiospores			1	53		
Bipolaris Drechslera-like						
Botrytis						
Chaetomium						
Cladosporium					1	53
Curvularia						
Epicoccum						
Fusarium						
Myxomycetes *Periconia*/smuts						
Nigrospora						
Oidium Erysiphe Peronospora						
Phoma						
Phialophora						
rusts						
Spegazzinia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
unknown/unidentified						
hyphal fragments						
Total fungal spores and fragments:	< 1	< 53	1	53	1	53
Limit of Detection:	1	53	1	53	1	53
Comments	None detected					

TNTC: Too numerous to count

<: Less Than

>: Greater Than

Count/m3: Count per meter cubed

PAACB: Pan-American Aerobiology Certification Board

Detection Limit: The detection limit is equal to one fungal spore or hyphal fragment.

**: *Aspergillus* and *Penicillium* spores (and others such as *Paecilomyces*) are small and round with few distinguishing characteristics. They cannot be distinguished by this method

*: No analytical field blank submitted with associated sample(s).

Background Debris: Background debris is an indication of the amount of non-microbial debris present on the slide and is rated on a scale of 1 to 5:

Debris Load of 1: <10% debris present. Counts not affected.

Debris Load of 2: 11-25% debris present. Counts not affected.

Debris Load of 3: 25-75% debris present. Counts may be underestimated.

Debris Load of 4: 76-90% debris present. Counts underestimated.

Debris Load of 5: >90% debris present. Counts could not be determined, sample overloaded.

Reviewed by: Helen M Erzen

Approved By: Norman E Fletcher
Norman Fletcher, Lab Manager

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PAACB
Certified Spore Analyst

Analytical Results

Lab Number:	295911	295912	295913
Sample Identification:	031412-1227-A04, Area, Adminstation Area, main office by front door	031412-1227-A05, Area, upper level, Home Economics Room, room #34	031412-1227-A06, Area, English Room, room #12
Analysis:	Fungi Enumeration & Identification - Direct Examination	Fungi Enumeration & Identification - Direct Examination	Fungi Enumeration & Identification - Direct Examination
Methodology:	SLGL-3067	SLGL-3067	SLGL-3067
Sample Media:	Air-O-Cell	Air-O-Cell	Air-O-Cell
Debris Rating:	2	3	2
Air Volume (L):	75.0	75.0	75.0
Minutes:	5	5	5
Date Analyzed:	March 16, 2012	March 16, 2012	March 16, 2012

Mold/Fungi Type	Raw Count	Count/m^3	Raw Count	Count/m^3	Raw Count	Count/m^3
Alternaria						
Ascospores					8	427
****Aspergillus/Penicillium*-like**						
Basidiospores			1	53		
Bipolaris/Drechslera-like						
Botrytis						
Chaetomium						
Cladosporium	1	53			6	320
Curvularia						
Epicoccum						
Fusarium						
Myxomycetes/*Periconia*/smuts						
Nigrospora						
Oidium Erysiphe Peronospora						
Phoma						
Pithomyces						
rusts						
Spegazzinia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
unknown/unidentified						
hyphal fragments						
Total fungal spores and fragments:	1	53	1	53	14	747
Limit of Detection:	1	53	1	53	1	53
Comments:						

TNTC: Too numerous to count

<: Less Than

>: Greater Than

Count/m3: Count per meter cubed

PAACB: Pan-American Acrobiology Certification Board

Detection Limit: The detection limit is equal to one fungal spore or hyphal fragment.

**: *Aspergillus* and *Penicillium* spores (and others such as *Paecilomyces*) are small and round with few distinguishing characteristics. They cannot be distinguished by this method.

*: No analytical field blank submitted with associated sample(s).

Background Debris: Background debris is an indication of the amount of non-microbial debris present on the slide and is rated on a scale of 1 to 5:

Debris Load of 1: <10% debris present. Counts not affected.

Debris Load of 2: 11-25% debris present. Counts not affected.

Debris Load of 3: 25-75% debris present. Counts may be underestimated.

Debris Load of 4: 76-90% debris present. Counts underestimated.

Debris Load of 5: >90% debris present. Counts could not be determined, sample overloaded.

Reviewed by: Helen M. Ezzo

Approved By: Norman E. Fletcher
Norman Fletcher, Lab Manager

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Date Received: March 15, 2012
Collected by: PLG
Analyzed by: NEF, #01040036

PAACB Certified Spore Analyst

Analytical Results

Lab Number:	295914	295915	295916
Sample Identification:	031412-1227-A07, Area, modular unit, room #42	031412-1227-A08, Area, outside, parking lot by Maintenance Garage	031412-1227-A09, Analytical field blank
Analysis:	Fungi Enumeration & Identification - Direct Examination	Fungi Enumeration & Identification - Direct Examination	Fungi Enumeration & Identification - Direct Examination
Methodology:	SLGL-3067	SLGL-3067	SLGL-3067
Sample Media:	Air-O-Cell	Air-O-Cell	Air-O-Cell
Debris Rating:	1	2	1
Air Volume (L):	75.0	75.0	0.0
Minutes:	5	5	0
Date Analyzed:	March 19, 2012	March 19, 2012	March 19, 2012

Mold/Fungi Type	Raw Count	Count/m³				
Alternaria						
Ascospores			> 250	> 13,333		
***Aspergillus Penicillium*-like						
Basidiospores			45	2,400		
Bipolaris Drechslera-like						
Botrytis						
Chaetomium						
Cladosporium						
Curvularia						
Epicoccum						
Fusarium						
Myxomycetes *Perconia*/smuts						
Nigrospora						
Oidium Erysiphe Peronospora						
Phoma						
Pithomyces						
rusts						
Spegazzinia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
unknown/unidentified			1	53		
hyphal fragments						
Total fungal spores and fragments:	< 1	< 53	> 296	> 15,787	< 1	----
Limit of Detection:	1	53	1	53	1	----
Comments:	None detected				None detected	

TNTC: Too numerous to count

<: Less Than

>: Greater Than

Count/m3: Count per meter cubed

PAACB: PanAmerican Aerobiology Certification Board

Detection Limit: The detection limit is equal to one fungal spore or hyphal fragment

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*: No analytical field blank submitted with associated sample(s).

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Debris Load of 4: 76-90% debris present. Counts underestimated.

Debris Load of 5: >90% debris present. Counts could not be determined, sample overloaded.

Reviewed by: Helen M Erzen

Approved By: Norman E Fletcher
Norman Fletcher, Lab Manager

The Scott Lawson Group, Ltd.
Environmental, Health & Safety Consultants

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ag C

SAU #28 Pelham/Windham

Address:

SLG: 12-1227

Client Project: IAQ - Windham High School & Modular

Client PO:

Attention:

Sampled By: PLb

Phone: Fax: email:

Turnaround Time (select one)
[ ] 3 hours* [ ] 6-8 hours* [ ] 24 hours* [ ] 48 hours* [ ] 72 hours*
[ ] 5 days [X] 10 days [ ] Weekend [ ] Other: _____

*Not available for all tests. Schedule rush and weekend tests in advance.

Sample Matrix Type (select one)
[X] Air [ ] Bulk [ ] Soil [ ] Water, drinking or waste
[ ] Aqueous [ ] Oil [ ] Solid [ ] Wipe
[ ] Agar (biostrip) [ ] Paint [ ] Swab [ ] Wipe composite
[ ] Agar (plate) [ ] Sludge [ ] Tape Lift [ ] Other: _____

Comments:

All samples on this form should be of the SAME matrix type. Use additional forms as needed.

Samples received in good condition? [ ]Yes [ ]No

SLGL Lab #	Sample Identification	Analysis	Date Sampled	Time	Media/ Container	Preservative	4°C	Swab/Wipe Area Units: ____	Air Volume (L)	Minutes
295908	03142-1227-A01	Fimg; Count & Identification	3.14.12	-	Air-O-Cell	-	-	-		
909	A02									
910	A03									
911	A04									
912	A05									
913	A06									
914	A07									
915	A08									
916	A09								-	-

Sample Collection and Custody Information

Samples Shipped Via: [ ] FedEx [ ] UPS [ ] DHL [ ] US Mail [ ] Drop Box [ ] Drop Off [ ] Other

Relinquished By:	Date/Time:	Received By:	Date/Time:
PLb	11:00AM/3.14.12	Helen M Erzen	3/15/12 820
Relinquished By:	Date/Time:	Received By:	Date/Time:

A Note to Customer: by signing and relinquishing your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.

NEW ENGLAND RADON, LTD.

11A Industrial Way, Unit 3
Salem, New Hampshire 03079

603-893-4260
Fax: 603-893- 8163
Email: despinal@newenglandradon.com
Website: www.newenglandradon.com

RADON ANALYSIS

DATE: 03/20/2012

THE SCOTT LAWSON GROUP
20 CHENELL DR
CONCORD, NH 03301

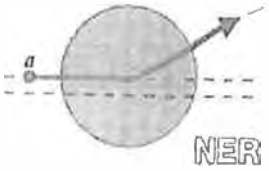
TEST SITE: A01 -A02

EXPOSURE START: 20120314 AT 06:15
EXPOSURE STOP: 20120316 AT 06:15

CODE NUMBER	TEST RESULTS (pC/L)	TEST LOCATION
1 7508	1.0	1ST TRANSFORMER
1?7509	0.7	1ST TRANSFORMER

T IS READING IS BELOW THE EPA ACTION GUIDE LEVEL OF 4.0 pCi/L, A READING BELOW 4.0 pCi/L FOR YOUR SCREENING MEASUREMENT, IF MADE WITH THE HOUSE OR B SEMENT CLOSED-UP PRIOR TO AND DURING THE TESTING PERIOD (AS SPECIFIED IN T E INSTRUCTIONS) INDICATES THAT THERE IS RELATIVELY LITTLE CHANCE THAT TnE RADON CONCENTRATION, IN THE LIVING AREAS, WILL BE GREATER THAN 4 pCi/L A^ AN ANNUAL AVERAGE DUE TO AIRBORNE RADON SEEPING THROUGH THE BASEMENT.

(HIS READING IS VALID ONLY IF HOUSE CONDITIONS ARE MAINTAINED AS SPECIFIED FOR THE DURATION OF THE TEST. NEW ENGLAND RADON, LTD. CANNOT BE H LD LIABLE FOR ERRONEOUS READINGS IF APPROPRIATE HOUSE CONDITIONS ARE NOT M INTAINED.)



NEW ENGLAND RADON, LTD.

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Salem, New Hampshire 03079

603-893-4260
Fax: 603-893- 8163
Email: despinal@newenglandradon.com
Website: www.newenglandradon.com

RADON ANALYSIS

DATE: 03/20/2012

THE SCOTT LAWSON GROUP
20 CHENELL DRIVE
CONCORD, NH 03301

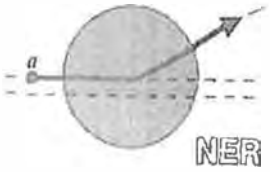
TEST SITE: A03-A04

EXPOSURE START: 20120314 AT 06:50
EXPOSURE STOP: 20120316 AT 06:50

CODE NUMBER	TEST RESULTS (pC/L)	TEST LOCATION
127574	<0.2	1ST ART RM
127574	0.3	1ST ART RM

THIS READING IS BELOW THE EPA ACTION GUIDE LEVEL OF 4.0 pCi/L, A READING BELOW 4.0 pCi/L FOR YOUR SCREENING MEASUREMENT, IF MADE WITH THE HOUSE OR BASEMENT CLOSED-UP PRIOR TO AND DURING THE TESTING PERIOD (AS SPECIFIED IN THE INSTRUCTIONS) INDICATES THAT THERE IS RELATIVELY LITTLE CHANCE THAT THE RADON CONCENTRATION, IN THE LIVING AREAS, WILL BE GREATER THAN 4 pCi/L AS AN ANNUAL AVERAGE DUE TO AIRBORNE RADON SEEPING THROUGH THE BASEMENT.

(THIS READING IS VALID ONLY IF HOUSE CONDITIONS ARE MAINTAINED AS SPECIFIED FOR THE DURATION OF THE TEST. NEW ENGLAND RADON, LTD. CANNOT BE HELD LIABLE FOR ERRONEOUS READINGS IF APPROPRIATE HOUSE CONDITIONS ARE NOT MAINTAINED.)



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Salem, New Hampshire 03079

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Fax: 603-893- 8163
Email: despinal@newenglandradon.com
Website: www.newenglandradon.com

RADON ANALYSIS

DATE: 03/20/2012

THE SCOTT LAWSON GROUP
20 CHENELL DR
CONCORD, NH

TEST SITE: A05-A06

EXPOSURE START: 20120314 AT 07:10
EXPOSURE STOP: 20120316 AT 07:15

CODE NUMBER	TEST RESULTS (pC/L)	TEST LOCATION
127493	0.2	1ST MODULAR RM 43
127492	0.3	1ST MODULAR RM 43

THIS READING IS BELOW THE EPA ACTION GUIDE LEVEL OF 4.0 pCi/L, A READING BELOW 4.0 pCi/L FOR YOUR SCREENING MEASUREMENT, IF MADE WITH THE HOUSE OR BASEMENT CLOSED-UP PRIOR TO AND DURING THE TESTING PERIOD (AS SPECIFIED IN THE INSTRUCTIONS) INDICATES THAT THERE IS RELATIVELY LITTLE CHANCE THAT THE RADON CONCENTRATION, IN THE LIVING AREAS, WILL BE GREATER THAN 4 pCi/L AS AN ANNUAL AVERAGE DUE TO AIRBORNE RADON SEEPING THROUGH THE BASEMENT.

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Environmental, Health & Safety Consultants

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Concord, New Hampshire 03301
Ph: (603) 228-3610, Fax: (603) 228-3871
www.slgl.com email: Lab@slgl.com

Submitting Co.: SAU #28
SLGL Job #: 12-1277
Address:
Client Project: EAS - Windham High School
Client PO:

Turnaround Time (select one)
[ ] 3 hours* [ ] 6-8 hours* [ ] 24 hours* [ ] 48 hours* [ ] 72 hours*
[ ] 5 days [X] 10 days [ ] Weekend [ ] Other: _____
Not available for all tests. Schedule rush and weekend test in advance

Attention:
Sampled By: TLB
Phone: Fax:
email:

Sample Matrix Type (select one)
[X] Air [ ] Bulk [ ] Soil [ ] Water, drinking or waste
[ ] Aqueous [ ] Oil [ ] Solid [ ] Wipe
[ ] Agar (biostrip) [ ] Paint [ ] Swab [ ] Wipe composite
[ ] Agar (plate) [ ] Sludge [ ] Tape Lift [ ] Other: _____

Comments:

All samples on this form should be of the SAME matrix type. Use additional forms as needed.
Samples received in good condition? [ ]Yes [ ]No

SLGL Lab #	Sample Identification (Canister #)	Analysis	Date Sampled	Time	Media/ Container	Preservative	4°C	Swab/Wipe Area Units: ____	Air Volume (L)	Minutes
127508	03112-1277 - A01	Radon	3/1/12 - 3/8/12	-	Radon Canister	-		-	-	-
127509	A02									
127574	A03									
127575	A04									
127492	A05									
127493	A06									1

hne 3/16/12

Sample Collection and Custody Information

Samples Shipped Via: [ ] FedEx [ ] UPS [ ] DHL [ ] US Mail [ ] Drop Box [ ] Drop Off [ ] Other

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	3.14.12 08:00	[signature]	3/16/12 9:2
Relinquished By:	Date/Time:	Received By:	Date/Time:

A Note to Customer: by signing and relinquishing your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.

Page: 1 of 1

The Scott Lawson Group, Ltd.
Environmental, Health & Safety Consultants

20 Chenell Drive
Concord, New Hampshire 03301
Ph: (603) 228-3610, Fax: (603) 228-3871
www.slgl.com email: Lab@slgl.com

Submitting Co.: SAU #8

SLGL Job #: 27

Address:

Client Project:

Client PO:

Attention:

Sampled By:

Phone: Fax:

email:

Turnaround Time (select one)

[ ] 3 hours* [ ] 6-8 hours* [ ] 24 hours* [ ] 48 hours* [ ] 72 hours*

[ ] 5 days [ ] 10 days [ ] Weekend [ ] Other: _____

**Not available for all tests. Schedule rush and weekend tests in advance.*

Sample Matrix Type (select one)

[√] Air [ ] Bulk [ ] Soil [ ] Water, drinking or waste
[ ] Aqueous [ ] Oil [ ] Solid [ ] Wipe
[ ] Agar (biostrip) [ ] Paint [ ] Swab [ ] Wipe composite
[ ] Agar (plate) [ ] Sludge [ ] Tape Lift [ ] Other: _____

Comments:

All samples on this form should be of the SAME matrix type. Use additional forms as needed.

Samples received in good condition? [ ]Yes [ ]No

SLGL Lab #	Sample Identification	Analysis	Date Sampled	Time	Media/ Container	Preservative	4°C	Swab/Wipe Area Units: ____	Air Volume (L)	Minutes
127508	AC1	Fungi								
127509	AC2	"	"	"	"	"	"	"	"	"
127574	AC3	"	"	"	"	"	"	"	"	"
127575	AC4	"	"	"	"	"	"	"	"	"
127576	AC5	"	"	"	"	"	"	"	"	"
127577	AC6	"	"	"	"	"	"	"	"	"

Name 3/6/12

Sample Collection and Custody Information

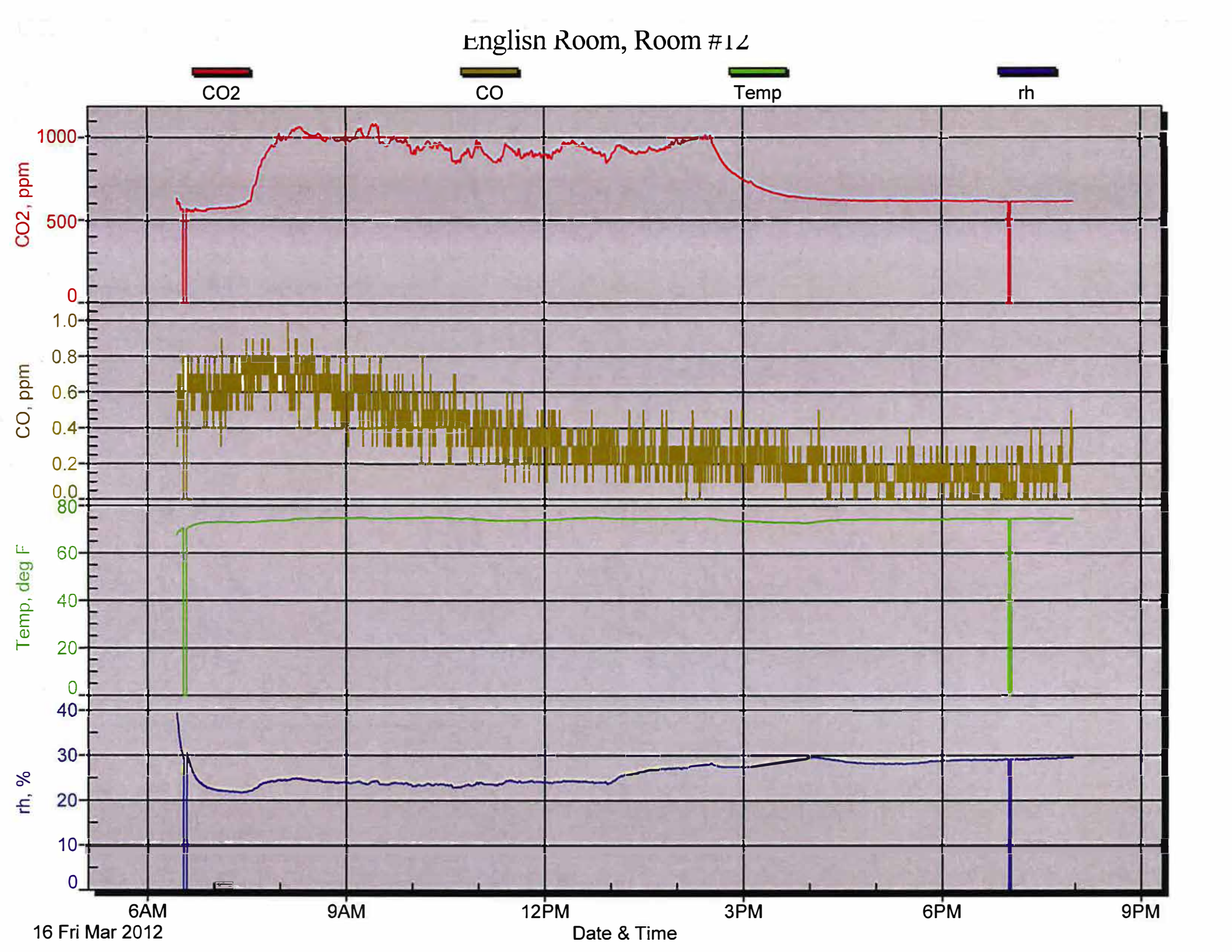
Samples Shipped Via: [ ] FedEx [ ] UPS [ ] DHL [ ] US Mail [ ] Drop Box [ ] Drop Off [ ] Other

Relinquished By:	Date/Time:	Received By:	Date/Time:
			3/6/12 9:2
Relinquished By:	Date/Time:	Received By:	Date/Time:

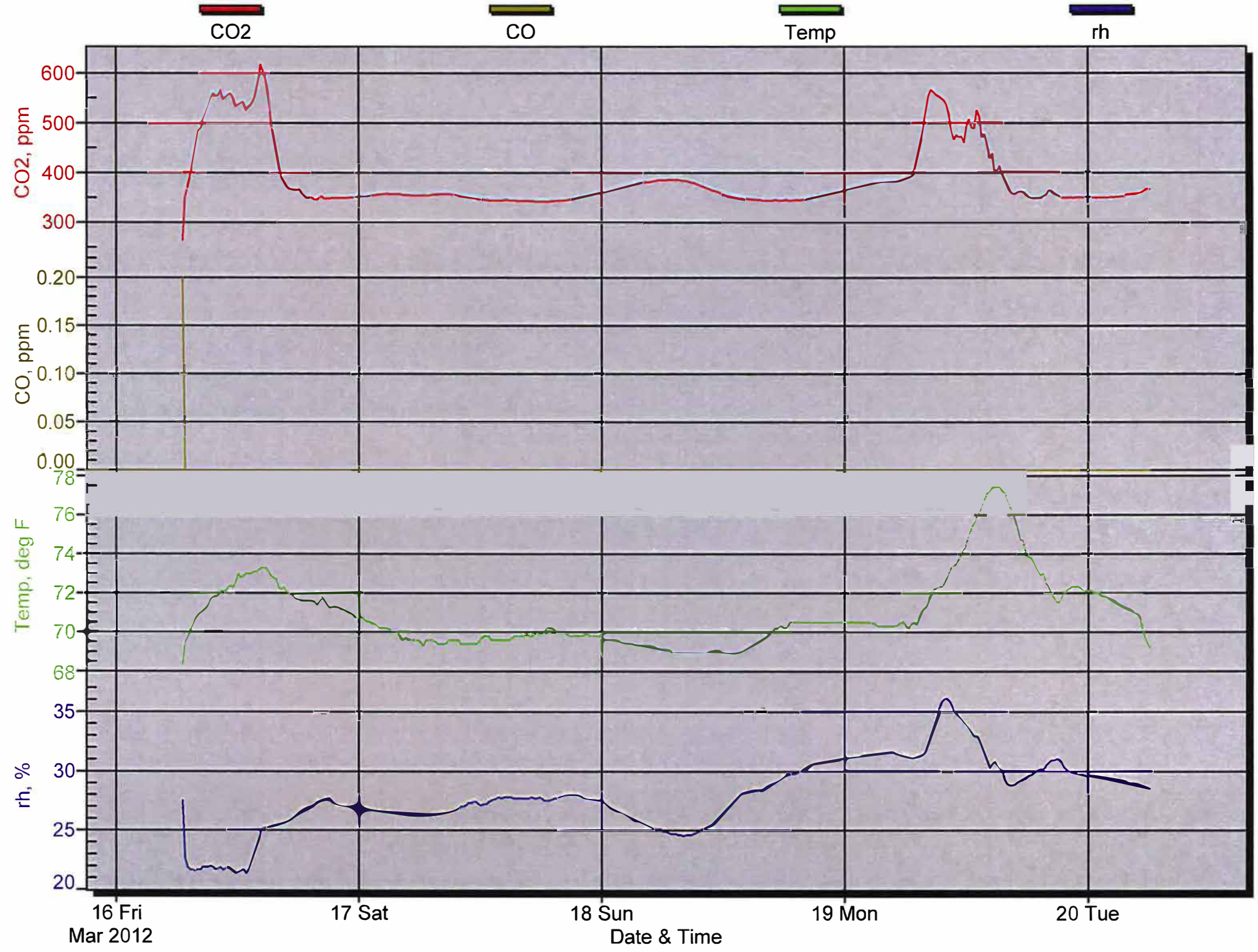
A Note to Customer: by signing and relinquishing your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.

APPENDIX B

DATA LOGGING RESULTS

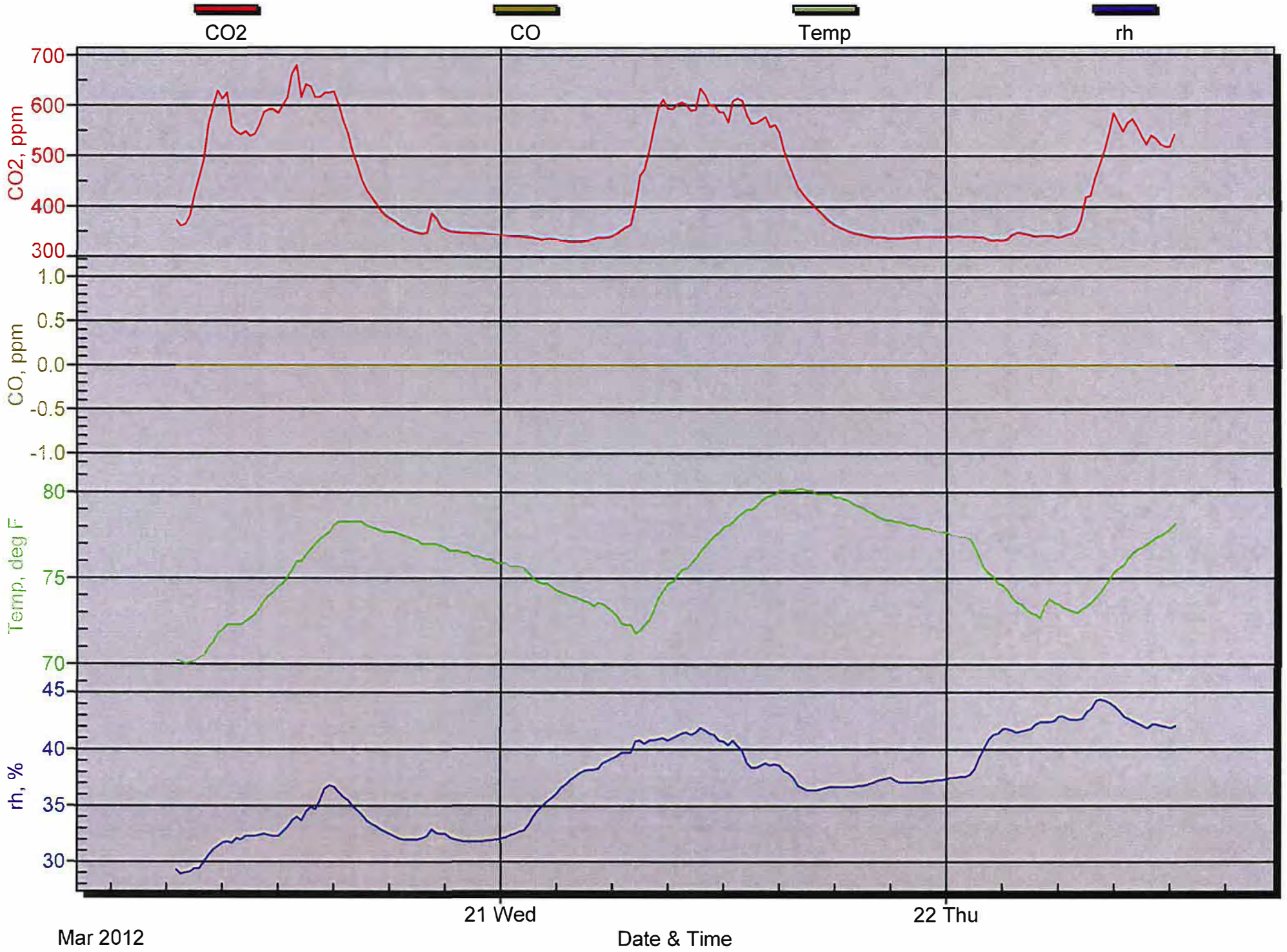

English Room, Room #12
CO2
CO
Temp
rh
1000
500
0
CO2, ppm
1.0
0.8
0.6
0.4
0.2
0.0
CO, ppm
80
60
40
20
0
Temp, deg F
40
30
20
10
0
rh, %
6AM
9AM
12PM
3PM
6PM
9PM
16 Fri Mar 2012
Date & Time

Admin Area


CO2
CO
Temp
rh
CO2, ppm
600
500
400
300
CO, ppm
0.20
0.15
0.10
0.05
0.00
Temp, deg F
78
76
74
72
70
68
rh, %
35
30
25
20
16 Fri
Mar 2012
17 Sat
18 Sun
19 Mon
20 Tue
Date & Time

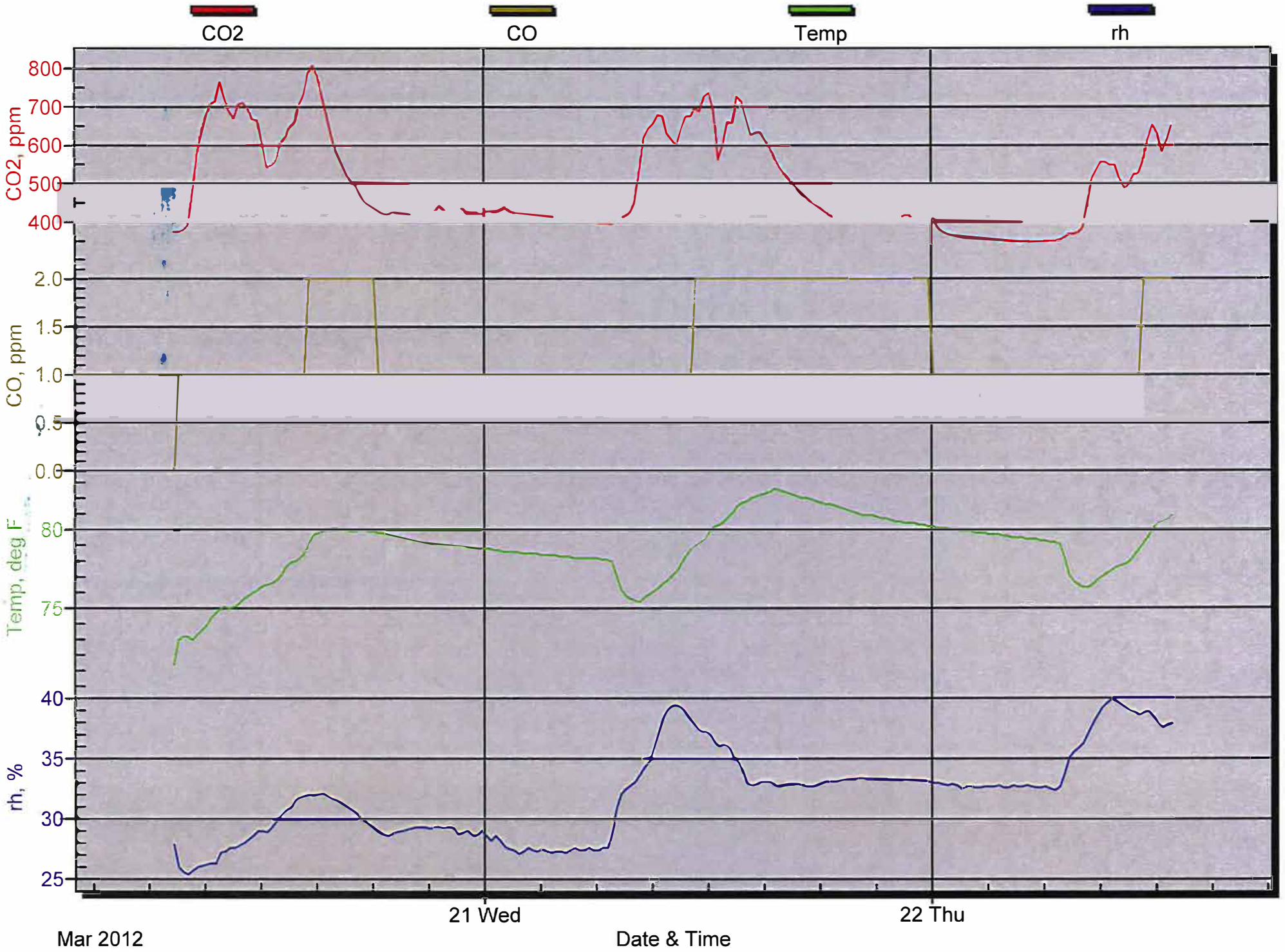
Library

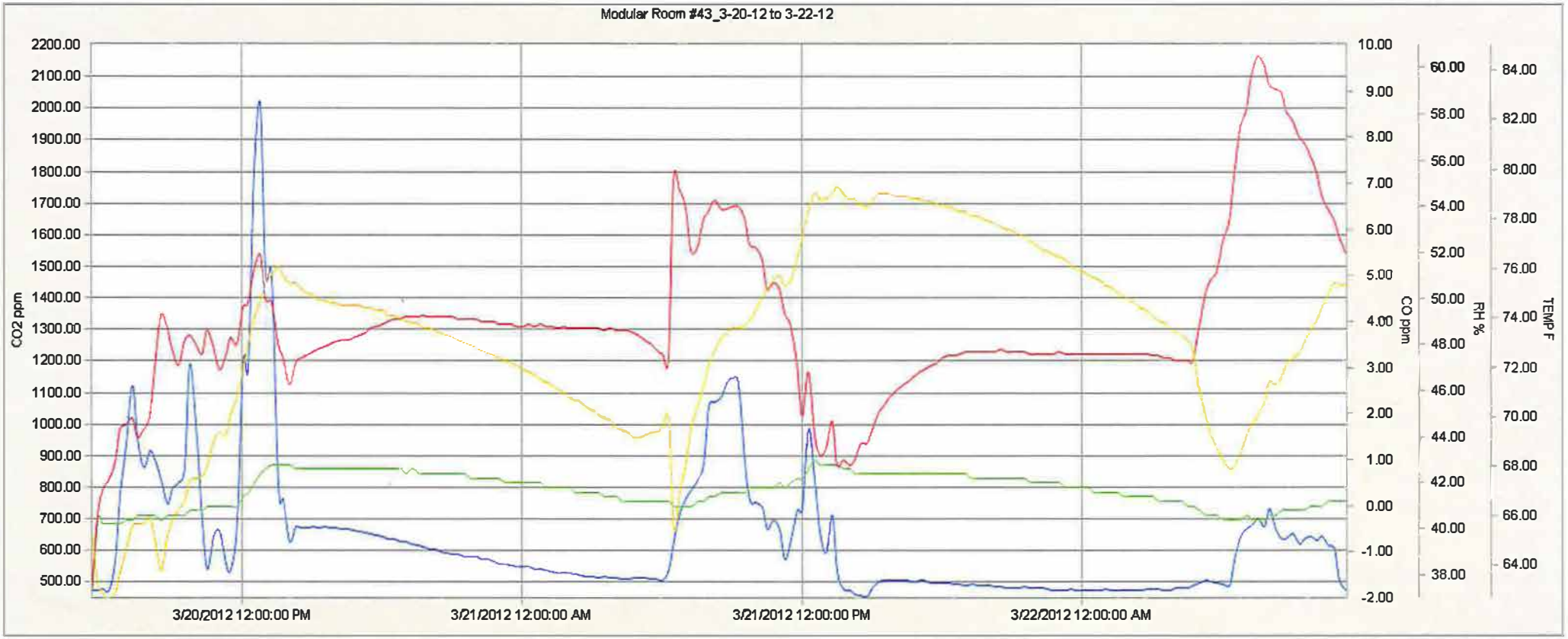
Rear of Room, Behind Librarian's Desk

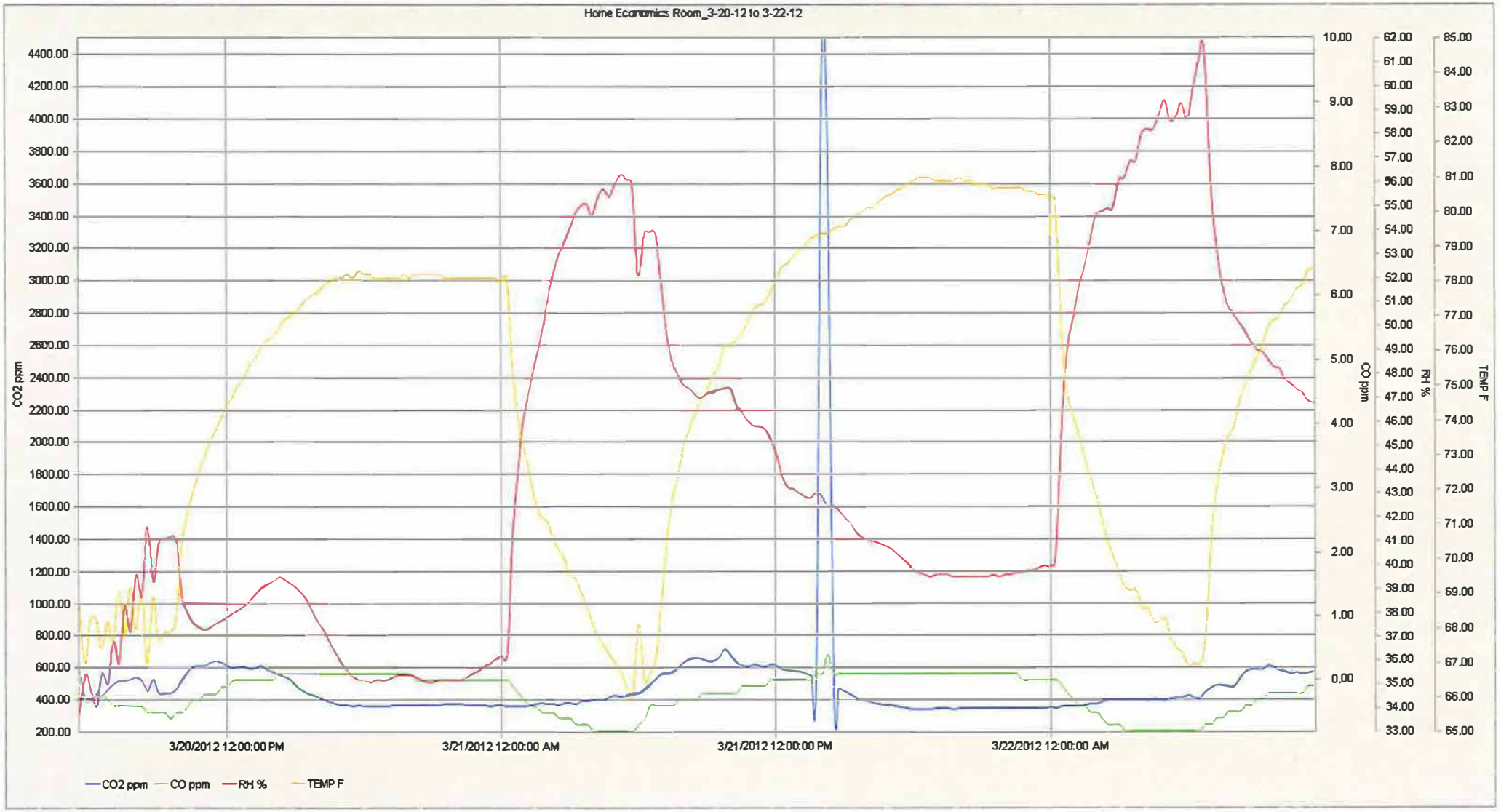


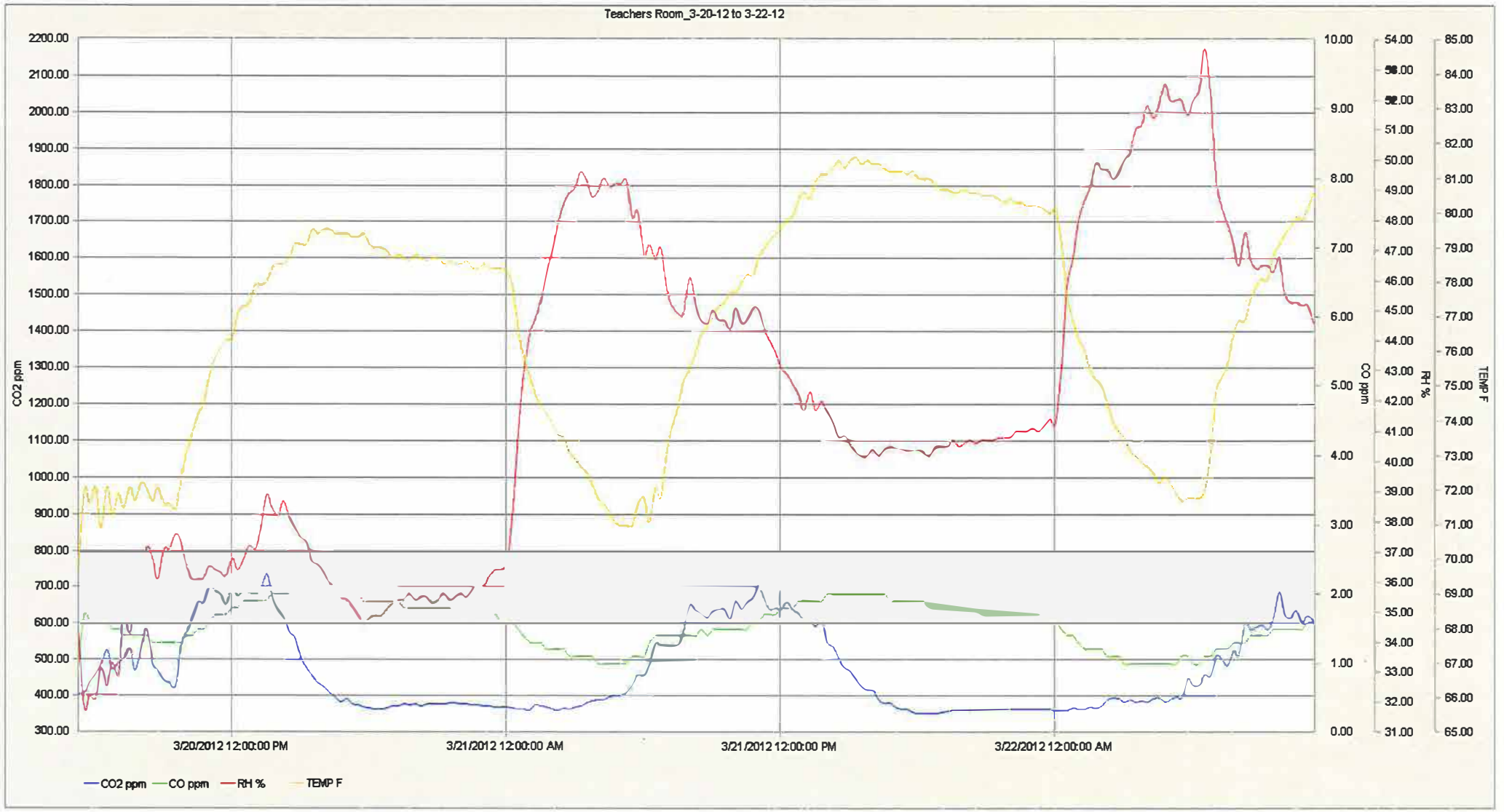
Business Department

Rear of Room




Modular Room #43_3-20-12 to 3-22-12
CO2 ppm
2200.00
2100.00
2000.00
1900.00
1800.00
1700.00
1600.00
1500.00
1400.00
1300.00
1200.00
1100.00
1000.00
900.00
800.00
700.00
600.00
500.00
CO ppm
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
-1.00
-2.00
RH %
60.00
58.00
56.00
54.00
52.00
50.00
48.00
46.00
44.00
42.00
40.00
38.00
TEMP F
84.00
82.00
80.00
78.00
76.00
74.00
72.00
70.00
68.00
66.00
64.00
3/20/2012 12:00:00 PM
3/21/2012 12:00:00 AM
3/21/2012 12:00:00 PM
3/22/2012 12:00:00 AM


Home Economics Room_3-20-12 to 3-22-12
CO2 ppm
CO ppm
RH %
TEMP F
4400.00
4200.00
4000.00
3800.00
3600.00
3400.00
3200.00
3000.00
2800.00
2600.00
2400.00
2200.00
2000.00
1800.00
1600.00
1400.00
1200.00
1000.00
800.00
600.00
400.00
200.00
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
62.00
61.00
60.00
59.00
58.00
57.00
56.00
55.00
54.00
53.00
52.00
51.00
50.00
49.00
48.00
47.00
46.00
45.00
44.00
43.00
42.00
41.00
40.00
39.00
38.00
37.00
36.00
35.00
34.00
33.00
85.00
84.00
83.00
82.00
81.00
80.00
79.00
78.00
77.00
76.00
75.00
74.00
73.00
72.00
71.00
70.00
69.00
68.00
67.00
66.00
65.00
3/20/2012 12:00:00 PM
3/21/2012 12:00:00 AM
3/21/2012 12:00:00 PM
3/22/2012 12:00:00 AM
CO2 ppm
CO ppm
RH %
TEMP F


Teachers Room_3-20-12 to 3-22-12
CO2 ppm
CO ppm
RH %
TEMP F
3/20/2012 12:00:00 PM
3/21/2012 12:00:00 AM
3/21/2012 12:00:00 PM
3/22/2012 12:00:00 AM
CO2 ppm
CO ppm
RH %
TEMP F