



**Alpha Environmental Services, Inc.**  
**Indoor Air Quality Screening Report – Extended Test Time**

Thursday, April 18, 2024

Scio Middle District and Harley Stephenson  
stephenh@sciok12.org

Re: Summary of Indoor Air Quality Measurement at 38875 NW 1st Ave, Scio, OR 97374  
Project No. 24-60631

Dear Scio Middle District:

Alpha Environmental Services, Inc. performed an indoor air quality test with a 75-hour sampling duration at the above-referenced address that began on 4/15/2024 and ended on 4/18/2024. The testing was conducted in the classroom using AQ Test System Serial # 32193. These test results represent the conditions that existed with respect to weather and operating conditions in the tested area during the period tested.

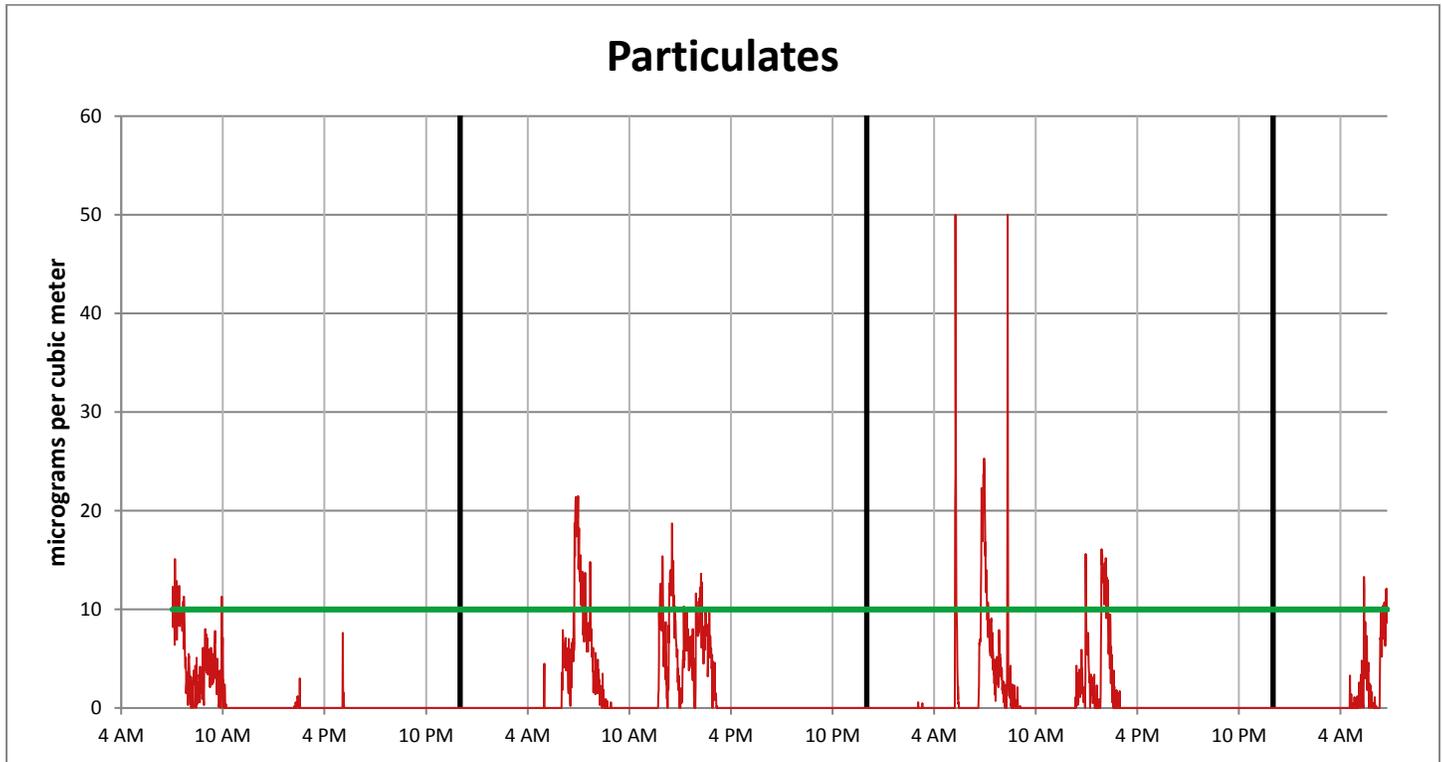
Results of the indoor air quality testing are included in the table below:

Measured Entity	Value (Average)	Remarks
Particulates (0.3 – 10 µm)	Overall: 1 µg/m <sup>3</sup> Highest Daily: 2 µg/m <sup>3</sup> Highest Hourly: 9 µg/m <sup>3</sup>	No action necessary. Particle levels were below 10 µg/m <sup>3</sup> . <sup>a</sup>
Total Volatile Organic Compounds (VOCs)	Overall: 270 µg/m <sup>3</sup> Highest Daily: 332 µg/m <sup>3</sup> Highest Hourly: 793 µg/m <sup>3</sup>	No action necessary. TVOC levels were below 500 µg/cm <sup>3</sup> . <sup>b</sup>
Carbon Dioxide (CO <sub>2</sub> )	Overall: 636 ppm Highest Daily: 726 ppm Highest Hourly: 1,256 ppm	No action necessary. Carbon dioxide levels were below 750 ppm. <sup>c</sup>
Temperature	Overall: 69 °F Lowest Daily: 68 °F Lowest Hourly: 66 °F	No action necessary. Temperature was between 60° F and 80° F. <sup>d</sup>
Relative Humidity	Overall: 39 % Lowest Daily: 34 % Lowest Hourly: 32 %	No action necessary. Relative humidity was between 30% and 60%. <sup>e</sup>
Carbon Monoxide (CO)	Overall: .45 ppm Highest Daily: .46 ppm Highest Hourly: .46 ppm	No action necessary. Carbon monoxide levels were below 6 ppm. <sup>f</sup>

If you have any questions regarding this letter or if we can be of further assistance, please contact us at (503) 292-5346.

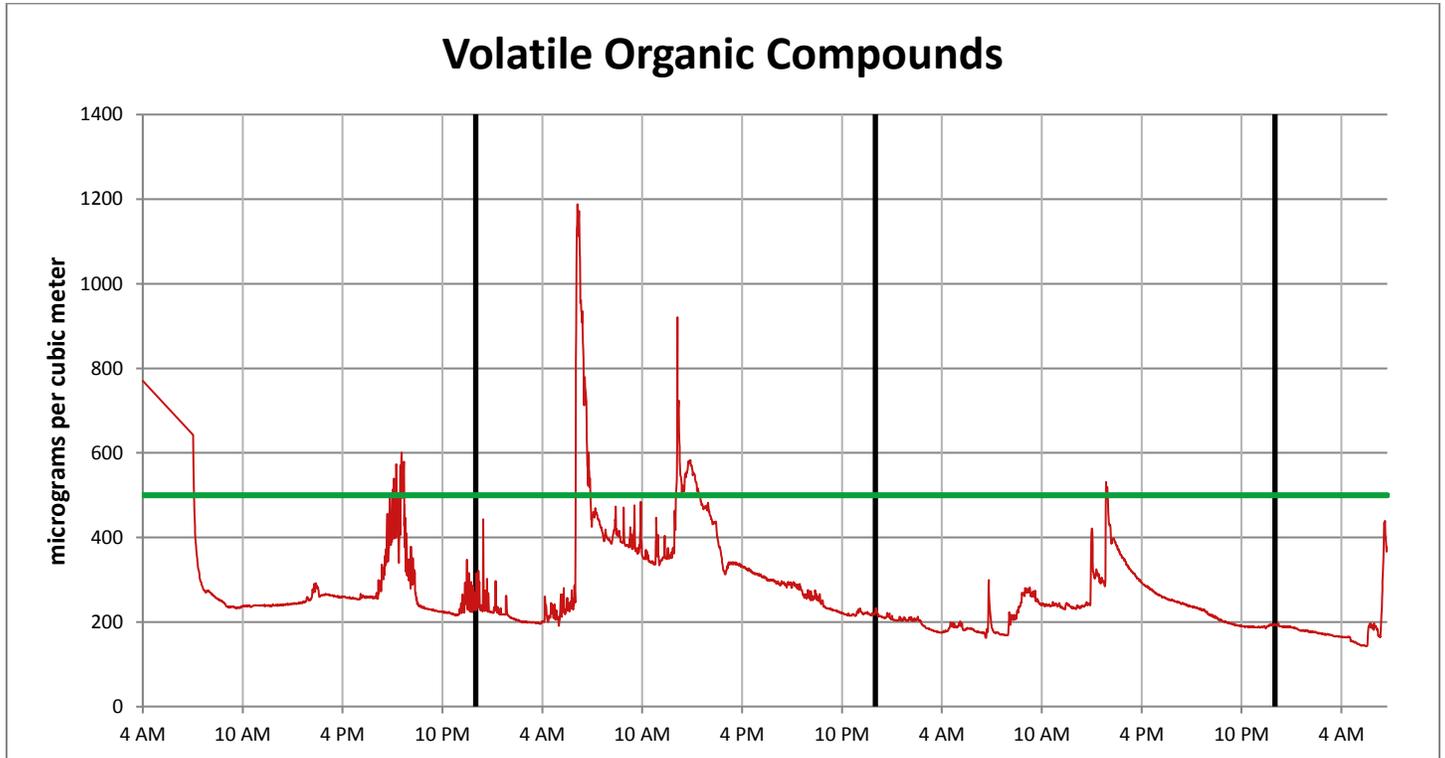
## **PARTICULATES**

Measured Entity	Value (Average)	Remarks
Particulates (0.3 – 10 µm)	Overall: 1 µg/m <sup>3</sup> Highest Daily: 2 µg/m <sup>3</sup> Highest Hourly: 9 µg/m <sup>3</sup>	No action necessary. Particulate levels were below 10 µg/m <sup>3</sup> . <sup>a</sup>



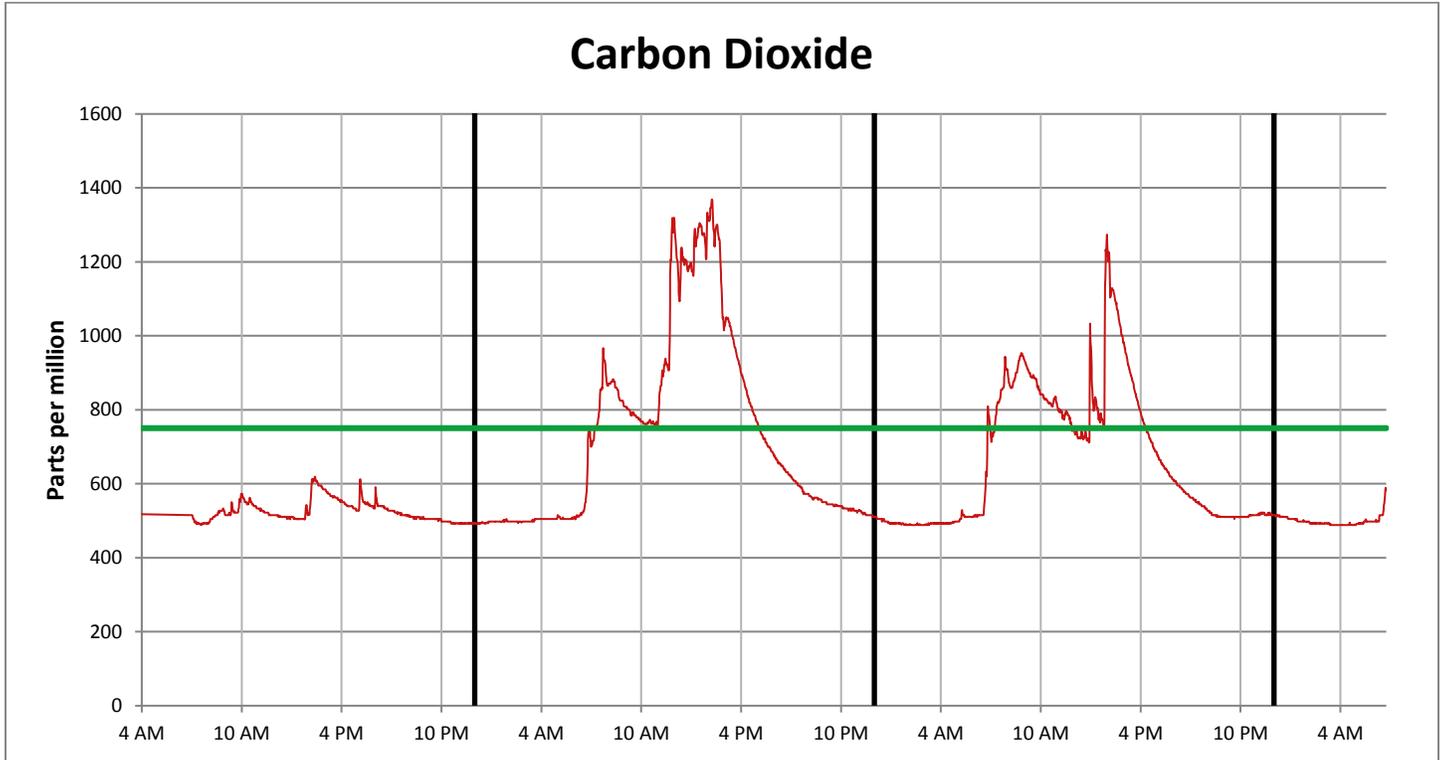
## TOTAL VOLATILE ORGANIC COMPOUNDS

Measured Entity	Value (Average)	Remarks
Total Volatile Organic Compounds (TVOCs)	Overall: 270 $\mu\text{g}/\text{m}^3$ Highest Daily: 332 $\mu\text{g}/\text{m}^3$ Highest Hourly: 793 $\mu\text{g}/\text{m}^3$	No action necessary. TVOC levels were below 500 $\mu\text{g}/\text{cm}^3$ . <sup>b</sup>



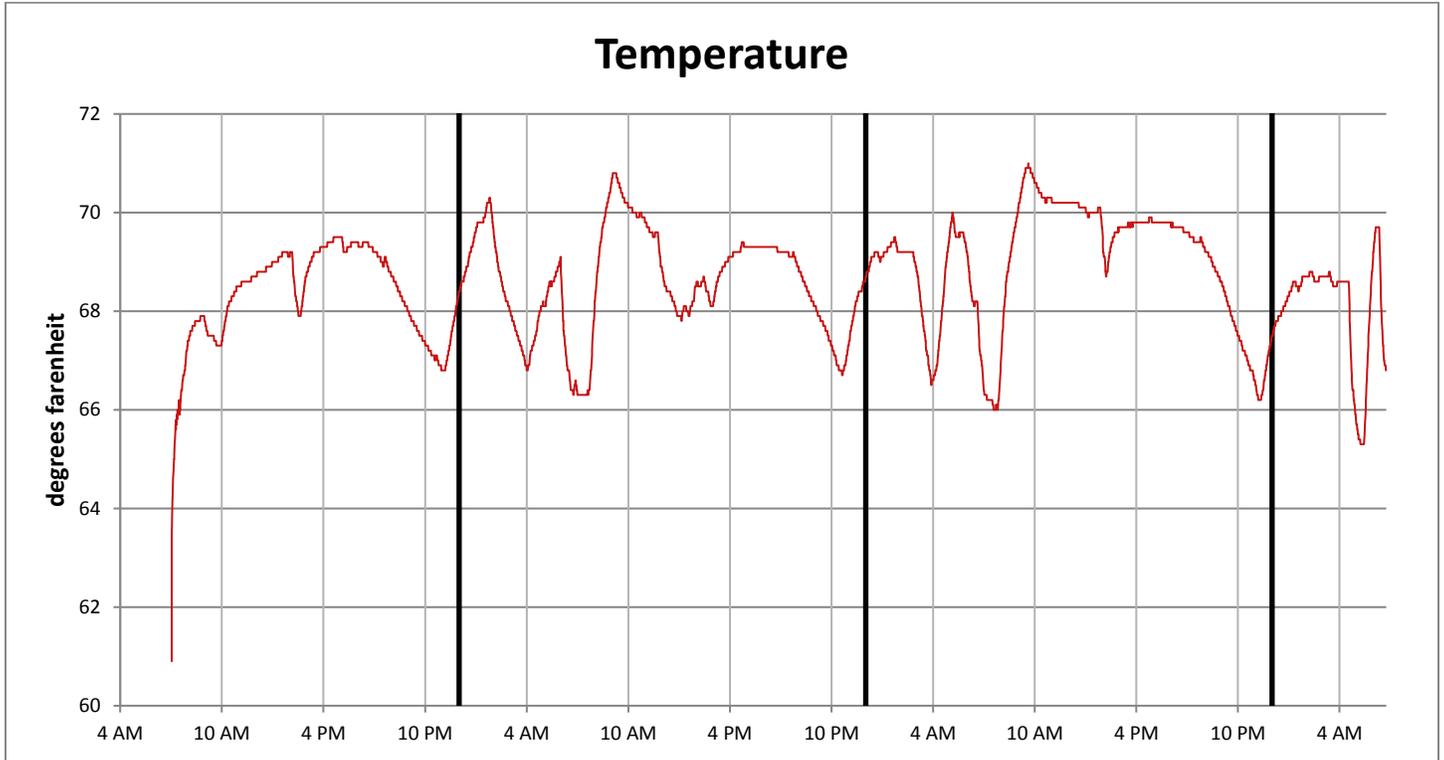
### **CARBON DIOXIDE**

Measured Entity	Value (Average)	Remarks
CO <sub>2</sub>	Overall: 636 ppm Highest Daily: 726 ppm Highest Hourly: 1,256 ppm	No action necessary. Carbon dioxide levels were below 750 ppm. c



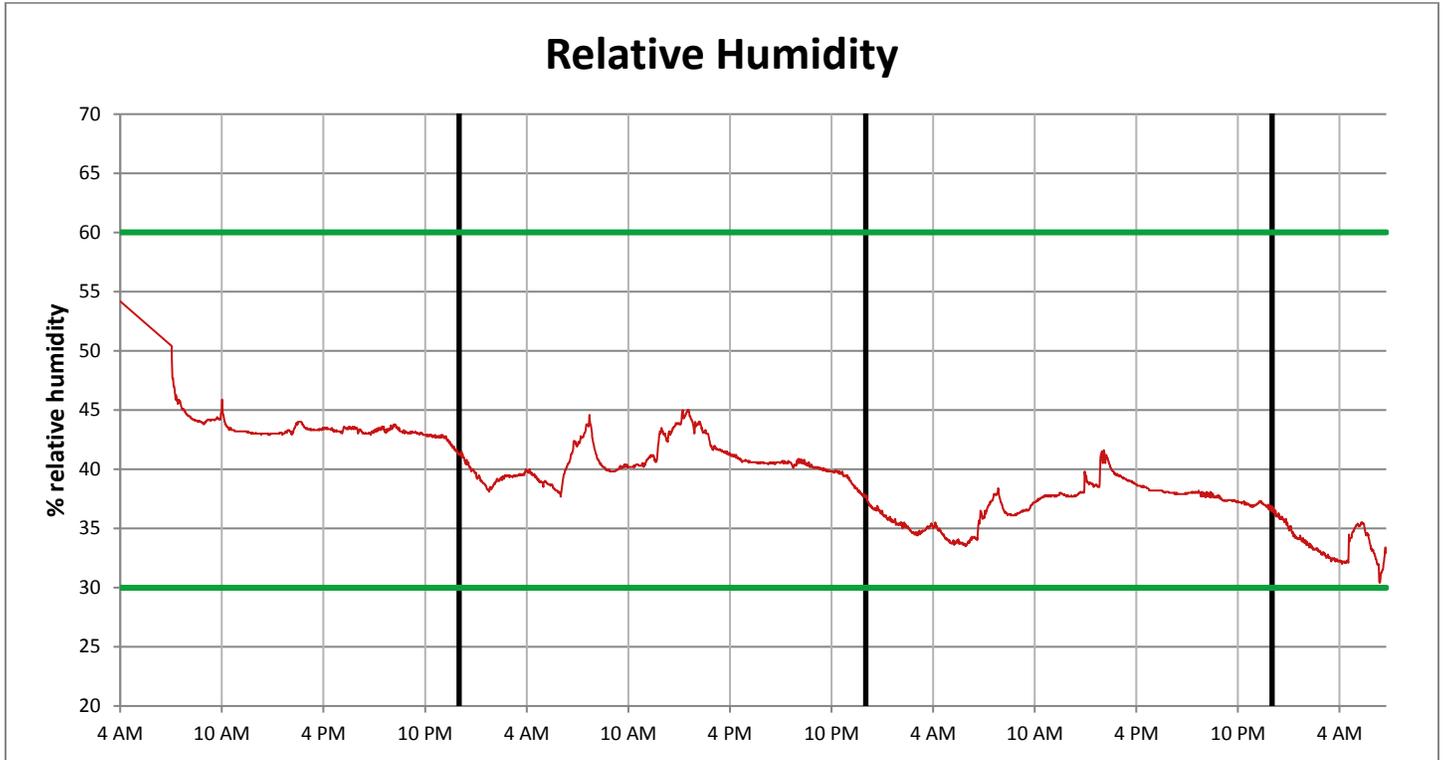
## TEMPERATURE

Measured Entity	Value (Average)	Remarks
Temperature	Overall: 69 ° F Lowest Daily: 68 ° F Lowest Hourly: 66 ° F	No action necessary. Temperature was between 60° F and 80° F. d



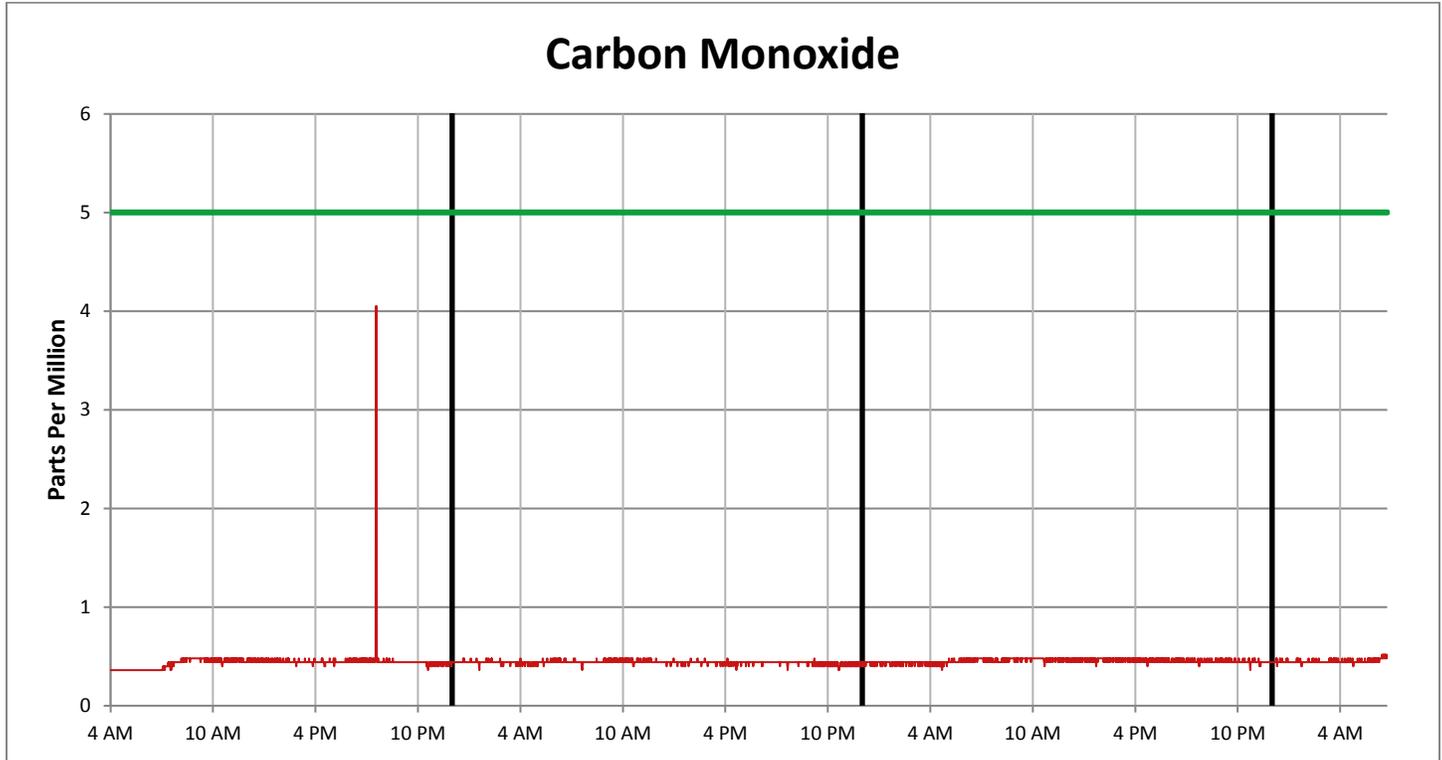
**RELATIVE HUMIDITY**

Measured Entity	Value (Average)	Remarks
Relative Humidity	Overall: 39 % Lowest Daily: 34 % Lowest Hourly: 32 %	No action necessary. Relative humidity was between 30% and 60%. <sup>e</sup>



## CARBON MONOXIDE

Measured Entity	Value (Average)	Remarks
Carbon Monoxide	Overall: .45 ppm Highest Daily: .46 ppm Highest Hourly: .46 ppm	No action necessary. Carbon monoxide levels were below 6 ppm. <sup>f</sup>



<sup>a</sup> American Lung Association, Environmental Protection Agency (EPA); Indoor Air Quality Association.  
<sup>b</sup> European Union (EU); Leadership in Energy & Environmental Design (LEED); Environmental Protection Agency (EPA).  
<sup>c</sup> EPA, Minnesota Dept. of Health  
<sup>d</sup> Alpha Environmental Guidelines  
<sup>e</sup> American Society of Heating, Refrigerating and Air-conditioning Engineers, Inc. (ASHRAE 62-2001)  
<sup>f</sup> US Environmental Protection Agency; World Health Organization (WHO); Indoor Air Quality Association (IAQA)

