



Environmental Consultants and Engineers

1818 New York Avenue Suite 217
Washington, DC 20002

www.globalincusa.net

May 8, 2026

Prince Georges County
Environmental Safety Office
13306 Old Marlboro Pike
Upper Marlboro, MD 20772

Attention: Mr. Alex Baylor

RE: Indoor Air Quality Screening Report

Global Project Number: 26-028

School: PGCPs Sasscer Administration Building Office 211 (14201 School Lane, Upper Marlboro, MD 20772)

Dear Mr. Baylor,

On April 28, 2026, Global Inc.'s (GLOBAL) team of Industrial Hygienists under the supervision of Certified Industrial Hygienist, Dr. Channa Bambaradeniya, conducted an Indoor Air Quality Screening at the Sasscer Administration Building located at 14201 School Lane, Upper Marlboro, MD 20772. The specific areas included Office #211 (A-G).

Methodology

The IAQ evaluation included a visual assessment, and real-time measurement of comfort parameters (temperature, humidity, carbon dioxide, and carbon monoxide), respirable particulate matter (PM_{2.5}um and PM₁₀um size classes), Total Volatile Organic Compounds (TVOC), and Formaldehyde in Office # 211.

During the visual assessment of the above locations, GLOBAL documented any areas with moisture intrusions, suspected microbial growth and any unusual odors.

Real-time measurements of IAQ parameters were obtained using calibrated portable digital instruments. The measurements were compared with relevant industry standards and guidelines.

Observations

All rooms in Office 211 were in clean condition. There were no unusual odors and/or any signs of moisture intrusion. No signs of microbial growth. All air vents were in clean condition. Relevant photos are provided in **Attachment 1**.



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IAQ Parameter Measurements

The real-time measurements of IAQ parameters are summarized in Table 1 below.

Table 1: Real-time measurements of IAQ parameters in Office #211

Location	Temperature (°F)	Humidity (%)	CO ₂ (ppm)	CO (ppm)	PM2.5 (µg/m ³)	PM10 (µg/m ³)	TVOC (ppm)	CH ₂ O (ppm)
Standard	ASHRAE 68 to 79°F	ASHRAE <65%	ASHRAE 1143	NAAQS <9	NAAQS 9	NAAQS 150	LEED 0.25	EPA 0.3
Ambient	62.6	53.3	443	0	3.3	3.8	0	0.03
211A	68.8	43.4	783	0	3.6	4.4	0	0.11
211B	69.8	43.1	761	0	3.2	3.6	0	0.11
211C	68.9	43.9	779	0	4.1	4.5	0	0.09
211D	68.9	44.7	772	0	4.4	5.3	0	0.06
211E	69.8	44.5	778	0	5.2	6.3	0	0.05
211F	69.8	44.0	768	0	2.3	3.4	0	0.05
211G	69.8	44.1	762	0	2.2	2.4	0	0.06

Temperature

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) have published recommendations for year-round acceptable temperatures in Standard 55-2016 (*Thermal Environmental Conditions for Human Occupancy*). The winter comfort range is 68 to 75°F and the summer comfort range is 73 to 79°F. It is important to note that ASHRAE standards are intended as a suggested guideline as opposed to a regulation. The indoor temperature readings in Office 211 (A-G) were within the ASHRAE Standard.

Relative Humidity (RH)

Relative humidity is a key factor for mold growth. Mold has the potential of growing on suitable surfaces with humidity levels above 60%. ASHRAE standard 62.1-2013 (*Ventilation for Acceptable Indoor Air Quality*) recommends a maximum indoor relative humidity of 65% to preclude the likelihood of condensation on cool surfaces encouraging mold growth. The indoor relative humidity readings in Office 211 were below the maximum ASHRAE recommended level of 65%.



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Carbon Monoxide

Carbon monoxide (CO) is a colorless and odorless gas that is produced by the incomplete combustion of carbon-containing fuels. Oil, gasoline, diesel fuels, wood, coke, and coal are the major sources of CO. All registered CO concentrations in Office 211 (A-G) were below the EPA National Ambient Air Quality Standard (NAAQS) of 9 ppm.

Carbon Dioxide

Under conditions of maximum occupancy, ASHRAE Standard 62.1-2013, Appendix C, infers that the acceptable carbon dioxide upper limit is the prevailing outdoor carbon dioxide concentration plus 700 parts per million (ppm). On April 28, 2026, the outdoor (ambient) carbon dioxide concentration was approximately 443 ppm so indoor concentrations should not exceed approximately 1143ppm (700 + 443). All indoor carbon dioxide measurements in Office 211 (A-G) were within the ASHRAE standards.

Respirable Particulates: The respirable particulate concentrations under the PM2.5 and PM10 size classes in Office 211 (A-G) were below the National Ambient Air Quality Standard (NAAQS) levels.

Total Volatile Organic Compounds (TVOC): The TVOC measurements within Office 211 (A-G) were within the LEED standard.

Formaldehyde: All Formaldehyde measurements within Office 211 (A-G) were below the EPA standard for air quality.

Conclusions and Recommendations

The real-time measurements of indoor air quality parameters within Office #211 on April 28, 2026 were within the applicable Industry Standards. Visual observations did not reveal any conditions that compromise healthy indoor air quality in Office # 211. Currently, we have no further recommendations.

It has been our pleasure to conduct these IAQ Screening services for the Prince Georges County Public School system. If you have any questions, please feel free to contact us.

Regards,

Channa Bambaradeniya, Ph.D., CIH, CSP, CHMM
Certified Industrial Hygienist
Global, Inc.
Mobile: 443-691-0455

Attachment I - Photo Catalog (Office #211)



211A - Photo 1



211A - Photo 2



211B - Photo 3



211B - Photo 4



211C - Photo 5



211C - Photo 6



211D - Photo 7



211D - Photo 8



211E - Photo 9



211E - Photo 10



211F - Photo 11



211F - Photo 12



211G - Photo 13



211G - Photo 14