

Site: Cesar Chavez Elementary School

Address: 6609 Riggs Rd, Chillum, MD 20782

Site Visit Date: April 21, 2026

Indoor Air Quality (IAQ) Parameter Readings

IAQ Parameter	CH2O (ppm)	TVOC (ppm)	CO (ppm)	CO2 (ppm)	PM2.5 (ug/m3)	PM10.0 (ug/m3)
Industry Standard	OSHA PEL 0.75	LEED 0.25	NAAQS <9	ASHRAE <(700+484)	NAAQS 9	NAAQS 150
Location						
Ambient	0	0	1	484	7.9	9.2
Room 13	0.21	0.10	0	890	2.7	3.6
Room 4	0.08	0	1	860	3.0	4.5
Room 14	0.09	0	0	875	2.6	3.0
Room 11	0.02	0	2	706	1.8	3.0
Room 3	0.14	0	1	895	1.4	2.5

Realtime Measurements of the above IAQ parameters were performed with calibrated field instruments mentioned below:

IAQ Parameter	Instrument
Formaldehyde (CH2O)	Extech VFM200 Meter
Total Volatile Organic Compounds (TVOC)	MiniRAE 3000 Photo Ionization Detector
Carbon Monoxide (CO) / Carbon Dioxide (CO2)	FLUKE 975 IAQ Meter
Respirable Particulates (PM2.5 / PM10)	TempTop M2000C IAQ Meter

Conclusions:

The real-time measurement of Formaldehyde, Total Volatile Organic Compounds, Carbon Monoxide, Carbon Dioxide and Respirable Particulate Matter (PM 2.5 and PM 10 Size Classes) in the five classrooms tested were within the applicable industry standards.



Channa Bambaradeniya, Ph.D., CIH, CSP, CHMM

Certified Industrial Hygienist