DGS School Indoor Air Quality Monthly Report

Month and Year Reporting: April 2022



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Building Number	School Name	Operating Air cleaners QTV	Last Classroom Filter Change (HEPA)	Next Classroom Filter Change (HEPA)	Percent of PM2.5 Events	Maximum CO ₂ Level Over the Month (PP M) (2)	Maximum CO ₂ Level Cleared within 90 minutes (Y/N)	Average CO2 Level the the Month (PPM) (3)	CO2 Vertilation Range Per Average CO2 (4)	Air Quality Score nbined PM 2.5 and CO2 Ventilation) (5)	Infection Risk of Airborne Virus (Wells-Riley) (6)	Comments
		Ope	Last (Next	Per	Ž	Maxii wit	Overt	00	(Com	nfectii	
202	Aiton	49	11/2021	06/2022	0%	2285	Y	486	CO2 within 10%	Excellent	-	
203	Amidon	38	11/2021	06/2022	0%	1344	Y	472	CO2 within 10%	Excellent	-	
450 452	Anacostia Ballou/Ballou STAY	54 114	11/2021 11/2021	06/2022 06/2022	0%	757 1216	Y	439 441	CO2 within 10%	Excellent Excellent	-	
204	Bancroft	58	11/2021	06/2022	0%	1114	Y	485	CO2 within 10%	Excellent	-	
402 205	Banneker Barnard	56 53	11/2021 11/2021	06/2022 06/2022	0%	1949 2580	Y	503 536	CO2 within 10% CO2 within 25%	Excellent Excellent	-	
206 208	Beers Birney	50 54	11/2021 11/2021	06/2022 06/2022	0% 0%	3271 3556	Y	545 560	CO2 within 25% CO2 within 25%	Very Good Very Good	-	
291	Boone(fomerly Orr ES)	45	11/2021	06/2022	0%	1494	Y	512	CO2 within 10%	Excellent	-	
212 213	Brent Brightwood	36 49	11/2021 11/2021	06/2022 06/2022	0%	3723 1429	Y	523 468	CO2 within 10%	Very Good Excellent		
347	Brookland	49	11/2021	06/2022	0%	1311	Y	457	CO2 within 10%	Excellent	-	
404 296	Browne Bruce Monroe@Park View	73 51	11/2021 11/2021	06/2022 06/2022	0%	2862 2916	Y	522 495	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
219 476	Bunker Hill Burdick- Dorothy Height	48 37	11/2021 11/2021	06/2022 06/2022	0% 0%	1906 644	Y	464 456	CO2 within 10% CO2 within 10%	Excellent Excellent	-	(7) 1329 PPM
220	Burroughs	43	11/2021	06/2022	0%	1620	Y	482	CO2 within 10%	Excellent	-	(7) 1329 PPINI
221 360	Burrville Capitol Hill Montessori School @ Logan	37 41	11/2021 11/2021	06/2022 06/2022	0%	1581 1685	Y	467 473	CO2 within 10%	Excellent Excellent	-	
454	Cardozo	81	11/2021	06/2022	0%	1792	Y	470	CO2 within 10%	Excellent	-	
224 442	Cleveland Columbia Heights(CHEC)	32 99	11/2021 11/2021	06/2022 06/2022	0%	1774 622	Y	486 492	CO2 within 10%	Excellent Excellent	-	
227	Cooke, H.D.	44	11/2021	06/2022	0%	1278	Y	485	CO2 within 10%	Excellent	-	
455 229	Coolidge HS & Wells MS Davis	68 43	11/2021 11/2021	06/2022 06/2022	0%	2746 1836	Y	531 506	CO2 within 10% CO2 within 10%	Excellent Excellent	-	(7) 1315 PPM
405 231	Deal Drew	77 46	11/2021 11/2021	06/2022 06/2022	0% 0%	2004 2596	Y Y	475 498	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
471	Duke Ellington School of the Arts	92	11/2021	06/2022	0%	2209	Y	463	CO2 within 10%	Excellent	-	
467 457	Dunbar Eastern	77 93	11/2021 11/2021	06/2022 06/2022	0% 0%	2448 1687	Y	520 455	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
232	Eaton	35	11/2021	06/2022	0%	1421	Y	482	CO2 within 10%	Excellent	-	
407 409	Eliot-Hine School Without Walls- Francis Steven	38 50	11/2021 11/2021	06/2022 06/2022	0%	1319 2594	Y	447 520	CO2 within 10%	Excellent Excellent	-	
208	Garfield	44	11/2021 11/2021	06/2022	0%	1696	Y Y	507	CO2 within 10% CO2 within 10%	Excellent		/7) 040 DD: *
239 242	Garrison Goding	46	11/2021	06/2022 06/2022	0%	1388 3162	Y	441 566	CO2 within 10%	Excellent Very Good	-	(7) 840 PPM
246 247	Hardy Harris, C.W.	56 37	11/2021 11/2021	06/2022 06/2022	0%	1044 1036	Y	461 457	CO2 within 10%	Excellent Excellent	-	
413	Hart	82	11/2021	06/2022	0%	2131	Y	503	CO2 within 10%	Excellent	-	
258 249	Hearst Hendley	35 43	11/2021 11/2021	06/2022 06/2022	0%	1713 2210	Y	455 464	CO2 within 10%	Excellent Excellent	-	
251	Houston	46	11/2021	06/2022	0%	2341	Y	597	CO2 within 25% CO2 within 10%	Excellent	-	
252 254	Hyde-Addison Janney	31 55	11/2021 11/2021	06/2022 06/2022	0%	2442 1998	Y	529 516	CO2 within 10%	Excellent Excellent	-	
415 416	Jefferson Middle School Academy Johnson, John Hayden	50 51	11/2021 11/2021	06/2022 06/2022	0%	2294 1328	Y	451 434	CO2 within 10%	Excellent Excellent	-	
421	Kelly Miller	54	11/2021	06/2022	0%	1076	Y	490	CO2 within 10%	Excellent	-	
257 272	Ketcham	40 33	11/2021 11/2021	06/2022 06/2022	0%	1746 2382	Y	460 546	CO2 within 10% CO2 within 25%	Excellent Very Good	-	
259	Kimball	40	11/2021	06/2022	0%	1949	Y	474	CO2 within 10%	Excellent	-	
417	King, M.L. Kramer	45	11/2021 11/2021	06/2022 06/2022	0%	1219	Y	464	CO2 within 10%	Excellent	-	
261 262	Lafayette Langdon	65 44	11/2021 11/2021	06/2022 06/2022	0%	1512 1917	Y	478 495	CO2 within 10%	Excellent Excellent	-	
418	Langley	51	11/2021	06/2022	0%	3619	Y	520	CO2 within 10%	Excellent	-	
264 266	LaSalle-Backus Leckie	44 45	11/2021 11/2021	06/2022 06/2022	0%	1044 1524	Y	458 471	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
271 884	Ludlow-Taylor Luke C. Moore Alternative	44 32	11/2021 11/2021	06/2022 06/2022	0% 0%	1295 1096	Y	466 449	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
420	MacFarland	47	11/2021	06/2022	0%	1668	Y	491	CO2 within 10%	Excellent	-	
308 273	Malcolm X @ Green Mann	47	11/2021 11/2021	06/2022 06/2022	0%	3126 2023	Y	517 453	CO2 within 10%	Excellent Excellent	-	
284	Marie Reed	47	11/2021	06/2022	0%	2891	Y	545	CO2 within 25%	Very Good	-	(7) 507 0014
274 458	Maury McKinley	49 50	11/2021 11/2021	06/2022 06/2022	0%	1454 1622	Y	541 456	CO2 within 25% CO2 within 10%	Excellent Excellent	-	(7) 587 PPM
278 280	Meyer Miner	44	11/2021 11/2021	06/2022 06/2022	0%	2756 2236	Y	531 484	CO2 within 10%	Excellent Excellent		
285	Moten	59	11/2021	06/2022	0%	1125	Y	432	CO2 within 10%	Excellent	-	
287 288	Murch Nalle	55 49	11/2021 11/2021	06/2022 06/2022	0%	2443 1305	Y	473 461	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
290 201	Noyes Oyster-Adams Bilingual School (Adams)	34 36	11/2021 11/2021	06/2022 06/2022	0% 0%	1015 1140	Y	442 450	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
292	Oyster-Adams Bilingual School (Oyster)	31	11/2021	06/2022	0%	1108	Y	490	CO2 within 10%	Excellent	-	
294 295	Patterson, W. B. Payne	39 50	11/2021 11/2021	06/2022 06/2022	0%	1684 1986	Y	542 503	CO2 within 25% CO2 within 10%	Excellent Excellent	-	
301 478	Peabody(Capitol Hill Cluster) Phelps ACE	25 57	11/2021 11/2021	06/2022 06/2022	0% 0%	1510 872	Y	492 459	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
299	Plummer	40	11/2021	06/2022	0%	2505	Y	513	CO2 within 10%	Excellent	-	(7) 988 PPM
300 316	Powell Randle Highlands	48	11/2021 11/2021	06/2022 06/2022	0%	2387 1171	Y	513 447	CO2 within 10%	Excellent Excellent	-	
304 436	River Terrace Ron Brown College Preparatory	39 50	11/2021 11/2021	06/2022 06/2022	0%	1039 913	Y	450 493	CO2 within 10%	Excellent Excellent		
459	Roosevelt STAY	75	11/2021	06/2022	0%	1308	Y	463	CO2 within 10%	Excellent	-	
305 307	Ross Savoy	16 48	11/2021 11/2021	06/2022 06/2022	0% 0%	2108 2172	Y	503 463	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
243	School Without Walls HS	39	11/2021	06/2022	0%	2362	Y	517	CO2 within 10%	Excellent	-	
309 313	Seaton Shepherd	50 41	11/2021 11/2021	06/2022 06/2022	0%	1957 1849	Y	471 465	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
315 256	Simon Smothers Swing(Kenilworth)	36 36	11/2021 11/2021	06/2022 06/2022	0%	1891 1579	Y	459 291	CO2 within 10%	Excellent Excellent		(7) 770 PPM
427	Sousa	58	11/2021	06/2022	0%	1069	Y	495	CO2 within 10%	Excellent	-	(7) 770 FFWI
319 320	Stanton Stevens	53 26	11/2021 11/2021	06/2022 06/2022	0% 0%	4123 1222	Y	568 467	CO2 within 25% CO2 within 10%	Very Good Excellent	-	
321	Stoddert	39	11/2021	06/2022	0%	2561	Y	519	CO2 within 10%	Excellent	-	
428 324	Stuart-Hobson(Capitol Hill Cluster) Takoma	51 61	11/2021 11/2021	06/2022 06/2022	0%	2682 994	Y	519 471	CO2 within 10%	Excellent Excellent	-	
325 326	Thomas, Neval Thomson, Strong John	51 39	11/2021 11/2021	06/2022 06/2022	0% 0%	2196 1017	Y	521 446	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
327	Truesdell	40	11/2021	06/2022	0%	2697	Y	525	CO2 within 10%	Excellent	-	
328 329	Tubman Turner	47 51	11/2021 11/2021	06/2022 06/2022	0%	1457 2356	Y	478 521	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
330 331	Tyler Van Ness	52 48	11/2021 11/2021	06/2022 06/2022	0%	1293 1164	Y Y	506 466	CO2 within 10% CO2 within 10%	Excellent Excellent		(7) 1373 PPM
332	Walker-Jones	63	11/2021	06/2022	0%	1380	Y	471	CO2 within 10%	Excellent	-	(7) 655 PPM
333 312	Watkins (Capitol Hill Cluster) West Elementary	43 39	11/2021 11/2021	06/2022 06/2022	0% 0%	3429 1749	Y	497 492	CO2 within 10% CO2 within 10%	Excellent Excellent	-	(7) 780 PPM
337	Wheatley	48	11/2021	06/2022	0%	1698	Y	470	CO2 within 10%	Excellent		(7) 652 PPM
338 339	Whittier Wilson, J.O.	53 48	11/2021 11/2021	06/2022 06/2022	0%	1641 1291	Y	532 450	CO2 within 10%	Excellent Excellent	-	(7) 726 PPM
463 464	Wilson, Woodrow Woodson, H.D.	94 64	11/2021 11/2021	06/2022 06/2022	0% 0%	2707 1075	Y	496 455	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
	Кеу	1			Overall Sch							
	- ,					(DDM)	-	486				

(PPM)

(1) PM2.5 Events are based on alarms received from the color sensors that detect particulate levels above the threshold measured in ugg/m²(3). This threshold must exceed and stay exceeded for over 90 minutes.

(2) Maximum level for CO2 that was reached in the month at any single sensor in the school.

(3) Average baseline CO2 levels for the reporting month aggregating all sensors installed in the school.

(4) CO2 Vertilation compares each school with the Overall School System Average (PPM). Ex: School A avg. CO2 = 451 ppm. School system avg. = 446. CO2 range is (451-446)/446 - 1.19 from system range. Report indicates CO2 is within 10% of system average.

(5) Air quality score is based on conombined percent CO2 Ventilation percent, maximum CO2 and the number of PM 2.5 threshold events. "Good" will be based on CO2 ppm within 45% of avg, max level under 4000 and less than 45% PM 2.5 events," Very dod "will be based on CO2 ppm within 5% for avg and less than 25% PM 2.5 events, "Eventent" will be based on CO2 ppm within 6% of avg and less than 10% PM 2.5 events. IAQ outside of these parameters will be defined as "Fair".

(6) Wells-Riley estimates under 10% are considered excellent for a closed space. Many factors, such as older kids, more infectors or more time of exposure shall effect the risk index. The Wells-Riley calculation method is used to enhance the school's HVAC upgrades and align with the COC and ASHRAE guidance on ventilation. Wells-Riley calculations are considered inapplicable due to the risk of infection not accounting for the new COVID-19 variant, Omicron, quanta generation number.

(7) Maximum CO2 in ppm data received in April 2022 via mobile sensors to account for readings in areas where a subset of sensors is under repair. Please note that in the scenario in which mobile sensors have been used, the overall rating incorporates data from different points and the building control systems in time across months, including the prior month's average CO2 and Maximum CO2 level, to create a ventilation prof



DGS School Indoor Air Quality Monthly Report

Month and Year Reporting: April 2022



Building Number	School Name	Operating Air cleaners QTY	Last Classroom Fiter Change (HEPA)	Next Classroom Filter Change (HEPA)	Percent of PMZ.5 Events	Maximum CO ₂ Level Over the Month (PPM) (2)	Maximum CO. Level Cleared within 90 minutes (Y/N)	Average CO2 Level Over the the Month (PPM) (3)	CO2 Ventilation Range Per Average CO2 (4)	Air Quality Score (Combined PM 2.5 and CO2 Ventilation) (5)	Infection Risk of Airborne Virus (Wells-Riley) (6)	Comments
202 203	Aiton Amidon	49 38	11/2021 11/2021	06/2022 06/2022	0%	2285 1344	Y	486 472	CO2 within 10%	Excellent Excellent	-	
450 452	Anacostia Ballou/Ballou STAY	54 114	11/2021 11/2021	06/2022 06/2022	0%	757 1216	Y	439 441	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
204	Bancroft	58	11/2021	06/2022	0%	1114	Y	485	CO2 within 10%	Excellent	-	
402 205	Banneker Barnard	56 53	11/2021 11/2021	06/2022 06/2022	0%	1949 2580	Y	503 536	CO2 within 10% CO2 within 25%	Excellent Very Good	-	
206 208	Beers Birney	50 54	11/2021 11/2021	06/2022 06/2022	0%	3271 3556	Y	545 560	CO2 within 25% CO2 within 25%	Very Good Very Good	-	
291	Boone(fomerly Orr ES)	45	11/2021	06/2022	0%	1494	Y	512	CO2 within 10%	Excellent	-	
212 213	Brent Brightwood	36 49	11/2021 11/2021	06/2022 06/2022	0%	3723 1429	Y	523 468	CO2 within 10% CO2 within 10%	Very Good Excellent	-	
347 404	Brookland Browne	49 73	11/2021 11/2021	06/2022 06/2022	0% 0%	1311 2862	Y Y	457 522	CO2 within 10%	Excellent Excellent	-	
296	Bruce Monroe@Park View	51	11/2021	06/2022	0%	2916	Y	495	CO2 within 10%	Excellent	-	
219 476	Bunker Hill Burdick- Dorothy Height	48 37	11/2021 11/2021	06/2022 06/2022	0%	1906 644	Y	464 456	CO2 within 10%	Excellent Excellent	-	(7) 1329 PPM
220 221	Burroughs Burrville	43	11/2021	06/2022	0%	1620 1581	Υ	482 467	CO2 within 10%	Excellent Excellent		
360	Capitol Hill Montessori School @ Logan	37 41	11/2021 11/2021	06/2022 06/2022	0%	1685	Y	473	CO2 within 10% CO2 within 10%	Excellent	-	
454 224	Cardozo Cleveland	81 32	11/2021 11/2021	06/2022 06/2022	0%	1792 1774	Y	470 486	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
442	Columbia Heights(CHEC)	99	11/2021	06/2022	0%	622	Y Y	492	CO2 within 10% CO2 within 10%	Excellent	-	
227 455	Cooke, H.D. Coolidge HS & Wells MS	44 68	11/2021 11/2021	06/2022 06/2022	0%	1278 2746	Y	485 531	CO2 within 10%	Excellent Excellent	-	
229 405	Davis Deal	43 77	11/2021 11/2021	06/2022 06/2022	0%	1836 2004	Y	506 475	CO2 within 10%	Excellent Excellent		(7) 1315 PPM
231	Drew	46	11/2021	06/2022	0%	2596	Υ	498	CO2 within 10%	Excellent	-	
471 467	Duke Ellington School of the Arts Dunbar	92 77	11/2021 11/2021	06/2022 06/2022	0%	2209 2448	Y	463 520	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
457 232	Eastern Eaton	93 35	11/2021 11/2021	06/2022 06/2022	0%	1687 1421	Y	455 482	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
407	Eliot-Hine	38	11/2021	06/2022	0%	1319	Y	447	CO2 within 10%	Excellent	-	
409 208	School Without Walls- Francis Steven Garfield	50 44	11/2021 11/2021	06/2022 06/2022	0% 0%	2594 1696	Y	520 507	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
239 242	Garrison Goding	38 46	11/2021 11/2021	06/2022 06/2022	0%	1388 3162	Y Y	441 566	CO2 within 10% CO2 within 25%	Excellent Very Good	-	(7) 840 PPM
246	Hardy	56	11/2021	06/2022	0%	1044	Υ	461	CO2 within 10%	Excellent	-	
247 413	Harris, C.W. Hart	37 82	11/2021 11/2021	06/2022 06/2022	0%	1036 2131	Y	457 503	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
258 249	Hearst Hendley	35 43	11/2021 11/2021	06/2022 06/2022	0%	1713 2210	Y Y	455 464	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
251	Houston	46	11/2021	06/2022	0%	2341	Y	597	CO2 within 25%	Very Good	-	
252 254	Hyde-Addison Janney	31 55	11/2021	06/2022 06/2022	0%	2442 1998	Y	529 516	CO2 within 10%	Excellent Excellent	-	
415 416	Jefferson Middle School Academy	50 51	11/2021 11/2021	06/2022 06/2022	0%	2294 1328	Y Y	451 434	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
416	Johnson, John Hayden Kelly Miller	54	11/2021	06/2022	0%	1076	Y	490	CO2 within 10%	Excellent	-	
257 272	Ketcham Key	40 33	11/2021 11/2021	06/2022 06/2022	0%	1746 2382	Y	460 546	CO2 within 10% CO2 within 25%	Excellent Very Good	-	
259	Kimball	40	11/2021	06/2022	0%	1949	Y	474	CO2 within 10%	Excellent	-	
344 417	King, M.L. Kramer	41 45	11/2021 11/2021	06/2022 06/2022	0%	1561 1219	Y	461 464	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
261 262	Lafayette Langdon	65 44	11/2021 11/2021	06/2022 06/2022	0% 0%	1512 1917	Y Y	478 495	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
418	Langley	51	11/2021	06/2022	0%	3619	Y	520	CO2 within 10%	Excellent	-	
264 266	LaSalle-Backus Leckie	44 45	11/2021 11/2021	06/2022 06/2022	0%	1044 1524	Y	458 471	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
271 884	Ludlow-Taylor Luke C. Moore Alternative	44 32	11/2021 11/2021	06/2022 06/2022	0%	1295 1096	Y Y	466 449	CO2 within 10%	Excellent Excellent	-	
420	MacFarland	47	11/2021	06/2022	0%	1668	Υ	491	CO2 within 10%	Excellent	-	
308 273	Malcolm X @ Green Mann	47 40	11/2021 11/2021	06/2022 06/2022	0%	3126 2023	Y	517 453	CO2 within 10%	Excellent Excellent	-	
284 274	Marie Reed Maury	47 49	11/2021 11/2021	06/2022 06/2022	0% 0%	2891 1454	Y Y	545 541	CO2 within 25% CO2 within 25%	Very Good Very Good	-	(7) 587 PPM
458	McKinley	50	11/2021	06/2022	0%	1622	Υ	456	CO2 within 10%	Excellent	-	(7) 367 FFWI
278 280	Meyer Miner	44	11/2021 11/2021	06/2022 06/2022	0%	2756 2236	Y	531 484	CO2 within 10%	Excellent Excellent	-	
285 287	Moten Murch	59 55	11/2021 11/2021	06/2022 06/2022	0%	1125 2443	Y Y	432 473	CO2 within 10%	Excellent Excellent	-	
288	Nalle	49	11/2021	06/2022	0%	1305	Y	461	CO2 within 10%	Excellent	-	
290 201	Noyes Oyster-Adams Bilingual School (Adams)	34 36	11/2021 11/2021	06/2022 06/2022	0%	1015 1140	Y	442 450	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
292 294	Oyster-Adams Bilingual School (Oyster) Patterson, W. B.	31 39	11/2021 11/2021	06/2022 06/2022	0% 0%	1108 1684	Y Y	490 542	CO2 within 10% CO2 within 25%	Excellent Very Good	-	
295	Payne	50	11/2021	06/2022	0%	1986	Υ	503	CO2 within 10%	Excellent	-	
301 478	Peabody(Capitol Hill Cluster) Phelps ACE	25 57	11/2021 11/2021	06/2022 06/2022	0%	1510 872	Y	492 459	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
299 300	Plummer Powell	40 48	11/2021 11/2021	06/2022 06/2022	0%	2505 2387	Y Y	513 513	CO2 within 10%	Excellent Excellent	-	(7) 988 PPM
316	Randle Highlands	44	11/2021	06/2022	0%	1171	Y	447	CO2 within 10%	Excellent	-	
304 436	River Terrace Ron Brown College Preparatory	39 50	11/2021 11/2021	06/2022 06/2022	0% 0%	1039 913	Y	450 493	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
459 305	Roosevelt STAY Ross	75 16	11/2021 11/2021	06/2022 06/2022	0% 0%	1308 2108	Y Y	463 503	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
307	Savoy	48	11/2021	06/2022	0%	2172	Υ	463	CO2 within 10%	Excellent	-	
243 309	School Without Walls HS Seaton	39 50	11/2021 11/2021	06/2022 06/2022	0%	2362 1957	Y	517 471	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
313 315	Shepherd Simon	41 36	11/2021 11/2021	06/2022 06/2022	0%	1849 1891	Y Y	465 459	CO2 within 10%	Excellent Excellent	-	
256	Smothers Swing(Kenilworth)	36	11/2021	06/2022	0%	1579	Y	291	CO2 within 10%	Excellent	-	(7) 770 PPM
427 319	Sousa Stanton	58 53	11/2021 11/2021	06/2022 06/2022	0% 0%	1069 4123	Y	495 568	CO2 within 10% CO2 within 25%	Excellent Very Good	-	
320 321	Stevens Stoddert	26 39	11/2021 11/2021	06/2022 06/2022	0% 0%	1222 2561	Y Y	467 519	CO2 within 10%	Excellent Excellent	-	
428	Stuart-Hobson(Capitol Hill Cluster)	51	11/2021	06/2022	0%	2682	Υ	519	CO2 within 10%	Excellent	-	
324 325	Takoma Thomas, Neval	61 51	11/2021 11/2021	06/2022 06/2022	0%	994 2196	Y	471 521	CO2 within 10% CO2 within 10%	Excellent Excellent	-	
326 327	Thomson, Strong John Truesdell	39 40	11/2021	06/2022 06/2022	0%	1017 2697	Y Y	446 525	CO2 within 10%	Excellent Excellent	-	
328	Tubman	47	11/2021	06/2022	0%	1457	Y	478	CO2 within 10%	Excellent	-	
329 330	Turner Tyler	51 52	11/2021 11/2021	06/2022 06/2022	0% 0%	2356 1293	Y	521 506	CO2 within 10%	Excellent Excellent	-	(7) 1373 PPM
331 332	Van Ness Walker-Jones	48 63	11/2021 11/2021	06/2022 06/2022	0%	1164 1380	Y Y	466 471	CO2 within 10% CO2 within 10%	Excellent Excellent	-	(7) 655 PPM
333	Watkins (Capitol Hill Cluster)	43	11/2021	06/2022	0%	3429	Υ	497	CO2 within 10%	Excellent	-	
312 337	West Elementary Wheatley	39 48	11/2021 11/2021	06/2022 06/2022	0% 0%	1749 1698	Y	492 470	CO2 within 10% CO2 within 10%	Excellent Excellent	-	(7) 780 PPM (7) 652 PPM
338 339	Whittier Wilson, J.O.	53 48	11/2021	06/2022 06/2022	0%	1641 1291	Y Y	532 450	CO2 within 10% CO2 within 10%	Excellent Excellent		(7) 726 PPM
463	Wilson, J.O. Wilson, Woodrow	94	11/2021	06/2022	0%	2707	Y	496	CO2 within 10%	Excellent	-	
464	Woodson, H.D.	64	11/2021	06/2022	0% Overall Sch	1075 nool System	Y n Average	455 486	CO2 within 10%	Excellent	-	

Overall School System Average 486 (PPM)

(1) PM2.5 Events are based on alarms received from the school sensors that detect particulate levels above the threshold measured in ug/m²(3). This threshold must exceed and stay exceeded for over 90 minutes.

(2) Maximum level for CO2 that was reached in the month at any single sensor in the school.

(3) Average baseline CO2 levels for the reporting month aggregating all sensors installed in the school.

(4) CO2 Ventilation compares each school with the Overall School System Average (PPM). Ex: School A avg. CO2 = 451 ppm. School system aye; = 446. CO2 range is (451-446)/446 = 1.1% from system range. Report indicates CO2 is within 10% of system average.

(5) Air quality score is based on combined percent CO2 Ventilation percent, maximum CO2 and the number of PM 2.5 threshold events. "Good" will be based on CO2 ppm within 45% of avg. max level under 4000 and less than 45% PM 2.5 events, "Very Good" will be based on CO2 ppm within 12% of avg max level under 4000 and less than 45% PM 2.5 events, "Very Good" will be based on CO2 ppm within 10% of avg and less than 10% PM2.5 events. IAQ outside of these parameters will be defined as "Fair".

(6) Wells- Riley estimates under 10% are considered excellent for a closed space. Many factors, such as older kids, more infectors or more time of exposure shall effect the risk index. The Wells-Riley calculation method is used to enhance the school's HVAC uggrades and align with the CO2 and ASHAE guidance on ventilation. Wells-Riley calculations are considered inapplicable due to the risk of infection not accounting for the new COVID-19 variant, Omicron, quanta generation number.

(7) Maximum CO2 in ppm data received in April 2022 via mobile sensors to account for readings in areas where a subset of sensors is under repair. Please note that in the scenario in which mobile sensors have been used, the overall rating incorporates data from different points and the building control systems in time across months, including the prior month's average CO2 and Maximum CO2 level, to crea

