

APPENDIX E

Formaldehyde Distributions

Appendix E consists of three parts. The first part contains estimates that characterize the distributions of formaldehyde levels in various subsets of eligible classrooms. The second part of the appendix shows approximate standard errors of the estimates that appeared in the first part (it repeats the column with the estimated number of classrooms from the first part). The third part of the appendix provides approximate 95% confidence limits for the population parameters for each subset. The population subsets (rows of the tables) are defined by crossing a given categorical variable (e.g., school type, with levels equal to elementary, middle, and high school) with the roomtype variable (categories = all, portable, and traditional). For each such subset, the reported statistics are:

n	=	sample size = number of sample classrooms with usable data in the subset
Est. No. Clrooms	=	estimated number of eligible classrooms in the subset
% > LOD	=	the estimated percentage of eligible classrooms in the subset with formaldehyde concentrations exceeding the limit of detection (6 ppb)
% > 27 ppb	=	the estimated percentage of eligible classrooms in the subset with formaldehyde concentrations exceeding 27 ppb
% > 76 ppb	=	the estimated percentage of eligible classrooms in the subset with formaldehyde concentrations exceeding 76 ppb
mean	=	the estimated population mean for the subset of eligible classrooms
Geom. Mean	=	the estimated population geometric mean for the subset of eligible classrooms
P05	=	the estimated 5 th percentile for the distribution of eligible classrooms in the subset
P10	=	the estimated 10 th percentile for the distribution of eligible classrooms in the subset
P25	=	the estimated 25 th percentile for the distribution of eligible classrooms in the subset
P50	=	the estimated 50 th (median) percentile for the distribution of eligible classrooms in the subset
P75	=	the estimated 75 th percentile for the distribution of eligible classrooms in the subset
P90	=	the estimated 90 th percentile for the distribution of eligible classrooms in the subset
P95	=	the estimated 95 th percentile for the distribution of eligible classrooms in the subset.

Parameter Estimates Characterizing Distributions of Formaldehyde Levels (ppb) in California Classrooms

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
All classrooms	All	All	911	230156	97.0	36.9	1.8	27.0	20.6	8.1	10.8	14.6	22.0	34.3	50.3	61.7
		Port	644	85416	96.6	50.3	4.0	32.4	24.9	9.1	12.9	19.2	27.1	41.3	57.1	71.5
		Trad	267	144740	97.2	29.0	0.4	23.7	18.4	8.1	10.4	13.6	20.0	29.3	42.8	55.0
School location	Urban	All	147	40824	98.3	37.1	0.3	25.8	21.0	7.9	11.5	15.9	22.0	32.4	48.2	53.3
		Port	102	13035	98.9	51.8	1.1	31.2	25.4	9.6	12.8	16.9	27.7	41.0	53.4	67.6
		Trad	45	27788	98.1	30.2	0.0	23.3	19.3	5.6	10.4	15.4	20.8	29.2	39.3	48.8
School location	Suburb	All	684	173419	96.5	37.8	2.2	27.6	20.6	8.1	10.8	14.6	22.1	35.2	51.8	63.3
		Port	487	66262	96.2	50.8	4.9	32.9	24.9	7.8	13.1	20.1	27.3	41.3	58.5	74.0
		Trad	197	107157	96.7	29.7	0.6	24.3	18.4	8.1	10.4	13.4	19.9	30.0	47.2	59.6
School location	Rural	All	80	15913	98.6	27.2	0.4	23.0	19.8	7.8	10.2	12.7	19.9	27.7	39.6	48.7
		Port	55	6118	96.4	42.2	1.0	29.5	24.9	10.1	12.6	16.8	23.5	38.9	49.4	56.4
		Trad	25	9795	100.0	17.8	0.0	18.9	17.2	7.5	8.7	10.5	19.1	23.4	29.0	31.7
Geographic region	North	All	397	86702	95.5	25.9	1.3	23.5	17.5	6.5	10.4	13.5	19.9	27.7	45.3	53.4
		Port	283	32659	95.6	44.6	2.4	29.9	22.2	7.1	12.4	17.3	24.6	39.8	52.8	64.3
		Trad	114	54043	95.5	14.6	0.7	19.6	15.2	6.5	9.4	12.7	17.4	21.9	32.1	39.4
Geographic region	South	All	514	143454	97.9	43.6	2.1	29.0	22.8	8.5	11.4	16.2	24.6	36.3	53.6	63.5
		Port	361	52757	97.2	53.9	5.1	33.9	26.8	9.3	13.8	20.6	29.4	41.7	60.2	78.7
		Trad	153	90697	98.3	37.6	0.3	26.2	20.7	8.4	10.7	14.1	22.1	32.7	49.3	60.6
School type	Elem	All	592	119045	96.8	41.7	1.9	28.2	21.8	8.4	10.7	16.1	24.4	35.3	51.5	58.3
		Port	419	50580	96.8	54.2	3.6	33.1	25.7	7.8	13.1	20.2	28.9	42.9	57.0	70.8
		Trad	173	68465	96.8	32.6	0.7	24.5	19.3	8.4	10.4	13.7	21.2	30.5	47.1	54.0
School type	Middle	All	149	46772	98.6	31.4	0.9	25.9	21.3	7.3	11.7	16.2	22.0	30.9	46.6	57.2
		Port	103	15540	95.8	47.9	2.8	30.9	23.3	9.1	12.5	18.0	26.3	42.8	49.8	58.1
		Trad	46	31232	100.0	23.2	0.0	23.5	20.4	7.2	9.2	14.5	20.2	25.6	39.7	50.5
School type	High	All	170	64339	96.2	32.0	2.1	25.4	18.2	7.2	10.6	13.4	20.1	32.8	44.7	63.6
		Port	122	19296	96.8	42.3	6.2	31.8	24.2	9.2	12.3	18.8	23.3	35.4	61.4	89.4

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	48	45043	95.9	27.6	0.4	22.7	16.0	6.7	8.8	11.9	18.7	27.2	38.6	56.3
Month of formaldehyde sample	April	All	241	70689	95.7	13.9	0.0	18.4	15.0	6.5	8.8	12.1	16.9	23.1	29.2	35.5
		Port	165	24201	94.3	30.8	0.0	23.0	17.9	3.8	9.7	15.1	21.2	28.7	36.0	45.5
		Trad	76	46488	96.4	5.2	0.0	16.0	13.7	6.5	8.7	11.5	14.1	20.0	25.3	26.6
Month of formaldehyde sample	May	All	471	111745	96.7	40.3	2.1	28.6	21.6	7.9	11.8	17.0	23.0	36.3	51.3	63.1
		Port	335	42578	96.8	54.0	5.2	34.8	27.1	10.3	14.5	21.0	30.7	45.9	61.1	79.3
		Trad	136	69167	96.6	31.9	0.2	24.8	18.7	7.4	10.7	14.6	21.5	30.8	46.5	52.7
Month of formaldehyde sample	June/July	All	199	47722	99.6	63.0	3.6	35.7	29.9	10.3	13.6	21.2	31.7	43.0	64.0	65.4
		Port	144	18637	99.0	67.4	6.6	39.2	31.9	10.8	15.3	23.1	33.9	46.3	61.3	89.0
		Trad	55	29085	100.0	60.2	1.6	33.5	28.7	10.2	12.6	18.3	29.6	38.3	60.6	65.4
Time of formaldehyde sample	Early_April	All	64	14554	96.7	3.5	0.0	14.0	12.4	6.4	7.8	11.5	11.7	16.5	24.9	26.0
		Port	43	4966	90.3	9.4	0.0	15.9	12.6	.	5.9	9.7	15.8	19.3	25.0	30.4
		Trad	21	9589	100.0	0.5	0.0	13.1	12.4	.	7.7	11.5	11.6	13.1	16.9	25.5
Time of formaldehyde sample	Late_April	All	177	56135	95.4	16.6	0.0	19.6	15.7	7.0	8.8	13.3	18.8	24.1	32.3	39.5
		Port	122	19235	95.3	36.3	0.0	24.8	19.6	6.9	12.2	18.0	23.2	32.2	41.2	46.4
		Trad	55	36899	95.4	6.4	0.0	16.8	14.0	6.7	8.7	12.9	14.7	20.0	25.0	26.4
Time of formaldehyde sample	Early_May	All	219	50538	98.0	47.4	2.2	30.6	24.8	10.7	13.1	17.9	25.2	37.6	57.7	63.0
		Port	154	18970	97.6	55.1	5.1	34.7	28.7	12.9	14.5	21.3	30.7	44.1	59.7	77.3
		Trad	65	31569	98.3	42.7	0.5	28.2	22.7	10.6	10.8	17.2	24.0	35.5	53.3	60.3
Time of formaldehyde sample	Late_May	All	252	61207	95.6	34.5	2.0	26.9	19.2	6.3	9.6	16.2	22.1	34.7	48.9	54.7
		Port	181	23608	96.3	53.1	5.3	34.8	25.8	7.6	14.1	20.6	30.0	46.1	61.2	75.6
		Trad	71	37599	95.2	22.8	0.0	22.0	15.9	0.7	8.0	14.2	20.5	26.6	40.1	48.1
Time of formaldehyde sample	June/July	All	195	47116	99.6	63.6	3.6	36.0	30.2	10.4	14.3	21.9	31.8	43.1	64.6	65.4
		Port	141	18421	99.0	67.5	6.7	39.3	32.0	11.3	16.0	23.1	33.8	46.3	61.3	89.0
		Trad	54	28695	100.0	61.0	1.7	33.8	29.1	10.2	13.2	18.8	29.7	38.5	60.8	65.4
<25% non-weekday in samp period	Yes	All	475	127884	97.1	34.1	1.1	25.0	19.8	8.6	10.7	14.5	21.2	32.1	42.7	54.7
		Port	332	45716	95.8	47.1	3.0	30.0	23.4	8.5	13.0	18.8	26.0	37.4	52.1	62.3

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	143	82168	97.8	26.9	0.0	22.1	18.1	8.6	10.2	13.6	19.8	28.6	37.5	44.6
<25% non-weekday in samp period	No	All	432	101666	96.8	40.5	2.7	29.5	21.8	8.0	10.8	15.3	23.5	38.4	54.9	63.8
		Port	309	39484	97.5	54.1	5.3	35.2	26.9	9.8	12.6	20.2	29.2	45.9	60.9	77.5
		Trad	123	62182	96.4	31.9	1.0	25.9	19.0	7.3	10.3	13.1	20.9	31.1	52.0	61.4
General instruction classroom	Yes	All	744	188161	96.3	35.3	1.6	26.1	19.7	7.9	10.3	14.6	21.7	33.0	48.7	57.2
		Port	529	75614	96.3	48.4	3.6	31.6	24.5	7.9	13.1	19.1	26.3	41.1	54.2	66.9
		Trad	215	112546	96.3	26.6	0.3	22.4	17.1	7.4	8.8	13.6	19.3	27.7	39.0	50.6
General instruction classroom	No	All	93	39852	99.8	37.8	1.4	28.5	23.0	10.3	10.8	12.4	23.6	33.7	62.9	64.0
		Port	64	9080	99.3	54.9	5.9	37.4	29.7	11.7	13.0	19.5	27.7	46.5	62.5	101.1
		Trad	29	30773	100.0	32.7	0.1	25.8	21.4	10.1	10.8	11.6	20.0	30.0	47.9	62.4
Carpeted classroom	Full	All	528	111611	95.9	37.5	2.1	26.6	20.0	8.6	10.8	16.3	22.2	34.3	46.6	57.1
		Port	433	59952	96.2	46.8	3.8	31.0	24.0	9.1	12.8	19.8	25.6	39.2	52.3	64.1
		Trad	95	51659	95.6	26.7	0.1	21.6	16.1	7.4	10.7	13.6	19.8	27.2	37.2	43.8
Carpeted classroom	Partial	All	221	58271	95.2	36.0	1.2	26.3	19.4	7.9	9.9	14.5	21.9	32.5	50.6	55.8
		Port	128	18174	95.2	54.3	2.8	33.5	24.2	3.7	13.9	18.8	30.0	45.8	59.6	69.9
		Trad	93	40097	95.2	27.6	0.5	23.1	17.5	6.2	9.3	13.2	19.5	29.4	41.6	50.5
Carpeted classroom	None	All	95	60274	100.0	34.0	1.0	27.0	21.8	7.9	8.8	13.3	20.1	34.3	62.7	64.4
		Port	37	7290	100.0	54.9	6.3	39.0	31.1	9.6	14.1	19.0	32.2	48.6	62.3	.
		Trad	58	52984	100.0	31.1	0.2	25.4	20.8	7.7	8.6	12.9	20.0	32.5	56.5	64.1
Vinyl/linoleum floor	Yes	All	305	109034	97.6	33.3	1.2	26.6	20.4	7.9	9.0	13.9	20.7	32.6	55.5	63.7
		Port	171	26050	96.6	54.4	3.7	35.3	26.2	7.8	13.9	18.8	30.7	46.0	61.4	73.4
		Trad	134	82984	98.0	26.6	0.4	23.9	18.8	7.6	8.7	13.0	18.8	29.5	50.2	61.9
Vinyl/linoleum floor	No	All	539	121122	96.1	38.8	1.9	26.7	20.2	8.8	10.8	16.4	22.5	34.4	46.2	52.5
		Port	427	59366	96.2	46.7	3.8	30.8	23.9	9.1	12.8	19.8	25.5	38.9	51.7	63.0
		Trad	112	61756	96.0	31.2	0.1	22.7	17.2	8.6	10.7	13.6	20.1	29.2	37.5	44.1
Vinyl tackable wallboard	Yes	All	541	109990	96.2	44.0	2.4	30.5	22.6	7.9	11.7	17.5	25.0	38.1	58.3	64.4
		Port	464	66725	95.6	49.7	3.6	32.2	24.1	7.1	12.7	18.9	26.9	41.1	57.0	70.5

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	77	43265	97.0	35.0	0.6	27.8	20.5	7.2	9.9	14.3	22.9	36.3	57.9	63.0
Vinyl tackable wallboard	No	All	292	116536	97.3	28.5	0.8	23.0	18.2	8.3	10.4	13.6	19.5	29.3	40.9	50.2
		Port	128	17315	98.8	47.9	4.8	32.5	26.5	13.0	14.9	18.9	25.6	41.7	58.0	64.3
		Trad	164	99221	97.1	25.1	0.1	21.4	17.0	7.8	9.4	13.0	18.5	26.9	38.5	46.4
Open windows	Never	All	145	59295	96.5	31.0	0.9	25.4	19.4	9.7	10.7	14.4	20.5	31.3	46.8	60.5
		Port	63	10196	97.4	49.4	4.0	31.8	24.5	9.4	14.6	18.8	26.4	41.0	51.9	61.1
		Trad	82	49100	96.3	27.2	0.2	24.1	18.5	9.7	10.6	13.6	19.7	29.3	42.9	58.4
Open windows	Infrequent	All	447	102420	95.6	41.5	2.1	28.4	20.6	6.5	8.8	14.6	23.3	36.3	51.5	64.8
		Port	349	47645	95.1	50.7	4.1	32.7	24.5	6.0	12.7	19.8	27.6	41.9	58.0	70.8
		Trad	98	54775	96.1	33.5	0.4	24.6	17.8	5.6	8.5	13.7	20.9	31.2	46.2	58.8
Open windows	Frequent	All	238	61938	99.0	33.6	1.5	25.2	20.6	8.3	10.8	13.2	20.1	32.2	46.0	55.3
		Port	179	26269	98.6	45.5	3.4	31.4	25.4	10.7	12.9	18.9	25.2	38.1	59.2	67.1
		Trad	59	35669	99.3	24.9	0.1	20.6	17.7	7.9	9.6	12.0	18.4	26.7	35.2	40.1
Open door to outside	Infreq	All	427	105524	96.8	38.9	2.2	27.3	20.9	8.0	9.2	14.6	23.3	34.9	48.7	58.4
		Port	308	45164	96.5	47.4	5.0	32.9	25.9	8.1	13.6	20.3	26.1	40.9	60.2	74.3
		Trad	119	60360	97.0	32.5	0.2	23.0	17.8	7.4	8.7	12.5	20.5	29.5	40.7	48.8
Open door to outside	Freq	All	356	87860	97.8	39.7	1.3	27.9	22.5	10.5	12.4	16.2	22.5	34.3	51.3	65.0
		Port	268	36926	95.9	51.3	2.5	31.2	23.0	8.6	12.1	18.6	27.5	41.3	53.1	61.9
		Trad	88	50934	99.1	31.4	0.5	25.5	22.2	10.7	12.3	14.6	20.4	30.1	42.8	59.4
Open door to outside	NA	All	36	29830	93.6	16.6	0.2	20.3	12.9	.	6.8	11.5	14.7	19.9	44.6	56.7
		Port	3	66	100.0	100.0	62.7	81.5	70.6	.	.	.	.	.	.	.
		Trad	33	29764	93.5	16.4	0.1	20.2	12.8	.	6.8	11.5	14.6	19.9	43.6	56.5
Pressed wood furniture	Yes	All	769	203508	96.8	35.7	1.3	26.2	20.1	8.0	10.6	14.6	21.8	33.1	48.8	60.8
		Port	548	77934	96.0	48.0	2.9	31.2	23.8	7.9	12.8	18.8	26.1	40.0	54.4	65.0
		Trad	221	125574	97.2	28.1	0.3	23.2	18.1	7.6	9.7	13.6	19.8	29.1	40.9	54.2
Pressed wood furniture	No	All	75	26648	97.3	39.8	3.7	29.9	21.5	8.0	10.7	11.5	24.1	40.1	58.1	65.3
		Port	50	7482	99.1	60.7	13.1	42.3	34.4	12.6	16.6	22.7	39.2	53.3	87.9	91.0

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	25	19165	96.6	31.6	0.0	25.0	17.9	4.6	10.4	11.1	20.4	33.1	46.0	.
Pressed wood table/desks	Yes	All	681	180549	96.4	35.8	1.2	26.1	19.8	7.8	10.1	14.6	21.6	32.9	48.8	61.3
		Port	489	71065	95.9	47.9	2.7	31.2	23.8	7.8	12.8	18.8	26.1	40.2	53.5	64.2
		Trad	192	109484	96.8	28.0	0.2	22.9	17.6	7.2	8.8	13.6	19.5	28.7	39.5	54.8
Pressed wood table/desks	No	All	163	49607	98.2	37.5	2.9	28.6	22.0	10.0	11.2	13.6	23.7	39.0	51.7	65.0
		Port	109	14351	98.3	55.1	9.4	37.2	29.0	12.0	14.6	20.6	29.1	48.8	63.3	90.3
		Trad	54	35256	98.1	30.3	0.3	25.0	19.7	9.5	10.8	12.2	20.9	33.6	46.1	51.0
Pressed wood bookcases	Yes	All	492	123865	97.0	38.6	1.2	27.1	21.3	8.3	11.8	15.3	23.2	34.1	49.0	60.5
		Port	353	49635	97.3	51.1	2.5	31.9	25.5	10.1	14.1	19.5	27.3	41.1	53.6	63.2
		Trad	139	74231	96.8	30.2	0.3	23.9	18.9	7.8	10.6	13.9	20.6	29.5	42.4	50.6
Pressed wood bookcases	No	All	352	106291	96.6	33.4	2.0	26.2	19.2	7.1	9.4	13.5	20.3	34.3	51.7	65.0
		Port	245	35781	94.9	46.2	5.6	32.6	23.4	5.4	12.2	18.9	25.7	41.8	59.7	87.5
		Trad	107	70509	97.5	26.9	0.2	22.9	17.3	7.0	8.8	12.2	18.8	29.1	41.4	54.8
Pressed wood cabinets	Yes	All	403	103903	96.2	37.1	1.3	26.9	20.3	7.9	9.7	14.3	22.0	36.3	50.5	61.7
		Port	296	41483	96.9	55.0	2.8	32.8	26.1	11.6	14.4	20.7	29.6	41.2	52.7	66.9
		Trad	107	62419	95.8	25.2	0.2	23.0	17.1	6.6	8.7	13.6	19.8	27.1	45.0	55.3
Pressed wood cabinets	No	All	441	126253	97.3	35.4	1.8	26.5	20.3	8.0	10.8	14.6	21.9	32.6	49.9	61.9
		Port	302	43933	95.8	43.5	4.7	31.6	23.3	7.0	12.4	17.9	24.7	41.2	58.0	73.5
		Trad	139	82321	98.1	31.2	0.3	23.7	18.9	8.2	10.8	13.1	19.8	29.9	41.0	52.9
New furnishings this school yr	Yes	All	214	49215	97.3	38.5	1.7	26.6	20.8	10.6	11.4	13.7	20.9	34.3	49.9	60.9
		Port	162	21446	98.2	55.6	4.0	33.9	27.4	11.5	14.0	17.5	29.8	42.2	61.3	70.4
		Trad	52	27769	96.7	25.4	0.0	21.0	16.8	10.0	10.8	11.9	18.5	26.9	37.7	49.0
New furnishings this school yr	No	All	591	169405	96.4	35.9	1.6	26.8	20.1	7.8	9.8	14.6	22.2	34.1	50.5	62.9
		Port	406	59010	95.3	47.2	3.9	31.5	23.4	6.7	12.7	19.6	25.7	40.3	54.0	67.4
		Trad	185	110394	97.0	29.8	0.3	24.3	18.5	7.4	8.9	13.7	20.1	29.8	46.2	59.0
New furnishings this school yr	DK	All	28	8564	100.0	24.2	1.0	21.4	18.4	8.2	8.7	10.7	16.6	25.7	39.3	44.1
		Port	22	3579	100.0	41.5	2.5	29.8	26.3	11.8	14.4	16.8	25.1	39.1	44.8	48.1

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	6	4985	100.0	11.8	0.0	15.4	14.2	.	.	9.5	11.7	16.7	.	.
Type appliances in room	Stove/burnr	All	27	13483	96.9	52.3	3.1	36.9	24.5	2.2	7.5	12.1	28.3	63.0	64.2	65.1
		Port	19	4829	96.3	69.7	8.7	40.6	28.0	5.9	13.7	18.2	32.0	36.4	61.7	.
		Trad	8	8654	97.3	42.6	0.0	34.9	22.8	1.7	5.1	11.3	16.3	49.3	.	.
Type appliances in room	Other	All	254	65172	97.8	35.2	1.3	26.8	21.6	8.1	11.7	16.3	20.9	34.5	50.5	62.3
		Port	194	28596	95.0	46.5	2.1	29.4	22.0	6.0	12.1	17.5	25.2	38.1	51.2	62.1
		Trad	60	36576	100.0	26.4	0.6	24.7	21.2	9.1	11.6	13.6	19.9	29.2	44.1	55.2
Type appliances in room	None	All	475	125947	95.9	34.8	1.8	25.6	19.1	6.6	9.3	14.6	22.1	32.1	46.6	53.7
		Port	329	45014	97.3	47.4	4.7	32.8	26.1	9.3	14.1	20.2	25.9	41.7	60.1	73.5
		Trad	146	80933	95.1	27.8	0.2	21.6	16.0	6.2	8.7	12.6	19.8	27.9	36.7	46.6
Chemical present in room	Yes	All	407	111686	97.6	37.6	1.8	27.7	21.8	8.0	10.8	15.3	21.8	34.2	51.6	63.2
		Port	285	39052	96.1	55.0	4.5	34.4	26.8	7.8	14.3	20.5	29.9	41.2	61.0	73.7
		Trad	122	72634	98.4	28.2	0.3	24.1	19.5	8.0	10.7	14.1	19.8	30.0	43.9	59.2
Chemical present in room	No	All	437	118470	96.1	34.9	1.4	25.7	19.0	7.2	9.9	13.6	22.0	34.1	48.5	55.9
		Port	313	46364	96.5	44.0	3.2	30.3	22.9	9.1	12.7	17.8	24.7	41.2	53.2	61.8
		Trad	124	72106	95.8	29.0	0.2	22.7	16.8	6.5	8.8	13.2	19.9	28.7	37.7	53.3
Oil/acrylic paints used	Yes	All	119	28768	96.4	26.1	3.6	26.1	19.5	6.8	11.3	15.4	21.0	27.4	46.1	62.8
		Port	86	10240	93.1	54.3	10.2	36.5	23.9	0.3	12.9	20.8	27.6	48.9	74.7	89.2
		Trad	33	18528	98.2	10.6	0.0	20.4	17.5	7.8	10.7	14.0	19.8	23.0	29.1	39.8
Oil/acrylic paints used	No	All	725	201387	96.9	37.6	1.3	26.7	20.4	8.0	10.7	14.3	22.0	34.3	50.3	61.8
		Port	512	75176	96.7	48.4	2.9	31.6	24.7	9.2	13.0	18.8	26.2	40.7	54.1	62.7
		Trad	213	126212	97.0	31.2	0.3	23.9	18.2	7.6	9.7	13.2	19.9	30.0	46.4	55.9
Permanent marker/pen used	Yes	All	690	177758	97.6	34.9	1.5	26.6	21.3	9.6	11.5	14.9	22.0	33.8	47.8	58.4
		Port	493	67984	97.0	48.6	3.3	31.9	25.2	9.2	13.9	19.8	26.3	41.2	56.4	66.9
		Trad	197	109774	98.0	26.5	0.3	23.2	19.2	9.6	10.9	13.8	19.8	29.3	40.1	49.9
Permanent marker/pen used	No	All	154	52398	94.1	40.4	1.9	27.0	17.2	0.3	7.4	12.4	21.3	33.9	55.3	65.3
		Port	105	17432	93.8	50.8	5.7	33.2	22.3	0.7	12.4	17.6	27.3	41.7	60.1	82.1

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	49	34966	94.3	35.3	0.0	23.9	15.0	0.1	7.0	10.6	19.3	30.4	52.8	63.1
Whiteboard marker used	Yes	All	713	188179	96.3	37.0	1.9	27.5	20.5	7.9	10.8	15.1	22.2	34.8	52.4	63.3
		Port	507	71394	96.1	50.0	4.4	33.2	25.3	7.8	13.2	19.8	27.0	42.9	60.2	73.3
		Trad	206	116785	96.4	29.1	0.3	24.0	18.1	7.5	10.4	13.3	19.9	29.8	47.8	57.7
Whiteboard marker used	No	All	131	41977	99.1	32.4	0.2	22.8	19.2	7.3	9.1	13.9	20.0	32.4	40.5	43.1
		Port	91	14022	97.2	44.3	0.5	26.9	21.4	9.2	12.7	16.7	25.5	32.9	42.5	51.2
		Trad	40	27955	100.0	26.4	0.1	20.7	18.2	7.0	8.1	13.4	16.3	27.2	35.3	40.1
Glues/fluids used	Yes	All	570	152451	98.2	34.9	1.4	26.5	21.7	8.6	11.2	15.2	22.0	33.7	47.2	58.5
		Port	410	57549	96.8	48.1	3.2	31.7	25.2	9.1	13.1	18.9	26.2	41.1	57.1	63.8
		Trad	160	94902	99.1	26.9	0.4	23.4	19.8	8.6	10.7	13.6	20.0	27.8	40.0	49.1
Glues/fluids used	No	All	274	77705	94.0	38.7	1.8	27.0	17.8	0.1	8.7	14.1	21.6	34.2	53.9	64.6
		Port	188	27867	95.4	51.2	5.0	33.2	23.4	6.6	12.9	19.3	27.6	41.5	58.7	73.6
		Trad	86	49838	93.3	31.8	0.1	23.5	15.2	.	8.0	12.7	17.5	31.1	51.3	60.8
Correction fluid used	Yes	All	526	140218	98.2	34.7	1.4	26.2	21.4	8.6	10.8	14.6	21.8	32.9	46.2	60.2
		Port	378	52388	96.9	48.7	3.1	31.5	25.4	9.0	12.8	18.8	26.8	41.1	57.4	64.1
		Trad	148	87829	99.0	26.4	0.4	23.0	19.3	8.5	10.6	13.5	19.6	27.2	39.3	46.7
Correction fluid used	No	All	318	89938	94.6	38.5	1.8	27.5	18.6	5.5	9.3	14.3	22.0	34.7	52.4	63.7
		Port	220	33027	95.4	49.7	4.8	33.3	23.4	7.5	13.0	20.3	26.7	41.7	56.5	73.5
		Trad	98	56911	94.1	32.0	0.0	24.1	16.3	0.2	8.3	13.1	20.0	31.8	50.2	59.4
Epoxy/rubber cement used	Yes	All	126	29778	98.6	35.2	2.0	27.9	23.5	12.3	13.5	17.8	21.4	35.0	48.7	52.6
		Port	93	12924	96.7	42.6	4.5	31.8	24.4	9.4	12.7	18.5	24.6	42.6	53.0	67.6
		Trad	33	16854	100.0	29.6	0.1	24.8	22.8	12.5	13.7	17.2	20.1	30.8	39.8	46.9
Epoxy/rubber cement used	No	All	718	200378	96.6	36.3	1.5	26.5	19.8	7.9	10.3	14.3	22.0	34.0	50.0	62.7
		Port	505	72492	96.2	50.2	3.7	32.3	24.6	8.2	13.4	19.4	27.0	41.2	57.9	70.3
		Trad	213	127886	96.7	28.5	0.3	23.2	17.5	7.3	8.9	12.9	19.8	29.3	42.4	55.5
Air freshener used	Yes	All	311	74849	96.4	42.3	1.5	27.3	21.9	9.0	11.7	16.2	24.3	35.3	47.3	54.1
		Port	238	33106	94.0	52.3	2.7	30.7	22.3	1.7	10.8	18.9	27.6	40.2	51.1	61.7

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	73	41743	98.3	34.4	0.5	24.6	21.5	10.4	11.7	14.3	21.0	30.0	39.4	50.0
Air freshener used	No	All	533	155307	97.0	33.2	1.6	26.4	19.5	7.9	10.1	13.9	20.8	33.2	51.5	63.3
		Port	360	52310	97.8	47.0	4.5	33.1	26.2	11.2	13.1	19.1	25.6	41.8	60.5	72.6
		Trad	173	102997	96.6	26.3	0.2	22.9	16.9	7.0	8.7	12.9	18.9	27.9	46.1	57.2
Air freshener used - plug-in	Yes	All	161	36508	94.9	38.6	1.4	26.0	19.6	5.6	9.6	15.3	21.7	33.9	47.7	52.3
		Port	123	17274	93.4	46.2	2.9	29.6	19.6	.	8.7	17.3	25.8	39.8	51.0	61.6
		Trad	38	19234	96.3	31.8	0.0	22.6	19.7	7.3	10.4	12.4	20.1	29.6	38.4	46.9
Air freshener used - plug-in	No	All	683	193648	97.2	35.7	1.6	26.8	20.4	8.0	10.8	14.5	22.0	34.2	50.7	63.1
		Port	475	68142	97.1	49.8	4.0	32.8	26.1	10.7	13.3	19.8	26.9	41.6	58.3	70.5
		Trad	208	125506	97.2	28.1	0.3	23.5	17.9	7.7	9.8	13.4	19.8	29.1	43.9	56.1
Air freshener used - spray	Yes	All	172	45884	96.7	43.2	1.7	27.8	22.5	10.8	11.8	15.6	24.3	36.7	45.8	56.6
		Port	132	19393	93.6	54.6	3.0	31.0	23.0	4.0	10.9	18.4	28.9	39.8	51.0	61.1
		Trad	40	26492	98.9	34.9	0.8	25.4	22.1	10.5	11.9	14.1	21.7	30.6	39.7	51.2
Air freshener used - spray	No	All	672	184271	96.8	34.4	1.5	26.4	19.8	7.9	10.2	14.3	21.2	33.2	50.4	63.1
		Port	466	66023	97.1	47.5	4.0	32.5	25.1	9.7	13.1	19.2	26.0	41.3	58.3	71.8
		Trad	206	118248	96.7	27.2	0.1	23.0	17.3	7.2	8.8	13.2	18.9	29.0	45.7	54.7
New furnishings odor	Never	All	699	203163	97.1	35.0	1.4	26.1	19.9	8.0	10.7	14.3	21.2	33.2	49.8	61.2
		Port	481	68750	96.5	46.3	3.7	31.3	23.9	8.3	12.8	18.7	25.4	41.1	53.7	64.4
		Trad	218	134412	97.4	29.2	0.3	23.5	18.1	8.0	9.9	13.2	19.9	29.7	42.7	55.1
New furnishings odor	Sometimes	All	102	19471	95.8	41.7	3.1	29.6	23.4	6.4	11.9	17.0	24.5	36.1	49.8	62.2
		Port	78	10683	98.7	59.1	5.5	35.9	30.1	12.5	13.9	18.8	30.7	43.2	61.1	85.0
		Trad	24	8788	92.4	20.6	0.3	21.9	17.2	2.8	6.5	14.8	20.1	25.9	34.8	46.0
New furnishings odor	Often	All	17	2488	100.0	76.9	0.0	41.0	38.0	16.9	24.2	26.7	36.4	51.5	62.6	.
		Port	16	2132	100.0	73.1	0.0	41.3	37.8	15.4	23.7	25.3	33.0	60.0	.	.
		Trad	1	356	100.0	100.0	0.0	39.1	39.1	.	.	.	.	.	.	.
Construction activity this yr	Current	All	186	55860	98.6	47.0	1.3	29.8	23.7	10.4	11.2	14.6	24.8	39.4	62.6	64.2
		Port	136	20271	99.0	55.1	3.4	32.8	27.7	9.8	12.6	18.6	29.3	39.6	61.0	64.9

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	50	35589	98.4	42.4	0.1	28.0	21.7	10.5	10.8	12.3	22.0	39.4	57.0	63.3
Construction activity this yr	Previous	All	404	107657	95.2	36.0	2.3	27.0	19.4	6.4	8.9	16.2	22.2	34.3	48.9	61.2
		Port	287	42790	96.2	46.4	5.1	32.7	24.7	8.4	13.4	19.7	25.7	41.5	57.9	75.1
		Trad	117	64867	94.5	29.2	0.5	23.3	16.6	3.3	8.7	13.8	19.8	30.7	38.7	50.6
Construction activity this yr	Never	All	227	58874	98.5	28.8	0.5	23.6	19.6	7.9	10.7	13.6	20.0	29.0	46.1	53.0
		Port	155	19464	95.5	49.4	1.5	31.0	24.0	6.4	13.1	18.8	26.3	41.3	53.4	58.9
		Trad	72	39410	100.0	18.7	0.0	20.0	17.7	7.6	10.6	12.7	17.0	24.3	30.9	44.8
Construction activity this yr	Unknown	All	16	3686	95.1	19.2	0.0	23.2	17.6	0.3	11.5	17.0	24.1	26.4	32.9	37.0
		Port	13	1638	88.9	43.2	0.0	24.0	13.1	.	.	13.2	24.1	32.8	37.7	.
		Trad	3	2048	100.0	0.0	0.0	22.7	22.2	.	.	.	.	.	.	.
Carpentry activity this yr	Yes	All	263	76690	98.2	40.0	1.4	29.0	22.2	8.7	10.7	14.6	22.0	39.1	60.8	64.4
		Port	185	26825	98.3	46.5	3.4	32.5	26.2	12.1	12.8	18.7	25.2	41.9	54.1	65.9
		Trad	78	49866	98.2	36.4	0.3	27.0	20.3	8.6	8.8	12.1	20.5	37.2	57.6	64.3
Carpentry activity this yr	No	All	581	153465	96.1	34.3	1.7	25.5	19.4	7.0	10.7	14.6	21.8	31.4	46.3	55.3
		Port	413	58591	95.4	50.3	4.0	32.0	23.9	6.6	13.0	19.9	27.0	41.1	57.6	71.4
		Trad	168	94874	96.5	24.5	0.2	21.5	17.0	7.0	10.0	13.6	19.6	26.8	35.1	46.2
In-room construction this yr	Yes	All	117	34581	98.0	42.1	0.2	29.1	22.3	9.0	10.4	14.6	23.0	39.5	62.9	63.6
		Port	77	10769	97.2	44.6	0.6	27.9	21.6	7.9	9.8	17.2	22.8	37.5	46.7	52.2
		Trad	40	23813	98.3	40.9	0.0	29.7	22.6	8.9	10.4	13.7	22.2	41.7	62.0	.
In-room construction this yr	No	All	721	195135	96.7	35.2	1.8	26.3	20.0	7.9	10.8	14.4	21.8	32.9	47.7	57.2
		Port	516	74240	96.4	50.0	4.3	32.9	25.4	9.1	13.1	20.2	27.0	41.7	58.1	72.9
		Trad	205	120896	96.9	26.2	0.3	22.2	17.3	7.4	9.3	13.3	19.8	27.2	37.8	48.0
Other school construction this yr	Yes	All	568	157936	96.2	40.4	2.0	28.2	20.8	8.0	10.5	15.0	23.1	36.3	52.0	63.6
		Port	409	61681	97.1	49.4	4.5	32.8	25.7	9.5	13.0	19.3	26.9	41.2	60.4	73.0
		Trad	159	96255	95.7	34.7	0.4	25.2	18.2	7.0	8.8	13.6	20.5	34.3	48.8	60.5
Other school construction this yr	No	All	276	72220	98.1	27.0	0.6	23.4	19.1	8.0	10.8	13.6	20.0	28.3	45.6	52.4
		Port	189	23734	94.3	48.3	1.9	30.5	22.0	4.0	12.5	18.8	25.7	41.2	53.2	58.7

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	87	48485	100.0	16.6	0.0	19.9	17.9	8.2	10.7	13.1	17.2	24.3	30.0	38.8
# teacher complaints in school yr	0	All	335	91495	96.0	36.7	1.6	26.9	19.8	8.9	11.0	15.6	23.2	33.7	49.7	58.4
		Port	232	33620	95.8	46.0	4.2	31.9	23.4	8.3	13.0	20.2	25.5	40.9	57.3	71.6
		Trad	103	57876	96.1	31.3	0.0	24.0	18.0	8.9	10.7	14.6	20.9	29.4	40.0	50.1
# teacher complaints in school yr	1-5	All	430	115248	96.9	36.4	1.7	26.7	20.6	7.9	9.1	14.3	21.3	34.3	50.4	61.4
		Port	308	43361	96.1	51.7	4.1	33.1	25.5	7.8	12.8	18.7	28.3	42.5	58.1	70.3
		Trad	122	71887	97.3	27.2	0.2	22.9	18.2	7.5	8.7	13.6	18.9	29.3	43.5	54.8
# teacher complaints in school yr	>5	All	62	19744	99.7	33.5	1.2	25.4	19.6	7.0	10.4	11.4	18.7	33.1	62.4	64.2
		Port	47	7289	99.1	45.4	0.4	28.0	24.1	9.1	14.6	18.7	22.8	33.9	46.9	58.1
		Trad	15	12454	100.0	26.6	1.7	23.8	17.4	.	9.3	10.8	11.5	27.3	49.9	59.1
Overall air quality (teacher)	Excellent	All	132	36264	97.9	36.7	1.7	27.0	22.0	10.8	11.4	16.0	22.0	35.5	46.5	56.6
		Port	87	14035	98.2	50.7	4.4	34.3	27.5	12.4	16.5	21.1	27.0	43.8	59.2	70.5
		Trad	45	22229	97.7	27.9	0.0	22.4	19.0	10.6	10.8	12.9	19.3	28.4	36.5	45.1
Overall air quality (teacher)	Good	All	307	85306	94.6	30.5	2.1	24.0	16.6	3.8	8.6	13.5	20.5	29.2	46.1	53.4
		Port	206	28049	95.1	48.2	5.3	32.2	23.9	6.1	12.6	17.9	26.1	43.6	58.6	77.4
		Trad	101	57257	94.4	21.9	0.6	20.0	13.9	0.1	8.4	12.9	17.2	25.7	33.7	40.1
Overall air quality (teacher)	Adequate	All	277	75748	98.3	43.6	1.1	30.1	24.6	10.7	11.6	17.0	25.0	37.5	61.0	64.5
		Port	204	29544	97.2	50.5	2.6	32.0	24.9	9.4	13.1	20.2	27.1	37.7	52.2	65.8
		Trad	73	46204	99.1	39.2	0.1	28.8	24.4	10.7	11.3	15.2	22.6	36.5	58.0	64.4
Overall air quality (teacher)	Poor	All	100	26212	97.8	35.0	1.3	25.4	19.7	5.8	7.9	13.5	20.8	33.7	45.1	54.3
		Port	78	10797	94.6	48.1	3.2	31.4	22.8	0.8	12.1	18.4	24.9	41.0	47.6	62.1
		Trad	22	15415	100.0	25.8	0.0	21.1	17.8	.	7.2	11.5	18.8	25.3	39.7	44.8
Overall air quality (teacher)	Very_poor	All	17	4550	100.0	29.8	0.0	24.7	20.3	8.4	9.9	10.4	20.8	27.1	48.0	52.2
		Port	14	1910	100.0	41.6	0.0	25.4	21.9	.	8.0	13.8	21.2	33.2	41.9	44.1
		Trad	3	2640	100.0	21.3	0.0	24.1	19.3	.	.	.	.	.	.	.
Nose symptoms past 2 weeks	None	All	342	101233	98.5	32.5	1.9	25.6	20.4	8.3	9.9	13.9	20.6	33.1	47.3	61.1
		Port	239	35064	95.6	47.2	5.5	33.3	24.1	6.5	13.0	18.2	25.6	42.7	61.2	87.4

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	103	66169	100.0	24.7	0.0	21.5	18.7	8.3	9.3	13.0	17.4	26.9	36.7	44.4
Nose symptoms past 2 weeks	Occasional	All	291	76978	92.8	38.4	1.4	25.9	17.4	0.2	9.6	14.5	23.3	31.8	46.6	58.3
		Port	194	26192	94.7	50.3	3.6	31.3	23.3	3.9	12.5	18.8	27.3	38.7	56.1	61.5
		Trad	97	50786	91.8	32.2	0.3	23.1	15.0	.	8.6	12.0	19.9	29.7	40.3	50.1
Nose symptoms past 2 weeks	Frequent	All	194	48946	99.6	40.7	1.1	30.2	25.3	10.6	12.6	17.4	23.7	40.5	54.9	63.0
		Port	150	21696	99.0	51.8	1.6	31.8	27.0	10.6	14.4	20.4	27.3	41.6	51.4	62.1
		Trad	44	27250	100.0	31.8	0.8	28.8	24.0	8.2	12.2	16.0	20.9	39.6	57.2	61.1
Nose symptoms at home	Same/worse	All	264	69745	94.0	37.7	0.8	26.7	18.9	2.3	10.6	16.3	22.8	34.4	49.5	57.6
		Port	179	23742	97.2	54.5	2.3	32.4	26.6	10.3	13.1	21.1	28.5	41.5	53.3	60.3
		Trad	85	46004	92.3	29.1	0.1	23.7	15.8	.	8.7	14.4	20.0	30.0	45.5	50.4
Nose symptoms at home	Improves	All	166	43426	98.2	39.0	1.7	28.7	22.2	8.5	10.8	15.1	22.2	37.3	58.3	63.1
		Port	129	20137	96.0	44.7	2.1	29.8	22.5	6.9	11.8	18.6	23.8	37.7	51.2	61.5
		Trad	37	23289	100.0	34.2	1.4	27.8	22.0	9.0	10.5	11.5	19.4	35.1	59.2	61.8
Nose symptoms at home	NA	All	342	101233	98.5	32.5	1.9	25.6	20.4	8.3	9.9	13.9	20.6	33.1	47.3	61.1
		Port	239	35064	95.6	47.2	5.5	33.3	24.1	6.5	13.0	18.2	25.6	42.7	61.2	87.4
		Trad	103	66169	100.0	24.7	0.0	21.5	18.7	8.3	9.3	13.0	17.4	26.9	36.7	44.4
Throat symptoms past 2 weeks	None	All	436	125701	98.4	33.0	1.9	26.1	20.9	8.6	10.7	14.3	20.6	33.2	48.6	64.4
		Port	302	44338	96.6	49.9	5.2	34.0	25.7	9.4	14.3	18.8	27.0	43.1	61.3	83.9
		Trad	134	81363	99.4	23.8	0.1	21.9	18.7	8.6	10.3	13.2	18.1	26.6	38.2	48.1
Throat symptoms past 2 weeks	Occasional	All	250	68293	95.3	40.5	1.4	27.4	20.1	6.4	9.2	16.3	24.0	32.8	51.5	62.7
		Port	175	25125	94.4	48.6	2.4	30.0	22.5	2.5	11.0	20.3	26.3	36.2	51.8	61.2
		Trad	75	43167	95.8	35.8	0.8	25.8	18.9	6.1	8.3	13.5	21.0	30.5	50.6	59.6
Throat symptoms past 2 weeks	Frequent	All	129	26844	97.1	37.8	0.8	28.0	21.8	9.9	12.4	16.9	24.5	38.1	48.8	54.7
		Port	99	13276	98.4	45.8	1.7	29.6	24.3	9.5	11.9	18.2	24.9	40.5	48.1	56.1
		Trad	30	13568	95.9	30.0	0.0	26.5	19.7	9.2	12.5	15.7	24.2	32.0	48.8	54.4
Throat symptoms at home	Same/worse	All	167	40813	94.9	38.0	0.6	25.8	18.9	5.6	8.6	16.9	24.6	31.5	48.3	50.7
		Port	117	15009	99.4	47.2	1.7	30.3	26.3	10.1	14.0	20.7	25.8	35.5	51.6	60.3

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	50	25804	92.3	32.6	0.0	23.2	15.6	.	6.7	13.2	20.6	29.8	45.9	49.4
Throat symptoms at home	Improves	All	167	42734	97.1	41.4	1.8	29.1	22.1	6.6	10.9	16.1	24.4	37.9	57.2	63.1
		Port	128	19333	93.6	46.2	2.3	29.0	20.3	0.8	9.9	17.8	25.6	39.1	50.8	59.7
		Trad	39	23401	100.0	37.4	1.4	29.1	23.6	9.0	10.4	15.0	21.9	34.6	59.2	61.8
Throat symptoms at home	NA	All	436	125701	98.4	33.0	1.9	26.1	20.9	8.6	10.7	14.3	20.6	33.2	48.6	64.4
		Port	302	44338	96.6	49.9	5.2	34.0	25.7	9.4	14.3	18.8	27.0	43.1	61.3	83.9
		Trad	134	81363	99.4	23.8	0.1	21.9	18.7	8.6	10.3	13.2	18.1	26.6	38.2	48.1
Eyes symptoms past 2 weeks	None	All	458	129615	97.1	35.1	1.7	25.7	20.0	8.5	10.6	14.2	21.6	33.2	46.0	57.0
		Port	320	47001	96.2	49.2	4.6	32.1	23.8	8.9	12.8	18.1	26.5	41.1	58.1	73.5
		Trad	138	82614	97.7	27.1	0.1	22.1	18.1	8.5	9.9	13.1	19.6	27.6	38.2	46.1
Eyes symptoms past 2 weeks	Occasional	All	224	62270	98.7	40.8	1.3	29.2	23.3	8.0	11.4	16.4	23.2	39.2	57.9	63.5
		Port	152	20476	98.8	54.4	2.3	33.9	29.4	12.9	16.4	20.3	30.1	45.6	57.6	62.5
		Trad	72	41793	98.6	34.2	0.8	26.8	20.7	7.2	10.0	14.5	19.1	30.1	55.2	63.2
Eyes symptoms past 2 weeks	Frequent	All	121	30342	97.2	31.9	0.9	26.1	21.7	10.6	11.3	17.0	22.0	31.9	47.3	55.8
		Port	91	13734	93.8	40.5	2.0	28.1	21.3	2.7	9.2	16.7	24.0	34.3	48.5	61.6
		Trad	30	16609	100.0	24.7	0.0	24.5	22.1	.	12.3	16.3	20.9	25.0	38.3	54.4
Eyes symptoms at home	Same/worse	All	158	49361	98.8	31.2	1.1	26.2	21.7	8.4	11.4	14.6	21.0	30.0	50.3	62.0
		Port	101	13068	98.0	55.7	1.7	34.1	29.9	11.6	14.5	22.0	30.5	46.3	56.3	61.3
		Trad	57	36293	99.1	22.4	0.9	23.4	19.3	8.0	11.2	13.5	18.9	25.7	42.2	52.0
Eyes symptoms at home	Improves	All	139	34000	98.0	45.8	1.4	31.1	24.7	6.9	10.4	17.6	24.6	44.4	61.9	63.2
		Port	108	16471	95.8	43.7	2.9	29.9	23.0	6.6	10.7	19.0	24.4	40.8	50.6	62.6
		Trad	31	17529	100.0	47.8	0.0	32.2	26.4	6.8	9.8	16.8	23.4	49.6	.	.
Eyes symptoms at home	NA	All	458	129615	97.1	35.1	1.7	25.7	20.0	8.5	10.6	14.2	21.6	33.2	46.0	57.0
		Port	320	47001	96.2	49.2	4.6	32.1	23.8	8.9	12.8	18.1	26.5	41.1	58.1	73.5
		Trad	138	82614	97.7	27.1	0.1	22.1	18.1	8.5	9.9	13.1	19.6	27.6	38.2	46.1
Classroom age (yrs)	<=10yr	All	273	44801	96.0	45.5	2.9	30.6	23.0	10.5	12.2	19.2	25.0	38.1	57.8	65.7
		Port	250	32673	95.3	57.3	4.0	34.8	26.2	6.4	14.7	21.2	30.7	45.1	61.7	71.5

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	23	12128	98.0	13.8	0.2	19.2	16.2	9.2	12.0	12.4	16.2	21.8	30.7	35.1
Classroom age (yrs)	11-20yr	All	123	27029	95.7	48.7	3.9	34.1	26.7	7.3	11.3	18.8	26.3	46.2	62.1	63.5
		Port	110	19747	96.4	48.3	5.3	32.9	25.6	8.2	12.5	18.8	26.3	41.3	52.1	82.7
		Trad	13	7282	93.5	49.8	0.0	37.2	29.7	.	7.5	21.6	25.2	.	.	.
Classroom age (yrs)	21-30yr	All	50	24429	96.8	7.2	1.2	20.1	15.7	8.4	12.6	13.9	18.0	20.6	24.0	39.8
		Port	28	5389	97.3	15.1	5.5	26.8	18.2	4.2	9.5	12.8	17.9	22.6	50.2	84.1
		Trad	22	19040	96.7	5.0	0.0	18.2	15.1	8.6	12.7	13.9	17.7	20.2	22.3	24.5
Classroom age (yrs)	31-40yr	All	50	18353	97.7	44.5	0.0	26.5	21.1	4.1	10.3	15.9	22.6	37.3	40.2	48.6
		Port	20	3019	100.0	27.8	0.0	27.1	23.3	9.6	11.6	16.6	21.0	27.3	.	.
		Trad	30	15334	97.2	47.8	0.0	26.4	20.7	2.8	8.9	15.2	23.2	37.0	39.8	40.5
Classroom age (yrs)	41+yr	All	69	39339	96.8	33.9	0.3	25.6	18.7	8.2	10.7	12.7	19.9	31.1	50.1	63.7
		Port	4	343	100.0	66.0	0.0	46.4	41.0	.	.	.	.	.	.	.
		Trad	65	38996	96.7	33.7	0.3	25.5	18.6	8.2	10.7	12.6	19.9	30.9	50.0	62.5
Classroom age (yrs)	0-3yr	All	119	18008	96.1	51.7	3.5	32.1	23.7	10.8	11.8	15.7	27.7	41.0	62.1	71.7
		Port	113	14176	96.8	65.7	4.4	37.1	29.7	11.1	17.9	22.1	32.3	46.3	64.2	72.8
		Trad	6	3833	93.8	0.0	0.0	13.6	10.4	.	1.0	4.8	11.1	13.9	17.3	19.7
Classroom age (yrs)	4-5yr	All	77	12024	98.4	63.6	4.4	36.0	31.1	10.7	16.3	21.7	33.4	45.4	52.6	65.0
		Port	73	10438	98.1	59.9	5.1	36.2	31.2	11.4	16.3	21.4	33.4	45.4	56.3	76.6
		Trad	4	1586	100.0	87.8	0.0	34.5	30.5	.	.	.	.	.	.	.
Classroom age (yrs)	6-10yr	All	77	14768	94.0	23.2	1.1	24.3	17.4	0.5	11.6	16.6	20.3	26.5	45.5	59.9
		Port	64	8059	89.0	39.1	1.7	28.9	16.9	.	0.6	18.2	24.4	38.1	59.0	61.6
		Trad	13	6709	100.0	4.2	0.4	18.8	18.0	10.8	11.9	13.5	19.3	20.0	23.9	26.2
Classroom age (yrs)	11-15yr	All	91	21006	95.2	48.8	5.0	35.3	27.2	6.3	9.9	18.6	26.8	47.4	62.5	67.9
		Port	82	14911	96.5	49.6	7.1	33.8	25.9	7.7	11.6	18.2	26.8	41.1	52.4	89.4
		Trad	9	6095	92.3	46.7	0.0	39.1	30.5	.	6.7	21.2	25.0	.	.	.
Classroom age (yrs)	16+yr	All	201	88144	97.0	29.7	0.5	24.6	18.6	8.1	10.8	14.3	19.9	30.5	46.1	61.2
		Port	80	13588	97.6	29.6	2.2	28.7	21.9	9.1	12.6	17.2	21.3	31.4	57.2	65.9

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	121	74557	96.9	29.7	0.2	23.8	18.1	8.0	10.8	14.1	19.8	30.4	40.7	54.2
Classroom age (known/unknown)	Known	All	565	153951	96.5	36.9	1.8	27.8	20.9	8.3	11.5	15.3	21.8	35.6	52.5	63.6
		Port	412	61172	96.1	49.3	4.3	33.2	25.1	9.1	12.8	19.8	26.9	42.5	60.9	73.0
		Trad	153	92780	96.7	28.8	0.2	24.2	18.5	8.0	10.8	13.7	19.9	30.4	47.8	59.6
Classroom age (known/unknown)	Unknown	All	245	76204	97.4	30.8	1.2	24.4	19.1	7.9	8.8	13.4	21.2	30.9	45.7	53.3
		Port	162	24244	97.1	48.9	3.7	31.2	24.7	8.4	14.2	18.8	26.0	40.6	53.3	63.8
		Trad	83	51960	97.5	22.3	0.0	21.2	16.9	7.0	8.5	12.2	18.8	26.3	36.1	47.2
Major renovations/additions	Yes	All	233	85572	95.6	33.2	0.3	24.5	18.0	9.1	10.7	14.3	20.9	32.1	43.2	53.9
		Port	124	20170	95.8	40.1	0.5	27.8	21.8	9.1	10.5	18.6	23.2	36.5	46.2	57.0
		Trad	109	65402	95.5	31.0	0.2	23.4	17.0	8.6	10.7	13.9	20.0	30.5	41.6	51.2
Major renovations/additions	No	All	535	133876	97.3	35.6	2.4	28.0	21.6	8.0	10.4	14.6	22.0	36.3	54.1	63.6
		Port	421	60699	96.3	50.5	5.3	34.0	25.8	8.5	13.3	20.2	27.4	44.7	61.2	79.5
		Trad	114	73177	98.1	23.3	0.0	23.0	18.7	7.8	8.7	13.2	19.4	25.7	47.0	57.2
Addition/wall/floor renovations	Yes	All	87	32354	92.6	32.0	0.3	24.7	15.4	.	10.7	14.3	19.4	31.4	50.1	62.1
		Port	42	6191	99.0	50.3	1.6	31.4	26.9	10.5	14.1	20.2	26.7	35.1	58.9	61.1
		Trad	45	26163	91.1	27.7	0.0	23.1	13.5	.	9.1	13.1	17.6	29.2	49.9	.
Addition/wall/floor renovations	No	All	681	187094	97.3	35.1	1.8	27.0	21.1	8.3	10.7	14.6	22.0	34.8	50.6	62.7
		Port	503	74678	95.9	47.7	4.3	32.6	24.5	7.9	12.9	19.2	26.1	41.7	58.0	73.0
		Trad	178	112416	98.2	26.8	0.1	23.3	19.0	8.3	9.9	13.2	20.0	28.2	41.0	54.1
HVAC or lighting renovations	Yes	All	167	67109	94.5	34.9	0.2	24.2	16.9	0.4	10.7	13.7	20.4	32.2	42.9	54.3
		Port	79	13864	94.8	35.0	0.0	25.8	19.7	0.8	9.4	18.2	22.0	34.2	42.8	52.9
		Trad	88	53244	94.5	34.9	0.2	23.8	16.2	0.1	10.7	12.6	19.6	31.6	42.7	54.7
HVAC or lighting renovations	No	All	601	152339	97.5	34.5	2.2	27.7	21.7	8.1	10.8	14.6	22.0	35.1	52.5	63.4
		Port	466	67005	96.5	50.5	5.0	33.9	25.9	9.7	13.1	20.2	27.5	43.5	61.2	75.5
		Trad	135	85335	98.4	22.0	0.0	22.9	18.9	8.1	8.8	13.4	19.9	25.6	44.6	56.1
Roof renovations	Yes	All	92	42388	98.8	30.9	0.3	24.9	21.2	10.7	10.9	15.6	20.9	30.4	41.3	57.8
		Port	36	7744	98.8	39.7	0.0	26.4	23.6	9.8	11.7	18.5	22.3	33.3	43.2	45.0

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	56	34644	98.8	28.9	0.3	24.6	20.6	10.7	10.8	14.6	20.6	29.5	37.5	58.7
Roof renovations	No	All	676	177059	96.1	35.6	1.9	27.1	19.9	7.9	10.3	13.9	21.8	34.8	52.0	63.1
		Port	509	73124	95.9	48.7	4.6	33.1	24.8	7.9	13.0	20.1	26.8	41.9	60.3	73.7
		Trad	167	103935	96.2	26.3	0.0	22.8	17.0	7.3	8.8	12.9	19.3	27.2	45.9	54.4
Classroom size (sq. ft.)	<600	All	66	20541	98.1	23.8	1.0	24.1	19.5	10.6	11.9	16.2	18.9	25.1	45.4	50.2
		Port	44	5160	92.4	48.0	3.9	31.1	18.7	.	9.6	16.4	25.0	40.9	51.0	65.4
		Trad	22	15381	100.0	15.6	0.0	21.8	19.8	10.2	12.1	15.5	17.8	22.7	40.8	46.1
Classroom size (sq. ft.)	600-1100	All	538	135029	98.0	38.6	1.6	28.2	22.9	9.6	11.5	16.5	22.4	35.3	54.2	63.6
		Port	401	60372	96.3	45.4	3.2	31.3	24.7	9.2	13.1	18.8	24.5	40.5	55.2	66.9
		Trad	137	74657	99.3	33.0	0.2	25.8	21.5	9.7	10.7	14.1	20.4	31.2	54.0	62.7
Classroom size (sq. ft.)	>1100	All	206	74585	94.3	31.3	1.9	24.5	16.4	0.1	8.5	13.2	20.7	32.1	44.9	56.1
		Port	129	19883	97.5	60.7	7.0	36.9	28.0	10.7	14.3	22.0	31.3	45.3	63.7	80.8
		Trad	77	54702	93.1	20.6	0.0	20.0	13.5	.	7.1	12.5	15.6	26.1	37.2	41.1
Outdoor damper min setting	<=10%	All	48	13182	100.0	28.7	0.4	24.0	22.4	12.0	13.3	18.8	20.4	31.2	37.6	39.3
		Port	36	6504	100.0	34.8	0.8	25.6	23.6	10.5	14.6	18.8	22.1	31.7	36.9	41.0
		Trad	12	6677	100.0	22.7	0.0	22.5	21.2	12.0	12.3	16.1	20.2	23.3	36.2	.
Outdoor damper min setting	11-20%	All	122	43599	96.1	29.6	1.6	24.9	18.4	9.8	10.8	14.6	20.7	29.0	42.8	58.8
		Port	80	14728	98.2	41.8	4.8	31.0	25.8	12.0	14.4	20.2	23.7	34.5	44.0	57.8
		Trad	42	28872	95.1	23.4	0.0	21.7	15.5	0.6	10.4	12.9	18.8	24.4	39.7	.
Outdoor damper min setting	21-40%	All	22	8033	100.0	12.2	0.0	20.4	17.5	.	.	.	21.7	25.2	36.0	42.5
		Port	16	2086	100.0	25.9	0.0	26.0	24.4	.	.	19.2	22.0	28.5	38.5	40.9
		Trad	6	5947	100.0	7.3	0.0	18.5	15.5	.	.	.	10.7	25.0	25.6	.
Outdoor damper min setting	>40%	All	22	4833	96.4	56.7	10.0	34.3	23.8	5.6	6.1	8.8	30.5	48.6	64.0	.
		Port	16	2106	91.7	56.6	22.9	43.1	29.4	1.6	8.4	24.9	29.3	63.3	.	.
		Trad	6	2727	100.0	56.8	0.0	27.5	20.1	.	.	.	18.3	37.5	.	.
Outdoor damper min setting	Unknown	All	484	126550	95.6	35.2	1.7	26.7	19.5	7.9	10.8	14.0	21.7	34.6	51.6	62.6
		Port	351	48665	94.5	50.2	4.0	32.9	23.4	4.6	11.4	18.9	27.1	44.1	60.3	73.3

Variable Description	Category	Room Type	n	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
		Trad	133	77885	96.3	25.7	0.2	22.8	17.4	7.3	10.7	13.3	18.8	28.6	42.3	54.2
New pressed wood last yr	Yes	All	228	61685	98.0	45.3	2.5	30.9	24.3	9.7	12.0	16.3	23.8	41.1	63.0	64.5
		Port	167	24777	97.5	57.1	6.1	35.8	29.0	9.7	12.7	21.2	31.9	49.4	62.6	79.9
		Trad	61	36907	98.3	37.4	0.0	27.6	21.5	9.5	11.9	14.6	19.9	33.0	59.5	63.2
New pressed wood last yr	No	All	429	122979	95.9	28.4	1.3	24.6	18.0	7.7	9.4	13.5	20.6	29.2	46.2	55.1
		Port	303	42260	95.1	44.0	3.4	31.7	23.3	6.2	13.1	20.2	24.7	38.3	56.0	71.1
		Trad	126	80719	96.3	20.2	0.1	20.8	15.7	7.3	8.7	12.0	18.6	24.7	38.9	47.9
New pressed wood last yr	DK	All	81	25704	96.5	40.5	1.5	27.8	22.6	8.6	13.0	16.9	25.2	37.1	40.7	53.3
		Port	57	10719	98.3	43.2	3.3	29.8	23.9	11.0	14.8	18.0	23.0	34.5	54.0	65.2
		Trad	24	14984	95.3	38.6	0.2	26.4	21.7	6.2	11.4	15.0	23.1	37.2	39.7	43.6
New carpet past yr	Yes	All	138	29489	99.6	42.5	4.2	31.7	26.3	10.4	12.0	18.4	22.1	39.7	63.1	71.9
		Port	108	14656	99.1	55.8	8.5	37.3	31.5	14.9	18.7	21.0	29.8	47.2	72.3	83.1
		Trad	30	14833	100.0	29.3	0.0	26.1	22.0	9.3	10.7	14.8	19.7	32.7	.	.
New carpet past yr	No	All	630	189959	96.2	33.4	1.2	25.9	19.3	7.9	10.6	14.2	21.1	32.9	49.1	58.8
		Port	437	66213	95.5	46.1	3.2	31.4	23.4	7.8	12.7	18.4	25.7	40.8	54.3	65.1
		Trad	193	123746	96.5	26.7	0.1	22.9	17.4	7.6	9.8	13.2	19.8	28.7	41.3	54.1
New flooring past yr	Yes	All	183	46531	99.6	40.7	2.9	29.4	24.5	10.7	12.0	16.1	21.3	36.2	58.4	65.0
		Port	135	18350	98.9	53.8	7.4	36.1	30.0	13.5	18.6	20.9	27.7	44.2	67.3	80.8
		Trad	48	28181	100.0	32.1	0.0	25.1	21.5	10.6	11.7	13.2	19.9	32.2	51.4	.
New flooring past yr	No	All	441	130552	96.9	34.4	1.5	26.5	20.0	7.9	10.4	14.6	22.1	33.9	47.4	56.0
		Port	303	45538	97.1	49.1	3.9	33.4	26.2	12.1	14.3	20.6	26.9	42.8	57.0	71.5
		Trad	138	85013	96.8	26.5	0.2	22.8	17.4	7.4	8.7	13.8	20.0	27.6	40.1	49.1
New flooring past yr	DK	All	144	42365	92.4	28.8	0.4	24.1	16.4	0.9	9.2	12.7	17.5	32.0	53.4	63.1
		Port	107	16981	90.6	38.1	1.1	26.1	17.1	0.6	7.8	14.0	21.2	35.4	53.0	57.3
		Trad	37	25384	93.6	22.5	0.0	22.7	15.9	3.5	10.0	11.6	16.3	23.8	56.1	.

Approximate Standard Errors of Estimates

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
All classrooms	All	All	230156	0.9	2.8	0.4	1.0	1.06	1.6	0.8	0.8	0.9	1.7	3.2	8.1
		Port	85416	1.0	2.6	1.0	1.2	1.06	1.7	1.0	0.8	1.5	1.8	3.0	7.4
		Trad	144740	1.1	3.6	0.3	1.2	1.08	2.1	0.8	0.8	0.9	1.9	4.5	7.3
School location	Urban	All	40824	1.3	6.2	0.3	1.7	1.10	1.5	1.6	1.5	1.7	3.2	4.0	4.8
		Port	13035	1.1	6.7	0.8	2.4	1.10	2.6	1.3	2.0	3.0	4.1	6.1	6.0
		Trad	27788	1.9	7.6	0.0	1.8	1.13	N	2.9	1.8	1.9	3.3	4.9	N
School location	Suburb	All	173419	1.1	3.3	0.6	1.3	1.07	2.0	0.9	1.0	1.2	1.9	3.9	7.5
		Port	66262	1.2	3.0	1.2	1.4	1.07	2.4	1.3	0.8	1.6	2.2	3.3	7.1
		Trad	107157	1.5	4.4	0.3	1.6	1.10	2.6	0.8	0.8	1.6	2.8	5.7	6.9
School location	Rural	All	15913	0.7	7.2	0.3	2.0	1.10	1.6	1.8	2.2	2.0	3.4	5.1	6.1
		Port	6118	2.1	9.3	0.8	3.0	1.11	1.8	1.6	2.1	3.6	5.3	5.2	4.7
		Trad	9795	0.0	8.2	0.0	1.8	1.11	N	1.9	2.6	3.0	2.3	3.3	3.5
Geographic region	North	All	86702	1.6	3.3	0.6	1.1	1.08	2.4	1.2	0.6	0.9	2.1	3.3	7.0
		Port	32659	1.8	4.1	0.9	1.5	1.10	N	1.4	1.0	1.7	3.0	2.9	6.6
		Trad	54043	1.9	3.4	0.4	1.1	1.10	N	1.4	0.7	1.3	1.6	3.5	6.4
Geographic region	South	All	143454	1.0	3.9	0.6	1.5	1.08	2.0	1.3	1.4	1.5	2.1	4.3	7.2
		Port	52757	1.1	3.4	1.5	1.7	1.06	2.0	1.3	0.8	1.9	2.1	4.9	8.0
		Trad	90697	1.4	5.2	0.3	1.8	1.11	2.6	1.3	1.6	1.9	2.5	5.9	N
School type	Elem	All	119045	1.1	3.0	0.6	1.1	1.06	N	0.7	0.9	1.0	2.1	1.8	5.2
		Port	50580	1.3	3.3	1.2	1.4	1.07	2.3	1.1	1.1	1.8	2.2	3.0	6.6
		Trad	68465	1.3	4.0	0.5	1.2	1.08	1.9	0.7	0.9	1.4	1.8	4.0	2.4
School type	Middle	All	46772	0.8	6.6	0.5	2.1	1.09	2.5	1.9	1.7	1.7	4.2	5.5	4.7
		Port	15540	2.2	6.6	1.6	2.4	1.14	N	2.0	1.3	3.1	3.6	3.4	N
		Trad	31232	0.0	7.4	0.0	2.4	1.10	N	1.9	1.9	1.8	3.2	N	N

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
School type	High	All	64339	2.3	6.5	0.9	2.8	1.17	N	1.6	1.7	2.4	4.2	7.6	14.2
		Port	19296	2.0	5.7	2.8	3.3	1.12	2.7	2.0	1.4	2.0	3.7	12.7	N
		Trad	45043	3.0	8.4	0.3	3.1	1.21	N	N	1.0	2.6	4.4	8.9	7.5
Month of formaldehyde sample	April	All	70689	1.7	2.6	0.0	0.9	1.09	1.9	0.9	0.7	1.5	1.2	1.7	3.3
		Port	24201	2.7	4.2	0.0	1.2	1.13	2.8	2.4	1.6	1.1	1.8	2.8	4.3
		Trad	46488	1.9	3.1	0.0	1.0	1.10	2.2	1.3	1.0	1.4	1.6	1.7	N
Month of formaldehyde sample	May	All	111745	1.4	3.9	0.6	1.4	1.09	N	1.3	1.2	1.2	2.2	3.7	2.7
		Port	42578	1.1	3.7	1.5	1.5	1.07	N	1.2	0.7	2.2	2.5	4.8	6.1
		Trad	69167	2.0	5.1	0.2	1.7	1.13	N	1.5	1.4	1.2	2.8	4.8	4.3
Month of formaldehyde sample	June/July	All	47722	0.3	5.7	1.4	2.7	1.07	1.8	1.6	2.6	2.5	4.7	4.4	9.4
		Port	18637	0.7	5.0	2.6	3.2	1.09	3.0	2.2	2.2	2.5	4.2	9.5	N
		Trad	29085	0.0	8.2	1.2	3.0	1.09	1.9	1.9	3.1	2.2	6.5	6.8	4.0
Time of formaldehyde sample	Early_April	All	14554	1.8	1.8	0.0	1.4	1.12	N	1.1	0.8	1.3	2.9	3.2	3.7
		Port	4966	6.5	4.7	0.0	1.9	1.27	N	N	N	N	N	3.0	N
		Trad	9589	0.0	0.5	0.0	1.1	1.08	N	N	1.1	0.4	1.3	3.6	3.7
Time of formaldehyde sample	Late_April	All	56135	2.1	3.1	0.0	1.0	1.10	2.7	1.1	0.9	1.3	1.4	2.3	3.2
		Port	19235	2.9	4.7	0.0	1.3	1.14	N	3.0	1.4	1.3	1.5	3.2	N
		Trad	36899	2.4	3.8	0.0	1.1	1.12	2.8	1.6	1.4	1.6	1.4	1.7	N
Time of formaldehyde sample	Early_May	All	50538	1.2	6.3	0.9	2.1	1.10	2.6	1.3	1.7	2.3	4.4	4.7	4.3
		Port	18970	1.4	5.5	2.3	2.2	1.08	2.3	1.3	1.3	3.0	3.6	6.1	8.5
		Trad	31569	1.7	8.3	0.4	3.0	1.14	3.4	1.5	2.0	2.9	6.0	6.6	5.5
Time of formaldehyde sample	Late_May	All	61207	2.3	4.6	0.8	1.6	1.15	N	2.1	1.4	1.2	3.5	2.1	5.6
		Port	23608	1.7	4.9	2.1	2.1	1.11	N	2.6	1.1	2.8	2.7	5.7	7.2
		Trad	37599	3.4	5.2	0.0	1.6	1.21	N	N	1.8	1.6	2.6	4.7	N
Time of formaldehyde sample	June/July	All	47116	0.3	5.7	1.4	2.7	1.07	2.0	1.7	2.5	2.5	4.8	4.4	9.6
		Port	18421	0.7	5.1	2.6	3.2	1.09	3.1	2.2	2.2	2.6	4.2	9.7	N
		Trad	28695	0.0	8.2	1.2	3.0	1.09	2.1	2.1	2.9	2.5	6.5	6.8	3.9
<25% non-weekday in samp period	Yes	All	127884	1.0	3.7	0.5	1.1	1.07	1.7	1.1	1.0	1.0	1.7	3.1	5.9

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Port	45716	1.6	3.4	1.3	1.3	1.08	2.6	1.4	1.2	1.4	2.0	3.4	5.5
		Trad	82168	1.1	4.9	0.0	1.4	1.08	2.1	1.1	0.9	1.2	2.5	2.8	N
<25% non-weekday in samp period	No	All	101666	1.5	4.2	0.8	1.8	1.10	N	1.0	1.5	1.4	3.7	3.9	10.2
		Port	39484	1.0	4.0	1.5	2.0	1.08	2.3	1.5	0.9	2.4	2.5	5.0	11.6
		Trad	62182	2.2	5.4	0.6	2.2	1.14	N	1.3	1.2	2.0	5.0	6.1	7.4
General instruction classroom	Yes	All	188161	1.1	2.9	0.4	1.0	1.07	1.9	0.9	0.8	0.8	1.8	2.5	6.7
		Port	75614	1.1	2.9	0.9	1.2	1.06	2.1	1.2	0.8	1.3	1.8	2.7	5.1
		Trad	112546	1.5	3.8	0.2	1.2	1.09	N	1.0	0.7	1.1	2.2	3.5	4.3
General instruction classroom	No	All	39852	0.1	8.9	0.9	3.8	1.13	1.6	1.0	2.4	4.0	9.2	7.8	5.9
		Port	9080	0.5	8.3	4.1	5.0	1.11	1.1	1.7	2.7	3.8	6.7	N	N
		Trad	30773	0.0	10.8	0.1	4.2	1.16	N	0.8	2.3	4.4	6.5	9.0	8.8
Carpeted classroom	Full	All	111611	1.5	3.5	0.6	1.1	1.09	N	0.8	1.1	1.0	2.2	2.4	5.1
		Port	59952	1.1	3.2	1.1	1.3	1.06	2.2	1.1	1.0	1.2	2.0	2.7	5.6
		Trad	51659	2.8	6.0	0.1	1.5	1.17	N	2.6	1.4	1.2	3.7	3.6	4.2
Carpeted classroom	Partial	All	58271	2.1	4.3	0.5	1.4	1.10	2.4	1.2	1.1	1.7	2.5	2.7	5.4
		Port	18174	3.1	5.7	1.2	2.4	1.17	N	4.2	1.4	N	N	N	N
		Trad	40097	2.2	5.0	0.5	1.5	1.12	2.5	1.3	1.0	1.9	2.1	4.6	N
Carpeted classroom	None	All	60274	0.0	7.1	0.7	3.1	1.11	1.3	1.3	1.3	3.2	6.5	7.1	6.6
		Port	7290	0.0	11.1	4.8	7.0	1.16	N	N	N	N	7.3	N	N
		Trad	52984	0.0	7.6	0.2	3.0	1.12	1.4	1.4	1.0	2.8	5.8	7.6	N
Vinyl/linoleum floor	Yes	All	109034	1.1	4.3	0.5	1.9	1.08	1.5	1.1	0.7	1.7	3.7	4.9	7.4
		Port	26050	2.2	5.2	1.6	2.7	1.13	3.4	2.3	1.3	2.8	4.6	4.4	10.6
		Trad	82984	0.9	4.9	0.3	2.0	1.08	1.6	1.1	0.8	2.1	2.9	7.2	N
Vinyl/linoleum floor	No	All	121122	1.4	3.5	0.6	1.0	1.09	N	0.8	1.1	1.2	1.9	2.0	4.6
		Port	59366	1.2	3.2	1.1	1.3	1.06	2.2	1.0	1.0	1.2	1.8	2.7	5.6
		Trad	61756	2.4	5.9	0.1	1.4	1.15	N	1.0	1.5	1.2	3.2	2.2	3.4
Vinyl tackable wallboard	Yes	All	109990	1.1	3.8	0.7	1.5	1.08	2.1	1.3	1.4	1.5	2.9	3.5	4.2
		Port	66725	1.3	3.0	1.0	1.4	1.07	2.3	1.2	1.0	1.6	2.2	3.3	8.1

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Trad	43265	1.9	7.8	0.5	3.0	1.15	N	1.7	2.1	1.9	6.8	7.0	4.8
Vinyl tackable wallboard	No	All	116536	1.3	3.7	0.4	1.2	1.08	2.4	0.8	0.8	1.1	1.9	2.9	7.2
		Port	17315	1.2	5.5	2.6	2.2	1.10	2.9	0.9	1.2	2.7	3.5	4.7	7.5
		Trad	99221	1.5	4.2	0.1	1.2	1.09	2.7	0.8	0.8	1.1	2.1	3.1	4.0
Open windows	Never	All	59295	1.7	5.8	0.5	2.1	1.11	2.8	0.9	1.3	1.8	3.5	8.7	11.8
		Port	10196	2.6	6.1	2.1	2.7	1.16	N	3.1	1.7	2.7	3.6	5.2	N
		Trad	49100	1.9	6.9	0.2	2.4	1.13	N	0.9	1.3	2.1	4.2	N	N
Open windows	Infrequent	All	102420	1.7	4.1	0.7	1.7	1.11	N	1.4	1.3	1.5	2.6	4.8	10.4
		Port	47645	1.6	3.6	1.2	1.8	1.09	2.7	1.7	1.3	1.8	2.4	2.8	10.5
		Trad	54775	2.5	6.1	0.4	2.3	1.17	N	1.9	2.1	2.1	3.8	6.8	N
Open windows	Frequent	All	61938	0.6	4.8	0.8	1.5	1.07	2.2	1.2	1.4	1.6	2.4	4.1	6.1
		Port	26269	1.0	4.6	1.9	1.8	1.08	2.3	1.3	1.2	2.0	2.4	5.1	6.6
		Trad	35669	0.7	7.3	0.1	1.8	1.10	1.2	1.3	1.4	1.9	3.7	3.8	5.5
Open door to outside	Infreq	All	105524	1.0	3.8	0.7	1.3	1.07	1.5	1.0	1.4	1.3	2.0	3.2	6.6
		Port	45164	1.3	3.4	1.6	1.8	1.06	2.2	1.1	1.1	1.4	2.6	4.7	9.2
		Trad	60360	1.4	5.7	0.2	1.5	1.10	2.1	0.9	1.5	2.4	2.9	3.5	2.8
Open door to outside	Freq	All	87860	0.9	4.4	0.5	1.5	1.06	1.8	0.9	1.2	1.5	2.2	5.7	6.8
		Port	36926	1.8	4.0	0.9	1.5	1.10	N	1.5	1.0	2.1	2.5	3.2	6.0
		Trad	50934	0.9	6.6	0.4	2.2	1.07	1.4	1.0	1.2	1.6	3.4	7.5	N
Open door to outside	NA	All	29830	4.7	8.1	0.1	3.9	1.32	N	N	1.6	2.1	7.0	9.9	9.6
		Port	66	0.0	0.0	28.7	22.7	1.41	N	N	N	N	N	N	N
		Trad	29764	4.7	8.1	0.1	3.9	1.32	N	N	1.6	2.0	6.8	9.9	9.7
Pressed wood furniture	Yes	All	203508	1.0	3.0	0.4	1.1	1.06	1.6	0.8	0.7	0.9	1.7	3.4	8.8
		Port	77934	1.1	2.8	0.8	1.3	1.06	2.1	1.1	0.8	1.2	1.9	2.9	6.2
		Trad	125574	1.3	4.0	0.2	1.3	1.08	2.1	1.0	0.6	1.1	2.1	4.9	6.9
Pressed wood furniture	No	All	26648	2.5	9.0	2.1	3.8	1.20	N	2.4	3.0	5.8	6.9	6.3	7.5
		Port	7482	0.9	8.3	6.8	4.5	1.12	3.7	2.6	2.9	5.9	9.9	9.8	N
		Trad	19165	3.4	11.2	0.0	4.4	1.27	N	N	2.5	5.2	6.4	N	N

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
Pressed wood table/desks	Yes	All	180549	1.1	3.2	0.4	1.1	1.07	N	0.9	0.7	0.9	1.7	3.8	9.2
		Port	71065	1.2	3.0	0.8	1.3	1.07	2.2	1.3	0.8	1.2	2.0	3.0	6.7
		Trad	109484	1.4	4.4	0.2	1.5	1.09	2.3	1.1	0.7	1.2	2.0	5.6	5.5
Pressed wood table/desks	No	All	49607	1.4	6.0	1.2	2.3	1.11	2.8	0.7	2.1	2.4	4.0	5.7	4.9
		Port	14351	1.1	5.8	3.9	2.9	1.10	3.0	1.1	2.0	3.7	3.7	9.3	8.6
		Trad	35256	1.9	7.7	0.3	2.7	1.15	N	0.9	2.2	3.2	4.4	N	N
Pressed wood bookcases	Yes	All	123865	1.2	3.6	0.5	1.2	1.08	2.3	0.9	1.0	1.1	2.0	3.7	8.4
		Port	49635	0.9	3.4	0.9	1.3	1.06	2.3	0.8	0.9	1.7	2.0	3.1	5.1
		Trad	74231	1.9	5.1	0.3	1.7	1.12	N	1.3	0.9	1.7	2.1	5.8	N
Pressed wood bookcases	No	All	106291	1.2	4.4	0.7	1.8	1.09	2.3	0.9	1.1	1.3	3.2	5.9	7.9
		Port	35781	2.2	4.6	1.9	2.3	1.11	3.0	2.2	1.2	2.2	3.7	6.4	11.1
		Trad	70509	1.4	5.6	0.2	2.0	1.11	N	1.1	1.2	1.5	4.2	5.8	N
Pressed wood cabinets	Yes	All	103903	1.6	4.2	0.4	1.5	1.10	2.4	1.3	1.1	1.5	2.2	4.6	9.4
		Port	41483	1.5	3.8	0.9	1.5	1.08	2.6	1.0	1.1	1.8	2.1	3.2	6.0
		Trad	62419	2.3	6.0	0.2	2.2	1.15	N	1.6	1.3	1.8	3.9	N	N
Pressed wood cabinets	No	All	126253	0.9	3.8	0.6	1.5	1.07	1.9	0.7	1.1	1.2	2.0	4.8	8.8
		Port	43933	1.4	3.9	1.6	1.9	1.08	2.7	1.2	1.1	1.4	3.3	3.3	9.0
		Trad	82321	1.1	4.9	0.3	1.6	1.09	2.3	0.8	1.2	1.6	2.5	4.9	N
New furnishings this school yr	Yes	All	49215	1.2	5.5	1.0	1.9	1.09	N	0.7	1.7	2.3	2.7	4.2	5.8
		Port	21446	1.2	5.2	2.2	2.1	1.09	2.6	1.1	1.6	2.5	3.4	4.4	5.7
		Trad	27769	2.0	6.9	0.0	2.0	1.12	1.9	0.8	1.5	2.5	3.3	5.2	N
New furnishings this school yr	No	All	169405	1.1	3.5	0.5	1.3	1.07	2.1	1.0	1.0	1.1	2.5	4.6	7.1
		Port	59010	1.4	3.1	1.1	1.5	1.08	2.6	1.6	0.9	1.2	2.3	3.2	6.9
		Trad	110394	1.5	4.5	0.2	1.6	1.10	N	1.2	0.7	1.5	2.6	5.8	6.1
New furnishings this school yr	DK	All	8564	0.0	8.8	1.1	2.9	1.14	1.7	1.7	2.1	3.7	4.5	6.4	6.2
		Port	3579	0.0	12.8	2.5	3.3	1.11	N	3.0	2.7	4.0	4.9	5.1	N
		Trad	4985	0.0	11.9	0.0	2.6	1.16	N	N	N	2.1	N	N	N
Type appliances in room	Stove/burnr	All	13483	3.2	14.6	2.6	8.8	1.36	N	4.4	6.5	13.0	11.2	8.2	N

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Port	4829	3.9	10.6	8.1	9.9	1.29	N	N	4.8	4.6	8.2	N	N
		Trad	8654	2.9	21.8	0.0	11.2	1.49	N	4.3	7.1	12.1	N	N	N
Type appliances in room	Other	All	65172	1.1	4.6	0.7	1.6	1.07	2.3	1.3	1.2	1.5	3.0	5.6	8.0
		Port	28596	2.4	4.9	1.0	1.5	1.12	3.0	2.3	1.3	1.7	2.2	3.7	5.5
		Trad	36576	0.0	6.9	0.6	2.6	1.09	N	N	1.3	1.9	5.0	6.9	6.3
Type appliances in room	None	All	125947	1.4	3.7	0.5	1.2	1.09	N	1.0	1.3	1.2	1.6	2.3	5.5
		Port	45014	1.0	3.4	1.4	1.5	1.06	2.0	1.0	0.9	1.4	2.5	4.7	6.6
		Trad	80933	2.1	4.7	0.2	1.2	1.12	N	1.2	1.1	1.9	2.1	3.0	3.8
Chemical present in room	Yes	All	111686	1.1	4.1	0.6	1.6	1.07	1.9	1.2	1.3	1.4	2.5	5.3	9.5
		Port	39052	1.7	4.0	1.5	1.9	1.09	N	1.9	1.0	1.8	2.9	4.2	8.5
		Trad	72634	1.0	5.3	0.3	2.0	1.09	2.3	1.2	1.3	1.4	3.4	6.5	N
Chemical present in room	No	All	118470	1.4	3.6	0.5	1.2	1.09	N	0.9	0.8	1.0	2.3	2.9	6.8
		Port	46364	1.3	3.6	1.2	1.4	1.08	2.8	1.2	1.1	1.3	2.8	2.7	5.4
		Trad	72106	2.1	5.4	0.2	1.7	1.13	N	1.4	0.9	2.1	2.8	5.3	N
Oil/acrylic paints used	Yes	All	28768	2.2	5.5	1.5	1.8	1.13	N	2.0	1.7	1.1	4.4	5.8	8.8
		Port	10240	5.1	7.1	3.9	3.5	1.30	N	5.0	2.1	3.6	6.0	9.7	N
		Trad	18528	1.8	6.7	0.0	1.8	1.13	N	1.7	1.8	1.9	1.5	4.4	4.3
Oil/acrylic paints used	No	All	201387	0.9	3.2	0.4	1.2	1.07	1.6	0.7	0.9	1.1	2.0	3.7	9.3
		Port	75176	0.9	2.9	0.9	1.3	1.06	1.8	1.0	0.9	1.4	2.0	2.8	7.4
		Trad	126212	1.3	4.2	0.2	1.5	1.09	2.3	0.9	0.8	1.6	2.4	4.8	6.0
Permanent marker/pen used	Yes	All	177758	0.8	3.1	0.4	1.0	1.05	1.5	0.6	0.8	1.1	2.0	3.0	7.8
		Port	67984	1.1	3.0	0.8	1.2	1.06	1.9	1.1	0.7	1.4	2.0	2.5	4.7
		Trad	109774	0.9	4.2	0.2	1.3	1.07	1.7	0.6	0.8	1.2	2.4	3.6	6.6
Permanent marker/pen used	No	All	52398	2.9	6.7	1.0	3.1	1.20	N	3.0	2.5	2.7	5.3	7.1	4.3
		Port	17432	3.0	6.8	3.1	3.7	1.17	N	3.8	2.0	2.8	5.2	9.7	N
		Trad	34966	3.8	8.7	0.0	3.4	1.27	N	N	2.4	3.8	6.5	N	N
Whiteboard marker used	Yes	All	188179	1.1	3.2	0.5	1.2	1.07	1.9	0.7	1.0	1.1	2.1	3.7	7.5
		Port	71394	1.2	3.1	1.1	1.4	1.06	2.1	1.1	0.8	1.6	2.2	3.6	6.0

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Trad	116785	1.5	4.2	0.2	1.5	1.09	N	1.0	1.0	1.4	2.2	5.8	4.1
Whiteboard marker used	No	All	41977	0.6	6.7	0.1	1.6	1.09	2.2	1.7	1.3	2.5	3.1	2.2	5.8
		Port	14022	1.9	7.3	0.3	1.5	1.13	N	1.4	1.8	2.5	2.4	3.1	3.9
		Trad	27955	0.0	8.6	0.1	2.2	1.12	N	1.8	1.8	2.2	3.8	3.8	N
Glues/fluids used	Yes	All	152451	0.6	3.5	0.4	1.2	1.05	1.2	1.0	1.2	1.2	2.1	3.3	9.0
		Port	57549	1.1	3.3	0.9	1.3	1.06	1.9	1.2	1.0	1.4	2.6	2.6	5.2
		Trad	94902	0.7	4.8	0.3	1.5	1.07	1.4	0.9	1.2	N	N	N	N
Glues/fluids used	No	All	77705	2.2	4.9	0.8	2.2	1.14	N	2.8	1.0	1.8	3.4	5.5	8.7
		Port	27867	1.7	4.4	2.2	2.4	1.11	N	1.8	1.1	1.9	2.6	6.7	11.4
		Trad	49838	3.1	6.3	0.1	2.4	1.20	N	N	N	N	4.1	7.4	N
Correction fluid used	Yes	All	140218	0.7	3.6	0.5	1.2	1.06	1.2	1.0	1.1	1.3	2.2	3.6	8.8
		Port	52388	1.2	3.5	0.9	1.3	1.06	2.0	1.2	1.1	1.7	2.6	2.5	4.8
		Trad	87829	0.7	5.0	0.3	1.6	1.07	1.6	0.9	1.0	1.7	2.8	3.7	4.7
Correction fluid used	No	All	89938	1.9	4.5	0.7	1.9	1.12	N	1.6	1.1	1.4	3.4	4.6	8.1
		Port	33027	1.6	4.1	1.9	2.2	1.10	N	1.4	1.1	1.9	2.6	6.3	10.6
		Trad	56911	2.7	5.8	0.0	2.2	1.17	N	3.1	1.1	1.8	4.6	6.8	N
Epoxy/rubber cement used	Yes	All	29778	1.0	6.3	1.2	1.9	1.07	2.0	0.9	1.3	1.5	3.8	3.6	7.0
		Port	12924	2.2	6.3	2.7	2.9	1.13	3.3	1.4	2.0	2.3	5.0	5.5	N
		Trad	16854	0.0	9.6	0.2	2.3	1.09	1.2	1.5	1.5	1.7	4.7	5.3	4.6
Epoxy/rubber cement used	No	All	200378	1.0	3.1	0.4	1.2	1.07	1.8	0.8	0.9	1.1	2.1	4.0	8.9
		Port	72492	1.2	3.0	1.0	1.3	1.06	2.2	1.2	0.8	1.5	1.8	2.8	6.5
		Trad	127886	1.3	4.1	0.2	1.4	1.09	2.3	0.9	0.7	1.3	2.2	5.1	4.9
Air freshener used	Yes	All	74849	1.3	4.8	0.7	1.3	1.07	1.8	1.1	1.5	1.5	2.3	2.7	5.2
		Port	33106	2.0	4.3	1.1	1.5	1.10	N	2.5	1.4	1.9	2.0	3.0	6.2
		Trad	41743	1.3	7.4	0.5	1.7	1.07	1.7	0.9	1.6	2.3	3.1	4.9	N
Air freshener used	No	All	155307	1.1	3.4	0.5	1.4	1.08	2.2	0.9	0.9	1.0	2.4	4.9	8.4
		Port	52310	0.9	3.5	1.4	1.7	1.06	1.8	0.7	0.9	1.6	2.8	3.4	9.5
		Trad	102997	1.6	4.3	0.1	1.7	1.11	N	1.0	0.8	1.4	2.6	6.1	5.4

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
Air freshener used - plug-in	Yes	All	36508	2.2	6.0	0.7	1.7	1.10	2.6	1.6	1.7	1.9	2.7	3.3	5.4
		Port	17274	2.7	5.4	1.4	2.1	1.16	N	N	N	2.1	2.9	3.5	8.9
		Trad	19234	2.7	9.6	0.0	2.1	1.10	2.3	1.9	2.0	3.5	3.7	N	N
Air freshener used - plug-in	No	All	193648	0.9	3.2	0.5	1.2	1.07	1.9	0.8	0.9	1.0	2.2	4.1	6.7
		Port	68142	1.0	3.0	1.1	1.4	1.05	1.7	0.8	0.7	1.6	2.2	3.1	8.0
		Trad	125506	1.3	4.1	0.2	1.5	1.09	2.5	0.9	0.7	1.3	2.6	5.0	6.9
Air freshener used - spray	Yes	All	45884	1.4	6.3	1.0	1.8	1.09	2.3	1.1	2.0	2.1	2.4	3.7	7.5
		Port	19393	2.7	6.0	1.6	2.1	1.14	N	3.2	1.9	2.5	2.9	3.7	7.4
		Trad	26492	1.1	9.9	0.8	2.4	1.10	1.0	1.2	2.3	3.4	3.7	N	N
Air freshener used - spray	No	All	184271	1.0	3.1	0.4	1.2	1.07	1.9	0.8	0.9	1.0	2.0	4.2	6.9
		Port	66023	1.1	3.2	1.1	1.4	1.06	2.1	0.7	0.7	1.3	2.2	3.0	8.3
		Trad	118248	1.4	4.0	0.1	1.5	1.09	N	1.0	0.8	1.2	2.2	5.1	4.8
New furnishings odor	Never	All	203163	1.0	3.1	0.4	1.2	1.06	1.9	0.7	0.9	0.9	2.0	3.9	8.3
		Port	68750	1.1	3.1	1.1	1.3	1.06	2.2	1.0	0.9	1.3	2.2	2.3	5.9
		Trad	134412	1.2	4.0	0.2	1.4	1.08	2.3	0.8	0.7	1.2	2.4	4.7	4.6
New furnishings odor	Sometimes	All	19471	2.6	6.5	1.5	2.3	1.10	3.2	2.4	1.6	2.3	4.0	4.3	10.1
		Port	10683	1.1	8.5	2.7	3.6	1.09	1.3	1.7	2.7	4.0	4.6	10.3	N
		Trad	8788	5.5	8.4	0.3	2.4	1.20	N	3.6	3.0	2.4	3.4	6.0	5.8
New furnishings odor	Often	All	2488	0.0	10.9	0.0	4.4	1.11	N	4.0	3.2	6.1	N	N	N
		Port	2132	0.0	12.2	0.0	5.1	1.13	N	4.3	2.6	9.3	N	N	N
		Trad	356	0.0	0.0	0.0	0.0	1.00	N	N	N	N	N	N	N
Construction activity this yr	Current	All	55860	0.8	6.6	0.6	2.7	1.10	2.0	0.8	2.4	2.8	5.2	6.3	8.0
		Port	20271	0.9	5.3	1.5	2.3	1.07	2.0	1.7	1.6	2.3	3.2	4.7	7.5
		Trad	35589	1.2	9.2	0.1	3.8	1.15	N	1.0	2.5	4.2	7.5	N	N
Construction activity this yr	Previous	All	107657	1.7	4.1	0.8	1.6	1.11	N	1.4	1.1	1.3	2.4	4.6	9.3
		Port	42790	1.5	3.9	1.7	1.9	1.08	2.8	1.0	1.0	1.5	2.3	4.9	8.8
		Trad	64867	2.5	5.7	0.4	1.8	1.16	N	2.3	1.7	1.9	2.9	4.4	N
Construction activity this yr	Never	All	58874	0.6	4.6	0.2	1.3	1.06	1.8	1.2	0.8	1.4	2.4	4.0	5.0

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Port	19464	1.9	5.8	0.7	1.8	1.10	3.0	1.8	1.5	2.7	4.1	2.6	5.9
		Trad	39410	0.0	5.7	0.0	1.4	1.07	N	1.3	0.7	1.8	2.3	4.8	N
Construction activity this yr	Unknown	All	3686	5.0	10.1	0.0	2.4	1.34	N	N	2.9	2.4	3.8	N	N
		Port	1638	10.3	14.8	0.0	4.2	1.80	N	N	N	5.0	3.7	N	N
		Trad	2048	0.0	0.0	0.0	2.8	1.13	N	N	N	N	N	N	N
Carpentry activity this yr	Yes	All	76690	1.0	5.6	0.6	2.5	1.10	1.8	1.1	1.6	2.3	4.1	5.4	9.6
		Port	26825	1.0	4.8	1.7	2.6	1.08	1.8	0.8	1.4	2.5	3.1	3.9	N
		Trad	49866	1.4	7.8	0.2	3.2	1.14	2.6	0.9	1.7	3.9	6.5	6.7	N
Carpentry activity this yr	No	All	153465	1.2	3.1	0.5	0.9	1.07	2.1	1.0	0.9	0.9	1.5	2.3	4.8
		Port	58591	1.4	3.3	1.1	1.3	1.08	2.7	1.7	0.9	1.5	2.1	3.4	5.3
		Trad	94874	1.6	4.0	0.2	1.0	1.10	N	1.2	0.7	1.2	1.5	4.0	4.0
In-room construction this yr	Yes	All	34581	1.4	7.4	0.2	3.4	1.13	2.2	1.3	1.6	3.5	8.4	6.1	4.3
		Port	10769	2.4	6.6	0.5	1.8	1.14	N	2.3	1.5	3.0	2.8	3.2	3.4
		Trad	23813	1.7	10.4	0.0	4.8	1.19	N	N	N	N	9.1	N	N
In-room construction this yr	No	All	195135	1.0	3.0	0.5	1.1	1.07	1.8	0.9	0.9	0.9	1.7	2.7	7.9
		Port	74240	1.1	2.9	1.1	1.4	1.06	2.0	0.9	0.7	1.4	2.2	3.1	7.5
		Trad	120896	1.4	4.0	0.2	1.1	1.09	N	1.0	0.8	1.1	1.9	3.0	5.8
Other school construction this yr	Yes	All	157936	1.2	3.7	0.6	1.5	1.08	2.2	0.9	1.3	1.3	2.1	4.6	8.3
		Port	61681	1.0	3.3	1.3	1.6	1.06	2.1	1.2	0.9	1.5	2.1	3.8	6.2
		Trad	96255	1.8	5.1	0.3	1.8	1.12	N	1.1	1.2	1.9	3.0	5.9	6.2
Other school construction this yr	No	All	72220	0.7	4.0	0.2	1.1	1.06	1.8	1.1	0.8	1.2	1.8	4.2	5.8
		Port	23734	2.0	5.2	0.7	1.6	1.11	N	2.3	1.3	2.7	3.7	2.4	6.4
		Trad	48485	0.0	4.9	0.0	1.2	1.06	N	1.1	0.8	1.4	2.1	2.9	N
# teacher complaints in school yr	0	All	91495	1.8	4.2	0.5	1.3	1.11	N	1.0	1.2	1.4	2.5	3.8	6.6
		Port	33620	1.6	4.1	1.4	1.6	1.10	N	1.4	1.0	1.5	3.1	4.1	6.6
		Trad	57876	2.5	5.7	0.0	1.7	1.16	N	1.5	1.4	1.9	2.7	4.2	N
# teacher complaints in school yr	1-5	All	115248	1.0	4.1	0.6	1.5	1.07	1.4	1.2	0.9	1.2	2.8	4.4	9.7
		Port	43361	1.4	3.8	1.4	1.8	1.08	2.2	1.2	1.2	1.8	2.1	3.2	9.2

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Trad	71887	1.3	5.6	0.2	1.9	1.09	1.9	1.2	1.0	1.4	3.9	6.3	N
# teacher complaints in school yr	>5	All	19744	0.3	10.1	1.1	4.6	1.17	2.3	1.8	2.0	4.6	11.2	8.7	8.1
		Port	7289	0.9	11.1	0.4	2.6	1.11	3.3	2.6	1.9	3.7	3.9	6.5	5.7
		Trad	12454	0.0	14.2	1.8	7.0	1.26	N	N	0.6	4.4	10.1	12.7	N
Overall air quality (teacher)	Excellent	All	36264	1.4	5.8	1.0	1.8	1.10	2.4	1.2	2.0	1.8	3.6	2.7	6.4
		Port	14035	1.3	5.9	2.5	2.4	1.10	N	2.0	0.9	3.2	3.8	5.8	N
		Trad	22229	1.7	8.0	0.0	2.0	1.11	2.3	0.9	1.9	2.9	3.5	4.5	N
Overall air quality (teacher)	Good	All	85306	2.0	4.1	0.8	1.3	1.12	N	1.9	0.8	1.5	1.7	3.2	5.6
		Port	28049	1.9	4.9	2.0	2.0	1.10	3.0	1.7	1.3	2.1	4.1	5.3	7.5
		Trad	57257	2.8	5.1	0.4	1.4	1.17	N	N	1.1	1.7	2.1	3.1	4.3
Overall air quality (teacher)	Adequate	All	75748	0.8	5.8	0.6	2.4	1.08	1.8	1.1	1.8	2.7	4.1	5.5	7.5
		Port	29544	1.3	4.8	1.4	2.2	1.09	3.1	1.5	1.2	2.0	2.6	4.6	10.4
		Trad	46204	0.9	8.1	0.1	3.1	1.11	1.6	1.1	2.2	3.5	6.6	7.2	N
Overall air quality (teacher)	Poor	All	26212	1.7	6.9	0.9	2.3	1.11	3.0	2.3	2.8	2.1	4.3	3.9	4.3
		Port	10797	4.0	6.9	2.1	3.0	1.18	3.8	4.3	2.1	2.8	2.9	4.6	N
		Trad	15415	0.0	9.8	0.0	2.8	1.14	N	N	2.9	1.9	5.2	N	N
Overall air quality (teacher)	Very_poor	All	4550	0.0	15.4	0.0	6.1	1.28	N	3.1	3.4	6.3	9.7	7.9	N
		Port	1910	0.0	14.7	0.0	3.6	1.17	N	N	3.8	4.5	5.5	N	N
		Trad	2640	0.0	20.9	0.0	9.5	1.46	N	N	N	N	N	N	N
Nose symptoms past 2 weeks	None	All	101233	0.5	4.1	0.7	1.6	1.06	1.7	1.0	0.8	1.4	2.6	4.9	9.0
		Port	35064	1.5	4.3	2.0	2.2	1.09	N	1.6	1.2	2.0	3.3	6.8	9.4
		Trad	66169	0.0	5.5	0.0	1.6	1.07	0.9	1.1	0.9	1.6	N	N	N
Nose symptoms past 2 weeks	Occasional	All	76978	2.3	4.8	0.5	1.6	1.14	N	2.8	1.7	1.7	2.2	4.5	9.9
		Port	26192	2.3	4.3	1.4	1.7	1.10	3.0	2.8	1.3	2.1	2.5	3.8	7.2
		Trad	50786	3.3	6.4	0.2	2.1	1.20	N	N	N	N	N	5.2	N
Nose symptoms past 2 weeks	Frequent	All	48946	0.4	5.8	0.5	2.3	1.08	1.8	1.4	1.3	2.1	4.5	4.3	3.1
		Port	21696	0.8	5.6	0.7	1.7	1.07	2.7	1.6	1.2	2.3	2.8	3.9	5.6
		Trad	27250	0.0	9.1	0.8	3.8	1.13	N	2.3	1.9	2.3	9.2	6.2	4.9

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
Nose symptoms at home	Same/worse	All	69745	2.4	4.8	0.3	1.5	1.14	N	2.6	1.5	1.5	2.8	3.9	7.4
		Port	23742	1.5	4.6	0.9	1.4	1.08	2.2	1.6	1.3	2.0	2.5	3.0	5.7
		Trad	46004	3.5	6.4	0.1	2.1	1.21	N	N	N	N	4.1	N	N
Nose symptoms at home	Improves	All	43426	1.0	6.8	0.9	3.0	1.13	2.5	1.6	2.1	2.7	5.6	5.8	4.1
		Port	20137	2.4	5.4	1.2	2.2	1.12	3.7	2.9	1.2	2.5	2.9	4.7	9.7
		Trad	23289	0.0	10.7	1.1	4.9	1.18	N	N	2.1	5.2	10.1	8.0	7.0
Nose symptoms at home	NA	All	101233	0.5	4.1	0.7	1.6	1.06	1.7	1.0	0.8	1.4	2.6	4.9	9.0
		Port	35064	1.5	4.3	2.0	2.2	1.09	N	1.6	1.2	2.0	3.3	6.8	9.4
		Trad	66169	0.0	5.5	0.0	1.6	1.07	0.9	1.1	0.9	1.7	3.5	3.4	N
Throat symptoms past 2 weeks	None	All	125701	0.6	3.7	0.6	1.5	1.06	1.3	1.0	0.6	1.0	2.7	5.2	9.0
		Port	44338	1.2	3.9	1.7	1.9	1.08	2.8	0.8	1.0	2.1	2.4	5.3	11.5
		Trad	81363	0.5	4.6	0.1	1.6	1.06	1.5	0.9	0.7	1.5	3.1	4.4	N
Throat symptoms past 2 weeks	Occasional	All	68293	1.6	5.5	0.7	2.1	1.11	2.4	1.9	1.9	2.2	3.3	5.6	3.7
		Port	25125	2.3	5.4	1.1	1.7	1.12	3.4	3.2	1.5	2.0	2.7	4.0	7.1
		Trad	43167	2.2	7.4	0.6	2.8	1.15	N	1.9	2.0	2.8	4.8	7.5	5.9
Throat symptoms past 2 weeks	Frequent	All	26844	2.2	5.6	0.5	1.7	1.14	N	1.3	1.8	1.4	4.0	3.1	2.4
		Port	13276	1.4	6.6	1.1	1.9	1.10	2.9	1.9	1.7	2.4	2.8	3.2	3.5
		Trad	13568	4.1	8.9	0.0	2.8	1.27	N	N	2.3	1.8	6.1	N	N
Throat symptoms at home	Same/worse	All	40813	2.5	5.8	0.4	1.5	1.15	N	1.9	2.1	1.7	2.4	3.4	4.1
		Port	15009	0.5	5.9	1.0	1.6	1.06	2.9	2.3	1.6	1.7	2.5	4.8	5.6
		Trad	25804	3.9	8.2	0.0	2.1	1.23	N	N	N	N	2.9	5.0	N
Throat symptoms at home	Improves	All	42734	1.2	6.7	1.1	2.9	1.13	2.1	2.0	2.3	2.7	5.4	5.7	3.9
		Port	19333	3.0	6.0	1.3	1.9	1.15	N	3.5	2.1	2.7	2.9	3.1	7.5
		Trad	23401	0.0	10.8	1.1	4.8	1.18	N	N	2.8	4.0	8.9	8.0	6.9
Throat symptoms at home	NA	All	125701	0.6	3.7	0.6	1.5	1.06	1.3	1.0	0.6	1.0	2.7	5.2	9.0
		Port	44338	1.2	3.9	1.7	1.9	1.08	2.8	0.8	1.0	2.1	2.4	5.3	11.5
		Trad	81363	0.5	4.6	0.1	1.6	1.06	1.5	0.9	0.7	1.5	3.1	4.4	N
Eyes symptoms past 2 weeks	None	All	129615	1.0	3.6	0.6	1.3	1.07	1.9	0.8	0.7	1.2	2.2	3.3	8.4

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Port	47001	1.5	3.8	1.5	1.7	1.09	2.9	1.1	1.3	1.7	2.5	5.2	8.4
		Trad	82614	1.2	5.0	0.1	1.4	1.08	2.0	0.9	0.7	1.8	2.9	3.1	4.5
Eyes symptoms past 2 weeks	Occasional	All	62270	0.7	6.0	0.8	2.3	1.09	1.9	2.0	1.9	2.4	5.3	4.3	7.2
		Port	20476	0.7	5.4	1.3	1.7	1.05	2.1	1.3	1.0	3.1	2.6	3.0	3.7
		Trad	41793	1.0	7.8	0.6	3.3	1.13	2.6	1.9	1.7	3.0	7.0	N	N
Eyes symptoms past 2 weeks	Frequent	All	30342	1.7	6.6	0.5	1.7	1.09	2.3	1.2	1.8	1.1	2.9	4.7	7.2
		Port	13734	3.6	7.0	1.1	2.1	1.15	3.1	3.8	2.3	2.4	3.9	5.8	7.9
		Trad	16609	0.0	8.8	0.0	2.4	1.10	N	N	2.2	1.4	3.2	8.0	N
Eyes symptoms at home	Same/worse	All	49361	0.9	6.1	0.6	2.1	1.09	2.5	1.8	2.0	1.8	3.9	7.3	8.0
		Port	13068	1.8	5.6	1.2	1.9	1.07	N	2.1	1.5	3.0	3.2	3.2	3.5
		Trad	36293	0.9	7.2	0.7	2.6	1.11	2.9	2.3	1.9	2.2	4.0	7.5	8.2
Eyes symptoms at home	Improves	All	34000	1.3	7.2	0.8	2.9	1.11	2.7	2.5	1.9	3.3	6.3	4.2	3.0
		Port	16471	2.7	6.3	1.6	2.1	1.12	3.0	2.7	1.4	2.6	3.3	4.4	8.0
		Trad	17529	0.0	11.9	0.0	5.2	1.18	N	N	3.1	7.1	N	N	N
Eyes symptoms at home	NA	All	129615	1.0	3.6	0.6	1.3	1.07	1.9	0.8	0.7	1.2	2.2	3.3	8.4
		Port	47001	1.5	3.8	1.5	1.7	1.09	2.9	1.1	1.3	1.7	2.5	5.2	8.4
		Trad	82614	1.2	5.0	0.1	1.4	1.08	2.0	0.9	0.7	1.8	2.9	3.1	4.5
Classroom age (yrs)	<=10yr	All	44801	1.8	4.8	1.0	1.7	1.10	3.3	1.1	1.9	2.2	3.3	3.3	5.4
		Port	32673	2.1	4.3	1.4	1.8	1.12	N	2.7	0.9	1.8	3.5	3.7	5.3
		Trad	12128	2.0	7.2	0.2	1.9	1.14	N	1.5	1.3	2.0	3.3	4.7	5.5
Classroom age (yrs)	11-20yr	All	27029	2.4	7.2	2.3	3.8	1.13	2.9	2.8	2.2	3.1	7.1	4.6	N
		Port	19747	2.2	5.9	3.1	3.3	1.13	3.0	2.7	1.9	2.7	3.3	N	N
		Trad	7282	6.6	20.5	0.0	10.0	1.36	N	N	N	N	N	N	N
Classroom age (yrs)	21-30yr	All	24429	2.7	3.3	0.9	1.9	1.16	N	1.9	1.0	1.5	1.2	5.0	10.5
		Port	5389	2.7	8.3	4.0	6.4	1.21	N	3.3	1.5	1.4	5.3	N	N
		Trad	19040	3.3	3.1	0.0	1.4	1.20	N	3.6	1.3	1.6	1.4	2.9	5.3
Classroom age (yrs)	31-40yr	All	18353	2.4	11.4	0.0	2.8	1.19	N	3.7	2.5	4.7	3.8	3.6	N
		Port	3019	0.0	12.3	0.0	5.2	1.17	N	N	2.2	2.3	N	N	N

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Trad	15334	2.8	13.0	0.0	3.2	1.23	N	4.2	3.4	4.9	4.1	N	N
Classroom age (yrs)	41+yr	All	39339	3.2	7.6	0.3	3.1	1.22	N	3.1	1.7	2.8	5.7	8.0	5.9
		Port	343	0.0	26.3	0.0	11.3	1.32	N	N	N	N	N	N	N
		Trad	38996	3.2	7.6	0.3	3.1	1.22	N	3.1	1.7	2.7	6.2	N	N
Classroom age (yrs)	0-3yr	All	18008	2.5	7.6	1.9	3.1	1.17	N	2.2	2.8	3.2	4.8	6.5	6.4
		Port	14176	1.7	6.1	2.3	2.6	1.11	4.4	2.0	1.9	2.0	6.1	4.9	6.1
		Trad	3833	6.8	0.0	0.0	1.6	1.39	N	N	N	N	N	N	N
Classroom age (yrs)	4-5yr	All	12024	1.6	6.8	2.4	2.7	1.08	N	2.7	2.8	2.4	3.2	4.2	N
		Port	10438	1.9	6.7	2.8	3.0	1.09	N	2.6	1.8	N	N	N	N
		Trad	1586	0.0	12.5	0.0	5.3	1.26	N	N	N	N	N	N	N
Classroom age (yrs)	6-10yr	All	14768	4.3	6.0	0.7	2.1	1.22	N	4.2	1.7	1.4	3.1	7.8	6.9
		Port	8059	7.3	8.4	1.2	3.5	1.44	N	N	N	N	N	6.0	N
		Trad	6709	0.0	4.0	0.4	1.2	1.07	N	N	1.9	1.6	1.7	N	N
Classroom age (yrs)	11-15yr	All	21006	2.9	9.1	3.0	4.7	1.17	N	3.2	3.0	5.1	7.4	N	N
		Port	14911	2.8	8.0	4.1	4.1	1.16	N	2.7	2.5	3.0	3.6	11.7	N
		Trad	6095	8.0	24.7	0.0	11.3	1.43	N	N	N	N	N	N	N
Classroom age (yrs)	16+yr	All	88144	1.8	5.0	0.3	1.8	1.12	N	1.3	1.3	1.0	3.6	6.1	6.1
		Port	13588	1.4	6.7	1.6	3.1	1.11	N	1.7	1.4	1.2	6.4	6.5	N
		Trad	74557	2.0	5.5	0.2	1.9	1.13	N	1.4	1.4	1.2	3.9	N	N
Classroom age (known/unknown)	Known	All	153951	1.2	3.7	0.5	1.5	1.08	2.3	0.8	1.1	1.1	2.5	4.5	9.3
		Port	61172	1.4	3.3	1.3	1.7	1.08	2.2	1.3	0.9	1.8	2.8	3.8	8.5
		Trad	92780	1.7	5.0	0.1	1.9	1.11	N	1.0	1.1	1.1	3.8	6.0	6.3
Classroom age (known/unknown)	Unknown	All	76204	1.1	4.5	0.7	1.5	1.08	1.9	1.1	1.3	1.9	2.4	3.1	5.9
		Port	24244	1.5	5.0	2.1	2.0	1.09	3.2	1.6	1.5	2.1	2.8	4.2	7.5
		Trad	51960	1.5	5.2	0.0	1.6	1.11	2.4	1.1	1.4	2.6	2.3	4.3	4.7
Major renovations/additions	Yes	All	85572	1.9	5.0	0.2	1.6	1.13	N	1.0	1.5	1.3	3.0	3.9	5.2
		Port	20170	2.4	5.4	0.5	1.9	1.13	3.1	1.9	1.8	1.5	3.2	3.8	4.5
		Trad	65402	2.4	6.0	0.2	1.9	1.15	N	1.2	1.2	1.6	3.6	4.9	N

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
Major renovations/additions	No	All	133876	0.9	3.6	0.7	1.5	1.06	1.4	1.1	1.1	1.1	2.9	4.1	8.8
		Port	60699	1.3	3.5	1.5	1.6	1.07	2.5	0.9	0.9	1.7	2.7	4.2	8.5
		Trad	73177	1.0	5.0	0.0	2.1	1.08	1.4	1.1	1.0	1.6	3.3	6.7	N
Addition/wall/floor renovations	Yes	All	32354	4.5	7.3	0.3	3.0	1.29	N	N	1.7	2.2	5.6	7.8	6.6
		Port	6191	0.7	7.1	1.5	3.3	1.10	3.8	2.5	1.1	2.9	6.6	7.1	N
		Trad	26163	5.4	8.5	0.0	3.6	1.36	N	N	N	N	N	N	N
Addition/wall/floor renovations	No	All	187094	0.8	3.2	0.5	1.2	1.06	1.5	0.8	1.1	1.0	1.9	3.8	9.1
		Port	74678	1.2	3.0	1.2	1.4	1.07	2.3	1.1	0.9	1.4	2.2	3.4	8.2
		Trad	112416	0.8	4.4	0.1	1.5	1.07	1.8	0.9	0.7	1.3	2.9	4.8	5.6
HVAC or lighting renovations	Yes	All	67109	2.4	6.0	0.2	1.9	1.16	N	3.2	1.3	2.1	3.3	4.5	4.8
		Port	13864	3.3	6.8	0.0	2.1	1.18	N	4.4	2.1	1.7	4.0	4.7	N
		Trad	53244	3.0	7.0	0.2	2.2	1.19	N	N	1.4	2.5	3.8	N	N
HVAC or lighting renovations	No	All	152339	0.8	3.4	0.6	1.4	1.06	1.6	1.0	1.1	0.9	2.6	4.2	7.6
		Port	67005	1.2	3.2	1.3	1.5	1.07	2.0	1.0	0.9	1.6	2.5	4.0	8.3
		Trad	85335	0.8	4.5	0.0	1.8	1.07	1.7	1.1	0.7	1.5	3.1	N	N
Roof renovations	Yes	All	42388	1.0	7.4	0.3	2.3	1.10	2.5	1.1	1.5	1.4	4.0	N	N
		Port	7744	1.3	8.7	0.0	2.1	1.09	3.9	2.9	2.2	3.3	4.5	3.3	N
		Trad	34644	1.3	8.6	0.3	2.7	1.12	2.6	1.2	1.7	1.9	3.9	8.2	8.3
Roof renovations	No	All	177059	1.2	3.2	0.5	1.4	1.08	2.2	0.9	1.0	1.1	2.5	3.7	5.8
		Port	73124	1.2	3.2	1.2	1.5	1.07	2.4	1.1	0.9	1.5	2.3	3.8	7.8
		Trad	103935	1.6	4.3	0.0	1.6	1.10	N	1.0	0.7	1.5	3.2	4.8	N
Classroom size (sq. ft.)	<600	All	20541	1.4	7.1	0.6	2.2	1.11	3.5	1.4	1.3	2.1	5.4	6.1	6.4
		Port	5160	5.0	7.5	2.5	3.9	1.35	N	N	N	4.0	5.1	7.4	N
		Trad	15381	0.0	7.3	0.0	2.3	1.09	N	1.7	1.5	1.1	5.7	7.1	N
Classroom size (sq. ft.)	600-1100	All	135029	0.8	3.8	0.5	1.6	1.07	1.5	0.8	1.4	1.2	2.7	4.4	8.2
		Port	60372	1.3	3.4	1.1	1.5	1.07	2.0	1.4	0.9	1.5	2.6	3.0	6.3
		Trad	74657	0.5	5.4	0.2	2.2	1.08	1.7	0.8	1.6	1.5	N	N	N
Classroom size (sq. ft.)	>1100	All	74585	2.3	4.9	0.9	1.7	1.14	N	2.9	1.1	2.5	3.1	3.7	6.4

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Port	19883	1.6	4.8	3.0	2.8	1.12	N	2.3	1.8	2.1	5.4	6.7	7.2
		Trad	54702	3.1	6.0	0.0	1.7	1.19	N	N	N	N	N	3.4	3.5
Outdoor damper min setting	<=10%	All	13182	0.0	9.3	0.4	1.5	1.06	N	1.9	1.5	1.3	4.0	2.8	3.5
		Port	6504	0.0	8.8	0.8	1.5	1.06	N	N	1.3	3.0	2.6	2.4	5.3
		Trad	6677	0.0	13.6	0.0	2.2	1.09	N	N	2.0	2.6	N	N	N
Outdoor damper min setting	11-20%	All	43599	2.1	6.0	1.0	2.4	1.14	N	1.1	1.7	1.3	3.4	7.2	6.9
		Port	14728	1.4	6.5	3.0	3.5	1.08	1.3	1.9	1.5	2.1	2.9	N	N
		Trad	28872	2.9	7.8	0.0	3.0	1.20	N	N	N	N	N	N	N
Outdoor damper min setting	21-40%	All	8033	0.0	8.2	0.0	4.2	1.27	N	N	N	N	N	5.7	5.6
		Port	2086	0.0	13.4	0.0	3.0	1.12	N	N	N	3.0	3.8	N	N
		Trad	5947	0.0	8.0	0.0	5.4	1.37	N	N	N	N	N	N	N
Outdoor damper min setting	>40%	All	4833	2.4	14.7	7.4	7.9	1.42	N	N	6.4	10.4	9.1	N	N
		Port	2106	6.6	8.1	13.6	6.4	1.38	N	N	N	9.7	N	N	N
		Trad	2727	0.0	24.0	0.0	9.0	1.52	N	N	N	N	N	N	N
Outdoor damper min setting	Unknown	All	126550	1.5	3.9	0.5	1.5	1.09	N	1.1	1.1	1.3	2.7	4.2	8.8
		Port	48665	1.8	3.7	1.3	1.7	1.10	2.8	1.9	1.3	1.8	2.4	4.4	6.7
		Trad	77885	2.0	4.9	0.2	1.9	1.12	N	1.4	0.8	1.6	3.2	6.2	N
New pressed wood last yr	Yes	All	61685	1.1	6.0	1.1	2.3	1.10	2.2	0.9	1.5	2.9	5.8	3.3	2.5
		Port	24777	1.2	4.9	2.7	2.1	1.07	1.9	1.8	1.7	2.3	3.7	6.1	6.0
		Trad	36907	1.7	8.1	0.0	3.5	1.15	N	1.3	1.4	3.1	8.9	N	N
New pressed wood last yr	No	All	122979	1.5	3.6	0.5	1.6	1.09	N	0.9	1.0	1.1	2.8	3.7	9.3
		Port	42260	1.9	3.9	1.3	2.1	1.10	3.2	2.0	1.2	1.3	2.7	4.9	10.5
		Trad	80719	1.9	4.2	0.1	1.5	1.12	N	1.0	0.9	1.6	2.2	4.5	N
New pressed wood last yr	DK	All	25704	2.5	9.8	0.8	2.5	1.14	3.7	2.2	1.7	4.5	3.4	4.5	8.3
		Port	10719	1.7	7.5	2.0	2.9	1.13	N	1.8	1.0	3.0	4.7	8.3	N
		Trad	14984	3.6	14.9	0.2	3.2	1.18	3.7	3.3	3.0	5.6	4.4	5.3	N
New carpet past yr	Yes	All	29489	0.3	6.3	2.3	2.8	1.08	1.8	1.7	1.2	2.6	7.1	5.8	8.3
		Port	14656	0.7	6.1	4.3	3.1	1.08	2.8	1.3	1.4	3.4	6.2	8.7	8.4

Variable Description	Category	Room Type	Est. No. Classrms	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Std. Error	P05	P10	P25	P50	P75	P90	P95
		Trad	14833	0.0	10.8	0.0	4.9	1.16	N	N	1.8	2.8	N	N	N
New carpet past yr	No	All	189959	1.1	3.3	0.4	1.3	1.07	2.0	0.8	0.9	0.9	2.3	3.7	7.9
		Port	66213	1.4	3.4	1.0	1.5	1.07	2.5	1.2	1.0	1.4	2.5	2.9	7.1
		Trad	123746	1.4	4.1	0.1	1.4	1.09	N	0.9	0.7	1.3	2.7	4.7	5.3
New flooring past yr	Yes	All	46531	0.3	5.7	1.4	2.3	1.08	1.8	1.1	1.8	2.2	4.4	5.3	6.3
		Port	18350	0.7	5.2	3.4	2.5	1.07	3.0	1.3	1.2	2.6	5.2	7.1	7.3
		Trad	28181	0.0	8.6	0.0	3.1	1.11	N	N	N	N	6.7	N	N
New flooring past yr	No	All	130552	1.3	3.8	0.5	1.5	1.09	2.5	1.1	1.3	1.0	2.7	3.3	8.7
		Port	45538	1.1	4.0	1.3	1.9	1.07	2.4	0.8	1.0	2.0	2.7	3.3	9.3
		Trad	85013	1.8	4.8	0.1	1.5	1.12	N	1.1	1.2	1.2	3.1	3.6	N
New flooring past yr	DK	All	42365	3.0	7.3	0.3	3.2	1.18	N	3.0	1.3	2.6	7.3	7.5	5.6
		Port	16981	4.2	6.4	0.8	2.4	1.22	N	3.2	2.0	2.6	3.8	4.6	3.6
		Trad	25384	3.6	9.9	0.0	4.7	1.23	N	2.9	1.4	2.9	N	N	N

Approximate 95% Confidence Limits

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
All classrooms	All	All	Lower	95.3	31.3	0.9	24.9	18.5	3.5	9.1	13.5	20.7	31.0	44.7	54.5
		All	Upper	98.7	42.5	2.6	29.0	23.1	9.8	12.3	16.8	24.3	37.8	57.3	86.3
		Port	Lower	94.7	45.1	2.1	30.0	22.4	4.6	10.7	17.8	24.9	37.9	51.5	62.5
		Port	Upper	98.5	55.6	6.0	34.8	27.8	11.5	14.8	21.0	30.6	45.0	63.2	91.5
		Trad	Lower	94.9	21.8	0.0	21.3	16.0	2.0	8.9	12.3	18.3	25.9	36.1	43.8
		Trad	Upper	99.5	36.2	0.9	26.2	21.3	10.3	11.9	15.3	21.7	33.5	53.6	72.7
School location	Urban	All	Lower	95.7	24.8	0.0	22.4	17.4	7.1	7.8	13.7	20.1	27.0	37.3	43.6
		All	Upper	100.0	49.5	0.9	29.3	25.5	13.0	14.2	19.7	26.6	39.7	53.0	62.5
		Port	Lower	96.6	38.5	0.0	26.5	20.9	3.1	9.7	14.6	22.3	34.2	44.6	50.4
		Port	Upper	100.0	65.1	2.8	36.0	30.8	13.4	14.9	22.6	34.0	50.2	68.8	74.0
		Trad	Lower	94.3	15.1	N	19.8	15.0	N	3.6	12.7	17.2	22.9	29.6	32.5
		Trad	Upper	100.0	45.4	N	26.8	24.8	13.6	15.1	20.0	24.6	35.7	48.8	N
School location	Suburb	All	Lower	94.3	31.1	1.1	25.0	17.9	2.4	9.0	13.2	20.5	31.2	45.8	54.6
		All	Upper	98.7	44.4	3.4	30.2	23.7	10.3	12.5	17.3	25.2	38.7	61.1	84.3
		Port	Lower	93.8	44.8	2.4	30.0	21.8	2.9	10.4	18.1	24.9	37.2	51.7	62.4
		Port	Upper	98.6	56.8	7.4	35.8	28.4	12.3	15.7	21.3	31.1	45.8	64.8	90.5
		Trad	Lower	93.8	20.9	0.0	21.1	15.3	0.4	8.8	11.7	17.0	25.9	37.2	45.4
		Trad	Upper	99.7	38.5	1.3	27.5	22.1	10.7	12.0	14.9	23.1	37.1	59.7	72.4
School location	Rural	All	Lower	97.1	12.8	0.0	19.0	16.4	6.4	7.6	10.8	16.3	22.2	28.5	33.7
		All	Upper	100.0	41.6	1.0	27.0	24.0	12.7	14.9	19.4	24.2	35.5	48.4	57.9
		Port	Lower	92.1	23.6	0.0	23.6	20.2	6.9	10.1	12.7	21.0	26.7	37.7	46.9
		Port	Upper	100.0	60.8	2.7	35.4	30.7	14.1	16.3	21.0	35.1	47.6	58.2	65.5
		Trad	Lower	N	1.5	N	15.3	13.9	N	7.1	9.0	10.6	18.9	20.0	23.3
		Trad	Upper	N	34.2	N	22.6	21.3	11.9	14.6	19.2	22.3	28.0	33.2	37.1

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Geographic region	North	All	Lower	92.4	19.3	0.1	21.2	14.9	0.5	7.6	12.7	17.7	24.5	36.7	47.8
		All	Upper	98.7	32.4	2.5	25.8	20.5	10.1	12.4	15.2	21.2	32.8	49.9	75.4
		Port	Lower	92.0	36.5	0.5	26.8	18.2	N	8.7	15.2	22.1	34.5	48.8	55.2
		Port	Upper	99.3	52.8	4.2	33.0	26.9	12.6	14.4	19.4	28.7	46.5	60.2	81.3
		Trad	Lower	91.6	7.7	0.0	17.4	12.5	N	6.5	11.6	14.8	20.1	25.4	31.7
		Trad	Upper	99.3	21.4	1.6	21.9	18.4	10.2	11.9	14.4	20.0	26.3	39.0	56.7
Geographic region	South	All	Lower	95.8	35.9	0.9	26.0	19.6	3.4	8.8	13.9	22.1	32.8	46.1	54.3
		All	Upper	99.9	51.3	3.2	32.0	26.5	11.4	13.7	19.4	27.8	41.2	63.1	82.7
		Port	Lower	95.1	47.1	2.2	30.6	23.7	5.2	11.4	19.0	25.6	37.7	49.7	61.9
		Port	Upper	99.3	60.7	8.0	37.3	30.4	12.9	16.5	22.3	32.9	46.1	69.0	93.5
		Trad	Lower	95.4	27.3	0.0	22.5	17.0	1.0	8.5	11.7	19.3	28.3	37.8	47.2
		Trad	Upper	100.0	47.9	0.9	29.8	25.3	11.3	13.6	18.1	26.7	38.1	61.1	N
School type	Elem	All	Lower	94.7	35.7	0.7	26.1	19.4	N	9.9	14.3	22.4	32.2	47.5	54.6
		All	Upper	98.9	47.8	3.2	30.3	24.5	10.2	12.6	17.9	26.4	40.4	54.8	75.2
		Port	Lower	94.3	47.7	1.2	30.4	22.4	3.1	10.8	17.9	26.0	39.0	52.2	60.8
		Port	Upper	99.3	60.7	5.9	35.9	29.6	12.1	15.3	22.4	33.0	47.6	64.0	86.9
		Trad	Lower	94.1	24.6	0.0	22.1	16.7	2.9	9.1	12.7	18.6	27.3	37.2	47.3
		Trad	Upper	99.5	40.5	1.7	27.0	22.4	10.4	12.0	16.4	24.3	34.4	52.8	56.7
School type	Middle	All	Lower	97.1	18.2	0.0	21.7	18.1	2.8	7.3	12.7	19.2	24.8	36.9	44.3
		All	Upper	100.0	44.7	2.0	30.1	25.2	12.6	14.8	19.5	25.8	41.4	58.6	62.8
		Port	Lower	91.3	34.8	0.0	26.0	17.9	N	9.2	16.7	21.8	33.1	44.8	47.4
		Port	Upper	100.0	61.0	6.0	35.7	30.4	13.5	17.2	21.9	34.0	47.1	58.2	N
		Trad	Lower	N	8.5	N	18.6	17.0	N	7.0	12.1	17.4	22.0	25.7	30.4
		Trad	Upper	N	38.0	N	28.3	24.6	13.4	14.6	19.7	24.5	34.7	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
School type	High	All	Lower	91.5	18.9	0.3	19.9	13.3	N	7.2	11.6	15.0	23.0	34.4	39.1
		All	Upper	100.0	45.1	3.9	31.0	24.7	11.9	13.3	18.1	24.4	39.5	64.4	95.0
		Port	Lower	92.8	31.0	0.7	25.1	19.4	4.3	9.1	15.1	21.4	30.8	39.3	51.2
		Port	Upper	100.0	53.7	11.8	38.4	30.3	15.0	17.1	20.5	29.5	45.5	89.4	N
		Trad	Lower	89.8	10.8	0.0	16.6	10.9	N	N	10.9	13.6	20.0	27.1	34.9
		Trad	Upper	100.0	44.4	0.9	28.9	23.6	11.4	12.8	14.8	23.8	37.3	61.9	64.6
Month of formaldehyde sample	April	All	Lower	92.2	8.7	N	16.6	12.7	2.3	8.3	11.3	14.0	20.3	26.3	30.8
		All	Upper	99.1	19.2	N	20.3	17.7	9.7	11.7	13.9	19.8	25.2	33.2	43.7
		Port	Lower	89.0	22.4	N	20.5	14.0	0.5	3.8	12.4	19.4	26.0	33.0	36.0
		Port	Upper	99.6	39.2	N	25.4	22.8	11.3	13.2	18.6	23.8	32.9	43.9	52.9
		Trad	Lower	92.6	0.0	N	14.1	11.3	2.1	6.6	9.7	13.0	16.1	20.0	22.2
		Trad	Upper	100.0	11.3	N	18.0	16.5	10.8	11.5	13.6	18.5	22.3	26.7	N
Month of formaldehyde sample	May	All	Lower	93.9	32.5	0.9	25.9	18.1	N	8.8	15.0	21.7	32.4	46.7	53.0
		All	Upper	99.5	48.2	3.4	31.3	25.7	11.8	14.0	19.8	26.5	41.2	61.2	63.6
		Port	Lower	94.6	46.6	2.1	31.7	23.6	N	12.3	19.4	25.4	40.1	53.0	64.9
		Port	Upper	99.1	61.3	8.3	37.8	31.0	14.1	16.9	22.3	34.2	49.8	72.0	88.8
		Trad	Lower	92.6	21.8	0.0	21.3	14.6	N	7.5	12.9	19.8	26.2	36.3	42.6
		Trad	Upper	100.0	42.0	0.6	28.3	24.0	11.6	13.5	18.5	24.4	37.2	55.0	59.6
Month of formaldehyde sample	June/July	All	Lower	99.0	51.7	0.8	30.4	26.0	6.8	11.2	17.0	27.7	37.6	48.1	56.1
		All	Upper	100.0	74.4	6.4	41.1	34.5	13.9	17.5	27.0	37.5	56.3	65.4	93.0
		Port	Lower	97.6	57.4	1.4	32.8	27.0	4.4	11.7	19.8	30.7	41.2	51.3	59.6
		Port	Upper	100.0	77.4	11.8	45.7	37.6	16.2	20.4	28.5	40.6	57.8	88.5	N
		Trad	Lower	N	43.9	0.0	27.5	24.1	8.2	10.2	15.6	26.3	32.5	38.6	49.8
		Trad	Upper	N	76.6	4.0	39.5	34.3	15.6	17.7	27.9	34.9	58.1	65.4	65.4

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Time of formaldehyde sample	Early_April	All	Lower	93.1	0.0	N	11.2	9.9	N	6.4	9.0	11.5	11.6	13.5	16.1
		All	Upper	100.0	7.2	N	16.9	15.6	9.3	10.8	12.2	16.5	22.9	26.2	30.6
		Port	Lower	77.3	0.0	N	12.0	7.8	N	N	N	N	N	19.3	21.7
		Port	Upper	100.0	18.9	N	19.8	20.2	N	N	16.3	17.4	24.3	31.1	N
		Trad	Lower	N	0.0	N	10.8	10.6	N	N	7.4	11.5	11.5	11.6	11.8
		Trad	Upper	N	1.5	N	15.4	14.4	N	N	11.6	12.9	16.8	25.9	26.3
Time of formaldehyde sample	Late_April	All	Lower	91.2	10.4	N	17.6	13.0	0.9	8.3	11.6	15.0	20.9	27.3	32.6
		All	Upper	99.6	22.8	N	21.5	19.1	11.3	12.9	15.0	20.2	26.5	36.4	45.1
		Port	Lower	89.6	27.0	N	22.2	15.0	N	3.7	14.4	21.1	27.4	33.2	40.4
		Port	Upper	100.0	45.6	N	27.4	25.6	13.2	15.3	20.0	26.0	33.2	45.8	N
		Trad	Lower	90.6	0.0	N	14.5	11.2	0.4	6.7	8.8	13.6	18.4	20.0	21.6
		Trad	Upper	100.0	14.0	N	19.1	17.6	11.4	12.9	14.2	19.9	23.7	26.6	N
Time of formaldehyde sample	Early_May	All	Lower	95.7	34.9	0.3	26.4	20.7	3.4	10.7	14.9	21.8	31.8	44.4	52.1
		All	Upper	100.0	59.9	4.1	34.9	29.8	13.7	15.9	21.4	31.0	49.0	62.9	69.1
		Port	Lower	94.7	44.1	0.5	30.2	24.5	5.7	13.1	18.1	23.7	37.2	51.1	58.2
		Port	Upper	100.0	66.1	9.6	39.1	33.5	14.6	18.2	23.0	35.5	51.3	75.1	91.5
		Trad	Lower	95.0	26.1	0.0	22.2	17.5	0.2	10.6	13.0	19.6	27.4	35.5	40.8
		Trad	Upper	100.0	59.3	1.3	34.2	29.6	13.6	16.3	21.0	31.0	50.8	61.3	62.6
Time of formaldehyde sample	Late_May	All	Lower	90.9	25.2	0.4	23.6	14.6	N	6.4	14.0	20.6	27.9	44.0	48.9
		All	Upper	100.0	43.7	3.7	30.2	25.3	12.3	14.6	19.6	25.3	41.8	52.2	71.0
		Port	Lower	92.9	43.2	1.1	30.7	20.9	N	7.8	18.4	24.3	40.4	51.1	59.8
		Port	Upper	99.6	62.9	9.5	38.9	31.9	15.2	17.9	22.8	35.5	51.0	73.7	88.0
		Trad	Lower	88.3	12.4	N	18.7	10.9	N	N	11.1	16.5	22.6	29.7	37.2
		Trad	Upper	100.0	33.2	N	25.2	23.3	11.8	13.7	18.1	22.7	32.8	48.2	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Time of formaldehyde sample	June/July	All	Lower	99.0	52.2	0.8	30.6	26.2	7.0	11.7	17.5	27.9	37.8	47.9	56.2
		All	Upper	100.0	75.0	6.4	41.3	34.8	14.8	18.2	27.2	37.7	56.6	65.4	93.9
		Port	Lower	97.5	57.4	1.5	32.8	27.1	4.8	12.1	19.9	30.6	41.3	50.9	59.2
		Port	Upper	100.0	77.6	11.9	45.8	37.8	17.1	20.6	28.7	40.7	57.6	88.9	N
		Trad	Lower	N	44.6	0.0	27.8	24.4	8.2	10.2	16.1	25.3	32.7	38.8	50.2
		Trad	Upper	N	77.5	4.0	39.8	34.7	16.3	18.3	27.6	35.2	58.3	65.4	65.4
<25% non-weekday in samp period	Yes	All	Lower	95.1	26.7	0.1	22.7	17.4	3.9	8.7	13.2	19.6	28.4	38.5	46.8
		All	Upper	99.1	41.6	2.0	27.2	22.6	10.7	13.2	17.2	23.5	35.0	50.6	70.0
		Port	Lower	92.7	40.2	0.4	27.4	20.1	2.8	9.5	16.3	23.6	34.0	45.5	53.7
		Port	Upper	99.0	54.0	5.6	32.7	27.3	12.9	15.0	20.9	29.2	41.7	59.0	75.2
		Trad	Lower	95.6	17.1	N	19.4	15.4	2.9	8.6	12.1	16.7	23.1	31.7	36.8
		Trad	Upper	100.0	36.7	N	24.9	21.2	11.0	13.0	15.7	21.6	32.9	42.6	N
<25% non-weekday in samp period	No	All	Lower	93.9	32.1	1.2	25.9	18.0	N	8.7	13.1	21.1	32.2	48.3	54.3
		All	Upper	99.8	48.9	4.2	33.2	26.3	10.8	12.5	18.8	26.8	46.8	63.6	94.3
		Port	Lower	95.6	46.0	2.3	31.1	23.2	3.4	10.7	18.2	25.2	40.1	52.1	61.6
		Port	Upper	99.4	62.1	8.2	39.2	31.1	12.4	16.6	21.7	34.5	49.9	71.7	107.2
		Trad	Lower	92.0	21.2	0.0	21.6	14.6	N	7.3	12.1	17.8	26.1	38.0	47.7
		Trad	Upper	100.0	42.6	2.2	30.3	24.8	11.0	12.3	16.8	25.6	45.6	62.1	76.8
General instruction classroom	Yes	All	Lower	94.1	29.6	0.7	24.2	17.4	2.3	8.8	13.7	20.3	30.0	43.4	52.3
		All	Upper	98.5	41.1	2.5	28.1	22.4	9.7	12.4	16.7	23.4	37.2	53.0	78.7
		Port	Lower	94.0	42.6	1.7	29.3	21.7	3.8	10.6	17.9	24.3	37.1	50.1	60.3
		Port	Upper	98.5	54.2	5.4	34.0	27.6	11.8	15.4	21.0	29.3	44.3	60.8	80.4
		Trad	Lower	93.3	18.9	0.0	20.0	14.3	N	8.0	12.3	16.9	24.3	34.6	40.3
		Trad	Upper	99.3	34.3	0.7	24.8	20.4	9.6	11.9	15.2	21.3	33.0	48.5	57.2

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
General instruction classroom	No	All	Lower	99.6	20.0	0.0	20.8	18.0	6.1	10.2	11.4	14.8	25.7	33.6	41.9
		All	Upper	100.0	55.6	3.3	36.1	29.4	12.2	14.2	20.8	30.5	61.9	64.4	65.3
		Port	Lower	98.2	38.3	0.0	27.5	23.9	11.1	11.6	13.9	23.1	34.2	50.3	58.4
		Port	Upper	100.0	71.6	14.2	47.3	36.8	15.6	18.3	24.4	38.2	60.5	N	N
		Trad	Lower	N	11.1	0.0	17.5	16.0	N	10.0	10.8	11.9	21.0	28.7	30.0
		Trad	Upper	N	54.3	0.3	34.1	28.6	11.9	13.3	20.0	29.4	46.5	64.1	64.8
Carpeted classroom	Full	All	Lower	92.9	30.6	0.8	24.5	16.8	N	9.7	14.1	20.8	29.8	42.3	51.2
		All	Upper	98.9	44.4	3.3	28.8	23.8	10.8	13.0	18.6	24.9	38.4	51.6	71.4
		Port	Lower	93.9	40.4	1.5	28.4	21.2	3.8	10.6	17.4	23.7	35.2	47.8	56.7
		Port	Upper	98.5	53.2	6.0	33.5	27.2	12.3	14.8	21.2	28.3	42.9	58.2	78.9
		Trad	Lower	90.1	14.7	0.0	18.6	11.7	N	2.3	11.5	16.6	21.2	28.8	35.2
		Trad	Upper	100.0	38.7	0.3	24.6	22.1	11.0	12.7	16.9	21.3	35.6	43.1	51.7
Carpeted classroom	Partial	All	Lower	91.1	27.4	0.2	23.6	15.9	0.5	8.1	12.9	19.2	29.0	43.5	51.4
		All	Upper	99.4	44.5	2.3	29.1	23.6	10.1	12.7	17.4	26.1	39.0	54.3	72.7
		Port	Lower	89.0	42.9	0.3	28.7	17.7	N	1.6	16.7	22.9	N	N	N
		Port	Upper	100.0	65.7	5.3	38.2	33.1	15.1	18.0	22.1	N	N	N	N
		Trad	Lower	90.8	17.6	0.0	20.1	14.1	0.1	6.9	11.9	16.9	25.4	32.2	39.3
		Trad	Upper	99.6	37.6	1.6	26.1	21.8	10.1	12.1	15.8	24.5	33.5	50.5	N
Carpeted classroom	None	All	Lower	N	19.8	0.0	20.8	17.7	7.3	7.9	11.7	14.8	24.9	37.0	43.5
		All	Upper	N	48.2	2.3	33.3	26.9	12.3	13.2	16.9	27.5	50.4	65.0	69.3
		Port	Lower	N	32.6	0.0	25.0	23.1	N	N	N	N	32.6	42.5	46.3
		Port	Upper	N	77.2	15.9	53.0	42.0	N	N	29.6	43.8	61.4	N	N
		Trad	Lower	N	15.9	0.0	19.4	16.7	6.6	7.5	11.5	14.2	23.4	34.6	39.4
		Trad	Upper	N	46.4	0.7	31.4	25.9	12.1	13.1	15.6	25.3	46.1	64.7	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Vinyl/linoleum floor	Yes	All	Lower	95.5	24.6	0.2	22.9	17.5	4.3	8.0	12.4	17.6	27.9	44.2	53.2
		All	Upper	99.8	41.9	2.1	30.4	23.7	10.3	12.5	15.3	24.2	42.5	63.6	82.3
		Port	Lower	92.3	44.1	0.4	29.9	20.6	1.0	7.9	17.2	24.8	38.5	54.6	60.6
		Port	Upper	100.0	64.8	7.0	40.8	33.4	14.5	17.1	22.5	35.9	56.6	71.9	102.4
		Trad	Lower	96.1	16.8	0.0	19.9	16.0	4.1	7.8	11.6	14.7	24.7	34.3	45.5
		Trad	Upper	99.9	36.5	1.0	27.9	22.1	10.3	12.0	14.6	23.0	35.9	62.6	N
Vinyl/linoleum floor	No	All	Lower	93.2	31.8	0.8	24.6	17.1	N	10.0	14.3	20.9	30.6	42.0	49.3
		All	Upper	98.9	45.8	3.1	28.8	23.9	10.8	13.0	18.8	25.5	38.1	49.7	67.3
		Port	Lower	93.9	40.3	1.5	28.3	21.1	3.7	10.7	17.4	23.7	35.1	47.7	56.2
		Port	Upper	98.5	53.1	6.1	33.3	27.1	12.3	14.8	21.2	28.4	42.2	58.4	78.4
		Trad	Lower	91.1	19.4	0.0	19.9	12.9	N	8.7	12.0	18.3	23.6	34.1	36.4
		Trad	Upper	100.0	43.0	0.2	25.5	22.8	11.0	12.6	18.0	22.9	36.3	42.8	49.8
Vinyl tackable wallboard	Yes	All	Lower	93.9	36.3	1.0	27.4	19.5	2.8	8.6	14.8	22.8	34.2	49.3	57.8
		All	Upper	98.4	51.6	3.8	33.5	26.2	10.9	13.6	20.3	28.6	45.6	62.9	74.5
		Port	Lower	93.0	43.7	1.6	29.5	21.1	2.5	9.7	17.4	24.5	37.0	50.5	61.8
		Port	Upper	98.2	55.8	5.6	34.9	27.6	11.7	14.5	21.3	30.8	45.7	63.4	93.7
		Trad	Lower	93.3	19.4	0.0	21.8	15.5	N	7.1	12.3	19.9	26.2	36.4	45.7
		Trad	Upper	100.0	50.6	1.6	33.8	27.2	12.1	13.7	20.6	27.5	52.9	63.9	64.7
Vinyl tackable wallboard	No	All	Lower	94.7	21.0	0.0	20.6	15.5	1.3	9.0	12.2	16.8	25.2	36.5	42.2
		All	Upper	100.0	36.0	1.7	25.4	21.3	10.6	12.1	15.3	21.3	32.7	47.8	70.4
		Port	Lower	96.3	36.8	0.0	28.2	22.1	3.4	13.0	16.7	22.1	33.8	46.4	55.3
		Port	Upper	100.0	59.0	10.1	36.9	31.8	15.0	16.7	21.3	32.7	47.5	65.0	84.8
		Trad	Lower	94.1	16.7	0.0	18.9	14.2	0.1	8.6	11.5	15.6	22.7	31.1	38.0
		Trad	Upper	100.0	33.5	0.4	23.8	20.3	10.6	11.7	14.6	20.1	30.8	43.2	53.9

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Open windows	Never	All	Lower	93.1	19.4	0.0	21.3	15.8	0.8	10.0	12.8	18.2	25.4	35.8	41.7
		All	Upper	99.8	42.6	1.8	29.5	23.9	11.9	13.4	18.0	25.2	39.1	70.1	87.9
		Port	Lower	92.2	37.3	0.0	26.3	18.4	N	6.7	16.5	22.9	33.5	41.1	46.3
		Port	Upper	100.0	61.5	8.2	37.2	32.8	18.2	18.7	23.2	33.5	47.7	61.6	N
		Trad	Lower	92.4	13.4	0.0	19.2	14.5	N	9.9	12.4	16.8	23.1	31.1	37.9
		Trad	Upper	100.0	41.0	0.7	28.9	23.6	11.4	13.4	17.4	25.2	39.7	N	N
Open windows	Infrequent	All	Lower	92.3	33.4	0.7	24.9	16.9	N	7.3	13.4	21.3	32.1	45.4	51.3
		All	Upper	99.0	49.6	3.5	31.9	25.2	9.8	12.9	18.7	27.3	42.4	64.3	92.1
		Port	Lower	91.8	43.4	1.6	29.2	20.7	2.1	8.0	16.6	24.4	37.4	50.9	58.9
		Port	Upper	98.3	57.9	6.5	36.3	28.9	12.7	14.8	21.6	31.6	46.8	62.1	100.2
		Trad	Lower	91.1	21.3	0.0	20.1	13.0	N	4.6	8.8	16.5	25.2	35.1	42.3
		Trad	Upper	100.0	45.6	1.1	29.1	24.2	10.4	12.1	17.1	24.9	40.3	61.7	N
Open windows	Frequent	All	Lower	97.9	23.9	0.0	22.1	18.0	3.1	8.3	12.1	18.0	26.2	37.1	46.5
		All	Upper	100.0	43.3	3.2	28.2	23.6	11.9	13.0	17.6	24.2	35.8	53.2	70.6
		Port	Lower	96.7	36.3	0.0	27.8	21.9	3.9	11.5	16.7	22.3	34.7	46.0	57.9
		Port	Upper	100.0	54.8	7.1	35.0	29.5	13.1	16.6	21.2	30.1	44.2	66.1	83.9
		Trad	Lower	98.0	10.4	0.0	16.9	14.7	6.8	7.5	10.8	13.2	19.9	27.3	30.5
		Trad	Upper	100.0	39.4	0.4	24.3	21.2	11.6	12.7	16.4	20.7	34.4	42.2	52.3
Open door to outside	Infreq	All	Lower	94.8	31.2	0.8	24.7	18.4	3.7	8.6	12.8	21.2	30.4	42.2	51.7
		All	Upper	98.7	46.5	3.7	29.9	23.7	9.8	12.4	18.2	26.2	38.4	54.7	77.7
		Port	Lower	93.9	40.6	1.7	29.3	22.9	4.2	11.7	17.7	24.0	35.2	49.3	60.6
		Port	Upper	99.0	54.1	8.2	36.6	29.2	12.8	16.1	22.1	29.6	45.4	67.8	96.6
		Trad	Lower	94.1	21.1	0.0	20.0	14.7	1.4	8.1	10.1	16.6	26.2	34.8	40.1
		Trad	Upper	99.8	43.9	0.6	26.1	21.6	9.8	11.7	16.1	26.0	37.8	48.7	51.0

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Open door to outside	Freq	All	Lower	95.9	30.9	0.4	25.0	20.0	5.3	11.0	14.6	20.4	30.9	42.7	51.0
		All	Upper	99.6	48.5	2.2	30.8	25.4	12.4	14.4	19.1	26.2	39.5	65.0	77.8
		Port	Lower	92.2	43.2	0.7	28.2	18.8	N	9.6	16.5	23.4	35.9	47.4	56.0
		Port	Upper	99.5	59.3	4.3	34.1	28.0	12.1	15.4	20.6	31.6	45.9	59.9	79.6
		Trad	Lower	97.4	18.2	0.0	21.2	19.3	7.8	10.7	14.0	18.2	24.2	33.1	37.4
		Trad	Upper	100.0	44.5	1.3	29.9	25.6	13.4	14.5	18.7	24.5	37.5	62.6	N
Open door to outside	NA	All	Lower	84.2	0.4	0.0	12.5	7.4	N	N	7.5	11.5	15.6	19.7	23.7
		All	Upper	100.0	32.7	0.5	28.1	22.3	11.5	12.6	13.9	19.6	43.3	58.8	61.3
		Port	Lower	N	N	5.3	36.2	35.7	N	N	N	N	N	N	N
		Port	Upper	N	N	100.0	126.9	139.4	N	N	N	N	N	N	N
		Trad	Lower	84.1	0.2	0.0	12.4	7.4	N	N	7.4	11.5	15.6	19.7	23.2
		Trad	Upper	100.0	32.6	0.3	28.0	22.2	11.5	12.5	13.9	19.6	42.4	58.7	61.2
Pressed wood furniture	Yes	All	Lower	94.8	29.7	0.6	24.1	17.9	3.5	9.2	13.7	20.3	29.8	42.8	52.5
		All	Upper	98.7	41.7	2.0	28.3	22.6	9.9	12.4	16.4	23.9	36.5	56.2	87.3
		Port	Lower	93.8	42.3	1.3	28.7	21.1	3.3	10.6	17.4	24.0	35.4	48.5	59.2
		Port	Upper	98.3	53.6	4.5	33.7	26.9	11.7	14.8	20.5	28.9	42.9	60.0	83.6
		Trad	Lower	94.7	20.0	0.0	20.5	15.4	1.9	8.3	12.6	17.2	25.1	34.7	40.5
		Trad	Upper	99.7	36.2	0.7	25.9	21.3	10.1	12.1	15.0	21.5	33.4	53.9	67.8
Pressed wood furniture	No	All	Lower	92.4	21.8	0.0	22.2	14.9	N	7.6	10.8	12.3	26.7	40.6	48.8
		All	Upper	100.0	57.8	7.9	37.5	31.0	11.7	17.1	22.7	35.3	53.8	65.4	78.4
		Port	Lower	97.4	44.2	0.0	33.4	27.2	4.5	12.4	16.7	26.3	46.8	52.8	57.4
		Port	Upper	100.0	77.3	26.7	51.3	43.3	19.1	22.7	28.1	49.7	85.7	91.4	N
		Trad	Lower	89.7	9.1	N	16.2	11.1	N	N	10.7	11.2	20.2	26.1	32.3
		Trad	Upper	100.0	54.1	N	33.7	28.7	11.3	12.4	20.6	31.5	45.3	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Pressed wood table/desks	Yes	All	Lower	94.3	29.5	0.4	23.9	17.4	N	8.7	13.7	20.2	29.7	42.5	52.1
		All	Upper	98.6	42.2	2.0	28.4	22.5	9.6	12.1	16.6	23.6	36.3	57.6	88.4
		Port	Lower	93.5	41.9	1.0	28.5	20.9	3.1	10.1	17.6	23.9	35.3	48.0	57.8
		Port	Upper	98.3	53.8	4.3	33.8	27.1	11.7	15.1	20.7	28.8	43.1	59.8	84.1
		Trad	Lower	93.9	19.3	0.0	19.9	14.7	0.5	7.7	12.2	16.8	24.8	32.8	38.7
		Trad	Upper	99.7	36.8	0.6	25.9	21.1	9.7	12.1	15.1	21.4	32.7	54.9	60.4
Pressed wood table/desks	No	All	Lower	95.5	25.4	0.5	24.1	17.8	1.3	10.7	11.4	19.0	28.9	42.5	49.4
		All	Upper	100.0	49.6	5.4	33.1	27.3	12.4	13.4	19.9	28.2	44.5	65.0	68.5
		Port	Lower	96.1	43.4	1.5	31.4	23.9	3.2	12.8	16.8	25.5	42.1	54.1	59.5
		Port	Upper	100.0	66.7	17.2	43.1	35.1	15.2	17.1	24.5	40.0	56.7	90.5	93.3
		Trad	Lower	94.4	14.9	0.0	19.7	14.9	N	9.4	11.0	13.9	24.8	34.9	40.2
		Trad	Upper	100.0	45.7	1.0	30.4	26.0	11.7	13.0	19.5	26.4	42.1	N	N
Pressed wood bookcases	Yes	All	Lower	94.5	31.5	0.3	24.6	18.3	2.3	9.7	14.1	21.4	30.2	42.6	49.8
		All	Upper	99.5	45.7	2.1	29.6	24.7	11.3	13.4	18.0	25.6	38.1	57.1	83.0
		Port	Lower	95.5	44.4	0.8	29.3	22.8	4.3	12.6	18.0	24.6	37.1	48.3	58.5
		Port	Upper	99.1	57.8	4.2	34.5	28.5	13.3	15.8	21.4	31.1	44.9	60.5	78.5
		Trad	Lower	93.0	20.0	0.0	20.5	15.1	N	7.7	12.9	17.9	25.8	33.2	38.2
		Trad	Upper	100.0	40.4	0.9	27.3	23.6	11.0	12.9	16.2	24.8	34.2	55.9	N
Pressed wood bookcases	No	All	Lower	94.2	24.5	0.7	22.6	16.1	1.3	8.4	12.0	18.6	27.1	41.1	50.9
		All	Upper	99.0	42.3	3.4	29.8	22.7	10.2	12.1	16.5	23.6	39.8	64.5	82.1
		Port	Lower	90.6	37.0	1.8	28.1	18.8	0.6	6.9	16.4	22.8	34.3	50.4	58.5
		Port	Upper	99.2	55.4	9.3	37.1	29.0	12.3	15.5	21.3	31.5	48.9	75.6	102.3
		Trad	Lower	94.7	15.6	0.0	19.0	14.1	N	7.4	10.9	15.1	21.3	33.5	39.8
		Trad	Upper	100.0	38.1	0.6	26.8	21.3	10.4	11.8	15.6	21.1	38.0	56.2	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Pressed wood cabinets	Yes	All	Lower	93.0	28.8	0.4	23.9	16.8	1.1	8.4	13.6	20.0	30.5	42.4	49.5
		All	Upper	99.5	45.5	2.1	30.0	24.5	10.6	13.5	17.9	25.8	39.2	60.7	86.6
		Port	Lower	93.8	47.3	0.9	29.8	22.3	3.9	12.9	18.3	25.5	36.7	47.4	55.9
		Port	Upper	99.9	62.7	4.7	35.8	30.6	14.2	17.0	22.4	32.7	45.1	60.0	79.5
		Trad	Lower	91.2	13.2	0.0	18.7	13.0	N	6.5	9.9	14.7	21.9	32.1	37.8
		Trad	Upper	100.0	37.2	0.6	27.4	22.6	10.2	12.7	14.9	21.9	37.2	N	N
Pressed wood cabinets	No	All	Lower	95.5	27.9	0.6	23.5	17.7	2.9	9.9	12.7	19.7	28.8	41.2	50.5
		All	Upper	99.1	42.9	3.1	29.4	23.3	10.4	12.7	17.2	24.5	36.5	60.2	85.2
		Port	Lower	93.0	35.7	1.6	27.8	19.8	1.8	9.7	16.0	22.5	34.6	51.6	58.1
		Port	Upper	98.6	51.2	7.9	35.4	27.4	12.2	14.5	20.4	27.9	47.6	64.7	93.4
		Trad	Lower	95.9	21.3	0.0	20.5	16.0	1.6	8.9	11.7	17.3	25.2	34.3	40.0
		Trad	Upper	100.0	41.0	0.8	26.9	22.3	10.8	12.2	16.4	23.5	35.0	53.6	N
New furnishings this school yr	Yes	All	Lower	94.9	27.6	0.0	22.9	17.6	N	10.8	11.5	17.9	29.1	40.6	49.8
		All	Upper	99.8	49.4	3.7	30.3	24.7	12.1	13.4	18.2	27.0	39.9	57.0	72.6
		Port	Lower	95.9	45.2	0.0	29.6	23.2	4.7	11.8	15.8	24.6	38.3	52.3	61.1
		Port	Upper	100.0	65.9	8.4	38.2	32.3	14.7	16.0	22.0	34.4	51.5	69.5	83.4
		Trad	Lower	92.7	11.5	N	17.0	13.4	4.5	10.0	11.3	12.5	19.3	28.9	32.3
		Trad	Upper	100.0	39.2	N	24.9	21.2	12.2	13.0	17.1	22.1	32.3	49.2	N
New furnishings this school yr	No	All	Lower	94.2	28.9	0.7	24.2	17.4	1.3	8.7	13.6	20.5	29.5	42.8	51.9
		All	Upper	98.7	42.8	2.5	29.5	23.2	9.5	12.5	17.4	24.7	39.2	60.7	79.9
		Port	Lower	92.5	41.0	1.7	28.5	20.1	1.7	8.9	17.7	23.7	34.8	48.0	57.9
		Port	Upper	98.2	53.3	6.0	34.6	27.1	12.0	15.2	21.2	28.5	44.0	60.7	85.0
		Trad	Lower	94.1	20.7	0.0	21.2	15.4	N	7.8	12.6	17.7	25.9	36.5	44.9
		Trad	Upper	100.0	38.9	0.8	27.5	22.4	9.7	12.5	15.5	23.6	36.3	59.4	68.9

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
New furnishings this school yr	DK	All	Lower	N	6.7	0.0	15.5	14.1	7.9	8.1	8.7	10.4	14.6	19.6	24.8
		All	Upper	N	41.8	3.2	27.3	24.0	14.6	14.6	16.9	25.1	32.4	44.8	49.3
		Port	Lower	N	15.9	0.0	23.1	21.5	N	9.1	14.5	17.8	25.0	31.5	37.9
		Port	Upper	N	67.1	7.5	36.5	32.2	17.8	20.9	25.2	33.6	44.4	51.8	N
		Trad	Lower	N	0.0	N	10.1	10.6	N	N	N	9.1	10.2	10.8	N
		Trad	Upper	N	35.6	N	20.6	19.0	N	N	N	17.4	N	N	N
Type appliances in room	Stove/burnr	All	Lower	90.6	23.1	0.0	19.2	13.3	N	0.4	7.3	11.9	20.2	33.0	34.1
		All	Upper	100.0	81.5	8.2	54.6	45.4	15.9	17.9	33.0	63.1	64.4	65.3	N
		Port	Lower	88.5	48.5	0.0	20.7	16.8	N	N	14.2	19.8	30.1	32.0	32.7
		Port	Upper	100.0	91.0	24.9	60.4	46.7	N	23.8	33.1	38.1	62.5	N	N
		Trad	Lower	91.4	0.0	N	12.5	10.3	N	0.5	4.6	10.9	12.1	15.3	17.8
		Trad	Upper	100.0	86.2	N	57.3	50.5	N	17.5	32.4	58.5	N	N	N
Type appliances in room	Other	All	Lower	95.6	26.0	0.0	23.5	18.7	3.2	8.4	13.6	20.0	27.9	40.5	48.2
		All	Upper	100.0	44.4	2.7	30.1	24.8	12.3	13.7	18.4	25.7	39.6	62.4	79.7
		Port	Lower	90.2	36.8	0.1	26.4	17.6	0.7	6.4	16.1	22.3	33.9	45.0	51.1
		Port	Upper	99.9	56.2	4.0	32.5	27.6	12.5	15.6	21.4	29.1	42.6	59.6	72.6
		Trad	Lower	N	12.6	0.0	19.6	17.8	N	N	13.2	16.6	20.8	30.9	37.8
		Trad	Upper	N	40.1	1.8	29.8	25.2	13.2	13.6	18.3	23.9	40.5	58.1	62.5
Type appliances in room	None	All	Lower	93.0	27.4	0.7	23.3	16.1	N	8.4	12.1	20.3	28.6	41.5	49.5
		All	Upper	98.8	42.2	2.9	28.0	22.6	9.5	12.3	17.2	24.8	35.0	50.5	71.0
		Port	Lower	95.3	40.6	1.9	29.8	23.3	5.3	11.7	17.9	23.9	37.3	51.0	62.8
		Port	Upper	99.3	54.2	7.6	35.9	29.2	13.2	15.7	21.4	29.5	47.0	69.7	88.7
		Trad	Lower	91.0	18.3	0.0	19.2	12.7	N	6.9	11.0	16.1	24.7	32.9	36.8
		Trad	Upper	99.3	37.3	0.5	24.1	20.2	9.5	11.6	15.3	23.4	32.9	44.7	51.9

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Chemical present in room	Yes	All	Lower	95.5	29.4	0.6	24.4	18.9	3.2	8.6	13.2	20.0	30.3	42.1	51.0
		All	Upper	99.7	45.8	3.0	31.0	25.0	10.8	13.4	18.3	25.5	40.3	63.0	88.5
		Port	Lower	92.7	47.0	1.6	30.6	22.7	N	10.9	18.7	25.8	36.9	52.3	63.4
		Port	Upper	99.5	63.1	7.4	38.2	31.6	13.8	18.2	22.7	32.9	48.3	68.7	96.8
		Trad	Lower	96.3	17.6	0.0	20.2	16.4	2.3	8.0	11.9	17.2	24.2	34.8	40.1
		Trad	Upper	100.0	38.9	0.9	28.1	23.1	11.2	12.9	17.0	22.9	37.7	60.5	N
Chemical present in room	No	All	Lower	93.2	27.6	0.4	23.2	16.0	N	8.9	12.9	20.1	28.5	41.9	50.0
		All	Upper	99.0	42.1	2.4	28.1	22.5	10.2	12.4	16.0	24.1	37.6	53.3	76.9
		Port	Lower	93.9	36.8	0.7	27.6	19.8	1.8	9.5	15.9	22.8	34.6	48.5	55.6
		Port	Upper	99.1	51.2	5.7	33.1	26.6	12.7	14.4	20.2	27.9	45.5	59.0	76.7
		Trad	Lower	91.6	18.2	0.0	19.3	13.1	N	6.6	11.2	15.3	24.5	32.8	37.1
		Trad	Upper	100.0	39.8	0.5	26.0	21.6	10.5	12.1	14.7	23.3	35.6	53.6	N
Oil/acrylic paints used	Yes	All	Lower	91.9	15.1	0.6	22.4	15.3	N	6.9	13.4	19.7	23.8	36.0	44.6
		All	Upper	100.0	37.2	6.6	29.8	24.9	13.1	14.9	20.0	24.1	41.0	59.0	79.4
		Port	Lower	82.9	40.1	2.4	29.6	14.2	N	0.1	16.4	24.4	37.1	50.9	65.2
		Port	Upper	100.0	68.5	18.0	43.4	40.3	17.6	19.8	24.6	38.5	60.6	89.2	N
		Trad	Lower	94.5	0.0	N	16.8	13.6	N	7.4	12.5	14.6	20.0	22.6	23.2
		Trad	Upper	100.0	24.0	N	23.9	22.4	13.6	14.1	19.6	22.0	26.1	39.9	40.1
Oil/acrylic paints used	No	All	Lower	95.0	31.2	0.5	24.3	17.9	3.6	9.3	13.0	20.3	30.8	44.1	53.1
		All	Upper	98.8	44.1	2.0	29.2	23.2	10.0	12.1	16.6	24.8	38.5	58.6	89.6
		Port	Lower	94.9	42.5	1.1	29.0	22.2	4.9	11.1	17.3	24.0	36.2	48.8	58.4
		Port	Upper	98.6	54.2	4.8	34.2	27.5	11.9	15.0	20.7	29.5	44.1	59.9	87.5
		Trad	Lower	94.3	22.8	0.0	20.9	15.3	1.1	8.3	11.8	16.9	26.4	36.6	45.4
		Trad	Upper	99.6	39.7	0.7	26.8	21.6	10.1	11.7	14.9	23.1	35.9	55.4	69.2

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Permanent marker/pen used	Yes	All	Lower	96.0	28.7	0.7	24.5	19.3	5.2	10.8	14.1	20.3	30.0	42.8	51.5
		All	Upper	99.2	41.2	2.3	28.6	23.6	11.0	13.2	17.1	24.5	38.0	54.5	82.0
		Port	Lower	94.8	42.6	1.6	29.6	22.5	4.8	11.4	18.2	24.3	36.9	51.2	60.7
		Port	Upper	99.1	54.7	5.0	34.3	28.3	12.2	15.6	21.1	29.7	45.0	61.1	79.3
		Trad	Lower	96.1	18.1	0.0	20.6	16.8	4.2	10.1	12.7	17.2	24.8	34.7	39.9
		Trad	Upper	99.9	34.8	0.8	25.9	21.8	10.7	12.6	15.8	21.8	34.1	48.9	66.0
Permanent marker/pen used	No	All	Lower	88.3	27.1	0.0	20.8	11.9	N	0.1	9.1	17.9	27.9	37.5	48.7
		All	Upper	99.9	53.8	4.0	33.2	24.7	9.6	12.0	18.9	28.4	48.9	65.4	65.4
		Port	Lower	87.7	37.2	0.0	25.9	16.3	N	0.6	13.8	22.1	32.8	45.8	52.4
		Port	Upper	99.9	64.4	11.9	40.6	30.7	12.8	15.7	21.8	33.0	53.3	83.9	N
		Trad	Lower	86.6	17.9	N	17.0	9.4	N	N	7.9	12.1	21.8	30.0	35.4
		Trad	Upper	100.0	52.6	N	30.8	24.1	9.6	10.8	17.4	27.1	47.3	N	N
Whiteboard marker used	Yes	All	Lower	94.1	30.7	0.9	25.0	17.9	2.4	9.5	13.3	20.6	30.7	46.7	55.1
		All	Upper	98.5	43.4	2.8	30.0	23.5	10.0	12.4	17.3	24.8	39.0	61.1	84.5
		Port	Lower	93.8	43.9	2.2	30.4	22.3	3.5	11.0	18.2	24.5	38.3	53.0	64.8
		Port	Upper	98.5	56.1	6.6	36.1	28.7	11.7	15.5	21.3	30.8	46.9	67.3	88.6
		Trad	Lower	93.5	20.7	0.0	21.0	15.1	N	8.1	11.9	17.8	25.9	35.9	46.2
		Trad	Upper	99.3	37.6	0.7	27.1	21.7	10.2	11.9	15.7	23.2	34.5	58.6	62.3
Whiteboard marker used	No	All	Lower	97.8	19.0	0.0	19.5	16.2	3.8	7.0	10.2	14.8	23.5	34.0	38.8
		All	Upper	100.0	45.8	0.5	26.1	22.7	12.7	13.8	15.3	24.8	35.6	42.8	61.5
		Port	Lower	93.5	29.8	0.0	23.9	16.9	N	9.2	14.1	20.8	30.3	38.6	41.5
		Port	Upper	100.0	58.8	1.0	30.0	27.1	13.5	14.7	21.3	30.8	39.8	51.0	57.0
		Trad	Lower	N	9.3	0.0	16.4	14.6	N	6.7	8.2	13.8	19.5	26.0	30.6
		Trad	Upper	N	43.5	0.3	25.0	22.6	13.6	13.9	15.2	22.5	34.3	40.8	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Glues/fluids used	Yes	All	Lower	96.9	27.9	0.6	24.2	19.5	6.4	8.9	13.1	20.3	29.3	42.0	50.0
		All	Upper	99.5	41.9	2.3	28.9	24.1	10.9	12.9	17.9	25.0	37.7	55.0	85.5
		Port	Lower	94.5	41.5	1.4	29.1	22.4	5.0	10.7	17.1	24.1	35.6	50.6	59.6
		Port	Upper	99.0	54.6	5.0	34.3	28.4	12.6	15.3	21.0	29.6	45.8	60.7	80.1
		Trad	Lower	97.8	17.4	0.0	20.3	17.3	5.8	8.6	12.0	17.8	N	N	N
		Trad	Upper	100.0	36.4	0.9	26.4	22.6	11.5	12.3	16.7	N	N	N	N
Glues/fluids used	No	All	Lower	89.6	29.0	0.3	22.6	13.6	N	1.3	12.3	18.4	29.6	42.7	51.2
		All	Upper	98.5	48.5	3.4	31.3	23.2	9.3	12.2	16.4	25.7	43.2	64.4	85.4
		Port	Lower	92.0	42.4	0.7	28.4	18.9	N	9.7	17.7	23.6	36.1	46.8	55.7
		Port	Upper	98.7	59.9	9.3	38.0	28.9	12.7	16.7	22.1	31.2	46.5	73.2	100.6
		Trad	Lower	87.1	19.3	0.0	18.6	10.7	N	N	N	N	21.9	34.1	39.9
		Trad	Upper	99.6	44.4	0.2	28.4	21.8	N	N	N	22.2	38.1	63.3	N
Correction fluid used	Yes	All	Lower	96.9	27.4	0.5	23.7	19.2	6.0	8.8	12.9	19.9	28.9	41.6	48.8
		All	Upper	99.6	42.0	2.3	28.6	23.9	10.8	12.9	17.4	25.2	37.6	55.8	83.5
		Port	Lower	94.5	41.6	1.3	28.9	22.6	4.7	10.4	16.5	24.1	35.4	50.9	59.9
		Port	Upper	99.2	55.7	4.9	34.0	28.5	12.7	15.3	20.8	30.7	45.7	60.9	78.8
		Trad	Lower	97.6	16.4	0.0	19.8	16.8	5.1	8.6	11.8	16.7	24.6	32.9	38.0
		Trad	Upper	100.0	36.3	1.0	26.2	22.3	11.2	12.2	15.8	23.2	35.5	47.5	56.4
Correction fluid used	No	All	Lower	90.8	29.6	0.4	23.6	14.8	N	6.4	13.0	19.6	30.2	44.9	51.2
		All	Upper	98.5	47.5	3.2	31.3	23.5	9.5	12.6	17.5	25.2	43.8	63.1	83.1
		Port	Lower	92.3	41.4	1.0	28.9	19.2	N	10.4	17.7	23.3	36.9	47.3	55.8
		Port	Upper	98.5	58.0	8.7	37.7	28.6	12.9	16.0	22.0	30.7	47.0	72.2	97.5
		Trad	Lower	88.6	20.3	0.0	19.7	11.9	N	0.1	11.1	15.4	22.8	34.9	44.4
		Trad	Upper	99.6	43.7	0.1	28.5	22.4	9.7	12.3	15.4	22.4	41.0	61.7	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Epoxy/rubber cement used	Yes	All	Lower	96.7	22.7	0.0	24.1	20.3	6.1	12.4	14.8	19.9	26.0	38.2	45.7
		All	Upper	100.0	47.8	4.5	31.7	27.1	13.9	16.0	20.1	26.0	40.8	52.4	73.4
		Port	Lower	92.3	30.0	0.0	26.0	19.1	0.2	9.9	13.7	21.6	31.2	46.1	50.7
		Port	Upper	100.0	55.3	9.9	37.7	31.2	13.4	15.6	21.4	30.8	51.1	67.9	N
		Trad	Lower	N	10.3	0.0	20.3	19.3	11.8	12.3	14.0	18.2	20.1	28.1	31.7
		Trad	Upper	N	48.8	0.5	29.4	27.0	16.6	18.1	20.0	25.0	38.4	48.9	49.8
Epoxy/rubber cement used	No	All	Lower	94.5	30.1	0.7	24.1	17.4	2.6	8.9	12.8	20.2	30.0	43.1	53.4
		All	Upper	98.6	42.6	2.3	28.9	22.6	9.6	11.9	16.5	24.4	38.1	58.9	88.4
		Port	Lower	93.9	44.3	1.7	29.7	21.7	3.3	10.6	17.9	24.7	37.5	51.2	60.9
		Port	Upper	98.5	56.1	5.7	34.9	27.9	12.0	15.5	21.2	30.8	44.7	62.2	86.5
		Trad	Lower	94.1	20.2	0.0	20.3	14.8	0.5	8.1	11.7	16.5	25.3	35.2	41.8
		Trad	Upper	99.4	36.7	0.7	26.1	20.8	9.5	11.6	14.4	21.8	34.0	55.4	60.9
Air freshener used	Yes	All	Lower	93.9	32.6	0.1	24.6	19.2	4.5	9.9	13.9	21.3	30.7	41.4	48.1
		All	Upper	98.9	52.0	2.8	29.9	24.9	11.8	14.1	19.8	27.1	39.6	51.9	68.6
		Port	Lower	90.0	43.8	0.6	27.8	18.3	N	6.2	16.4	24.8	35.6	45.7	52.6
		Port	Upper	97.9	60.9	4.8	33.6	27.2	12.2	16.1	21.8	32.2	43.6	57.4	76.9
		Trad	Lower	95.8	19.6	0.0	21.1	18.7	6.0	10.4	12.6	17.8	25.5	30.4	37.5
		Trad	Upper	100.0	49.2	1.5	28.0	24.8	12.6	14.0	19.0	26.9	37.7	49.5	N
Air freshener used	No	All	Lower	94.8	26.4	0.7	23.5	16.8	1.4	8.5	12.7	19.3	28.6	43.4	52.7
		All	Upper	99.3	40.1	2.6	29.2	22.7	10.0	12.1	16.0	23.2	37.9	62.9	85.5
		Port	Lower	96.0	40.1	1.8	29.7	23.2	5.6	12.6	17.9	23.3	36.8	52.7	62.5
		Port	Upper	99.6	54.0	7.2	36.5	29.5	12.8	15.3	21.3	29.5	47.8	66.0	99.8
		Trad	Lower	93.5	17.6	0.0	19.6	13.8	N	7.5	11.5	15.9	24.1	34.1	43.1
		Trad	Upper	99.8	34.9	0.4	26.3	20.7	9.5	11.6	14.5	21.3	34.3	58.2	64.2

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Air freshener used - plug-in	Yes	All	Lower	90.5	26.7	0.0	22.5	16.3	0.5	7.3	12.7	19.6	28.3	38.6	45.7
		All	Upper	99.3	50.5	2.7	29.4	23.7	10.9	13.5	19.2	27.1	39.0	51.7	66.8
		Port	Lower	88.0	35.4	0.0	25.5	14.6	N	N	N	22.6	33.9	44.0	49.0
		Port	Upper	98.7	57.0	5.7	33.8	26.3	N	N	21.5	30.7	45.4	57.8	84.1
		Trad	Lower	90.9	12.6	N	18.5	16.2	3.1	6.4	11.6	14.5	21.0	29.3	32.8
		Trad	Upper	100.0	51.0	N	26.8	24.0	12.3	13.8	19.3	28.4	35.6	N	N
Air freshener used - plug-in	No	All	Lower	95.3	29.4	0.7	24.3	17.9	2.7	9.2	13.2	20.3	30.2	43.6	53.7
		All	Upper	99.1	42.1	2.5	29.3	23.2	10.1	12.4	16.6	24.3	38.7	59.6	80.2
		Port	Lower	95.1	43.7	1.8	30.0	23.5	5.8	12.4	18.3	24.3	37.5	52.1	62.0
		Port	Upper	99.0	55.9	6.2	35.6	28.9	12.6	15.5	21.3	30.6	46.2	64.1	93.5
		Trad	Lower	94.7	19.8	0.0	20.6	15.0	0.3	8.2	12.1	16.8	25.2	36.1	42.6
		Trad	Upper	99.8	36.4	0.7	26.5	21.2	10.2	11.9	14.9	21.8	35.5	55.9	69.8
Air freshener used - spray	Yes	All	Lower	93.9	30.6	0.0	24.2	19.1	4.4	10.8	13.3	21.0	29.7	39.9	45.4
		All	Upper	99.5	55.9	3.8	31.4	26.5	13.6	15.1	21.1	29.4	39.3	54.3	75.0
		Port	Lower	88.2	42.6	0.0	26.9	17.7	N	4.2	15.7	23.7	34.0	44.6	50.4
		Port	Upper	99.1	66.6	6.2	35.2	29.9	15.1	16.8	23.3	33.5	45.5	59.1	79.3
		Trad	Lower	96.8	15.1	0.0	20.5	18.1	10.0	10.4	12.0	15.2	24.0	29.3	33.6
		Trad	Upper	100.0	54.7	2.4	30.2	26.9	13.9	14.9	20.9	28.5	38.4	N	N
Air freshener used - spray	No	All	Lower	94.8	28.2	0.7	23.9	17.3	2.3	8.8	13.0	19.7	29.4	43.7	53.3
		All	Upper	98.9	40.7	2.4	28.9	22.6	9.6	11.9	16.5	23.6	37.2	60.1	80.3
		Port	Lower	94.9	41.1	1.8	29.6	22.1	4.3	12.4	18.1	23.9	37.2	52.2	61.8
		Port	Upper	99.2	53.8	6.2	35.4	28.4	12.7	15.3	21.0	29.1	45.9	64.1	94.4
		Trad	Lower	93.9	19.1	0.0	20.0	14.5	N	7.9	11.8	16.6	24.8	34.8	41.4
		Trad	Upper	99.5	35.3	0.4	25.9	20.7	9.5	11.7	14.8	21.2	33.7	54.8	60.3

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
New furnishings odor	Never	All	Lower	95.1	28.7	0.6	23.8	17.6	2.6	9.3	13.0	20.1	29.5	42.4	52.4
		All	Upper	99.0	41.3	2.3	28.5	22.6	10.0	11.9	16.4	23.7	37.6	57.7	84.9
		Port	Lower	94.2	40.1	1.5	28.7	21.2	3.0	10.7	17.2	23.3	36.2	50.0	57.2
		Port	Upper	98.7	52.6	5.9	34.0	27.1	11.6	14.8	20.6	28.3	44.9	59.0	80.4
		Trad	Lower	95.0	21.1	0.0	20.7	15.4	1.3	8.5	12.0	17.0	25.4	36.1	42.2
		Trad	Upper	99.8	37.3	0.6	26.3	21.3	10.1	11.9	14.8	21.7	34.8	54.4	60.4
New furnishings odor	Sometimes	All	Lower	90.7	28.7	0.1	24.9	19.2	1.5	6.2	14.9	20.3	29.5	42.9	48.6
		All	Upper	100.0	54.7	6.1	34.2	28.4	14.2	15.8	21.0	29.3	45.3	59.7	88.2
		Port	Lower	96.6	42.1	0.2	28.7	25.2	11.5	12.2	16.5	22.4	35.7	44.6	53.9
		Port	Upper	100.0	76.0	10.8	43.0	36.0	16.4	18.8	27.0	38.3	53.7	85.1	N
		Trad	Lower	81.4	3.8	0.0	17.1	12.0	N	1.2	7.7	15.2	20.7	24.8	26.4
		Trad	Upper	100.0	37.3	0.9	26.8	24.6	13.6	15.3	19.4	24.5	33.9	48.3	49.3
New furnishings odor	Often	All	Lower	N	55.0	N	32.2	30.8	N	14.2	24.3	28.8	35.5	39.0	44.9
		All	Upper	N	98.8	N	49.7	46.8	28.7	29.9	36.9	52.8	N	N	N
		Port	Lower	N	48.7	N	31.2	29.6	N	13.0	24.2	25.5	32.0	44.1	46.6
		Port	Upper	N	97.4	N	51.4	48.2	26.8	29.9	34.3	62.0	N	N	N
		Trad	Lower	N	N	N	39.1	39.1	N	N	N	N	N	N	N
		Trad	Upper	N	N	N	39.1	39.1	N	N	N	N	N	N	N
Construction activity this yr	Current	All	Lower	96.9	33.8	0.1	24.3	19.5	4.7	10.8	11.4	20.4	31.1	42.0	51.2
		All	Upper	100.0	60.2	2.5	35.2	28.9	12.6	14.1	20.7	31.2	51.7	66.6	82.5
		Port	Lower	97.1	44.5	0.3	28.2	24.2	5.8	9.8	15.4	23.8	34.4	45.2	60.1
		Port	Upper	100.0	65.6	6.5	37.5	31.6	13.8	16.6	21.9	32.9	47.2	63.8	89.7
		Trad	Lower	96.0	23.9	0.0	20.5	16.4	N	10.7	11.0	14.6	26.4	38.5	42.2
		Trad	Upper	100.0	60.9	0.4	35.6	28.8	12.1	14.5	20.8	31.1	55.9	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Construction activity this yr	Previous	All	Lower	91.7	27.8	0.8	23.9	15.9	N	7.6	13.7	20.2	29.4	40.8	49.4
		All	Upper	98.6	44.2	3.8	30.2	23.8	9.8	13.0	18.2	25.3	38.8	59.0	86.0
		Port	Lower	93.3	38.5	1.7	28.9	21.2	2.1	12.2	17.8	23.6	37.0	48.4	57.9
		Port	Upper	99.1	54.3	8.4	36.5	28.9	13.0	16.1	21.8	29.6	46.2	67.5	92.6
		Trad	Lower	89.4	17.8	0.0	19.8	12.4	N	3.9	10.2	17.0	25.0	33.4	37.5
		Trad	Upper	99.5	40.6	1.2	26.8	22.1	10.2	12.9	16.9	24.5	36.4	50.6	N
Construction activity this yr	Never	All	Lower	97.2	19.6	0.0	21.1	17.4	3.7	8.0	12.4	16.9	24.6	36.2	46.1
		All	Upper	99.8	38.1	1.0	26.2	22.1	10.9	12.7	15.7	22.5	34.1	52.1	66.0
		Port	Lower	91.7	37.9	0.1	27.5	19.8	1.6	8.8	16.1	22.3	33.1	48.0	53.2
		Port	Upper	99.3	60.9	2.8	34.6	29.0	13.4	15.8	21.9	32.9	49.3	58.1	76.3
		Trad	Lower	N	7.2	N	17.2	15.5	N	7.1	11.5	13.8	20.3	25.5	28.9
		Trad	Upper	N	30.1	N	22.7	20.2	11.5	12.2	14.2	21.0	29.4	44.4	N
Construction activity this yr	Unknown	All	Lower	85.0	0.0	N	18.5	9.8	N	N	13.2	16.9	18.0	N	N
		All	Upper	100.0	39.3	N	28.0	31.6	N	22.0	24.8	26.3	32.8	39.0	N
		Port	Lower	68.2	13.7	N	15.6	4.1	N	N	N	13.2	23.3	28.1	N
		Port	Upper	100.0	72.8	N	32.4	42.4	N	17.7	24.1	32.8	37.9	N	N
		Trad	Lower	N	N	N	17.1	17.2	N	N	N	N	N	N	N
		Trad	Upper	N	N	N	28.2	28.6	N	N	N	N	N	N	N
Carpentry activity this yr	Yes	All	Lower	96.1	28.8	0.1	24.0	18.3	4.8	8.7	12.0	19.0	31.7	43.5	51.4
		All	Upper	100.0	51.1	2.7	34.0	27.1	11.8	13.0	18.3	28.0	47.9	64.5	89.3
		Port	Lower	96.3	36.9	0.0	27.3	22.6	6.2	12.2	15.7	22.2	35.5	47.0	51.8
		Port	Upper	100.0	56.1	6.9	37.8	30.4	13.3	15.5	21.4	32.0	47.7	62.4	N
		Trad	Lower	95.4	20.9	0.0	20.7	15.5	1.2	8.6	10.8	14.7	25.8	38.6	42.9
		Trad	Upper	100.0	52.0	0.8	33.4	26.6	11.5	12.2	17.5	29.9	51.4	64.9	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Carpentry activity this yr	No	All	Lower	93.6	28.0	0.8	23.6	16.9	1.6	8.6	13.6	20.2	28.6	42.0	50.8
		All	Upper	98.6	40.6	2.6	27.4	22.2	9.9	12.6	17.0	23.9	34.6	50.9	69.8
		Port	Lower	92.5	43.6	1.8	29.4	20.6	1.6	9.0	17.8	24.7	36.8	51.5	62.1
		Port	Upper	98.2	57.0	6.2	34.6	27.7	12.1	15.7	21.4	30.8	45.1	64.8	83.0
		Trad	Lower	93.3	16.4	0.0	19.5	14.2	N	7.4	12.5	16.9	23.8	30.2	35.3
		Trad	Upper	99.8	32.5	0.7	23.5	20.4	10.6	12.1	15.3	21.4	29.7	45.9	51.0
In-room construction this yr	Yes	All	Lower	95.2	27.2	0.0	22.4	17.3	3.6	9.2	12.8	17.8	29.7	40.1	47.7
		All	Upper	100.0	56.9	0.5	35.9	28.7	12.3	14.5	19.0	31.6	62.8	64.1	64.8
		Port	Lower	92.3	31.4	0.0	24.2	16.5	N	7.5	14.3	20.2	32.2	40.2	45.8
		Port	Upper	100.0	57.7	1.6	31.6	28.3	14.4	16.4	20.1	32.0	43.3	52.6	59.1
		Trad	Lower	95.0	20.2	N	20.1	16.1	N	N	N	N	26.1	36.5	41.5
		Trad	Upper	100.0	61.6	N	39.3	31.9	N	N	19.3	37.4	62.1	N	N
In-room construction this yr	No	All	Lower	94.6	29.2	0.9	24.1	17.6	2.7	9.0	13.2	20.4	29.8	42.6	51.3
		All	Upper	98.7	41.3	2.7	28.5	22.7	9.9	12.4	16.8	24.1	36.4	53.1	82.5
		Port	Lower	94.1	44.1	2.1	30.2	22.5	4.4	11.6	18.3	25.0	37.7	52.7	62.9
		Port	Upper	98.6	55.8	6.4	35.7	28.6	12.1	15.3	21.3	30.3	46.2	65.0	92.4
		Trad	Lower	94.1	18.3	0.0	19.9	14.7	N	8.0	12.0	16.9	24.6	33.7	38.8
		Trad	Upper	99.6	34.1	0.7	24.4	20.4	10.0	11.9	14.9	21.4	32.0	45.6	61.5
Other school construction this yr	Yes	All	Lower	93.8	33.0	0.9	25.2	17.8	1.5	9.1	13.0	21.1	32.4	45.0	53.5
		All	Upper	98.7	47.8	3.1	31.1	24.4	10.3	12.6	18.3	26.3	40.8	63.1	86.1
		Port	Lower	95.0	42.7	2.0	29.7	22.7	4.1	11.0	17.8	24.3	37.2	51.0	62.7
		Port	Upper	99.2	56.0	7.1	36.0	29.0	12.4	15.6	21.4	30.1	45.4	65.8	87.0
		Trad	Lower	92.1	24.5	0.0	21.5	14.6	N	7.6	11.7	18.1	26.9	37.9	46.3
		Trad	Upper	99.2	44.8	0.9	28.9	22.7	10.3	12.0	16.6	25.5	38.8	61.1	70.7

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Other school construction this yr	No	All	Lower	96.8	19.0	0.1	21.1	17.1	3.7	8.5	13.0	17.2	24.7	34.0	46.6
		All	Upper	99.5	35.0	1.1	25.6	21.4	10.8	12.9	16.2	21.9	31.9	50.4	69.5
		Port	Lower	90.2	38.0	0.4	27.4	17.8	N	6.1	16.2	22.3	33.2	47.5	52.9
		Port	Upper	98.3	58.6	3.3	33.7	27.1	12.4	15.3	21.4	32.7	47.7	57.1	78.1
		Trad	Lower	N	6.8	N	17.5	16.0	N	8.1	12.0	14.7	20.0	25.9	28.6
		Trad	Upper	N	26.3	N	22.2	20.0	11.4	12.6	15.0	20.0	28.1	37.5	N
# teacher complaints in school yr	0	All	Lower	92.5	28.2	0.5	24.3	16.1	N	9.6	13.8	20.8	28.5	40.9	50.6
		All	Upper	99.5	45.2	2.7	29.5	24.4	11.4	13.4	18.6	26.1	38.4	55.7	76.6
		Port	Lower	92.6	37.8	1.3	28.6	19.5	N	10.3	17.8	23.5	35.3	50.9	59.4
		Port	Upper	99.0	54.2	7.1	35.1	28.2	13.0	15.8	21.6	29.3	47.3	67.0	85.5
		Trad	Lower	91.1	20.0	0.0	20.6	13.4	N	7.4	12.8	18.5	26.3	34.1	39.0
		Trad	Upper	100.0	42.6	0.1	27.3	24.1	12.0	13.3	18.2	26.0	36.8	50.7	N
# teacher complaints in school yr	1-5	All	Lower	94.8	28.2	0.5	23.8	18.1	4.4	8.1	13.3	19.3	29.2	43.1	50.7
		All	Upper	98.9	44.6	2.8	29.6	23.6	9.9	12.9	16.8	24.2	40.0	60.6	88.7
		Port	Lower	93.4	44.1	1.2	29.4	22.1	4.0	10.0	17.1	24.7	38.4	49.8	58.6
		Port	Upper	98.9	59.4	7.0	36.7	29.5	12.8	14.8	21.7	31.9	46.7	62.3	94.8
		Trad	Lower	94.8	16.0	0.0	19.1	15.2	3.3	7.7	11.8	16.0	22.0	32.7	39.1
		Trad	Upper	99.9	38.3	0.5	26.7	21.7	10.6	12.6	15.8	21.6	37.6	57.7	N
# teacher complaints in school yr	>5	All	Lower	99.0	13.3	0.0	16.1	14.2	2.3	5.0	10.8	11.5	18.8	30.4	33.5
		All	Upper	100.0	53.7	3.4	34.6	27.1	11.4	12.0	18.7	29.4	62.7	64.6	65.2
		Port	Lower	97.3	23.2	0.0	22.8	19.7	5.9	8.6	15.2	18.8	23.9	33.4	39.6
		Port	Upper	100.0	67.6	1.2	33.2	29.6	18.7	18.9	22.5	33.3	39.3	59.2	62.1
		Trad	Lower	N	0.0	0.0	9.7	10.9	N	N	9.3	10.8	11.3	11.7	15.4
		Trad	Upper	N	55.0	5.2	37.9	27.8	N	N	11.8	28.0	51.1	61.8	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Overall air quality (teacher)	Excellent	All	Lower	95.1	25.1	0.0	23.4	18.3	4.0	10.8	12.1	19.3	27.1	41.2	46.4
		All	Upper	100.0	48.3	3.7	30.6	26.4	13.4	15.6	19.9	26.3	41.1	51.8	71.5
		Port	Lower	95.5	38.9	0.0	29.5	22.7	N	13.0	18.9	22.6	37.6	47.6	57.2
		Port	Upper	100.0	62.5	9.5	39.1	33.3	17.1	20.7	22.6	35.3	52.7	70.6	N
		Trad	Lower	94.3	11.9	N	18.4	15.4	3.3	10.6	11.1	14.8	21.7	28.2	32.4
		Trad	Upper	100.0	43.8	N	26.4	23.5	12.5	14.2	18.5	26.1	35.4	45.8	N
Overall air quality (teacher)	Good	All	Lower	90.6	22.3	0.6	21.4	13.3	N	5.0	12.3	17.2	26.2	38.4	48.1
		All	Upper	98.6	38.8	3.7	26.7	20.8	8.7	12.4	15.4	22.9	33.0	50.9	70.0
		Port	Lower	91.3	38.4	1.4	28.3	19.7	1.0	8.0	15.4	22.4	35.2	51.8	57.9
		Port	Upper	98.9	57.9	9.2	36.1	28.9	12.7	14.6	20.6	30.6	51.4	72.8	87.4
		Trad	Lower	88.8	11.6	0.0	17.2	10.2	N	N	10.4	14.5	21.0	27.6	31.7
		Trad	Upper	99.9	32.2	1.5	22.9	19.0	9.5	12.0	14.6	21.1	29.2	39.9	48.8
Overall air quality (teacher)	Adequate	All	Lower	96.8	32.0	0.0	25.3	21.0	6.3	10.9	13.4	21.2	32.5	42.8	52.2
		All	Upper	99.8	55.2	2.2	34.8	28.8	13.3	15.3	20.6	31.7	48.8	64.6	81.6
		Port	Lower	94.7	40.8	0.0	27.7	21.0	1.0	10.8	17.5	24.6	33.7	44.6	51.0
		Port	Upper	99.7	60.1	5.4	36.4	29.5	13.3	16.8	22.1	32.5	44.1	62.6	91.9
		Trad	Lower	97.2	23.1	0.0	22.6	19.9	7.5	10.7	11.5	19.0	28.4	36.6	45.3
		Trad	Upper	100.0	55.3	0.2	35.0	29.9	13.7	15.2	20.3	32.7	54.3	65.0	N
Overall air quality (teacher)	Poor	All	Lower	94.4	21.2	0.0	20.8	15.9	0.8	4.5	8.5	16.7	24.1	38.9	43.8
		All	Upper	100.0	48.8	3.1	29.9	24.5	12.7	13.5	19.4	25.1	41.0	54.3	60.6
		Port	Lower	86.6	34.4	0.0	25.3	16.3	0.1	0.6	15.3	23.2	34.3	44.0	46.0
		Port	Upper	100.0	61.8	7.4	37.4	31.9	15.2	17.4	23.4	34.3	45.6	62.2	N
		Trad	Lower	N	6.1	N	15.5	13.6	N	N	7.3	13.2	18.8	20.8	26.9
		Trad	Upper	N	45.5	N	26.7	23.3	12.7	13.4	18.8	20.9	39.4	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Overall air quality (teacher)	Very_poor	All	Lower	N	0.0	N	12.4	12.4	N	7.7	9.9	10.3	10.7	22.2	23.8
		All	Upper	N	60.6	N	36.9	33.2	17.2	19.8	23.4	34.9	49.0	53.4	N
		Port	Lower	N	12.3	N	18.3	15.9	N	N	8.0	13.0	19.9	26.2	27.4
		Port	Upper	N	70.9	N	32.5	30.1	16.7	18.3	22.8	30.7	41.7	N	N
		Trad	Lower	N	0.0	N	5.2	9.1	N	N	N	N	N	N	N
		Trad	Upper	N	63.0	N	43.0	41.0	N	N	N	N	N	N	N
Nose symptoms past 2 weeks	None	All	Lower	97.4	24.3	0.5	22.3	18.0	4.0	8.8	12.7	17.5	27.3	39.1	47.4
		All	Upper	99.5	40.7	3.3	28.8	23.0	10.7	12.7	15.9	22.9	37.4	58.4	82.7
		Port	Lower	92.6	38.6	1.5	28.9	20.1	N	9.2	16.8	22.6	37.1	51.4	60.9
		Port	Upper	98.5	55.7	9.5	37.7	28.8	12.7	15.7	21.4	30.5	50.3	78.3	98.0
		Trad	Lower	N	13.7	0.0	18.2	16.2	7.4	8.2	11.2	14.4	20.9	N	N
		Trad	Upper	N	35.7	0.1	24.8	21.5	11.1	12.5	14.6	20.7	N	N	N
Nose symptoms past 2 weeks	Occasional	All	Lower	88.1	28.7	0.4	22.7	13.4	N	1.6	11.8	19.6	29.4	39.8	46.1
		All	Upper	97.4	48.0	2.5	29.1	22.6	9.6	12.6	18.6	26.4	38.1	57.4	84.9
		Port	Lower	90.1	41.7	0.8	27.8	19.2	0.9	4.9	16.6	23.7	34.2	45.6	56.3
		Port	Upper	99.2	58.9	6.5	34.7	28.3	12.8	16.1	21.6	32.1	43.9	60.4	84.5
		Trad	Lower	85.2	19.5	0.0	19.0	10.4	N	N	N	N	N	30.5	37.1
		Trad	Upper	98.4	44.9	0.8	27.2	21.5	N	N	N	N	33.9	51.1	N
Nose symptoms past 2 weeks	Frequent	All	Lower	98.8	29.0	0.0	25.6	21.7	6.3	10.6	15.1	20.9	32.3	46.4	51.3
		All	Upper	100.0	52.3	2.2	34.7	29.5	13.4	16.0	20.4	29.1	49.9	63.1	63.5
		Port	Lower	97.4	40.6	0.1	28.5	23.4	4.1	11.6	18.4	24.0	35.3	46.3	51.1
		Port	Upper	100.0	62.9	3.1	35.2	31.2	14.7	17.9	22.9	32.9	46.2	61.5	73.0
		Trad	Lower	N	13.7	0.0	21.3	18.9	N	6.9	12.8	19.2	21.8	37.7	43.7
		Trad	Upper	N	50.0	2.3	36.4	30.4	13.9	16.0	20.2	28.1	58.1	61.9	63.0

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Nose symptoms at home	Same/worse	All	Lower	89.1	28.1	0.2	23.6	14.5	N	3.2	13.7	20.5	29.8	41.7	48.2
		All	Upper	98.8	47.4	1.5	29.8	24.6	10.8	13.3	19.5	26.4	40.9	57.0	77.4
		Port	Lower	94.1	45.3	0.5	29.5	23.0	4.6	11.0	18.5	25.5	36.4	47.5	54.8
		Port	Upper	100.0	63.8	4.1	35.3	30.8	13.2	17.1	23.7	33.5	46.4	59.4	77.3
		Trad	Lower	85.3	16.3	0.0	19.5	10.8	N	N	N	N	24.1	31.4	40.3
		Trad	Upper	99.3	41.8	0.2	27.9	23.3	N	N	N	25.7	40.3	N	N
Nose symptoms at home	Improves	All	Lower	96.1	25.5	0.0	22.8	17.5	3.4	9.2	11.2	18.7	27.9	40.3	47.4
		All	Upper	100.0	52.6	3.5	34.7	28.3	13.1	15.4	19.3	29.4	49.9	63.2	63.6
		Port	Lower	91.2	34.0	0.0	25.4	17.9	0.2	6.0	16.1	21.6	33.0	42.4	46.9
		Port	Upper	100.0	55.4	4.6	34.1	28.3	14.6	17.4	20.7	31.4	44.3	60.8	85.1
		Trad	Lower	N	12.7	0.0	18.1	15.8	N	N	10.8	11.5	19.9	30.9	35.6
		Trad	Upper	N	55.6	3.5	37.6	30.7	12.2	14.1	19.2	32.0	59.4	62.4	63.3
Nose symptoms at home	NA	All	Lower	97.4	24.3	0.5	22.3	18.0	4.0	8.8	12.7	17.5	27.3	39.1	47.4
		All	Upper	99.5	40.7	3.3	28.8	23.0	10.7	12.7	15.9	22.9	37.4	58.4	82.7
		Port	Lower	92.6	38.6	1.5	28.9	20.1	N	9.2	16.8	22.6	37.1	51.4	60.9
		Port	Upper	98.5	55.7	9.5	37.7	28.8	12.7	15.7	21.4	30.5	50.3	78.3	98.0
		Trad	Lower	N	13.7	0.0	18.2	16.2	7.4	8.2	11.2	14.4	21.3	30.9	35.4
		Trad	Upper	N	35.7	0.1	24.8	21.5	11.1	12.5	14.6	21.1	35.1	44.3	N
Throat symptoms past 2 weeks	None	All	Lower	97.2	25.6	0.7	23.2	18.8	5.6	8.8	13.2	18.7	27.3	41.0	49.4
		All	Upper	99.6	40.4	3.1	29.1	23.3	10.7	12.7	15.7	22.7	37.9	61.4	84.8
		Port	Lower	94.3	42.2	1.9	30.2	22.2	2.6	12.7	17.4	23.2	39.4	51.7	63.9
		Port	Upper	98.9	57.7	8.5	37.8	29.7	13.5	15.7	21.4	31.4	49.0	72.5	109.3
		Trad	Lower	98.4	14.5	0.0	18.7	16.5	5.3	8.7	11.9	14.9	21.7	31.8	36.2
		Trad	Upper	100.0	33.0	0.2	25.0	21.2	11.1	12.2	14.5	20.6	34.0	49.2	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Throat symptoms past 2 weeks	Occasional	All	Lower	92.1	29.6	0.0	23.3	16.3	0.9	6.6	12.5	20.4	30.1	40.6	49.0
		All	Upper	98.5	51.5	2.7	31.5	25.0	10.3	14.1	20.1	29.0	43.1	62.8	63.4
		Port	Lower	89.8	37.8	0.2	26.7	18.1	0.2	4.7	16.5	23.4	32.9	44.6	52.1
		Port	Upper	99.1	59.5	4.6	33.4	28.1	13.5	17.1	22.4	31.5	43.3	60.6	80.0
		Trad	Lower	91.4	21.1	0.0	20.2	14.2	N	6.1	11.6	17.5	26.2	31.3	39.2
		Trad	Upper	100.0	50.6	1.9	31.4	25.0	11.6	13.6	19.5	28.7	45.2	60.8	62.5
Throat symptoms past 2 weeks	Frequent	All	Lower	92.8	26.6	0.0	24.5	16.8	N	9.9	13.6	21.5	29.5	42.6	47.8
		All	Upper	100.0	49.1	1.9	31.5	28.4	13.0	14.8	20.8	27.1	45.3	54.7	57.2
		Port	Lower	95.7	32.5	0.0	25.7	19.9	2.1	9.2	15.2	23.2	33.5	43.4	46.1
		Port	Upper	100.0	59.1	3.8	33.4	29.5	13.4	16.6	21.7	32.7	44.4	56.0	60.0
		Trad	Lower	87.7	12.3	N	21.0	12.2	N	N	13.0	18.6	24.5	31.8	37.5
		Trad	Upper	100.0	47.8	N	32.0	31.8	13.5	16.5	21.9	25.5	48.4	N	N
Throat symptoms at home	Same/worse	All	Lower	90.0	26.3	0.0	22.7	14.4	N	6.2	12.2	20.5	28.3	37.3	46.2
		All	Upper	99.8	49.7	1.4	28.9	24.9	11.3	13.8	20.2	27.2	37.6	50.6	62.4
		Port	Lower	98.5	35.4	0.0	27.0	23.3	4.1	9.5	17.2	23.8	31.6	41.2	51.0
		Port	Upper	100.0	59.0	3.7	33.6	29.7	15.7	18.5	23.5	30.6	41.4	60.2	73.2
		Trad	Lower	84.5	16.2	N	19.0	10.3	N	N	N	N	25.6	30.2	33.9
		Trad	Upper	100.0	49.0	N	27.3	23.7	N	N	N	27.0	37.0	49.7	N
Throat symptoms at home	Improves	All	Lower	94.6	27.9	0.0	23.2	17.3	5.0	8.1	11.2	19.3	29.3	40.9	48.1
		All	Upper	99.6	54.8	4.1	34.9	28.2	13.2	16.1	20.3	29.9	50.6	63.2	63.6
		Port	Lower	87.6	34.2	0.0	25.3	15.5	N	0.8	12.9	22.5	33.8	45.0	48.8
		Port	Upper	99.5	58.3	4.9	32.7	26.7	11.8	14.6	21.1	33.2	45.3	57.1	78.2
		Trad	Lower	N	15.8	0.0	19.5	17.1	N	N	10.6	15.7	24.4	31.0	36.3
		Trad	Upper	N	59.0	3.5	38.6	32.7	16.3	17.3	21.5	31.3	59.4	62.3	63.3

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Throat symptoms at home	NA	All	Lower	97.2	25.6	0.7	23.2	18.8	5.6	8.8	13.2	18.7	27.3	41.0	49.4
		All	Upper	99.6	40.4	3.1	29.1	23.3	10.7	12.7	15.7	22.7	37.9	61.4	84.8
		Port	Lower	94.3	42.2	1.9	30.2	22.2	2.6	12.7	17.4	23.2	39.4	51.7	63.9
		Port	Upper	98.9	57.7	8.5	37.8	29.7	13.5	15.7	21.4	31.4	49.0	72.5	109.3
		Trad	Lower	98.4	14.5	0.0	18.7	16.5	5.3	8.7	11.9	14.9	21.7	31.8	36.2
		Trad	Upper	100.0	33.0	0.2	25.0	21.2	11.1	12.2	14.5	20.6	34.0	49.2	N
Eyes symptoms past 2 weeks	None	All	Lower	95.0	27.9	0.6	23.1	17.6	3.2	9.2	12.9	19.5	28.6	40.8	47.5
		All	Upper	99.2	42.3	2.8	28.4	22.7	10.6	12.5	15.9	24.1	37.4	53.6	80.4
		Port	Lower	93.2	41.7	1.6	28.6	20.2	1.4	10.4	16.3	23.6	34.9	48.8	60.0
		Port	Upper	99.1	56.8	7.6	35.6	28.1	12.6	14.7	21.4	30.1	44.8	69.3	93.0
		Trad	Lower	95.2	17.2	0.0	19.3	15.4	2.9	8.8	11.8	15.1	24.0	33.1	37.7
		Trad	Upper	100.0	37.0	0.2	24.9	21.2	10.9	12.1	14.6	22.3	35.3	45.2	55.4
Eyes symptoms past 2 weeks	Occasional	All	Lower	97.2	28.9	0.0	24.5	19.5	5.7	8.0	11.5	19.3	29.6	46.7	52.4
		All	Upper	100.0	52.8	2.8	33.9	27.7	13.3	15.8	19.2	28.7	50.3	63.7	80.6
		Port	Lower	97.3	43.6	0.0	30.5	26.4	7.9	13.9	19.2	24.5	39.7	50.1	57.4
		Port	Upper	100.0	65.2	4.9	37.3	32.7	16.2	19.1	23.0	36.7	49.9	62.0	72.2
		Trad	Lower	96.6	18.5	0.0	20.3	16.3	2.5	7.0	11.5	16.7	25.5	31.1	43.3
		Trad	Upper	100.0	49.9	2.0	33.3	26.5	12.7	14.6	18.2	28.3	52.9	N	N
Eyes symptoms past 2 weeks	Frequent	All	Lower	93.9	18.8	0.0	22.7	18.4	4.5	10.8	13.5	20.6	24.8	36.0	45.7
		All	Upper	100.0	45.0	1.9	29.5	25.6	13.5	15.7	20.6	24.9	36.1	54.5	74.1
		Port	Lower	86.7	26.6	0.0	23.8	16.2	0.2	0.8	12.9	21.9	29.1	38.6	46.2
		Port	Upper	100.0	54.4	4.2	32.4	27.9	12.5	15.7	21.8	31.3	44.6	61.5	77.1
		Trad	Lower	N	7.1	N	19.7	18.3	N	N	12.1	18.8	21.0	24.6	29.9
		Trad	Upper	N	42.4	N	29.2	26.6	14.5	18.4	20.8	24.5	33.4	56.0	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Eyes symptoms at home	Same/worse	All	Lower	97.1	19.1	0.0	22.0	18.2	2.9	7.6	11.5	18.7	25.6	36.9	47.1
		All	Upper	100.0	43.3	2.3	30.5	25.7	12.9	14.6	19.2	25.8	40.8	65.8	78.6
		Port	Lower	94.4	44.4	0.0	30.2	26.3	N	12.0	19.0	25.4	38.5	48.8	53.2
		Port	Upper	100.0	66.9	4.1	38.0	33.9	15.6	20.4	24.9	37.0	51.2	61.3	67.0
		Trad	Lower	97.2	8.1	0.0	18.1	15.6	1.8	5.8	11.3	16.2	21.1	26.1	29.7
		Trad	Upper	100.0	36.8	2.2	28.7	23.9	13.2	15.0	18.7	24.7	36.6	55.7	61.9
Eyes symptoms at home	Improves	All	Lower	95.3	31.5	0.0	25.3	20.0	2.6	6.4	13.4	20.9	33.3	46.6	51.9
		All	Upper	100.0	60.2	2.9	36.9	30.7	13.1	16.2	21.0	33.9	58.3	63.3	63.6
		Port	Lower	90.4	31.2	0.0	25.8	18.3	1.7	6.2	15.6	22.0	32.7	44.9	48.8
		Port	Upper	100.0	56.2	6.0	34.0	29.1	13.4	16.8	21.3	32.3	45.8	62.4	80.2
		Trad	Lower	N	24.0	N	21.8	18.9	N	N	10.1	18.5	24.6	39.4	45.6
		Trad	Upper	N	71.6	N	42.6	37.0	15.9	17.6	22.2	46.5	N	N	N
Eyes symptoms at home	NA	All	Lower	95.0	27.9	0.6	23.1	17.6	3.2	9.2	12.9	19.5	28.6	40.8	47.5
		All	Upper	99.2	42.3	2.8	28.4	22.7	10.6	12.5	15.9	24.1	37.4	53.6	80.4
		Port	Lower	93.2	41.7	1.6	28.6	20.2	1.4	10.4	16.3	23.6	34.9	48.8	60.0
		Port	Upper	99.1	56.8	7.6	35.6	28.1	12.6	14.7	21.4	30.1	44.8	69.3	93.0
		Trad	Lower	95.2	17.2	0.0	19.3	15.4	2.9	8.8	11.8	15.1	24.0	33.1	37.7
		Trad	Upper	100.0	37.0	0.2	24.9	21.2	10.9	12.1	14.6	22.3	35.3	45.2	55.4
Classroom age (yrs)	<=10yr	All	Lower	92.5	36.0	0.9	27.1	18.9	0.3	11.5	13.7	21.6	33.7	49.2	58.9
		All	Upper	99.6	55.0	5.0	34.0	28.0	13.4	15.8	21.0	30.2	46.5	62.4	80.0
		Port	Lower	91.0	48.7	1.2	31.2	21.1	N	8.5	20.1	27.0	38.4	54.7	61.9
		Port	Upper	99.5	65.8	6.7	38.4	32.7	14.7	19.3	23.7	34.0	52.3	69.3	82.9
		Trad	Lower	94.0	0.0	0.0	15.3	12.4	N	7.8	12.0	12.3	15.4	19.9	21.8
		Trad	Upper	100.0	28.1	0.6	23.0	21.2	13.4	13.5	17.0	20.2	28.4	38.3	43.4

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Classroom age (yrs)	11-20yr	All	Lower	91.0	34.4	0.0	26.5	20.7	3.0	6.8	15.0	23.4	33.6	45.4	48.8
		All	Upper	100.0	63.1	8.5	41.7	34.3	14.5	17.8	23.9	35.6	61.6	63.5	N
		Port	Lower	92.0	36.5	0.0	26.4	20.2	3.4	7.1	14.8	23.1	34.1	46.3	48.8
		Port	Upper	100.0	60.2	11.6	39.5	32.5	15.1	17.6	22.5	33.8	47.2	N	N
		Trad	Lower	80.3	8.7	N	17.2	16.2	N	N	7.1	21.5	24.8	25.2	26.9
		Trad	Upper	100.0	90.9	N	57.1	54.6	24.8	25.4	N	N	N	N	N
Classroom age (yrs)	21-30yr	All	Lower	91.5	0.7	0.0	16.3	11.7	N	7.9	13.3	14.2	18.6	20.3	22.5
		All	Upper	100.0	13.8	3.1	24.0	21.1	13.7	15.3	17.3	20.2	23.1	40.0	63.7
		Port	Lower	92.0	0.0	0.0	14.0	12.4	N	2.0	11.4	15.8	20.7	21.5	22.7
		Port	Upper	100.0	31.8	13.4	39.6	26.9	12.7	15.0	17.4	21.4	41.6	N	N
		Trad	Lower	90.1	0.0	N	15.5	10.5	N	0.7	12.9	13.9	16.4	19.7	20.0
		Trad	Upper	100.0	11.2	N	20.9	21.6	N	14.9	18.2	20.1	21.9	31.2	40.9
Classroom age (yrs)	31-40yr	All	Lower	92.9	21.8	N	20.9	15.0	N	2.2	11.7	18.6	24.9	36.8	37.4
		All	Upper	100.0	67.2	N	32.1	29.7	13.1	16.9	21.6	37.1	39.8	51.1	N
		Port	Lower	N	3.1	N	16.7	16.9	N	N	12.1	18.2	21.0	23.2	24.6
		Port	Upper	N	52.4	N	37.5	31.9	15.1	18.6	20.9	27.1	N	N	N
		Trad	Lower	91.5	21.7	N	19.9	13.7	N	1.1	10.1	17.6	23.2	35.5	36.6
		Trad	Upper	100.0	73.9	N	32.8	31.2	13.3	17.6	23.3	36.8	39.5	N	N
Classroom age (yrs)	41+yr	All	Lower	90.4	18.8	0.0	19.5	12.6	N	2.1	11.6	15.9	24.3	33.7	42.4
		All	Upper	100.0	49.1	0.9	31.8	27.8	12.1	14.4	18.3	26.8	46.8	65.3	65.4
		Port	Lower	N	13.4	N	23.7	23.6	N	N	N	N	N	N	N
		Port	Upper	N	100.0	N	69.0	71.2	N	N	N	N	N	N	N
		Trad	Lower	90.3	18.5	0.0	19.2	12.5	N	1.7	11.6	15.9	24.0	32.8	39.0
		Trad	Upper	100.0	48.9	0.9	31.7	27.7	12.2	14.0	18.2	26.7	48.6	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Classroom age (yrs)	0-3yr	All	Lower	91.1	36.4	0.0	26.0	17.3	N	10.7	11.9	20.7	33.3	46.0	57.2
		All	Upper	100.0	67.0	7.2	38.2	32.6	15.2	19.2	23.0	33.2	52.4	71.7	82.5
		Port	Lower	93.3	53.5	0.0	31.9	24.3	1.5	13.4	20.5	28.5	35.1	53.6	59.9
		Port	Upper	100.0	77.8	9.1	42.3	36.2	18.7	21.2	28.1	36.5	59.0	72.7	83.8
		Trad	Lower	80.2	N	N	10.3	5.4	N	N	N	N	N	N	N
		Trad	Upper	100.0	N	N	16.9	20.1	12.5	12.9	13.7	14.2	18.0	20.5	21.4
Classroom age (yrs)	4-5yr	All	Lower	95.1	50.1	0.0	30.5	26.5	N	10.6	19.7	29.2	37.8	47.6	50.3
		All	Upper	100.0	77.1	9.2	41.4	36.4	19.6	21.3	30.7	38.7	50.5	64.2	N
		Port	Lower	94.3	46.6	0.0	30.1	26.4	N	10.9	19.4	25.4	N	N	N
		Port	Upper	100.0	73.2	10.6	42.3	36.8	19.6	20.9	26.7	N	N	N	N
		Trad	Lower	N	62.8	N	23.9	19.1	N	N	N	N	N	N	N
		Trad	Upper	N	100.0	N	45.0	48.6	N	N	N	N	N	N	N
Classroom age (yrs)	6-10yr	All	Lower	85.5	11.2	0.0	20.1	11.6	N	0.2	13.3	18.4	22.1	29.0	37.0
		All	Upper	100.0	35.2	2.5	28.5	26.0	14.0	16.7	19.8	24.1	34.2	59.8	64.1
		Port	Lower	74.3	22.3	0.0	22.0	8.2	N	N	N	N	N	38.6	46.7
		Port	Upper	100.0	55.8	4.1	35.9	34.9	N	N	N	30.9	57.3	62.2	N
		Trad	Lower	N	0.0	0.0	16.3	15.6	N	N	11.9	13.5	16.9	N	N
		Trad	Upper	N	12.1	1.1	21.2	20.6	14.4	17.0	19.5	20.0	23.5	27.6	30.3
Classroom age (yrs)	11-15yr	All	Lower	89.4	30.7	0.0	25.9	19.8	N	5.3	13.1	22.6	33.3	44.6	47.4
		All	Upper	100.0	66.9	11.0	44.7	37.3	14.5	17.7	24.9	42.7	62.2	N	N
		Port	Lower	90.9	33.6	0.0	25.5	19.2	N	6.3	13.1	22.4	33.6	44.8	48.4
		Port	Upper	100.0	65.6	15.2	42.0	35.1	15.0	17.1	23.0	34.1	47.8	90.7	N
		Trad	Lower	76.2	0.0	N	16.5	15.0	N	N	6.1	15.5	24.2	24.9	25.0
		Trad	Upper	100.0	96.1	N	61.7	62.0	28.8	N	N	N	N	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Classroom age (yrs)	16+yr	All	Lower	93.5	19.7	0.0	21.1	15.0	N	8.4	12.1	18.1	24.0	37.4	44.4
		All	Upper	100.0	39.7	1.1	28.1	23.2	11.6	13.4	17.4	22.2	38.1	61.3	68.5
		Port	Lower	94.8	16.2	0.0	22.4	17.8	N	9.1	13.8	19.2	23.6	38.9	48.9
		Port	Upper	100.0	43.0	5.4	34.9	26.9	12.9	15.8	19.4	24.0	49.0	64.6	N
		Trad	Lower	92.9	18.7	0.0	20.1	14.2	N	8.2	11.6	17.3	22.9	35.4	39.6
		Trad	Upper	100.0	40.8	0.5	27.6	23.1	11.6	13.7	17.2	22.0	38.1	N	N
Classroom age (known/unknown)	Known	All	Lower	94.1	29.5	0.8	24.7	17.8	2.2	10.0	13.6	20.2	30.6	45.4	53.3
		All	Upper	98.8	44.3	2.9	30.8	24.4	11.1	13.2	18.1	24.3	40.6	63.2	90.0
		Port	Lower	93.4	42.6	1.8	29.9	21.7	3.7	10.5	17.9	24.1	36.9	52.6	63.4
		Port	Upper	98.8	55.9	6.8	36.5	29.1	12.5	15.7	21.4	31.2	47.8	67.4	96.8
		Trad	Lower	93.4	18.7	0.0	20.5	14.9	N	8.8	12.0	17.4	23.7	37.1	40.3
		Trad	Upper	100.0	38.8	0.4	28.0	22.8	11.4	12.9	16.3	21.8	38.7	60.8	65.3
Classroom age (known/unknown)	Unknown	All	Lower	95.1	21.9	0.0	21.5	16.2	2.5	8.0	11.4	18.0	26.2	39.0	46.1
		All	Upper	99.7	39.7	2.6	27.3	22.4	10.1	12.2	16.3	25.5	35.8	51.4	69.2
		Port	Lower	94.0	38.8	0.0	27.3	20.6	1.6	9.9	16.5	23.1	34.0	44.5	52.8
		Port	Upper	100.0	58.9	7.9	35.1	29.6	14.3	16.2	22.4	31.2	45.1	61.1	82.4
		Trad	Lower	94.5	12.0	0.0	18.1	13.8	0.8	7.0	9.1	14.1	23.3	29.9	34.6
		Trad	Upper	100.0	32.7	0.1	24.4	20.7	10.4	11.4	14.5	24.3	32.2	46.7	53.3
Major renovations/additions	Yes	All	Lower	91.7	23.1	0.0	21.2	14.2	N	9.6	11.8	18.3	26.0	37.7	43.0
		All	Upper	99.4	43.2	0.6	27.7	22.8	10.7	13.3	17.9	23.4	37.7	53.1	63.5
		Port	Lower	91.1	29.2	0.0	24.0	17.1	1.9	9.1	14.5	21.6	30.3	41.9	45.2
		Port	Upper	100.0	51.0	1.4	31.5	27.7	14.2	16.7	21.6	27.4	42.8	57.0	63.0
		Trad	Lower	90.7	19.0	0.0	19.7	12.7	N	8.8	12.2	16.5	22.9	33.2	39.4
		Trad	Upper	100.0	43.0	0.5	27.2	22.6	11.6	13.5	17.1	22.7	37.0	52.5	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Major renovations/additions	No	All	Lower	95.4	28.5	1.1	25.0	19.2	5.1	8.7	13.2	20.4	30.6	46.9	54.4
		All	Upper	99.1	42.8	3.8	31.1	24.4	10.6	12.9	17.4	24.9	41.9	63.2	89.0
		Port	Lower	93.7	43.5	2.4	30.9	22.4	2.8	12.1	18.1	24.7	38.0	54.5	66.1
		Port	Upper	98.9	57.4	8.3	37.2	29.7	12.7	15.6	21.7	31.4	48.5	71.0	99.5
		Trad	Lower	96.1	13.2	0.0	18.9	15.9	4.9	7.9	11.2	15.3	22.9	32.8	39.7
		Trad	Upper	100.0	33.4	0.1	27.2	22.0	10.3	12.2	15.0	21.7	36.0	59.4	N
Addition/wall/floor renovations	Yes	All	Lower	83.7	17.5	0.0	18.6	9.3	N	N	10.8	16.1	21.7	32.4	38.6
		All	Upper	100.0	46.6	0.9	30.7	25.7	13.7	14.4	17.6	24.6	43.8	63.0	64.4
		Port	Lower	97.5	36.2	0.0	24.7	22.2	4.1	10.3	17.9	21.9	30.9	33.5	37.0
		Port	Upper	100.0	64.5	4.6	38.1	32.6	19.2	20.1	22.3	33.4	56.9	61.3	N
		Trad	Lower	80.2	10.7	N	15.9	7.3	N	N	N	N	N	N	N
		Trad	Upper	100.0	44.7	N	30.2	25.0	N	N	N	N	N	N	N
Addition/wall/floor renovations	No	All	Lower	95.8	28.7	0.8	24.5	18.9	4.4	9.4	13.0	20.4	30.4	44.1	53.5
		All	Upper	98.9	41.6	2.8	29.5	23.5	10.1	12.5	17.2	24.1	38.1	59.1	89.1
		Port	Lower	93.5	41.7	1.9	29.8	21.6	3.2	10.8	17.6	24.0	37.8	52.5	62.9
		Port	Upper	98.4	53.7	6.8	35.3	27.9	12.0	15.2	21.1	29.4	46.3	65.7	95.3
		Trad	Lower	96.5	18.0	0.0	20.3	16.6	3.5	8.7	11.9	17.0	24.4	35.5	40.3
		Trad	Upper	99.9	35.5	0.3	26.3	21.8	10.5	12.1	14.7	22.0	36.0	54.2	62.1
HVAC or lighting renovations	Yes	All	Lower	89.7	22.9	0.0	20.3	12.6	N	0.6	11.9	16.6	25.7	36.9	41.7
		All	Upper	99.4	46.9	0.5	28.1	22.7	10.8	13.2	17.2	25.0	38.7	54.7	60.7
		Port	Lower	88.1	21.5	N	21.5	14.1	N	0.7	12.9	19.4	25.4	34.3	41.5
		Port	Upper	100.0	48.5	N	30.1	27.4	16.0	17.8	21.2	26.1	41.2	52.7	N
		Trad	Lower	88.5	20.9	0.0	19.3	11.4	N	N	11.4	16.1	23.5	33.2	39.3
		Trad	Upper	100.0	48.8	0.7	28.2	23.0	11.2	12.4	16.8	26.0	38.6	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
HVAC or lighting renovations	No	All	Lower	95.9	27.8	1.0	24.9	19.5	4.4	9.0	13.4	20.4	30.1	46.6	53.7
		All	Upper	99.2	41.3	3.4	30.6	24.3	10.6	13.0	17.7	24.0	40.5	63.0	83.7
		Port	Lower	94.1	44.1	2.3	30.8	22.8	4.2	11.6	18.2	24.8	38.3	54.2	65.5
		Port	Upper	98.8	57.0	7.6	36.9	29.5	12.2	15.5	21.8	31.2	48.2	70.0	98.3
		Trad	Lower	96.7	13.0	0.0	19.3	16.4	3.7	8.1	12.1	15.7	22.5	33.0	38.9
		Trad	Upper	100.0	31.0	0.1	26.5	21.8	10.6	12.5	14.9	21.5	34.7	N	N
Roof renovations	Yes	All	Lower	96.7	16.1	0.0	20.4	17.6	4.2	10.7	14.0	18.3	22.6	30.9	35.7
		All	Upper	100.0	45.6	0.9	29.5	25.5	14.0	14.9	19.8	24.0	38.4	N	N
		Port	Lower	96.2	22.4	N	22.1	19.8	3.1	7.5	13.3	18.7	24.4	32.6	34.0
		Port	Upper	100.0	57.1	N	30.6	28.1	18.3	19.1	21.9	31.7	42.3	45.7	N
		Trad	Lower	96.3	11.7	0.0	19.2	16.6	3.6	10.7	13.2	17.1	21.5	28.4	30.6
		Trad	Upper	100.0	46.1	1.0	30.0	25.8	14.0	15.6	19.8	24.5	36.8	60.7	63.3
Roof renovations	No	All	Lower	93.8	29.1	0.8	24.3	17.2	1.2	8.6	12.7	20.2	30.6	46.1	54.3
		All	Upper	98.4	42.0	2.9	29.8	23.0	9.7	12.2	16.6	24.4	40.3	60.6	77.1
		Port	Lower	93.4	42.4	2.1	30.2	21.7	2.9	11.0	17.7	24.3	38.1	53.9	65.1
		Port	Upper	98.4	55.1	7.0	36.1	28.5	12.2	15.5	21.2	30.2	47.3	68.8	95.6
		Trad	Lower	93.0	17.8	0.0	19.5	13.9	N	7.7	11.6	15.2	23.5	36.3	42.4
		Trad	Upper	99.5	34.8	0.1	26.0	20.7	9.8	11.7	14.3	21.0	36.2	55.1	N
Classroom size (sq. ft.)	<600	All	Lower	95.3	9.6	0.0	19.7	15.9	0.8	10.6	13.9	16.3	20.2	26.0	39.0
		All	Upper	100.0	37.9	2.2	28.6	24.0	14.7	16.2	18.8	24.7	41.5	50.1	64.1
		Port	Lower	82.4	33.0	0.0	23.3	10.3	N	N	N	21.6	28.9	40.6	43.5
		Port	Upper	100.0	63.0	8.8	38.9	34.0	N	N	23.7	37.3	49.0	69.6	N
		Trad	Lower	N	1.0	N	17.3	16.6	N	9.7	12.4	16.2	17.1	19.9	23.5
		Trad	Upper	N	30.3	N	26.4	23.6	16.2	16.3	18.5	20.4	39.4	48.1	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Classroom size (sq. ft.)	600-1100	All	Lower	96.3	30.9	0.5	25.0	20.1	5.3	10.3	13.4	20.6	30.9	45.5	53.8
		All	Upper	99.6	46.2	2.6	31.5	25.9	11.3	13.5	19.0	25.3	41.5	62.9	86.0
		Port	Lower	93.7	38.6	0.9	28.3	21.6	5.0	10.1	17.2	23.0	34.8	48.5	57.4
		Port	Upper	99.0	52.3	5.5	34.4	28.3	12.8	15.5	20.5	28.8	45.1	60.2	82.1
		Trad	Lower	98.2	22.1	0.0	21.4	18.4	4.7	9.8	11.9	18.9	25.5	N	N
		Trad	Upper	100.0	43.9	0.5	30.1	25.0	11.3	12.8	18.3	24.7	N	N	N
Classroom size (sq. ft.)	>1100	All	Lower	89.6	21.5	0.2	21.1	12.6	N	0.8	10.4	15.5	26.4	38.2	44.7
		All	Upper	98.9	41.2	3.6	27.9	21.5	8.8	12.3	14.9	25.2	38.7	52.9	69.9
		Port	Lower	94.2	51.2	1.1	31.4	22.4	N	11.4	19.1	27.7	37.1	54.3	62.4
		Port	Upper	100.0	70.3	13.0	42.4	35.0	15.0	20.3	26.1	36.1	58.5	80.5	90.7
		Trad	Lower	86.9	8.7	0.0	16.6	9.6	N	N	N	N	N	27.7	33.8
		Trad	Upper	99.3	32.6	0.1	23.4	19.0	N	N	N	N	35.2	40.9	47.4
Outdoor damper min setting	<=10%	All	Lower	N	10.0	0.0	21.1	20.0	N	11.4	14.3	19.8	20.7	28.5	32.6
		All	Upper	N	47.4	1.2	27.0	25.0	18.7	18.8	20.3	24.8	36.5	39.3	46.4
		Port	Lower	N	17.2	0.0	22.5	20.9	N	N	14.9	18.8	23.5	31.4	32.2
		Port	Upper	N	52.5	2.4	28.7	26.7	18.7	18.8	19.9	30.7	33.8	41.1	53.2
		Trad	Lower	N	0.0	N	18.1	17.8	N	N	12.4	15.8	N	N	N
		Trad	Upper	N	49.9	N	27.0	25.3	20.0	20.1	20.4	26.1	N	N	N
Outdoor damper min setting	11-20%	All	Lower	91.9	17.6	0.0	20.1	14.2	N	9.8	11.8	17.8	22.7	31.8	37.2
		All	Upper	100.0	41.6	3.7	29.7	23.8	11.9	14.1	18.7	22.8	36.2	60.2	64.3
		Port	Lower	95.3	28.8	0.0	24.1	21.9	10.1	11.7	16.4	22.6	31.1	35.4	42.8
		Port	Upper	100.0	54.8	10.9	38.0	30.3	15.1	19.1	22.3	30.9	42.6	N	N
		Trad	Lower	89.2	7.8	N	15.8	10.8	N	N	N	N	N	N	29.6
		Trad	Upper	100.0	39.0	N	27.7	22.1	N	N	N	N	35.5	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
Outdoor damper min setting	21-40%	All	Lower	N	0.0	N	11.9	10.8	N	N	N	N	N	22.0	24.1
		All	Upper	N	28.5	N	28.9	28.3	16.4	19.9	24.4	25.2	35.6	44.3	46.3
		Port	Lower	N	0.0	N	19.9	19.5	N	N	N	17.0	21.9	23.9	25.2
		Port	Upper	N	52.7	N	32.0	30.6	N	21.1	22.0	28.8	36.7	N	N
		Trad	Lower	N	0.0	N	7.7	8.3	N	N	N	N	N	N	N
		Trad	Upper	N	23.3	N	29.3	29.1	N	24.4	24.7	25.2	25.7	N	N
Outdoor damper min setting	>40%	All	Lower	91.5	27.3	0.0	18.6	11.8	N	5.5	6.1	6.9	27.5	32.0	38.2
		All	Upper	100.0	86.2	24.7	50.0	47.9	N	N	31.4	47.9	63.3	N	N
		Port	Lower	78.5	40.4	0.0	30.3	15.4	N	N	8.8	25.2	39.1	60.6	N
		Port	Upper	100.0	72.9	50.0	55.8	56.4	N	N	N	63.5	N	N	N
		Trad	Lower	N	8.8	N	9.5	8.7	N	N	N	N	N	11.8	N
		Trad	Upper	N	100.0	N	45.4	46.6	N	N	N	N	N	N	N
Outdoor damper min setting	Unknown	All	Lower	92.7	27.4	0.6	23.7	16.4	N	8.6	12.8	18.9	29.2	44.5	52.5
		All	Upper	98.5	43.0	2.8	29.7	23.2	10.1	13.0	17.0	24.2	39.8	60.9	87.2
		Port	Lower	91.0	42.9	1.4	29.5	19.4	0.2	7.5	16.4	24.3	38.7	52.1	63.2
		Port	Upper	98.1	57.6	6.7	36.3	28.2	11.2	14.7	21.5	31.5	48.3	69.3	89.6
		Trad	Lower	92.4	15.8	0.0	19.0	13.8	N	7.5	12.2	15.6	22.8	33.4	39.3
		Trad	Upper	100.0	35.6	0.5	26.5	21.9	11.3	12.9	15.4	21.7	35.5	57.6	N
New pressed wood last yr	Yes	All	Lower	95.7	33.3	0.2	26.2	20.1	3.6	10.8	13.9	20.3	32.2	51.2	57.8
		All	Upper	100.0	57.3	4.7	35.5	29.3	12.2	14.2	19.8	31.7	55.0	64.3	67.8
		Port	Lower	95.2	47.2	0.6	31.5	25.2	5.6	10.2	17.8	26.2	41.1	55.8	62.5
		Port	Upper	99.9	66.9	11.6	40.0	33.5	12.9	17.3	24.4	35.1	55.5	79.7	86.0
		Trad	Lower	94.9	21.2	N	20.6	16.2	N	9.3	13.0	17.4	23.9	33.1	43.8
		Trad	Upper	100.0	53.6	N	34.6	28.6	13.2	14.5	18.6	29.6	58.9	N	N

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
New pressed wood last yr	No	All	Lower	92.9	21.2	0.3	21.4	15.0	N	8.3	12.0	18.6	25.3	38.9	46.2
		All	Upper	98.9	35.6	2.2	27.7	21.6	9.9	11.9	15.8	22.8	36.3	53.5	82.8
		Port	Lower	91.3	36.3	0.9	27.5	19.2	1.0	8.2	17.3	23.2	34.6	46.6	55.9
		Port	Upper	98.9	51.8	6.0	35.8	28.3	13.7	16.3	21.8	28.2	45.2	66.0	97.2
		Trad	Lower	92.5	11.7	0.0	17.9	12.6	N	7.4	10.7	14.2	21.6	29.8	37.4
		Trad	Upper	100.0	28.6	0.4	23.8	19.6	10.1	11.5	14.1	20.6	30.2	47.6	N
New pressed wood last yr	DK	All	Lower	91.6	21.0	0.0	22.8	17.4	0.4	8.4	14.7	18.9	26.5	35.2	38.3
		All	Upper	100.0	60.0	3.1	32.8	29.3	14.9	16.9	21.4	36.8	40.1	52.7	70.8
		Port	Lower	94.9	28.2	0.0	23.9	18.8	N	10.8	16.1	19.7	30.7	34.5	40.2
		Port	Upper	100.0	58.2	7.3	35.6	30.5	16.8	18.1	19.9	31.5	49.0	67.0	N
		Trad	Lower	88.0	8.9	0.0	20.1	15.6	0.3	4.3	12.3	15.3	22.3	26.4	N
		Trad	Upper	100.0	68.4	0.5	32.7	30.1	14.9	17.2	24.1	37.2	39.6	47.2	52.8
New carpet past yr	Yes	All	Lower	98.9	29.8	0.0	26.0	22.4	6.9	10.3	16.0	20.6	31.1	45.4	54.8
		All	Upper	100.0	55.1	8.7	37.3	30.9	13.9	17.1	20.8	30.8	59.0	68.1	87.6
		Port	Lower	97.7	43.6	0.0	31.1	27.1	9.0	15.7	18.8	24.1	37.2	52.4	62.1
		Port	Upper	100.0	67.9	17.1	43.4	36.6	20.1	20.9	24.3	37.4	61.7	86.5	95.2
		Trad	Lower	N	7.7	N	16.4	16.4	N	N	11.7	15.8	20.5	26.0	30.0
		Trad	Upper	N	50.9	N	35.9	29.4	13.1	15.4	18.8	26.9	N	N	N
New carpet past yr	No	All	Lower	93.9	26.8	0.5	23.3	16.8	2.0	8.9	12.7	20.0	29.0	41.9	51.0
		All	Upper	98.4	40.1	1.9	28.4	22.2	9.9	12.1	16.2	23.4	38.2	56.6	82.1
		Port	Lower	92.8	39.4	1.2	28.4	20.3	2.3	9.7	16.8	23.4	35.6	49.5	57.9
		Port	Upper	98.2	52.9	5.1	34.4	27.1	12.2	14.3	20.9	28.9	45.5	61.0	85.9
		Trad	Lower	93.7	18.4	0.0	20.0	14.6	N	8.2	11.9	16.4	24.3	35.4	40.9
		Trad	Upper	99.3	35.0	0.3	25.8	20.8	10.2	11.9	14.6	21.5	35.1	53.8	61.6

Variable Description	Category	Room Type	Conf. Limit	% > LOD	% > 27ppb	% > 76ppb	Mean	Geom. Mean	P05	P10	P25	P50	P75	P90	P95
New flooring past yr	Yes	All	Lower	99.0	29.3	0.1	24.9	21.2	5.8	10.7	13.1	20.0	30.7	43.4	54.4
		All	Upper	100.0	52.1	5.8	33.9	28.4	13.1	14.9	20.1	28.6	47.9	64.4	79.3
		Port	Lower	97.6	43.4	0.6	31.0	26.3	7.3	15.4	18.8	24.1	36.4	53.3	63.7
		Port	Upper	100.0	64.3	14.2	41.1	34.3	19.0	20.5	23.5	34.1	57.1	81.1	92.4
		Trad	Lower	N	15.0	N	18.8	17.4	N	N	N	N	21.1	32.1	34.9
		Trad	Upper	N	49.2	N	31.4	26.5	N	N	N	27.4	47.5	N	N
New flooring past yr	No	All	Lower	94.4	26.7	0.5	23.6	17.0	0.8	8.4	13.5	20.4	28.4	41.1	47.8
		All	Upper	99.5	42.1	2.5	29.4	23.7	10.5	12.7	18.5	24.3	39.2	54.1	81.9
		Port	Lower	95.0	41.1	1.3	29.7	22.9	4.5	12.9	18.4	23.8	36.8	49.3	57.3
		Port	Upper	99.2	57.2	6.6	37.2	30.0	14.0	16.1	22.4	31.7	47.4	62.4	94.0
		Trad	Lower	93.3	16.9	0.0	19.9	13.9	N	7.6	11.0	17.9	24.5	34.3	39.7
		Trad	Upper	100.0	36.1	0.5	25.7	21.6	10.1	12.1	15.8	22.4	36.7	48.6	N
New flooring past yr	DK	All	Lower	86.4	14.3	0.0	17.6	11.8	N	1.5	11.5	14.0	20.7	33.7	41.6
		All	Upper	98.4	43.3	1.1	30.5	22.8	10.1	13.5	16.5	24.1	49.3	63.3	63.5
		Port	Lower	82.2	25.2	0.0	21.4	11.6	N	0.4	10.3	18.0	28.4	39.3	47.3
		Port	Upper	99.1	51.0	2.7	30.8	25.3	10.7	13.1	18.0	28.4	43.3	57.4	61.5
		Trad	Lower	86.4	2.8	N	13.3	10.5	N	2.2	10.3	11.6	16.3	21.5	23.9
		Trad	Upper	100.0	42.3	N	32.1	24.1	13.1	13.5	16.0	23.0	N	N	N

APPENDIX F

Comparison of Formaldehyde Concentration
Levels in Portable and Traditional Classrooms

Appendix F provides statistical tests for various population subsets that compare the distributions of formaldehyde levels in portable and traditional classrooms. Tests are provided for the following null hypotheses:

- (1) Geometric mean (portable) = Geometric mean (traditional)
- (2) % Pop. > 27 ppb (portable) = % Pop > 27 ppb (traditional)
- (3) % Pop. > 76 ppb (portable) = % Pop > 76 ppb (traditional)

Hypothesis (1) is tested by employing a t test of form

$$t = \frac{d}{\text{s.e.}(d)},$$

where

d = estimated mean of $\ln(\text{H}_2\text{CO concentration})$ for portable classrooms minus estimated mean of $\ln(\text{H}_2\text{CO concentration})$ for traditional classrooms, and s.e.(d) = the estimated standard error of d. The table shows the value of d (labeled “diff in log-scale mean”), the s.e.(d) value (labeled “std. error”), the t value, and the associated p-value. Hypotheses (2) and (3) are tested in an analogous manner, but d is defined as

d = estimated percent of portable classrooms with H_2CO levels > 27 ppm (or 75 ppb) minus estimated percent of traditional classrooms with H_2CO levels > 27 ppm (or 76 ppb).

SAS code for constructing the variable “<25% non-weekday in samp period” is given on page C-10. The logic for constructing this variable (denoted as Z^* below) is as follows:

Y = number of days in sampling period = stop date – start date,

X = 0.5 [start date = weekend or holiday]
 +0.5 [stop date = weekend or holiday]

+ number of weekend days or holidays between (start date + 1) and (stop date – 1), inclusive,

Z = $100 \left(\frac{X}{Y} \right)$ = percent of non-weekday days in sampling period,

$Z^* = \begin{cases} \text{yes, if } Z < 25\% \\ \text{no, if } Z \geq 25\% \end{cases}$.

Tests for Differences in Formaldehyde Levels for Portable vs. Traditional Classrooms

Variable Description	Category	n	Est. No. Classrms	Diff in Log-Scale Mean	Std. Error	t Value	p Value	Diff in % Pop With Level >27ppb	Std. Error	t Value	p Value	Diff in % Pop With Level >76ppb	Std. Error	t Value	p Value
All classrooms	All	911	230156	0.302	0.077	3.90	0.000	21.4	3.8	5.67	0.000	3.6	1.0	3.70	0.000
School location	Urban	147	40824	0.274	0.150	1.82	0.069	21.6	8.8	2.45	0.015	1.1	0.8	1.31	0.190
School location	Suburb	684	173419	0.304	0.096	3.17	0.002	21.1	4.5	4.73	0.000	4.3	1.2	3.49	0.001
School location	Rural	80	15913	0.369	0.120	3.07	0.002	24.3	10.7	2.27	0.024	1.0	0.8	1.28	0.202
Geographic region	North	397	86702	0.379	0.119	3.18	0.002	30.1	4.2	7.08	0.000	1.7	0.7	2.26	0.024
Geographic region	South	514	143454	0.259	0.100	2.58	0.010	16.3	5.4	3.05	0.003	4.8	1.5	3.22	0.001
School type	Elem	592	119045	0.287	0.087	3.28	0.001	21.6	4.4	4.93	0.000	2.9	1.2	2.47	0.014
School type	Middle	149	46772	0.133	0.145	0.91	0.363	24.7	6.4	3.86	0.000	2.8	1.6	1.72	0.087
School type	High	170	64339	0.414	0.179	2.31	0.021	14.8	9.1	1.63	0.104	5.9	2.8	2.13	0.034
Month of formaldehyde sample	April	241	70689	0.270	0.133	2.03	0.043	25.6	5.7	4.52	0.000	0.0	0.0	N	N
Month of formaldehyde sample	May	471	111745	0.368	0.126	2.92	0.004	22.1	5.1	4.36	0.000	5.0	1.5	3.23	0.001
Month of formaldehyde sample	June/July	199	47722	0.103	0.100	1.03	0.302	7.2	8.8	0.82	0.412	5.0	2.6	1.95	0.052
Time of formaldehyde sample	Early_April	64	14554	0.018	0.213	0.08	0.934	8.9	4.7	1.89	0.060	0.0	0.0	N	N
Time of formaldehyde sample	Late_April	177	56135	0.335	0.156	2.14	0.033	29.9	6.8	4.38	0.000	0.0	0.0	N	N
Time of formaldehyde sample	Early_May	219	50538	0.232	0.140	1.65	0.100	12.4	8.0	1.56	0.120	4.5	2.2	2.02	0.045
Time of formaldehyde sample	Late_May	252	61207	0.484	0.193	2.51	0.013	30.3	5.9	5.11	0.000	5.3	2.1	2.52	0.012
Time of formaldehyde sample	June/July	195	47116	0.097	0.100	0.96	0.336	6.5	8.9	0.73	0.464	5.0	2.6	1.95	0.052
<25% non-weekday in samp period	Yes	475	127884	0.260	0.095	2.75	0.006	20.2	5.2	3.86	0.000	3.0	1.3	2.29	0.023
<25% non-weekday in samp period	No	432	101666	0.345	0.131	2.63	0.009	22.2	5.6	3.99	0.000	4.2	1.5	2.90	0.004
General instruction classroom	Yes	744	188161	0.360	0.095	3.79	0.000	21.8	4.2	5.14	0.000	3.3	0.9	3.64	0.000
General instruction classroom	No	93	39852	0.328	0.160	2.05	0.041	22.2	12.8	1.73	0.085	5.9	4.1	1.42	0.155
Carpeted classroom	Full	528	111611	0.400	0.161	2.48	0.014	20.1	6.7	3.00	0.003	3.7	1.1	3.26	0.001
Carpeted classroom	Partial	221	58271	0.322	0.168	1.92	0.056	26.7	6.8	3.95	0.000	2.3	1.3	1.72	0.087
Carpeted classroom	None	95	60274	0.405	0.167	2.43	0.016	23.8	12.9	1.85	0.066	6.1	4.8	1.28	0.201
Vinyl/linoleum floor	Yes	305	109034	0.334	0.127	2.62	0.009	27.8	6.4	4.33	0.000	3.3	1.6	2.02	0.044

Variable Description	Category	n	Est. No. Classrms	Diff in Log-Scale Mean	Std. Error	t Value	p Value	Diff in % Pop With Level >27ppb	Std. Error	t Value	p Value	Diff in % Pop With Level >76ppb	Std. Error	t Value	p Value
Vinyl/linoleum floor	No	539	121122	0.330	0.145	2.29	0.023	15.5	6.6	2.35	0.019	3.7	1.1	3.28	0.001
Vinyl tackable wallboard	Yes	541	109990	0.162	0.146	1.11	0.268	14.7	7.9	1.87	0.062	3.0	1.0	3.11	0.002
Vinyl tackable wallboard	No	292	116536	0.444	0.125	3.56	0.000	22.8	6.9	3.33	0.001	4.7	2.6	1.81	0.071
Open windows	Never	145	59295	0.283	0.187	1.51	0.131	22.2	9.1	2.45	0.015	3.7	2.0	1.86	0.064
Open windows	Infrequent	447	102420	0.321	0.159	2.02	0.045	17.2	6.3	2.71	0.007	3.7	1.2	3.15	0.002
Open windows	Frequent	238	61938	0.364	0.115	3.16	0.002	20.6	8.8	2.33	0.020	3.3	1.9	1.75	0.082
Open door to outside	Infreq	427	105524	0.374	0.112	3.35	0.001	14.9	6.2	2.40	0.017	4.8	1.6	2.93	0.004
Open door to outside	Freq	356	87860	0.034	0.120	0.28	0.778	19.9	7.2	2.78	0.006	2.0	1.0	2.03	0.043
Open door to outside	NA	36	29830	1.705	0.437	3.90	0.000	83.6	8.1	10.33	0.000	62.6	28.7	2.18	0.030
Pressed wood furniture	Yes	769	203508	0.273	0.090	3.04	0.003	19.8	4.3	4.59	0.000	2.6	0.7	3.53	0.000
Pressed wood furniture	No	75	26648	0.653	0.263	2.48	0.014	29.1	14.4	2.03	0.044	13.1	6.8	1.92	0.056
Pressed wood table/desks	Yes	681	180549	0.301	0.101	2.97	0.003	19.8	4.7	4.18	0.000	2.4	0.8	3.19	0.002
Pressed wood table/desks	No	163	49607	0.387	0.169	2.29	0.023	24.7	9.6	2.58	0.010	9.0	3.9	2.30	0.022
Pressed wood bookcases	Yes	492	123865	0.302	0.113	2.66	0.008	20.9	5.6	3.72	0.000	2.2	0.8	2.89	0.004
Pressed wood bookcases	No	352	106291	0.301	0.131	2.29	0.023	19.4	6.5	2.98	0.003	5.4	1.9	2.85	0.005
Pressed wood cabinets	Yes	403	103903	0.422	0.149	2.84	0.005	29.8	6.7	4.43	0.000	2.6	1.0	2.68	0.008
Pressed wood cabinets	No	441	126253	0.210	0.099	2.13	0.034	12.3	5.7	2.15	0.032	4.5	1.5	2.94	0.003
New furnishings this school yr	Yes	214	49215	0.485	0.141	3.44	0.001	30.2	8.3	3.64	0.000	4.0	2.2	1.80	0.072
New furnishings this school yr	No	591	169405	0.231	0.108	2.13	0.034	17.3	4.7	3.69	0.000	3.5	1.0	3.37	0.001
New furnishings this school yr	DK	28	8564	0.618	0.182	3.40	0.001	29.6	20.7	1.43	0.154	2.5	2.5	0.99	0.325
Type appliances in room	Stove/burnr	27	13483	0.207	0.347	0.60	0.551	27.1	23.2	1.17	0.243	8.7	8.1	1.07	0.283
Type appliances in room	Other	254	65172	0.040	0.142	0.28	0.778	20.1	8.3	2.42	0.016	1.4	0.7	2.07	0.039
Type appliances in room	None	475	125947	0.485	0.116	4.19	0.000	19.6	5.1	3.87	0.000	4.6	1.4	3.21	0.001
Chemical present in room	Yes	407	111686	0.318	0.104	3.05	0.002	26.8	6.0	4.45	0.000	4.2	1.4	3.02	0.003
Chemical present in room	No	437	118470	0.310	0.138	2.25	0.025	15.1	6.5	2.32	0.021	3.0	1.3	2.39	0.017
Oil/acrylic paints used	Yes	119	28768	0.313	0.288	1.09	0.278	43.8	9.6	4.55	0.000	10.2	3.9	2.61	0.010

Variable Description	Category	n	Est. No. Classrms	Diff in Log-Scale Mean	Std. Error	t Value	p Value	Diff in % Pop With Level >27ppb	Std. Error	t Value	p Value	Diff in % Pop With Level >76ppb	Std. Error	t Value	p Value
Oil/acrylic paints used	No	725	201387	0.306	0.084	3.63	0.000	17.1	4.3	3.95	0.000	2.6	0.9	2.83	0.005
Permanent marker/pen used	Yes	690	177758	0.273	0.076	3.61	0.000	22.2	4.6	4.86	0.000	2.9	0.8	3.74	0.000
Permanent marker/pen used	No	154	52398	0.395	0.247	1.60	0.111	15.5	10.3	1.50	0.134	5.7	3.1	1.86	0.064
Whiteboard marker used	Yes	713	188179	0.336	0.095	3.55	0.000	20.9	4.6	4.59	0.000	4.1	1.1	3.88	0.000
Whiteboard marker used	No	131	41977	0.162	0.162	1.00	0.319	17.9	10.5	1.70	0.090	0.4	0.3	1.30	0.194
Glues/fluids used	Yes	570	152451	0.242	0.078	3.12	0.002	21.2	5.3	4.01	0.000	2.8	0.8	3.49	0.001
Glues/fluids used	No	274	77705	0.427	0.180	2.37	0.018	19.3	6.5	2.96	0.003	4.9	2.2	2.30	0.022
Correction fluid used	Yes	526	140218	0.271	0.080	3.40	0.001	22.3	5.6	3.97	0.000	2.7	0.8	3.35	0.001
Correction fluid used	No	318	89938	0.362	0.163	2.22	0.027	17.7	6.2	2.87	0.004	4.8	1.9	2.49	0.013
Epoxy/rubber cement used	Yes	126	29778	0.069	0.148	0.46	0.644	13.1	11.4	1.14	0.255	4.3	2.7	1.60	0.111
Epoxy/rubber cement used	No	718	200378	0.339	0.090	3.78	0.000	21.8	4.4	4.90	0.000	3.4	1.0	3.53	0.000
Air freshener used	Yes	311	74849	0.037	0.110	0.34	0.736	17.9	8.0	2.26	0.025	2.2	0.9	2.57	0.011
Air freshener used	No	533	155307	0.439	0.108	4.06	0.000	20.8	4.8	4.29	0.000	4.3	1.4	3.16	0.002
Air freshener used - plug-in	Yes	161	36508	-0.008	0.161	-0.05	0.959	14.4	10.4	1.39	0.167	2.9	1.4	2.00	0.046
Air freshener used - plug-in	No	683	193648	0.379	0.088	4.30	0.000	21.7	4.5	4.77	0.000	3.7	1.1	3.47	0.001
Air freshener used - spray	Yes	172	45884	0.041	0.159	0.26	0.797	19.7	11.7	1.68	0.093	2.3	1.2	1.90	0.058
Air freshener used - spray	No	672	184271	0.372	0.099	3.74	0.000	20.3	4.5	4.47	0.000	3.9	1.1	3.46	0.001
New furnishings odor	Never	699	203163	0.279	0.089	3.13	0.002	17.1	4.5	3.79	0.000	3.4	1.0	3.29	0.001
New furnishings odor	Sometimes	102	19471	0.563	0.203	2.77	0.006	38.5	11.8	3.25	0.001	5.2	2.7	1.94	0.054
New furnishings odor	Often	17	2488	-0.036	0.122	-0.29	0.770	-26.9	12.2	-2.21	0.028	0.0	0.0	N	N
Construction activity this yr	Current	186	55860	0.241	0.147	1.64	0.102	12.6	9.9	1.28	0.201	3.2	1.5	2.11	0.035
Construction activity this yr	Previous	404	107657	0.401	0.144	2.78	0.006	17.2	6.3	2.74	0.007	4.6	1.6	2.84	0.005
Construction activity this yr	Never	227	58874	0.304	0.107	2.83	0.005	30.7	7.8	3.97	0.000	1.5	0.7	2.14	0.033
Construction activity this yr	Unknown	16	3686	-0.526	0.600	-0.88	0.381	43.2	14.8	2.93	0.004	0.0	0.0	N	N
Carpentry activity this yr	Yes	263	76690	0.255	0.137	1.86	0.064	10.0	8.5	1.17	0.241	3.1	1.8	1.78	0.076
Carpentry activity this yr	No	581	153465	0.339	0.108	3.14	0.002	25.8	4.7	5.49	0.000	3.7	1.1	3.30	0.001

Variable Description	Category	n	Est. No. Classrms	Diff in Log-Scale Mean	Std. Error	t Value	p Value	Diff in % Pop With Level >27ppb	Std. Error	t Value	p Value	Diff in % Pop With Level >76ppb	Std. Error	t Value	p Value
In-room construction this yr	Yes	117	34581	-0.046	0.218	-0.21	0.832	3.7	12.2	0.30	0.765	0.6	0.5	1.32	0.188
In-room construction this yr	No	721	195135	0.382	0.087	4.37	0.000	23.8	4.4	5.41	0.000	4.0	1.0	3.82	0.000
Other school construction this yr	Yes	568	157936	0.344	0.109	3.16	0.002	14.7	5.4	2.73	0.007	4.1	1.2	3.38	0.001
Other school construction this yr	No	276	72220	0.207	0.113	1.84	0.067	31.8	6.8	4.67	0.000	1.9	0.7	2.61	0.009
# teacher complaints in school yr	0	335	91495	0.264	0.160	1.65	0.100	14.7	6.2	2.39	0.017	4.1	1.4	2.85	0.005
# teacher complaints in school yr	1-5	430	115248	0.339	0.105	3.22	0.001	24.6	6.1	4.00	0.000	3.9	1.4	2.74	0.007
# teacher complaints in school yr	>5	62	19744	0.328	0.257	1.27	0.204	18.8	18.4	1.02	0.307	-1.3	1.8	-0.72	0.474
Overall air quality (teacher)	Excellent	132	36264	0.369	0.108	3.42	0.001	22.8	10.0	2.29	0.023	4.4	2.5	1.75	0.081
Overall air quality (teacher)	Good	307	85306	0.538	0.175	3.07	0.002	26.3	6.8	3.89	0.000	4.7	1.9	2.49	0.013
Overall air quality (teacher)	Adequate	277	75748	0.022	0.112	0.20	0.843	11.3	8.1	1.39	0.164	2.6	1.4	1.82	0.069
Overall air quality (teacher)	Poor	100	26212	0.246	0.217	1.14	0.257	22.3	12.0	1.86	0.064	3.2	2.1	1.51	0.132
Overall air quality (teacher)	Very_poor	17	4550	0.127	0.386	0.33	0.742	20.3	23.7	0.86	0.393	0.0	0.0	N	N
Nose symptoms past 2 weeks	None	342	101233	0.254	0.104	2.44	0.015	22.4	6.9	3.27	0.001	5.4	2.0	2.75	0.006
Nose symptoms past 2 weeks	Occasional	291	76978	0.442	0.189	2.33	0.020	18.1	6.8	2.66	0.008	3.3	1.4	2.33	0.021
Nose symptoms past 2 weeks	Frequent	194	48946	0.117	0.130	0.90	0.369	19.9	10.0	1.99	0.047	0.8	1.1	0.76	0.447
Nose symptoms at home	Same/worse	264	69745	0.519	0.202	2.57	0.011	25.5	7.1	3.56	0.000	2.3	0.9	2.48	0.014
Nose symptoms at home	Improves	166	43426	0.022	0.163	0.13	0.894	10.5	11.0	0.95	0.341	0.7	1.5	0.47	0.637
Nose symptoms at home	NA	342	101233	0.254	0.104	2.44	0.015	22.4	6.9	3.27	0.001	5.4	2.0	2.75	0.006
Throat symptoms past 2 weeks	None	436	125701	0.318	0.085	3.72	0.000	26.2	5.4	4.82	0.000	5.1	1.7	3.08	0.002
Throat symptoms past 2 weeks	Occasional	250	68293	0.179	0.156	1.15	0.251	12.8	8.3	1.55	0.122	1.6	0.9	1.91	0.058
Throat symptoms past 2 weeks	Frequent	129	26844	0.210	0.258	0.82	0.416	15.7	10.9	1.45	0.149	1.7	1.1	1.53	0.127
Throat symptoms at home	Same/worse	167	40813	0.522	0.213	2.45	0.015	14.6	9.7	1.51	0.133	1.7	1.0	1.73	0.084
Throat symptoms at home	Improves	167	42734	-0.151	0.175	-0.86	0.391	8.9	12.0	0.74	0.462	0.9	0.7	1.26	0.209
Throat symptoms at home	NA	436	125701	0.318	0.085	3.72	0.000	26.2	5.4	4.82	0.000	5.1	1.7	3.08	0.002
Eyes symptoms past 2 weeks	None	458	129615	0.278	0.105	2.64	0.009	22.1	6.1	3.62	0.000	4.5	1.5	2.98	0.003
Eyes symptoms past 2 weeks	Occasional	224	62270	0.348	0.126	2.75	0.006	20.2	8.7	2.32	0.021	1.5	1.0	1.49	0.137

Variable Description	Category	n	Est. No. Classrms	Diff in Log-Scale Mean	Std. Error	t Value	p Value	Diff in % Pop With Level >27ppb	Std. Error	t Value	p Value	Diff in % Pop With Level >76ppb	Std. Error	t Value	p Value
Eyes symptoms past 2 weeks	Frequent	121	30342	-0.037	0.158	-0.23	0.817	15.8	9.6	1.65	0.101	2.0	1.1	1.75	0.081
Eyes symptoms at home	Same/worse	158	49361	0.438	0.120	3.64	0.000	33.2	8.3	3.98	0.000	0.8	1.4	0.56	0.577
Eyes symptoms at home	Improves	139	34000	-0.137	0.202	-0.68	0.498	-4.1	12.9	-0.32	0.752	2.9	1.6	1.85	0.066
Eyes symptoms at home	NA	458	129615	0.278	0.105	2.64	0.009	22.1	6.1	3.62	0.000	4.5	1.5	2.98	0.003
Classroom age (yrs)	<=10yr	273	44801	0.482	0.152	3.17	0.002	43.5	8.0	5.46	0.000	3.8	1.4	2.72	0.007
Classroom age (yrs)	11-20yr	123	27029	-0.148	0.324	-0.46	0.647	-1.5	21.2	-0.07	0.944	5.3	3.1	1.71	0.089
Classroom age (yrs)	21-30yr	50	24429	0.192	0.264	0.73	0.467	10.1	8.6	1.17	0.242	5.5	4.0	1.38	0.169
Classroom age (yrs)	31-40yr	50	18353	0.117	0.260	0.45	0.653	-20.0	18.2	-1.10	0.273	0.0	0.0	N	N
Classroom age (yrs)	41+yr	69	39339	0.792	0.337	2.35	0.020	32.3	26.8	1.20	0.230	-0.3	0.3	-0.99	0.325
Classroom age (yrs)	0-3yr	119	18008	1.047	0.271	3.87	0.000	65.7	6.1	10.80	0.000	4.4	2.3	1.90	0.058
Classroom age (yrs)	4-5yr	77	12024	0.023	0.245	0.09	0.926	-27.9	13.8	-2.02	0.045	5.1	2.8	1.82	0.069
Classroom age (yrs)	6-10yr	77	14768	-0.060	0.369	-0.16	0.871	34.9	9.0	3.87	0.000	1.3	1.3	1.03	0.306
Classroom age (yrs)	11-15yr	91	21006	-0.161	0.382	-0.42	0.673	2.8	25.9	0.11	0.913	7.1	4.1	1.73	0.084
Classroom age (yrs)	16+yr	201	88144	0.190	0.133	1.42	0.155	-0.1	7.8	-0.01	0.988	2.0	1.6	1.28	0.200
Classroom age (known/unknown)	Known	565	153951	0.308	0.111	2.77	0.006	20.5	5.2	3.97	0.000	4.2	1.3	3.32	0.001
Classroom age (known/unknown)	Unknown	245	76204	0.381	0.129	2.96	0.003	26.5	6.5	4.06	0.000	3.7	2.1	1.77	0.078
Major renovations/additions	Yes	233	85572	0.250	0.169	1.47	0.142	9.1	7.2	1.27	0.206	0.3	0.5	0.58	0.564
Major renovations/additions	No	535	133876	0.322	0.096	3.37	0.001	27.2	5.4	4.98	0.000	5.3	1.5	3.61	0.000
Addition/wall/floor renovations	Yes	87	32354	0.687	0.311	2.21	0.028	22.7	10.4	2.18	0.030	1.6	1.5	1.01	0.315
Addition/wall/floor renovations	No	681	187094	0.254	0.080	3.17	0.002	20.9	4.6	4.53	0.000	4.2	1.2	3.48	0.001
HVAC or lighting renovations	Yes	167	67109	0.193	0.219	0.88	0.380	0.1	8.5	0.01	0.991	-0.2	0.2	-0.99	0.323
HVAC or lighting renovations	No	601	152339	0.314	0.084	3.74	0.000	28.6	4.8	5.99	0.000	5.0	1.3	3.71	0.000
Roof renovations	Yes	92	42388	0.133	0.133	0.99	0.321	10.9	11.4	0.95	0.340	-0.3	0.3	-0.98	0.326
Roof renovations	No	676	177059	0.379	0.104	3.63	0.000	22.4	4.6	4.88	0.000	4.5	1.2	3.70	0.000
Classroom size (sq. ft.)	<600	66	20541	-0.060	0.307	-0.19	0.846	32.4	8.9	3.64	0.000	3.9	2.5	1.57	0.117
Classroom size (sq. ft.)	600-1100	538	135029	0.141	0.075	1.88	0.061	12.4	5.4	2.31	0.022	3.0	1.2	2.64	0.009

Variable Description	Category	n	Est. No. Classrms	Diff in Log-Scale Mean	Std. Error	t Value	p Value	Diff in % Pop With Level >27ppb	Std. Error	t Value	p Value	Diff in % Pop With Level >76ppb	Std. Error	t Value	p Value
Classroom size (sq. ft.)	>1100	206	74585	0.728	0.195	3.74	0.000	40.1	7.3	5.52	0.000	7.0	3.0	2.34	0.020
Outdoor damper min setting	<=10%	48	13182	0.106	0.104	1.02	0.310	12.1	14.4	0.84	0.401	0.8	0.8	0.95	0.344
Outdoor damper min setting	11-20%	122	43599	0.511	0.179	2.86	0.005	18.4	9.6	1.91	0.057	4.8	3.0	1.58	0.115
Outdoor damper min setting	21-40%	22	8033	0.454	0.362	1.26	0.210	18.5	13.5	1.37	0.172	0.0	0.0	N	N
Outdoor damper min setting	>40%	22	4833	0.381	0.383	1.00	0.321	-0.2	23.6	-0.01	0.994	22.9	13.6	1.69	0.093
Outdoor damper min setting	Unknown	484	126550	0.296	0.134	2.21	0.028	24.5	5.1	4.83	0.000	3.8	1.3	2.93	0.004
New pressed wood last yr	Yes	228	61685	0.300	0.150	2.00	0.046	19.7	7.6	2.61	0.010	6.1	2.7	2.24	0.026
New pressed wood last yr	No	429	122979	0.394	0.128	3.08	0.002	23.9	4.8	4.93	0.000	3.3	1.3	2.60	0.010
New pressed wood last yr	DK	81	25704	0.098	0.136	0.72	0.473	4.5	15.1	0.30	0.765	3.1	2.0	1.59	0.114
New carpet past yr	Yes	138	29489	0.360	0.161	2.24	0.026	26.4	12.0	2.20	0.028	8.5	4.3	1.96	0.051
New carpet past yr	No	630	189959	0.297	0.096	3.08	0.002	19.5	4.5	4.28	0.000	3.1	1.0	3.18	0.002
New flooring past yr	Yes	183	46531	0.334	0.117	2.86	0.005	21.7	9.8	2.22	0.027	7.4	3.4	2.18	0.030
New flooring past yr	No	441	130552	0.412	0.112	3.67	0.000	22.6	5.5	4.10	0.000	3.8	1.3	2.83	0.005
New flooring past yr	DK	144	42365	0.073	0.238	0.31	0.760	15.6	9.7	1.61	0.110	1.1	0.8	1.40	0.163

APPENDIX G

Classification of Portable Classrooms, by
Formaldehyde Level and Other Selected Variables

Classification of Portable Classrooms, by Formaldehyde Level and Other Selected Variables

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	All classrooms	All		295	49.7		
>27ppb	All classrooms	All		349	50.3		
<=27ppb	School location	Urban	0.68	47	48.2	34.9	61.5
		Suburb		217	49.2	43.2	55.2
		Rural		31	57.8	39.2	76.4
>27ppb	School location	Urban		55	51.8	38.5	65.1
		Suburb		270	50.8	44.8	56.8
		Rural		24	42.2	23.6	60.8
<=27ppb	Geographic region	North	0.09	139	55.4	47.2	63.5
		South		156	46.1	39.3	52.9
>27ppb	Geographic region	North		144	44.6	36.5	52.8
		South		205	53.9	47.1	60.7
<=27ppb	School type	Elem	0.19	181	45.8	39.3	52.3
		Middle		52	52.1	39.0	65.2
		High		62	57.7	46.3	69.0
>27ppb	School type	Elem		238	54.2	47.7	60.7
		Middle		51	47.9	34.8	61.0
		High		60	42.3	31.0	53.7
<=27ppb	Month of formaldehyde sample	April	0.00	114	69.2	60.8	77.6
		May		136	46.0	38.7	53.4
		June/July		45	32.6	22.6	42.6
>27ppb	Month of formaldehyde sample	April		51	30.8	22.4	39.2
		May		199	54.0	46.6	61.3
		June/July		99	67.4	57.4	77.4
<=27ppb	Time of formaldehyde sample	Early_April	0.00	38	90.6	81.1	100.0
		Late_April		76	63.7	54.4	73.0
		Early_May		56	44.9	33.9	55.9
		Late_May		80	46.9	37.1	56.8
		June/July		44	32.5	22.4	42.6
>27ppb	Time of formaldehyde sample	Early_April		5	9.4	0.0	18.9
		Late_April		46	36.3	27.0	45.6
		Early_May		98	55.1	44.1	66.1
		Late_May		101	53.1	43.2	62.9
		June/July		97	67.5	57.4	77.6

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	<25% non-weekday in samp period	Yes	0.19	156	52.9	46.0	59.8
		No		138	45.9	37.9	54.0
>27ppb	<25% non-weekday in samp period	Yes		176	47.1	40.2	54.0
		No		171	54.1	46.0	62.1
<=27ppb	General instruction classroom	Yes	0.46	250	51.6	45.8	57.4
		No		27	45.1	28.4	61.7
>27ppb	General instruction classroom	Yes		279	48.4	42.6	54.2
		No		37	54.9	38.3	71.6
<=27ppb	Carpeted classroom	Full	0.45	209	53.2	46.8	59.6
		Partial		52	45.7	34.3	57.1
		None		18	45.1	22.8	67.4
>27ppb	Carpeted classroom	Full		224	46.8	40.4	53.2
		Partial		76	54.3	42.9	65.7
		None		19	54.9	32.6	77.2
<=27ppb	Vinyl/linoleum floor	Yes	0.20	75	45.6	35.2	55.9
		No		204	53.3	46.9	59.7
>27ppb	Vinyl/linoleum floor	Yes		96	54.4	44.1	64.8
		No		223	46.7	40.3	53.1
<=27ppb	Vinyl tackable wallboard	Yes	0.77	213	50.3	44.2	56.3
		No		63	52.1	41.0	63.2
>27ppb	Vinyl tackable wallboard	Yes		251	49.7	43.7	55.8
		No		65	47.9	36.8	59.0
<=27ppb	Open windows	Never	0.67	28	50.6	38.5	62.7
		Infrequent		158	49.3	42.1	56.6
		Frequent		88	54.5	45.2	63.7
>27ppb	Open windows	Never		35	49.4	37.3	61.5
		Infrequent		191	50.7	43.4	57.9
		Frequent		91	45.5	36.3	54.8
<=27ppb	Open door to outside	Infreq	0.16	153	52.6	45.9	59.4
		Freq		118	48.7	40.7	56.8
		NA		0	0.0	0.0	0.0
>27ppb	Open door to outside	Infreq		155	47.4	40.6	54.1
		Freq		150	51.3	43.2	59.3
		NA		3	100.0	100.0	100.0
<=27ppb	Pressed wood furniture	Yes	0.15	261	52.0	46.4	57.7
		No		18	39.3	22.7	55.8

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
>27ppb	Pressed wood furniture	Yes		287	48.0	42.3	53.6
		No		32	60.7	44.2	77.3
<=27ppb	Pressed wood table/desks	Yes	0.25	234	52.1	46.2	58.1
		No		45	44.9	33.3	56.6
>27ppb	Pressed wood table/desks	Yes		255	47.9	41.9	53.8
		No		64	55.1	43.4	66.7
<=27ppb	Pressed wood bookcases	Yes	0.39	168	48.9	42.2	55.6
		No		111	53.8	44.6	63.0
>27ppb	Pressed wood bookcases	Yes		185	51.1	44.4	57.8
		No		134	46.2	37.0	55.4
<=27ppb	Pressed wood cabinets	Yes	0.04	122	45.0	37.3	52.7
		No		157	56.5	48.8	64.3
>27ppb	Pressed wood cabinets	Yes		174	55.0	47.3	62.7
		No		145	43.5	35.7	51.2
<=27ppb	New furnishings this school yr	Yes	0.28	62	44.4	34.1	54.8
		No		202	52.8	46.7	59.0
		DK		11	58.5	32.9	84.1
>27ppb	New furnishings this school yr	Yes		100	55.6	45.2	65.9
		No		204	47.2	41.0	53.3
		DK		11	41.5	15.9	67.1
<=27ppb	Type appliances in room	Stove/burnr	0.10	5	30.3	9.0	51.5
		Other		91	53.5	43.8	63.2
		None		158	52.6	45.8	59.4
>27ppb	Type appliances in room	Stove/burnr		14	69.7	48.5	91.0
		Other		103	46.5	36.8	56.2
		None		171	47.4	40.6	54.2
<=27ppb	Chemical present in room	Yes	0.04	120	45.0	36.9	53.0
		No		159	56.0	48.8	63.2
>27ppb	Chemical present in room	Yes		165	55.0	47.0	63.1
		No		154	44.0	36.8	51.2
<=27ppb	Oil/acrylic paints used	Yes	0.43	37	45.7	31.5	59.9
		No		242	51.6	45.8	57.5
>27ppb	Oil/acrylic paints used	Yes		49	54.3	40.1	68.5
		No		270	48.4	42.5	54.2
<=27ppb	Permanent marker/pen used	Yes	0.77	230	51.4	45.3	57.4
		No		49	49.2	35.6	62.8

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
>27ppb	Permanent marker/pen used	Yes		263	48.6	42.6	54.7
		No		56	50.8	37.2	64.4
<=27ppb	Whiteboard marker used	Yes	0.48	234	50.0	43.9	56.1
		No		45	55.7	41.2	70.2
>27ppb	Whiteboard marker used	Yes		273	50.0	43.9	56.1
		No		46	44.3	29.8	58.8
<=27ppb	Glues/fluids used	Yes	0.56	189	51.9	45.4	58.5
		No		90	48.8	40.1	57.6
>27ppb	Glues/fluids used	Yes		221	48.1	41.5	54.6
		No		98	51.2	42.4	59.9
<=27ppb	Correction fluid used	Yes	0.84	170	51.3	44.3	58.4
		No		109	50.3	42.0	58.6
>27ppb	Correction fluid used	Yes		208	48.7	41.6	55.7
		No		111	49.7	41.4	58.0
<=27ppb	Epoxy/rubber cement used	Yes	0.27	51	57.4	44.7	70.0
		No		228	49.8	43.9	55.7
>27ppb	Epoxy/rubber cement used	Yes		42	42.6	30.0	55.3
		No		277	50.2	44.3	56.1
<=27ppb	Air freshener used	Yes	0.34	109	47.7	39.1	56.2
		No		170	53.0	46.0	59.9
>27ppb	Air freshener used	Yes		129	52.3	43.8	60.9
		No		190	47.0	40.1	54.0
<=27ppb	Air freshener used - plug-in	Yes	0.55	56	53.8	43.0	64.6
		No		223	50.2	44.1	56.3
>27ppb	Air freshener used - plug-in	Yes		67	46.2	35.4	57.0
		No		252	49.8	43.7	55.9
<=27ppb	Air freshener used - spray	Yes	0.31	61	45.4	33.4	57.4
		No		218	52.5	46.2	58.9
>27ppb	Air freshener used - spray	Yes		71	54.6	42.6	66.6
		No		248	47.5	41.1	53.8
<=27ppb	New furnishings odor	Never	0.08	234	53.7	47.4	59.9
		Sometimes		29	40.9	24.0	57.9
		Often		5	26.9	2.6	51.3
>27ppb	New furnishings odor	Never		247	46.3	40.1	52.6
		Sometimes		49	59.1	42.1	76.0
		Often		11	73.1	48.7	97.4

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi^2	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Construction activity this yr	Current	0.58	55	44.9	34.4	55.5
		Previous		136	53.6	45.7	61.5
		Never		77	50.6	39.1	62.1
		Unknown		8	56.8	27.2	86.3
>27ppb	Construction activity this yr	Current		81	55.1	44.5	65.6
		Previous		151	46.4	38.5	54.3
		Never		78	49.4	37.9	60.9
		Unknown		5	43.2	13.7	72.8
<=27ppb	Carpentry activity this yr	Yes	0.52	87	53.5	43.9	63.1
		No		192	49.7	43.0	56.4
>27ppb	Carpentry activity this yr	Yes		98	46.5	36.9	56.1
		No		221	50.3	43.6	57.0
<=27ppb	In-room construction this yr	Yes	0.45	37	55.4	42.3	68.6
		No		238	50.0	44.2	55.9
>27ppb	In-room construction this yr	Yes		40	44.6	31.4	57.7
		No		278	50.0	44.1	55.8
<=27ppb	Other school construction this yr	Yes	0.87	185	50.6	44.0	57.3
		No		94	51.7	41.4	62.0
>27ppb	Other school construction this yr	Yes		224	49.4	42.7	56.0
		No		95	48.3	38.0	58.6
<=27ppb	# teacher complaints in school yr	0	0.54	111	54.0	45.8	62.2
		1-5		145	48.3	40.6	55.9
		>5		19	54.6	32.4	76.8
>27ppb	# teacher complaints in school yr	0		121	46.0	37.8	54.2
		1-5		163	51.7	44.1	59.4
		>5		28	45.4	23.2	67.6
<=27ppb	Overall air quality (teacher)	Excellent	0.97	36	49.3	37.5	61.1
		Good		95	51.8	42.1	61.6
		Adequate		98	49.5	39.9	59.2
		Poor		37	51.9	38.2	65.6
		Very_poor		7	58.4	29.1	87.7
>27ppb	Overall air quality (teacher)	Excellent		51	50.7	38.9	62.5
		Good		111	48.2	38.4	57.9
		Adequate		106	50.5	40.8	60.1
		Poor		41	48.1	34.4	61.8
		Very_poor		7	41.6	12.3	70.9

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Nose symptoms past 2 weeks	None	0.77	121	52.8	44.3	61.4
		Occasional		85	49.7	41.1	58.3
		Frequent		65	48.2	37.1	59.4
>27ppb	Nose symptoms past 2 weeks	None		118	47.2	38.6	55.7
		Occasional		109	50.3	41.7	58.9
		Frequent		85	51.8	40.6	62.9
<=27ppb	Nose symptoms at home	Same/worse	0.29	75	45.5	36.2	54.7
		Improves		60	55.3	44.6	66.0
		NA		121	52.8	44.3	61.4
>27ppb	Nose symptoms at home	Same/worse		104	54.5	45.3	63.8
		Improves		69	44.7	34.0	55.4
		NA		118	47.2	38.6	55.7
<=27ppb	Throat symptoms past 2 weeks	None	0.87	144	50.1	42.3	57.8
		Occasional		81	51.4	40.5	62.2
		Frequent		46	54.2	40.9	67.5
>27ppb	Throat symptoms past 2 weeks	None		158	49.9	42.2	57.7
		Occasional		94	48.6	37.8	59.5
		Frequent		53	45.8	32.5	59.1
<=27ppb	Throat symptoms at home	Same/worse	0.87	54	52.8	41.0	64.6
		Improves		61	53.8	41.7	65.8
		NA		144	50.1	42.3	57.8
>27ppb	Throat symptoms at home	Same/worse		63	47.2	35.4	59.0
		Improves		67	46.2	34.2	58.3
		NA		158	49.9	42.2	57.7
<=27ppb	Eyes symptoms past 2 weeks	None	0.32	154	50.8	43.2	58.3
		Occasional		63	45.6	34.8	56.4
		Frequent		46	59.5	45.6	73.4
>27ppb	Eyes symptoms past 2 weeks	None		166	49.2	41.7	56.8
		Occasional		89	54.4	43.6	65.2
		Frequent		45	40.5	26.6	54.4
<=27ppb	Eyes symptoms at home	Same/worse	0.36	42	44.3	33.1	55.6
		Improves		53	56.3	43.8	68.8
		NA		154	50.8	43.2	58.3
>27ppb	Eyes symptoms at home	Same/worse		59	55.7	44.4	66.9
		Improves		55	43.7	31.2	56.2
		NA		166	49.2	41.7	56.8

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Classroom age (yrs)	<=10yr	0.01	97	42.7	34.2	51.3
		11-20yr		53	51.7	39.8	63.5
		21-30yr		22	84.9	68.2	100.0
		31-40yr		15	72.2	47.6	96.9
		41+yr		1	34.0	0.0	86.6
>27ppb	Classroom age (yrs)	<=10yr		153	57.3	48.7	65.8
		11-20yr		57	48.3	36.5	60.2
		21-30yr		6	15.1	0.0	31.8
		31-40yr		5	27.8	3.1	52.4
		41+yr		3	66.0	13.4	100.0
<=27ppb	Classroom age (yrs)	0-3yr	0.00	36	34.3	22.2	46.5
		4-5yr		28	40.1	26.8	53.4
		6-10yr		33	60.9	44.2	77.7
		11-15yr		39	50.4	34.4	66.4
		16+yr		52	70.4	57.0	83.8
>27ppb	Classroom age (yrs)	0-3yr		77	65.7	53.5	77.8
		4-5yr		45	59.9	46.6	73.2
		6-10yr		31	39.1	22.3	55.8
		11-15yr		43	49.6	33.6	65.6
		16+yr		28	29.6	16.2	43.0
<=27ppb	Classroom age (known/unknown)	Known	0.95	188	50.7	44.1	57.4
		Unknown		80	51.1	41.1	61.2
>27ppb	Classroom age (known/unknown)	Known		224	49.3	42.6	55.9
		Unknown		82	48.9	38.8	58.9
<=27ppb	Major renovations/additions	Yes	0.13	68	59.9	49.0	70.8
		No		192	49.5	42.6	56.5
>27ppb	Major renovations/additions	Yes		56	40.1	29.2	51.0
		No		229	50.5	43.5	57.4
<=27ppb	Addition/wall/floor renovations	Yes	0.72	21	49.7	35.5	63.8
		No		239	52.3	46.3	58.3
>27ppb	Addition/wall/floor renovations	Yes		21	50.3	36.2	64.5
		No		264	47.7	41.7	53.7
<=27ppb	HVAC or lighting renovations	Yes	0.06	46	65.0	51.5	78.5
		No		214	49.5	43.0	55.9
>27ppb	HVAC or lighting renovations	Yes		33	35.0	21.5	48.5
		No		252	50.5	44.1	57.0

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Roof renovations	Yes	0.37	22	60.3	42.9	77.6
		No		238	51.3	44.9	57.6
>27ppb	Roof renovations	Yes		14	39.7	22.4	57.1
		No		271	48.7	42.4	55.1
<=27ppb	Classroom size (sq. ft.)	<600	0.04	19	52.0	37.0	67.0
		600-1100		197	54.6	47.7	61.4
		>1100		52	39.3	29.7	48.8
>27ppb	Classroom size (sq. ft.)	<600		25	48.0	33.0	63.0
		600-1100		204	45.4	38.6	52.3
		>1100		77	60.7	51.2	70.3
<=27ppb	Outdoor damper min setting	<=10%	0.21	20	65.2	47.5	82.8
		11-20%		43	58.2	45.2	71.2
		21-40%		9	74.1	47.3	100.0
		>40%		8	43.4	27.1	59.6
		Unknown		161	49.8	42.4	57.1
>27ppb	Outdoor damper min setting	<=10%		16	34.8	17.2	52.5
		11-20%		37	41.8	28.8	54.8
		21-40%		7	25.9	0.0	52.7
		>40%		8	56.6	40.4	72.9
		Unknown		190	50.2	42.9	57.6
<=27ppb	New pressed wood last yr	Yes	0.09	64	42.9	33.1	52.8
		No		154	56.0	48.2	63.7
		DK		32	56.8	41.8	71.8
>27ppb	New pressed wood last yr	Yes		103	57.1	47.2	66.9
		No		149	44.0	36.3	51.8
		DK		25	43.2	28.2	58.2
<=27ppb	New carpet past yr	Yes	0.18	40	44.2	32.1	56.4
		No		220	53.9	47.1	60.6
>27ppb	New carpet past yr	Yes		68	55.8	43.6	67.9
		No		217	46.1	39.4	52.9
<=27ppb	New flooring past yr	Yes	0.17	52	46.2	35.7	56.6
		No		147	50.9	42.8	58.9
		DK		61	61.9	49.0	74.8
>27ppb	New flooring past yr	Yes		83	53.8	43.4	64.3
		No		156	49.1	41.1	57.2
		DK		46	38.1	25.2	51.0

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi^2	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	All classrooms	All		479	63.1		
>27ppb	All classrooms	All		432	36.9		
<=27ppb	School location	Urban	0.49	76	62.9	50.5	75.2
		Suburb		354	62.2	55.6	68.9
		Rural		49	72.8	58.4	87.2
>27ppb	School location	Urban		71	37.1	24.8	49.5
		Suburb		330	37.8	31.1	44.4
		Rural		31	27.2	12.8	41.6
<=27ppb	Geographic region	North	0.00	228	74.1	67.6	80.7
		South		251	56.4	48.7	64.1
>27ppb	Geographic region	North		169	25.9	19.3	32.4
		South		263	43.6	35.9	51.3
<=27ppb	School type	Elem	0.20	297	58.3	52.2	64.3
		Middle		87	68.6	55.3	81.8
		High		95	68.0	54.9	81.1
>27ppb	School type	Elem		295	41.7	35.7	47.8
		Middle		62	31.4	18.2	44.7
		High		75	32.0	18.9	45.1
<=27ppb	Month of formaldehyde sample	April	0.00	185	86.1	80.8	91.3
		May		224	59.7	51.8	67.5
		June/July		70	37.0	25.6	48.3
>27ppb	Month of formaldehyde sample	April		56	13.9	8.7	19.2
		May		247	40.3	32.5	48.2
		June/July		129	63.0	51.7	74.4
<=27ppb	Time of formaldehyde sample	Early_April	0.00	58	96.5	92.8	100.0
		Late_April		127	83.4	77.2	89.6
		Early_May		93	52.6	40.1	65.1
		Late_May		131	65.5	56.3	74.8
		June/July		68	36.4	25.0	47.8
>27ppb	Time of formaldehyde sample	Early_April		6	3.5	0.0	7.2
		Late_April		50	16.6	10.4	22.8
		Early_May		126	47.4	34.9	59.9
		Late_May		121	34.5	25.2	43.7
		June/July		127	63.6	52.2	75.0
<=27ppb	<25% non-weekday in samp period	Yes	0.25	261	65.9	58.4	73.3
		No		216	59.5	51.1	67.9

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
>27ppb	<25% non-weekday in samp period	Yes		214	34.1	26.7	41.6
		No		216	40.5	32.1	48.9
<=27ppb	General instruction classroom	Yes	0.79	402	64.7	58.9	70.4
		No		46	62.2	44.4	80.0
>27ppb	General instruction classroom	Yes		342	35.3	29.6	41.1
		No		47	37.8	20.0	55.6
<=27ppb	Carpeted classroom	Full	0.88	275	62.5	55.6	69.4
		Partial		118	64.0	55.5	72.6
		None		57	66.0	51.8	80.2
>27ppb	Carpeted classroom	Full		253	37.5	30.6	44.4
		Partial		103	36.0	27.4	44.5
		None		38	34.0	19.8	48.2
<=27ppb	Vinyl/linoleum floor	Yes	0.29	169	66.7	58.1	75.4
		No		281	61.2	54.2	68.2
>27ppb	Vinyl/linoleum floor	Yes		136	33.3	24.6	41.9
		No		258	38.8	31.8	45.8
<=27ppb	Vinyl tackable wallboard	Yes	0.00	262	56.0	48.4	63.7
		No		183	71.5	64.0	79.0
>27ppb	Vinyl tackable wallboard	Yes		279	44.0	36.3	51.6
		No		109	28.5	21.0	36.0
<=27ppb	Open windows	Never	0.21	89	69.0	57.4	80.6
		Infrequent		221	58.5	50.4	66.6
		Frequent		130	66.4	56.7	76.1
>27ppb	Open windows	Never		56	31.0	19.4	42.6
		Infrequent		226	41.5	33.4	49.6
		Frequent		108	33.6	23.9	43.3
<=27ppb	Open door to outside	Infreq	0.07	235	61.1	53.5	68.8
		Freq		178	60.3	51.5	69.1
		NA		26	83.4	67.3	99.6
>27ppb	Open door to outside	Infreq		192	38.9	31.2	46.5
		Freq		178	39.7	30.9	48.5
		NA		10	16.6	0.4	32.7
<=27ppb	Pressed wood furniture	Yes	0.65	416	64.3	58.3	70.3
		No		34	60.2	42.2	78.2
>27ppb	Pressed wood furniture	Yes		353	35.7	29.7	41.7
		No		41	39.8	21.8	57.8

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Pressed wood table/desks	Yes	0.80	369	64.2	57.8	70.5
		No		81	62.5	50.4	74.6
>27ppb	Pressed wood table/desks	Yes		312	35.8	29.5	42.2
		No		82	37.5	25.4	49.6
<=27ppb	Pressed wood bookcases	Yes	0.35	265	61.4	54.3	68.5
		No		185	66.6	57.7	75.5
>27ppb	Pressed wood bookcases	Yes		227	38.6	31.5	45.7
		No		167	33.4	24.5	42.3
<=27ppb	Pressed wood cabinets	Yes	0.75	201	62.9	54.5	71.2
		No		249	64.6	57.1	72.1
>27ppb	Pressed wood cabinets	Yes		202	37.1	28.8	45.5
		No		192	35.4	27.9	42.9
<=27ppb	New furnishings this school yr	Yes	0.48	95	61.5	50.6	72.4
		No		333	64.1	57.2	71.1
		DK		16	75.8	58.2	93.3
>27ppb	New furnishings this school yr	Yes		119	38.5	27.6	49.4
		No		258	35.9	28.9	42.8
		DK		12	24.2	6.7	41.8
<=27ppb	Type appliances in room	Stove/burnr	0.56	11	47.7	18.5	76.9
		Other		132	64.8	55.6	74.0
		None		259	65.2	57.8	72.6
>27ppb	Type appliances in room	Stove/burnr		16	52.3	23.1	81.5
		Other		122	35.2	26.0	44.4
		None		216	34.8	27.4	42.2
<=27ppb	Chemical present in room	Yes	0.59	203	62.4	54.2	70.6
		No		247	65.1	57.9	72.4
>27ppb	Chemical present in room	Yes		204	37.6	29.4	45.8
		No		190	34.9	27.6	42.1
<=27ppb	Oil/acrylic paints used	Yes	0.09	67	73.9	62.8	84.9
		No		383	62.4	55.9	68.8
>27ppb	Oil/acrylic paints used	Yes		52	26.1	15.1	37.2
		No		342	37.6	31.2	44.1
<=27ppb	Permanent marker/pen used	Yes	0.45	370	65.1	58.8	71.3
		No		80	59.6	46.2	72.9
>27ppb	Permanent marker/pen used	Yes		320	34.9	28.7	41.2
		No		74	40.4	27.1	53.8

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Whiteboard marker used	Yes	0.53	379	63.0	56.6	69.3
		No		71	67.6	54.2	81.0
>27ppb	Whiteboard marker used	Yes		334	37.0	30.7	43.4
		No		60	32.4	19.0	45.8
<=27ppb	Glues/fluids used	Yes	0.51	304	65.1	58.1	72.1
		No		146	61.3	51.5	71.0
>27ppb	Glues/fluids used	Yes		266	34.9	27.9	41.9
		No		128	38.7	29.0	48.5
<=27ppb	Correction fluid used	Yes	0.50	277	65.3	58.0	72.6
		No		173	61.5	52.5	70.4
>27ppb	Correction fluid used	Yes		249	34.7	27.4	42.0
		No		145	38.5	29.6	47.5
<=27ppb	Epoxy/rubber cement used	Yes	0.87	74	64.8	52.2	77.3
		No		376	63.7	57.4	69.9
>27ppb	Epoxy/rubber cement used	Yes		52	35.2	22.7	47.8
		No		342	36.3	30.1	42.6
<=27ppb	Air freshener used	Yes	0.12	156	57.7	48.0	67.4
		No		294	66.8	59.9	73.6
>27ppb	Air freshener used	Yes		155	42.3	32.6	52.0
		No		239	33.2	26.4	40.1
<=27ppb	Air freshener used - plug-in	Yes	0.66	82	61.4	49.5	73.3
		No		368	64.3	57.9	70.6
>27ppb	Air freshener used - plug-in	Yes		79	38.6	26.7	50.5
		No		315	35.7	29.4	42.1
<=27ppb	Air freshener used - spray	Yes	0.19	85	56.8	44.1	69.4
		No		365	65.6	59.3	71.8
>27ppb	Air freshener used - spray	Yes		87	43.2	30.6	55.9
		No		307	34.4	28.2	40.7
<=27ppb	New furnishings odor	Never	0.03	385	65.0	58.7	71.3
		Sometimes		46	58.3	45.3	71.3
		Often		5	23.1	1.2	45.0
>27ppb	New furnishings odor	Never		314	35.0	28.7	41.3
		Sometimes		56	41.7	28.7	54.7
		Often		12	76.9	55.0	98.8

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi^2	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Construction activity this yr	Current	0.06	81	53.0	39.8	66.2
		Previous		216	64.0	55.8	72.2
		Never		135	71.2	61.9	80.4
		Unknown		11	80.8	60.7	100.0
>27ppb	Construction activity this yr	Current		105	47.0	33.8	60.2
		Previous		188	36.0	27.8	44.2
		Never		92	28.8	19.6	38.1
		Unknown		5	19.2	0.0	39.3
<=27ppb	Carpentry activity this yr	Yes	0.36	136	60.0	48.9	71.2
		No		314	65.7	59.4	72.0
>27ppb	Carpentry activity this yr	Yes		127	40.0	28.8	51.1
		No		267	34.3	28.0	40.6
<=27ppb	In-room construction this yr	Yes	0.38	62	57.9	43.1	72.8
		No		383	64.8	58.7	70.8
>27ppb	In-room construction this yr	Yes		55	42.1	27.2	56.9
		No		338	35.2	29.2	41.3
<=27ppb	Other school construction this yr	Yes	0.01	284	59.6	52.2	67.0
		No		166	73.0	65.0	81.0
>27ppb	Other school construction this yr	Yes		284	40.4	33.0	47.8
		No		110	27.0	19.0	35.0
<=27ppb	# teacher complaints in school yr	0	0.96	179	63.3	54.8	71.8
		1-5		234	63.6	55.4	71.8
		>5		29	66.5	46.3	86.7
>27ppb	# teacher complaints in school yr	0		156	36.7	28.2	45.2
		1-5		196	36.4	28.2	44.6
		>5		33	33.5	13.3	53.7
<=27ppb	Overall air quality (teacher)	Excellent	0.45	67	63.3	51.7	74.9
		Good		170	69.5	61.2	77.7
		Adequate		144	56.4	44.8	68.0
		Poor		52	65.0	51.2	78.8
		Very_poor		9	70.2	39.4	100.0
>27ppb	Overall air quality (teacher)	Excellent		65	36.7	25.1	48.3
		Good		137	30.5	22.3	38.8
		Adequate		133	43.6	32.0	55.2
		Poor		48	35.0	21.2	48.8
		Very_poor		8	29.8	0.0	60.6

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Nose symptoms past 2 weeks	None	0.42	195	67.5	59.3	75.7
		Occasional		151	61.6	52.0	71.3
		Frequent		94	59.3	47.7	71.0
>27ppb	Nose symptoms past 2 weeks	None		147	32.5	24.3	40.7
		Occasional		140	38.4	28.7	48.0
		Frequent		100	40.7	29.0	52.3
<=27ppb	Nose symptoms at home	Same/worse	0.57	136	62.3	52.6	71.9
		Improves		81	61.0	47.4	74.5
		NA		195	67.5	59.3	75.7
>27ppb	Nose symptoms at home	Same/worse		128	37.7	28.1	47.4
		Improves		85	39.0	25.5	52.6
		NA		147	32.5	24.3	40.7
<=27ppb	Throat symptoms past 2 weeks	None	0.48	243	67.0	59.6	74.4
		Occasional		126	59.5	48.5	70.4
		Frequent		67	62.2	50.9	73.4
>27ppb	Throat symptoms past 2 weeks	None		193	33.0	25.6	40.4
		Occasional		124	40.5	29.6	51.5
		Frequent		62	37.8	26.6	49.1
<=27ppb	Throat symptoms at home	Same/worse	0.50	87	62.0	50.3	73.7
		Improves		84	58.6	45.2	72.1
		NA		243	67.0	59.6	74.4
>27ppb	Throat symptoms at home	Same/worse		80	38.0	26.3	49.7
		Improves		83	41.4	27.9	54.8
		NA		193	33.0	25.6	40.4
<=27ppb	Eyes symptoms past 2 weeks	None	0.56	254	64.9	57.7	72.1
		Occasional		108	59.2	47.2	71.1
		Frequent		67	68.1	55.0	81.2
>27ppb	Eyes symptoms past 2 weeks	None		204	35.1	27.9	42.3
		Occasional		116	40.8	28.9	52.8
		Frequent		54	31.9	18.8	45.0
<=27ppb	Eyes symptoms at home	Same/worse	0.28	84	68.8	56.7	80.9
		Improves		69	54.2	39.8	68.5
		NA		254	64.9	57.7	72.1
>27ppb	Eyes symptoms at home	Same/worse		74	31.2	19.1	43.3
		Improves		70	45.8	31.5	60.2
		NA		204	35.1	27.9	42.3

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi^2	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Classroom age (yrs)	<=10yr	0.00	115	54.5	45.0	64.0
		11-20yr		62	51.3	36.9	65.6
		21-30yr		41	92.8	86.2	99.3
		31-40yr		36	55.5	32.8	78.2
		41+yr		43	66.1	50.9	81.2
>27ppb	Classroom age (yrs)	<=10yr		158	45.5	36.0	55.0
		11-20yr		61	48.7	34.4	63.1
		21-30yr		9	7.2	0.7	13.8
		31-40yr		14	44.5	21.8	67.2
		41+yr		26	33.9	18.8	49.1
<=27ppb	Classroom age (yrs)	0-3yr	0.00	42	48.3	33.0	63.6
		4-5yr		29	36.4	22.9	49.9
		6-10yr		44	76.8	64.8	88.8
		11-15yr		46	51.2	33.1	69.3
		16+yr		136	70.3	60.3	80.3
>27ppb	Classroom age (yrs)	0-3yr		77	51.7	36.4	67.0
		4-5yr		48	63.6	50.1	77.1
		6-10yr		33	23.2	11.2	35.2
		11-15yr		45	48.8	30.7	66.9
		16+yr		65	29.7	19.7	39.7
<=27ppb	Classroom age (known/unknown)	Known	0.29	297	63.1	55.7	70.5
		Unknown		137	69.2	60.3	78.1
>27ppb	Classroom age (known/unknown)	Known		268	36.9	29.5	44.3
		Unknown		108	30.8	21.9	39.7
<=27ppb	Major renovations/additions	Yes	0.68	140	66.8	56.8	76.9
		No		277	64.4	57.2	71.5
>27ppb	Major renovations/additions	Yes		93	33.2	23.1	43.2
		No		258	35.6	28.5	42.8
<=27ppb	Addition/wall/floor renovations	Yes	0.69	52	68.0	53.4	82.5
		No		365	64.9	58.4	71.3
>27ppb	Addition/wall/floor renovations	Yes		35	32.0	17.5	46.6
		No		316	35.1	28.7	41.6
<=27ppb	HVAC or lighting renovations	Yes	0.96	100	65.1	53.1	77.1
		No		317	65.5	58.7	72.2
>27ppb	HVAC or lighting renovations	Yes		67	34.9	22.9	46.9
		No		284	34.5	27.8	41.3

Formaldehyde Level	Classification Variable	Category	p-Value Wald Chi ²	Sample Size	Est. Pop. Percent	Approx. Lower 95% Limit	Approx. Upper 95% Limit
<=27ppb	Roof renovations	Yes	0.55	61	69.1	54.4	83.9
		No		356	64.4	58.0	70.9
>27ppb	Roof renovations	Yes		31	30.9	16.1	45.6
		No		320	35.6	29.1	42.0
<=27ppb	Classroom size (sq. ft.)	<600	0.18	35	76.2	62.1	90.4
		600-1100		290	61.4	53.8	69.1
		>1100		109	68.7	58.8	78.5
>27ppb	Classroom size (sq. ft.)	<600		31	23.8	9.6	37.9
		600-1100		248	38.6	30.9	46.2
		>1100		97	31.3	21.5	41.2
<=27ppb	Outdoor damper min setting	<=10%	0.42	28	71.3	52.6	90.0
		11-20%		74	70.4	58.4	82.4
		21-40%		14	87.8	71.5	100.0
		>40%		11	43.3	13.8	72.7
		Unknown		254	64.8	57.0	72.6
>27ppb	Outdoor damper min setting	<=10%		20	28.7	10.0	47.4
		11-20%		48	29.6	17.6	41.6
		21-40%		8	12.2	0.0	28.5
		>40%		11	56.7	27.3	86.2
		Unknown		230	35.2	27.4	43.0
<=27ppb	New pressed wood last yr	Yes	0.05	100	54.7	42.7	66.7
		No		250	71.6	64.4	78.8
		DK		48	59.5	40.0	79.0
>27ppb	New pressed wood last yr	Yes		128	45.3	33.3	57.3
		No		179	28.4	21.2	35.6
		DK		33	40.5	21.0	60.0
<=27ppb	New carpet past yr	Yes	0.19	60	57.5	44.9	70.2
		No		357	66.6	59.9	73.2
>27ppb	New carpet past yr	Yes		78	42.5	29.8	55.1
		No		273	33.4	26.8	40.1
<=27ppb	New flooring past yr	Yes	0.41	83	59.3	47.9	70.7
		No		246	65.6	57.9	73.3
		DK		88	71.2	56.7	85.7
>27ppb	New flooring past yr	Yes		100	40.7	29.3	52.1
		No		195	34.4	26.7	42.1
		DK		56	28.8	14.3	43.3

APPENDIX H

Recommendations from the Formaldehyde Lab
(Air Quality Research)

Tom Phillips

July 16, 2001

Mr. Phillips,

You should have received the July 10th ‘cutoff’ data in an Excel spreadsheet from Mike Phillips. If not, please give AQR a call and I can get one to you immediately.

Phil asked me to make any recommendations I may have regarding the process of delivering, receiving and analyzing the monitors that may make any further work more efficient. Although the process from my viewpoint went fairly smoothly, there are a few items we might consider...

There was a greater percentage of breakage than I would have expected. Although the causes spring from many sources there are two that AQR might address. The first is the number of vials that “fell and broke” according to the users. This implies that the pins used to fix the vial to the ceiling might be insufficient for the task. Perhaps the acoustical ceiling panels (as opposed to drywall or wood) found in many commercial buildings, won’t hold the small push pin under the weight of the vial. Secondly, a number of vials were found cracked or broken possibly during shipment from, not to, the user. AQR might include some cushioning approach to protect the vials after removal from the PE bag.

Preventing breakage would have yielded about 20 more viable results in this round.

Additionally, there remains a ‘misfit’ collection of vials that cannot be recorded due to missing paperwork, missing ID labels or any other incomplete data matching making location/data of vials unavailable. This group represents nine school systems to date. I understand the purpose of anonymity regarding the school ID’s. However, our experience over the years has shown the more that vials can be pre-labeled and have the data sheets included with each box of vials, the fewer these incidents will be.

Finally, there were a number of Analysis Request Forms that were not filled out completely leaving out information of START or STOP times and especially AM and/or PM indications. Any clarity on what the customer must properly record will avoid losing data or making interpretations would help. I think another 25 or 30 so monitors were affected by partial data recording.

Other than these issues I think the process went reasonably well.

Please contact Phil or myself with any questions you may have regarding this response.

Sincerely,

Jim Johnson – AQR

APPENDIX I

Recommendations from ARB and DHS for
Reducing Formaldehyde in Schools

REMEDIES FOR REDUCING FORMALDEHYDE IN SCHOOLS

*Recommendations of the
California Air Resources Board
and Department of Health Services
March 2002*

When a classroom has been measured with elevated formaldehyde levels (more than 27 parts per billion--ppb), we recommend that the school implement the basic measures listed below. Classrooms with formaldehyde levels below 27 ppb would benefit from these measures as well, because formaldehyde is a carcinogen, and it is desirable to achieve the lowest formaldehyde levels reasonably feasible. However, achieving very low indoor levels (below 5 -10 ppb) generally is not possible. Outdoor levels average about 3 ppb, but can range up to 20 ppb in some areas, such as near traffic.

1. Reduce the total amount of formaldehyde sources in the classroom.

Removing sources is often the most effective way to assure that formaldehyde concentrations are reduced in classroom air. The primary indoor sources are typically pressed wood building materials and furnishings; consumer products and combustion sources can also contribute to indoor levels.

- **Newer, removable sources such as new, freestanding bookshelves and desks made with pressed wood products (e.g., particleboard) should be aired out** in a different, well-ventilated location for as long as conveniently possible, preferably at least two to three weeks. This process will not remove all of the formaldehyde, but it can accelerate the initial off-gassing of formaldehyde, and keep the highest emissions out of the classroom.
- **Avoid using noxious consumer products in the classroom.** Cleaning products, carpet shampoos, surface cleaners, glass cleaners, markers, and cosmetics such as fingernail polish can emit formaldehyde as well as other undesirable chemicals. If some of these products must be used, make sure the ventilation is turned on and run at proper levels.
- **Assure that all combustion appliances are exhausted directly to the outdoors.** Combustion appliances such as gas heaters and ovens produce formaldehyde. They should be checked annually by a professional to assure proper functioning.

2. Provide sufficient ventilation to the classroom.

- **Check the outdoor air flow rate and controls.** An inspection should be conducted to assure that the heating and air conditioning (HVAC) unit is drawing 15 to 20 cubic feet per minute per person of outdoor air into the room. Keep motor vehicles and combustion engines away from the air intakes.

- **To be effective, the HVAC system must be used (turned on).** Verify that the HVAC fan is continuously operating whenever the classroom is being used. If HVAC noise is a problem, consider installing a rubber gasket between the air handler and building shell. Consult with the manufacturer for assistance with noise attenuation.
- **Keep doors and windows open as much as possible.** Additional ventilation can be provided by operating oscillating fans inside the classroom (or in a window) while doors and windows are open. Fleecy materials such as carpet, upholstery, and wall surfaces will adsorb formaldehyde that is in the air and re-emit it as environmental conditions change. Additional ventilation and air circulation will help accelerate the removal of formaldehyde from these surfaces and from the room.
- **Assure that the classroom is maintained at 30% to 50% relative humidity and a comfortable temperature.** Formaldehyde emissions generally increase with higher temperatures and higher humidity.

3. Testing the Air

The following information may be helpful to schools that wish to obtain a follow-up measurement in classrooms after taking steps to reduce formaldehyde levels:

- **Be sure to hire a qualified consultant** or obtain the services of a trained industrial hygienist from the district or a local government agency to conduct the testing. Private consultants may charge about \$1000 - \$1500 to test several classrooms for one day. Advice on hiring an indoor air quality consultant and lists to help locate consultants can be found on-line at <http://www.cal-iaq.org/FIRMS/>.
- **Use an accepted test method.** An active DNPH (dinitrophenylhydrazine) sampler is the preferred method, although other methods may be adequate.
- **Obtain measurements during school hours with the ventilation system in normal operating mode.** This will provide a good estimate of the levels the occupants are actually exposed to in their classrooms. Ideally, a 6-8 hour test is desired, to cover the hours the rooms are occupied.

If Levels Are Still Higher Than Desired

If test results show that formaldehyde concentrations remain elevated after the measures above have been taken, then some additional action may be necessary.

Sealing all exposed surfaces of particleboard furnishings with multiple layers of water resistant sealants--such as polyurethane, vinyl laminate, lacquers, alkyd paints or other water-resistant coatings--can reduce formaldehyde emissions. The effectiveness of these sealants varies greatly by product, thickness of the layer applied, and the thoroughness of application. It is advisable to seal all surfaces, including the back and edges of the board, and use multiple layers of coatings. Sealants themselves may release other chemicals for a period of time, so application and initial off-gassing during

drying must be conducted under high ventilation conditions and/or at an alternate location.

For newer classrooms that show especially high formaldehyde levels even after the measures above have been taken, schools may also want to consider measures such as extensive airing out of the building or sealing of surfaces over the summer.

Future Purchases

When new classrooms or furnishings are ordered or constructed, materials can be specified that emit low or no formaldehyde and other volatile chemicals. Schools may also want to request that any furnishings that might emit chemicals be aired out prior to installation. Airing of carpet for several days at an alternate location, such as at a warehouse, can greatly reduce the chemical levels in the classrooms after installation of the carpet. Specification language for low formaldehyde elements was developed by the Collaborative for High Performance Schools (CHPS) and can be found at the website below.

For More Information

For more information on formaldehyde, visit:

<http://www.arb.ca.gov/toxics/compwood/background.htm>
<http://www.arb.ca.gov/research/indoor/formald.htm> and
<http://www.arb.ca.gov/research/resnotes/notes/97-9.htm>.

For information on designing, constructing, and maintaining healthier school buildings, visit:

CHPS: <http://www.chps.net/>.

Advisory on Relocatable and Renovated Classrooms
<http://www.cal-iaq.org/ADVISORY.pdf>

IAQ Tools for Schools, U.S. Environmental Protection Agency
<http://www.epa.gov/iaq/schools/index.html>