APPENDIX F

Estimated Distributions of Summary Measures from Continuous Monitors

Appendix F summarizes the summary measures derived from the real-time monitors. It consists of the following sections:

Part 1: Indoor CO_2 data
- Weighted estimates of distributional parameters (mean and selected percentiles), for various summary CO_2 summary measures – for all classrooms and for portables and traditionals
- Approximate 95% confidence intervals for these parameters (where appropriate)
- Tests (approximate t tests) of differences in the means of the summary measures for portable and traditional classrooms

Part 2: Indoor temperature data
- Weighted estimates of distributional parameters (mean and selected percentiles), for various summary temperature summary measures – for all classrooms and for portables and traditionals
- Approximate 95% confidence intervals for these parameters (where appropriate)
- Tests (approximate t tests) of differences in the means of the summary measures for portable and traditional classrooms

Part 3: Indoor relative humidity data
- Weighted estimates of distributional parameters (mean and selected percentiles), for various summary relative humidity summary measures – for all classrooms and for portables and traditionals
- Approximate 95% confidence intervals for these parameters (where appropriate)
- Tests (approximate t tests) of differences in the means of the summary measures for portable and traditional classrooms

Part 4: Outdoor CO_2 data
- Weighted estimates of distributional parameters (mean and selected percentiles), for various summary CO_2 summary measures
- Approximate 95% confidence intervals for these parameters (where appropriate)

Part 5: Outdoor temperature data
- Weighted estimates of distributional parameters (mean and selected percentiles), for various summary temperature summary measures
- Approximate 95% confidence intervals for these parameters (where appropriate)

Part 6: Outdoor relative humidity data
- *Unweighted* estimates of distributional parameters (mean and selected percentiles), for various summary relative humidity summary measures
- Approximate 95% confidence intervals for these parameters (where appropriate)

Part 7: Indoor particle count data

- Weighted estimates of distributional parameters (mean and selected percentiles), for various summary particle count summary measures – for all classrooms and for portables and traditionals
- Approximate 95% confidence intervals for these parameters (where appropriate)
- Tests (approximate t tests) of differences in the means of the summary measures for portable and traditional classrooms

Part 8: Outdoor particle count data

- Weighted estimates of distributional parameters (mean and selected percentiles), for various summary particle count summary measures
- Approximate 95% confidence intervals for these parameters

Part 9: HVAC status data: *Unweighted* estimates of means, standard errors, and confidence intervals for various summary measures characterizing the amount of time HVAC units were run. These data are highly suspect.

Note: Hourly estimates are not population weighted.

Note: Inestimable percentiles and confidence intervals are denoted with "N".

SUMMARY OF INDOOR CO2 DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
% time CO2 conc>1000 ppm	All	136	195769	42.8	N	N	9.4	39.7	71.8	86.2	95.9
	Port	92	69447	42.1	N	N	12.5	41.4	65.6	82.4	86.6
	Trad	44	126322	43.2	N	N	9.0	39.5	70.9	86.2	96.0
% time CO2 conc>2000 ppm	All	136	195769	9.8	N	N	N	N	3.8	36.0	51.4
	Port	92	69447	9.2	N	N	N	N	16.5	35.4	40.5
	Trad	44	126322	10.1	N	N	N	N	0.5	35.6	N
Avg CO2 conc (ppm)	All	136	195769	1070.3	515.5	545.9	739.9	959.8	1239.8	1688.9	2030.7
	Port	92	69447	1063.5	510.2	547.2	739.6	947.4	1377.6	1655.9	1827.3
	Trad	44	126322	1074.1	517.0	545.8	735.6	959.9	1213.8	1708.6	N
Max 5-min avg CO2 conc (ppm)	All	136	195769	1770.7	688.9	863.2	1127.5	1574.2	2070.5	2924.5	3131.1
	Port	92	69447	1898.9	688.1	807.1	1127.3	1727.3	2343.7	3070.7	3845.4
	Trad	44	126322	1700.3	643.1	865.4	1120.7	1542.7	1967.7	2777.3	2943.6
Max hourly avg CO2 conc (ppm)	All	136	195769	1489.1	627.4	742.0	930.5	1344.0	1756.6	2646.2	2718.5
	Port	92	69447	1555.6	627.8	707.1	1016.2	1305.8	2145.2	2593.0	2744.1
	Trad	44	126322	1452.5	598.5	779.2	926.0	1333.0	1730.5	2645.8	2711.3
Avg CO2 conc (ppm) 8-9AM	All	87	1057	931.8	440.8	483.9	573.6	749.4	1031.9	1619.9	N
	Port	60	440	848.3	339.1	396.1	532.1	718.2	1000.2	1427.9	1577.0
	Trad	27	618	991.2	471.0	485.9	618.8	761.8	1056.3	N	N
Avg CO2 conc (ppm) 9-10AM	All	127	1427	1165.8	449.8	537.2	738.0	1040.0	1272.1	2278.1	2636.5
	Port	87	559	1233.7	440.6	450.2	685.9	1044.6	1508.2	2247.3	2699.5
	Trad	40	869	1122.1	456.5	521.2	743.3	943.4	1116.2	2244.8	N
Avg CO2 conc (ppm) 10-11AM	All	133	1502	1218.7	531.9	563.2	740.6	1098.4	1450.0	2287.2	2392.6
	Port	91	605	1171.7	497.6	554.6	717.9	1063.8	1483.2	1957.5	2288.9
	Trad	42	897	1250.5	537.4	566.2	751.9	1182.0	1425.9	2325.0	2400.1
Avg CO2 conc (ppm) 11AM-noon	All	132	1500	1243.1	477.1	551.7	732.7	1012.5	1588.2	2502.6	2528.7
	Port	90	603	1237.3	491.4	554.0	724.1	1006.3	1454.6	2164.0	2601.1

SUMMARY OF INDOOR CO2 DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Trad	42	897	1247.0	465.0	528.8	722.4	976.6	1632.1	2478.1	2515.9
Avg CO2 conc (ppm) noon-1PM	All	130	1499	1061.3	443.3	471.5	573.8	815.4	1350.1	2087.8	2588.2
	Port	87	592	1040.8	446.4	493.5	558.0	816.6	1283.5	1850.1	2440.1
	Trad	43	908	1074.6	414.7	469.0	568.2	757.7	1339.4	2341.4	N
Avg CO2 conc (ppm) 1-2PM	All	106	1172	991.5	433.0	468.2	633.3	740.0	1116.3	2043.3	2242.3
	Port	69	462	960.7	420.1	438.1	622.8	759.6	1083.3	1826.5	2035.0
	Trad	37	711	1011.6	435.6	473.7	625.6	695.6	1159.5	N	N

SUMMARY OF INDOOR CO2 DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
% time CO2 conc>1000 ppm	All	Lower	33.0	N	N	2.7	27.4	55.0	71.8	79.7
	All	Upper	52.6	N	5.7	27.8	62.7	80.2	96.0	96.0
	Port	Lower	33.9	N	N	N	27.9	56.9	69.5	79.6
	Port	Upper	50.2	N	N	30.6	59.0	77.8	86.6	N
	Trad	Lower	30.1	N	N	N	N	49.4	65.6	71.8
	Trad	Upper	56.3	N	N	32.0	64.8	84.7	96.0	96.0
% time CO2 conc>2000 ppm	All	Lower	1.7	N	N	N	N	N	12.1	24.6
	All	Upper	17.8	N	N	N	0.3	25.0	N	N
	Port	Lower	4.9	N	N	N	N	N	19.7	22.4
	Port	Upper	13.5	N	N	N	N	22.4	41.1	N
	Trad	Lower	-2.2	N	N	N	N	N	0.4	1.6
	Trad	Upper	22.3	N	N	N	0.1	34.9	N	N
Avg CO2 conc (ppm)	All	Lower	921.9	475.9	520.3	694.6	833.2	1048.7	1339.5	1493.6
	All	Upper	1218.7	610.3	712.9	859.3	1099.9	1504.7	N	N
	Port	Lower	941.8	475.3	510.1	637.3	882.1	1098.2	1437.0	1570.8
	Port	Upper	1185.3	632.0	701.8	891.7	1132.7	1603.5	N	N
	Trad	Lower	867.0	N	N	701.8	778.3	995.4	1190.6	1353.9
	Trad	Upper	1281.1	707.5	736.2	902.8	1152.3	1662.3	N	N
Max 5-min avg CO2 conc (ppm)	All	Lower	1570.4	594.6	706.6	1012.2	1412.3	1900.3	2431.8	2850.1
	All	Upper	1971.1	933.9	1071.3	1410.1	1947.6	2740.6	3022.2	3686.9
	Port	Lower	1617.1	610.2	684.9	932.7	1415.4	2052.1	2476.3	2892.2
	Port	Upper	2180.6	926.1	1078.6	1484.0	2067.5	2980.2	3856.5	N
	Trad	Lower	1445.1	N	632.4	956.9	1383.6	1601.2	1956.1	2157.3
	Trad	Upper	1955.4	1039.4	1116.3	1462.7	1927.0	2633.3	2955.2	N
Max hourly avg CO2 conc (ppm)	All	Lower	1313.2	548.5	631.3	847.5	1164.7	1480.7	2123.0	2399.4
	All	Upper	1664.9	785.8	892.8	1147.7	1578.0	2351.4	2716.8	2916.6

SUMMARY OF INDOOR CO2 DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Port	Lower	1345.5	545.5	627.4	790.0	1174.9	1650.0	2157.5	2434.8
	Port	Upper	1765.6	751.4	870.3	1172.8	1685.7	2454.5	2808.6	N
	Trad	Lower	1210.7	N	595.1	828.1	1096.3	1412.1	1729.5	1801.6
	Trad	Upper	1694.4	903.8	927.0	1241.8	1721.5	2600.6	2720.1	N

SUMMARY OF INDOOR CO2 DATA
ESTIMATED MEAN DIFFERENCES

Variable Description	No. Obs	Est. Pop Size	Mean (port)	Mean (trad)	Diff	Std. Error of Diff	t statistic	p value
% time CO2 conc>1000 ppm	136	195769	42.091	43.19	-1.099	6.5278	-0.17	0.867
% time CO2 conc>2000 ppm	136	195769	9.209	10.065	-0.856	6.4805	-0.13	0.895
Avg CO2 conc (ppm)	136	195769	1063.5	1074.1	-10.51	109.2	-0.10	0.924
Max 5-min avg CO2 conc (ppm)	136	195769	1898.9	1700.3	198.59	177.47	1.12	0.269
Max hourly avg CO2 conc (ppm)	136	195769	1555.6	1452.5	103.04	154.75	0.67	0.509

SUMMARY OF INDOOR TEMPERATURE DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
% time TEMP<17 deg C	All	148	195769	4.3	N	N	N	N	3.1	10.1	28.3
	Port	102	69447	6.3	N	N	N	N	4.7	23.3	36.0
	Trad	46	126322	3.2	N	N	N	N	1.3	9.7	16.3
% time TEMP<20 deg C	All	148	195769	20.5	N	N	1.5	10.7	25.9	58.2	80.5
	Port	102	69447	27.0	N	0.7	5.5	16.8	37.9	77.0	95.9
	Trad	46	126322	17.0	N	N	1.3	5.6	19.2	49.7	69.6
% time TEMP>23 deg C	All	148	195769	27.2	N	N	1.1	15.6	46.0	67.4	81.7
	Port	102	69447	27.0	N	N	2.4	19.8	43.2	59.2	70.4
	Trad	46	126322	27.3	N	N	0.0	14.6	46.2	68.5	84.2
% time TEMP>26 deg C	All	148	195769	4.4	N	N	N	N	N	9.3	28.5
	Port	102	69447	2.5	N	N	N	N	N	4.1	11.2
	Trad	46	126322	5.4	N	N	N	N	N	16.9	27.7
% time TEMP>29 deg C	All	148	195769	2.3	N	N	N	N	N	N	9.6
	Port	102	69447	0.8	N	N	N	N	N	N	N
	Trad	46	126322	3.1	N	N	N	N	N	1.0	10.2
Avg temperature	All	148	195769	21.8	18.2	18.9	20.6	21.9	22.7	23.7	24.0
	Port	102	69447	21.4	18.0	18.5	20.5	21.5	22.6	23.3	23.5
	Trad	46	126322	22.0	18.2	19.8	20.7	21.9	22.7	23.9	24.0
Max 5-min avg TEMP (deg C)	All	148	195769	24.7	20.5	21.4	22.9	24.5	25.2	28.6	30.8
	Port	102	69447	24.6	20.0	20.9	23.2	24.5	25.7	27.5	28.6
	Trad	46	126322	24.7	20.5	21.5	22.8	23.9	25.0	28.9	30.7
Min 5-min avg TEMP (deg C)	All	148	195769	17.6	12.7	15.0	16.1	18.0	19.4	20.4	21.1
	Port	102	69447	17.1	12.3	12.8	15.8	17.6	19.1	19.8	20.7
	Trad	46	126322	17.9	15.0	15.1	16.1	18.0	19.4	20.4	21.7
Max hourly avg TEMP (deg C)	All	148	195769	23.3	19.7	20.6	21.9	23.1	24.3	26.2	26.7
	Port	102	69447	23.2	18.9	20.2	22.0	23.2	24.5	25.5	26.3

SUMMARY OF INDOOR TEMPERATURE DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Trad	46	126322	23.3	19.7	20.6	21.7	22.9	24.3	25.9	26.7
Min hourly avg TEMP (deg C)	All	148	195769	19.8	15.5	17.3	18.6	20.1	21.5	22.4	22.5
	Port	102	69447	19.2	15.2	16.3	18.1	19.4	20.8	21.6	22.3
	Trad	46	126322	20.1	14.1	17.3	18.9	20.3	21.8	22.5	23.0
Avg TEMP (deg C) 8-9AM	All	93	1093	20.4	16.1	16.5	18.8	20.4	21.8	22.9	23.5
	Port	66	475	19.2	14.1	15.6	17.5	19.5	20.9	22.2	22.9
	Trad	27	618	21.4	17.2	18.4	19.4	21.5	22.4	23.0	25.5
Avg TEMP (deg C) 9-10AM	All	139	1540	21.1	16.4	18.1	20.4	21.4	22.5	23.1	24.2
	Port	97	626	20.6	16.3	17.3	19.3	21.0	22.0	23.0	23.6
	Trad	42	914	21.5	13.1	18.7	20.7	22.0	22.5	23.1	24.8
Avg TEMP (deg C) 10-11AM	All	145	1615	21.7	17.6	18.7	20.5	21.9	22.7	24.2	25.0
	Port	101	673	21.2	17.9	18.4	19.5	21.7	22.5	23.6	24.5
	Trad	44	942	22.0	14.0	19.2	20.8	22.0	22.7	24.2	25.4
Avg TEMP (deg C) 11AM-noon	All	144	1613	22.0	16.9	19.1	20.8	22.2	23.1	24.2	25.0
	Port	100	671	22.0	18.8	19.2	20.7	22.2	23.1	24.1	24.9
	Trad	44	942	21.9	14.0	18.6	20.8	22.3	23.0	24.2	24.8
Avg TEMP (deg C) noon-1PM	All	142	1612	21.8	17.6	19.1	20.8	22.2	23.2	23.8	24.6
	Port	97	659	21.8	17.5	18.7	20.5	22.2	23.2	23.8	24.5
	Trad	45	953	21.8	15.9	19.7	20.9	22.3	23.1	24.0	24.3
Avg TEMP (deg C) 1-2PM	All	115	1268	21.9	17.3	18.7	20.7	22.4	23.2	24.5	24.6
	Port	76	512	22.2	15.9	18.6	21.2	22.3	23.3	24.5	25.2
	Trad	39	756	21.8	15.4	18.5	20.5	22.5	23.0	24.3	24.5

SUMMARY OF INDOOR TEMPERATURE DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
% time TEMP<17 deg C	All	Lower	1.3	N	N	N	N	N	4.0	7.7
	All	Upper	7.3	N	N	N	0.4	9.5	30.6	34.5
	Port	Lower	2.7	N	N	N	N	N	7.6	16.8
	Port	Upper	9.9	N	N	N	N	9.7	35.7	37.0
	Trad	Lower	0.3	N	N	N	N	N	1.0	2.7
	Trad	Upper	6.2	N	N	N	0.3	9.4	23.5	29.2
% time TEMP<20 deg C	All	Lower	13.9	N	N	1.2	5.3	16.1	38.6	51.1
	All	Upper	27.2	0.5	1.3	5.3	16.2	44.8	80.1	N
	Port	Lower	18.7	N	N	4.5	10.8	19.9	43.0	63.1
	Port	Upper	35.3	3.8	5.2	14.5	24.5	55.3	N	N
	Trad	Lower	9.4	N	N	N	N	10.5	20.5	34.9
	Trad	Upper	24.6	N	N	4.4	13.5	38.1	73.5	N
% time TEMP>23 deg C	All	Lower	20.2	N	N	N	5.1	38.9	52.3	58.5
	All	Upper	34.2	N	N	7.9	37.8	56.6	82.3	N
	Port	Lower	19.8	N	N	N	12.2	38.1	45.2	53.8
	Port	Upper	34.2	N	N	14.0	39.2	54.5	73.1	N
	Trad	Lower	16.9	N	N	N	N	28.7	46.1	54.0
	Trad	Upper	37.8	N	N	N	41.8	64.8	N	N
% time TEMP>26 deg C	All	Lower	0.6	N	N	N	N	N	N	2.0
	All	Upper	8.2	N	N	N	N	2.0	28.5	N
	Port	Lower	-0.3	N	N	N	N	N	1.5	2.0
	Port	Upper	5.3	N	N	N	N	1.9	22.7	41.5
	Trad	Lower	-0.3	N	N	N	N	N	N	N
	Trad	Upper	11.1	N	N	N	N	8.0	N	N
% time TEMP>29 deg C	All	Lower	-0.6	N	N	N	N	N	N	N
	All	Upper	5.2	N	N	N	N	N	9.9	N

SUMMARY OF INDOOR TEMPERATURE DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Port	Lower	-0.2	N	N	N	N	N	N	N
	Port	Upper	1.8	N	N	N	N	N	N	17.8
	Trad	Lower	-1.4	N	N	N	N	N	N	N
	Trad	Upper	7.7	N	N	N	N	0.2	N	N
Avg temperature	All	Lower	21.2	14.2	17.5	20.2	21.3	22.5	22.8	23.0
	All	Upper	22.3	20.0	20.4	21.3	22.5	23.0	24.0	N
	Port	Lower	20.8	15.5	17.7	19.0	21.1	22.0	22.7	23.0
	Port	Upper	21.9	18.9	20.3	21.3	22.1	23.0	23.8	N
	Trad	Lower	21.2	13.8	16.7	20.1	21.2	22.5	22.7	22.8
	Trad	Upper	22.8	20.4	20.6	21.7	22.6	23.7	N	N
Max 5-min avg TEMP (deg C)	All	Lower	23.8	18.1	20.5	22.6	23.6	24.8	25.8	27.2
	All	Upper	25.6	22.5	22.8	23.7	24.9	26.9	30.8	N
	Port	Lower	23.8	17.2	19.6	21.9	24.0	25.1	26.1	27.1
	Port	Upper	25.3	22.0	22.8	24.1	25.1	26.8	28.6	N
	Trad	Lower	23.5	18.6	20.5	22.4	23.0	24.7	24.9	25.5
	Trad	Upper	26.0	22.7	22.9	23.7	24.8	28.1	N	N
Min 5-min avg TEMP (deg C)	All	Lower	16.9	8.6	12.7	15.4	17.4	18.7	19.7	20.0
	All	Upper	18.3	15.2	15.8	17.6	18.9	19.8	21.1	N
	Port	Lower	16.4	9.2	12.0	13.9	16.7	18.2	19.3	19.6
	Port	Upper	17.8	13.3	15.4	16.7	18.4	19.5	20.7	20.9
	Trad	Lower	17.0	10.0	15.0	15.4	17.6	18.6	19.5	19.9
	Trad	Upper	18.8	15.7	16.2	17.9	19.4	20.1	N	N
Max hourly avg TEMP (deg C)	All	Lower	22.6	18.4	19.7	20.9	22.3	23.7	24.7	25.1
	All	Upper	24.0	20.8	21.5	22.3	23.6	24.9	26.7	N
	Port	Lower	22.6	17.0	18.9	20.6	22.8	23.7	24.7	24.9
	Port	Upper	23.8	20.7	21.8	22.9	23.7	24.8	N	N

SUMMARY OF INDOOR TEMPERATURE DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Trad	Lower	22.3	19.2	19.5	20.8	22.2	23.2	24.3	24.6
	Trad	Upper	24.4	21.0	21.8	22.6	23.9	25.6	N	N
Min hourly avg TEMP (deg C)	All	Lower	19.2	11.8	15.5	17.9	19.6	20.6	21.7	22.2
	All	Upper	20.4	17.8	18.3	19.7	20.7	22.2	22.5	N
	Port	Lower	18.7	13.7	15.2	17.5	18.5	20.3	20.9	21.5
	Port	Upper	19.8	17.4	18.0	18.6	20.4	21.4	22.4	22.5
	Trad	Lower	19.4	10.0	13.0	18.3	19.8	20.5	21.7	22.1
	Trad	Upper	20.9	18.5	18.9	20.1	21.5	22.3	N	N

SUMMARY OF INDOOR TEMPERATURE DATA
ESTIMATED MEAN DIFFERENCES

Variable Description	No. Obs	Est. Pop Size	Mean (port)	Mean (trad)	Diff	Std. Error of Diff	t statistic	p value
% time TEMP<17 deg C	148	195769	6.2652	3.2404	3.0248	1.1009	2.75	0.008
% time TEMP<20 deg C	148	195769	26.982	16.966	10.016	4.4751	2.24	0.029
% time TEMP>23 deg C	148	195769	26.992	27.345	-0.352	6.6652	-0.05	0.958
% time TEMP>26 deg C	148	195769	2.5405	5.4052	-2.865	3.1641	-0.91	0.369
% time TEMP>29 deg C	148	195769	0.7637	3.1425	-2.379	2.3286	-1.02	0.312
Avg temperature	148	195769	21.353	22.004	-0.651	0.4369	-1.49	0.142
Max 5-min avg TEMP (deg C)	148	195769	24.556	24.73	-0.174	0.6933	-0.25	0.802
Min 5-min avg TEMP (deg C)	148	195769	17.11	17.918	-0.808	0.4556	-1.77	0.082
Max hourly avg TEMP (deg C)	148	195769	23.186	23.347	-0.162	0.5717	-0.28	0.779
Min hourly avg TEMP (deg C)	148	195769	19.245	20.137	-0.893	0.4093	-2.18	0.034

SUMMARY OF INDOOR RELATIVE HUMIDITY DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
% time Rel Humidity<30%	All	148	195769	11.3	N	N	N	N	0.8	30.8	N
	Port	102	69447	11.0	N	N	N	N	N	27.4	N
	Trad	46	126322	11.4	N	N	N	N	0.9	30.8	N
% time Rel Humidity>50%	All	148	195769	45.3	N	N	0.3	29.3	94.8	N	N
	Port	102	69447	44.7	N	N	0.3	39.8	90.3	N	N
	Trad	46	126322	45.6	N	N	0.3	20.3	95.0	N	N
% time Rel Humidity>60%	All	148	195769	14.1	N	N	N	0.5	13.5	63.1	69.5
	Port	102	69447	16.9	N	N	N	0.3	13.0	71.2	91.5
	Trad	46	126322	12.6	N	N	N	0.9	14.0	39.9	57.5
Avg relative humidity (%)	All	148	195769	46.2	16.0	31.7	36.0	48.6	55.6	61.8	62.8
	Port	102	69447	46.8	16.3	32.0	39.3	48.6	55.3	62.9	63.6
	Trad	46	126322	45.9	15.4	31.6	35.4	46.7	55.4	59.7	61.4
Max 5-min avg rel. humidity	All	148	195769	58.1	24.9	39.3	47.7	59.4	69.4	76.0	82.1
	Port	102	69447	57.5	23.5	41.6	47.1	58.6	66.5	74.3	78.1
	Trad	46	126322	58.4	25.2	36.5	47.7	61.4	69.7	75.8	82.2
Min 5-min avg rel. humidity	All	148	195769	38.9	11.6	23.5	30.1	40.4	47.7	53.6	55.1
	Port	102	69447	39.4	10.6	23.2	31.6	41.8	47.7	53.7	56.2
	Trad	46	126322	38.7	11.2	22.0	29.9	40.0	47.5	53.0	53.7
Max hourly avg rel. humidity	All	148	195769	50.3	21.9	34.0	40.0	52.6	59.3	66.8	69.8
	Port	102	69447	50.8	20.9	34.8	41.9	52.6	59.9	67.4	69.7
	Trad	46	126322	50.0	20.9	33.9	39.0	50.7	59.0	66.6	68.6
Min hourly avg rel. humidity	All	148	195769	41.7	12.4	26.5	32.6	43.8	51.9	55.2	57.7
	Port	102	69447	42.4	12.6	26.3	34.8	44.1	51.2	58.7	61.3
	Trad	46	126322	41.3	11.8	27.8	30.9	43.0	52.0	54.7	55.3
Avg relative humidity 8-9AM	All	93	1093	50.7	15.7	34.9	42.3	52.1	60.1	69.5	70.1
	Port	66	475	51.3	23.0	36.0	43.7	51.1	62.8	66.9	69.8

SUMMARY OF INDOOR RELATIVE HUMIDITY DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Trad	27	618	50.2	13.7	29.9	39.2	52.4	59.1	N	N
Avg relative humidity 9-10AM	All	139	1540	49.0	17.1	31.4	40.4	50.5	58.8	65.1	66.3
	Port	97	626	49.7	30.6	36.5	43.4	50.0	58.4	65.4	66.6
	Trad	42	914	48.5	15.1	25.7	37.2	50.8	58.3	63.0	65.6
Avg relative humidity 10-11AM	All	145	1615	48.4	18.3	31.6	40.2	49.5	58.3	66.0	66.5
	Port	101	673	47.8	17.8	32.0	41.3	48.8	54.6	64.1	65.3
	Trad	44	942	48.9	17.6	29.6	36.9	51.8	58.4	65.2	66.5
Avg relative humidity 11AM-noon	All	144	1613	47.5	20.9	32.8	38.9	48.9	56.9	61.0	63.6
	Port	100	671	47.1	19.6	32.5	39.1	48.0	54.5	62.5	64.8
	Trad	44	942	47.9	18.2	32.8	38.3	52.1	58.7	60.9	61.1
Avg relative humidity noon-1PM	All	142	1612	46.5	21.9	31.2	37.2	48.8	55.9	58.7	62.1
	Port	97	659	45.8	18.8	31.0	38.8	46.1	53.8	60.5	64.0
	Trad	45	953	46.9	23.2	30.8	36.6	50.4	56.8	58.4	59.5
Avg relative humidity 1-2PM	All	115	1268	46.6	16.6	29.6	36.5	47.8	58.0	62.4	62.9
	Port	76	512	45.2	N	26.5	35.6	46.7	57.3	60.0	63.7
	Trad	39	756	47.5	24.3	29.9	37.2	48.1	58.8	N	N

SUMMARY OF INDOOR RELATIVE HUMIDITY DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
% time Rel Humidity<30%	All	Lower	2.8	N	N	N	N	N	3.6	18.5
	All	Upper	19.8	N	N	N	N	19.5	N	N
	Port	Lower	0.4	N	N	N	N	N	3.1	10.8
	Port	Upper	21.5	N	N	N	N	24.1	N	N
	Trad	Lower	2.3	N	N	N	N	N	0.8	12.2
	Trad	Upper	20.5	N	N	N	N	19.0	N	N
% time Rel Humidity>50%	All	Lower	31.2	N	N	N	2.1	74.4	N	N
	All	Upper	59.3	N	N	4.9	85.6	N	N	N
	Port	Lower	30.1	N	N	N	N	56.8	N	N
	Port	Upper	59.3	N	N	N	85.9	N	N	N
	Trad	Lower	28.7	N	N	N	0.5	72.1	90.9	96.0
	Trad	Upper	62.5	N	0.3	5.2	87.7	N	N	N
% time Rel Humidity>60%	All	Lower	5.5	N	N	N	N	1.6	13.3	34.1
	All	Upper	22.7	N	N	N	3.1	43.8	67.6	88.0
	Port	Lower	5.2	N	N	N	N	1.2	10.8	38.5
	Port	Upper	28.6	N	N	N	2.1	67.0	92.3	N
	Trad	Lower	3.6	N	N	N	N	1.1	9.1	15.2
	Trad	Upper	21.5	N	N	0.0	8.0	35.9	60.5	67.3
Avg relative humidity (%)	All	Lower	41.8	14.2	15.6	32.9	42.3	52.0	55.5	59.1
	All	Upper	50.6	33.8	35.9	44.9	53.5	60.9	63.0	63.8
	Port	Lower	41.7	N	16.0	34.1	43.6	50.5	54.9	58.4
	Port	Upper	51.9	36.3	38.7	44.3	53.1	61.9	63.7	N
	Trad	Lower	41.0	N	14.8	33.4	39.3	52.0	54.8	55.7
	Trad	Upper	50.8	34.4	35.8	45.6	54.7	59.6	61.8	N
Max 5-min avg rel. humidity	All	Lower	52.9	22.1	23.8	43.6	53.7	62.7	69.5	71.5
	All	Upper	63.2	43.8	46.2	54.9	63.9	73.8	82.3	83.4

SUMMARY OF INDOOR RELATIVE HUMIDITY DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Port	Lower	51.9	N	22.5	42.6	53.6	62.1	68.1	71.1
	Port	Upper	63.0	44.3	46.7	55.6	63.5	72.3	78.3	N
	Trad	Lower	52.4	N	23.5	41.0	51.7	62.4	69.5	70.5
	Trad	Upper	64.3	45.4	47.3	56.2	66.3	74.2	N	N
Min 5-min avg rel. humidity	All	Lower	34.9	9.6	11.2	24.7	35.6	45.5	48.5	51.3
	All	Upper	43.0	26.6	29.7	36.9	45.9	53.1	55.0	55.9
	Port	Lower	34.6	N	9.8	25.1	36.2	44.1	47.7	51.2
	Port	Upper	44.1	26.5	30.0	38.3	46.2	52.8	56.2	N
	Trad	Lower	34.1	N	10.3	23.6	33.2	45.1	46.6	49.0
	Trad	Upper	43.4	29.1	30.2	39.1	46.3	52.8	53.8	N
Max hourly avg rel. humidity	All	Lower	45.7	17.1	21.6	38.4	45.6	55.4	59.2	N
	All	Upper	54.9	38.4	39.7	47.3	58.3	66.1	70.0	70.2
	Port	Lower	45.5	N	19.2	38.9	45.7	54.5	59.9	63.4
	Port	Upper	56.0	39.5	41.4	49.2	56.2	66.4	69.7	N
	Trad	Lower	45.0	N	18.9	36.6	43.5	55.4	58.8	59.7
	Trad	Upper	55.1	38.3	39.7	48.3	58.6	66.1	69.1	69.8
Min hourly avg rel. humidity	All	Lower	37.5	10.2	12.2	29.0	37.6	47.8	52.1	53.8
	All	Upper	45.8	29.7	31.4	40.7	49.5	54.7	57.9	60.9
	Port	Lower	37.4	N	11.8	27.9	38.9	47.2	51.3	54.9
	Port	Upper	47.4	30.0	33.5	41.7	48.4	56.3	61.9	N
	Trad	Lower	36.5	N	11.0	28.3	35.7	46.3	51.6	52.1
	Trad	Upper	46.0	30.0	31.3	41.5	51.1	54.6	55.4	N

SUMMARY OF INDOOR RELATIVE HUMIDITY DATA
ESTIMATED MEAN DIFFERENCES

Variable Description	No. Obs	Est. Pop Size	Mean (port)	Mean (trad)	Diff	Std. Error of Diff	t statistic	p value
% time Rel Humidity<30%	148	195769	10.97	11.449	-0.478	4.7079	-0.10	0.919
% time Rel Humidity>50%	148	195769	44.674	45.605	-0.931	8.2767	-0.11	0.911
% time Rel Humidity>60%	148	195769	16.884	12.587	4.2975	5.3975	0.80	0.429
Avg relative humidity (%)	148	195769	46.779	45.894	0.8846	2.3886	0.37	0.713
Max 5-min avg rel. humidity	148	195769	57.47	58.394	-0.924	2.799	-0.33	0.743
Min 5-min avg rel. humidity	148	195769	39.367	38.706	0.6607	2.4701	0.27	0.790
Max hourly avg rel. humidity	148	195769	50.752	50.041	0.7111	2.3738	0.30	0.766
Min hourly avg rel. humidity	148	195769	42.416	41.254	1.1621	2.5024	0.46	0.644

SUMMARY OF OUTDOOR CO2 DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER SCHOOLS

Variable Description	n	Est. No. Schools	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
Avg CO2 conc (ppm)	49	6506	426.5	N	344.2	399.6	424.0	449.5	483.7	510.5
Max 5-min avg CO2 conc (ppm)	49	6506	521.1	398.8	414.5	464.1	504.7	562.2	628.2	655.3
Max hourly avg CO2 conc (ppm)	49	6506	456.3	N	367.9	417.7	459.1	493.6	508.4	529.5
Avg CO2 conc (ppm) 8-9AM	9	9	508.6	N	N	454.1	493.5	530.7	N	N
Avg CO2 conc (ppm) 9-10AM	39	39	462.8	373.4	400.4	424.3	460.8	495.7	523.9	529.6
Avg CO2 conc (ppm) 10-11AM	47	47	441.7	357.7	379.7	410.2	436.5	474.8	509.3	521.5
Avg CO2 conc (ppm) 11AM-noon	48	48	428.7	346.7	350.2	393.2	422.4	463.8	496.7	520.4
Avg CO2 conc (ppm) noon-1PM	47	47	420.8	340.9	350.1	390.7	414.8	443.7	496.7	506.5
Avg CO2 conc (ppm) 1-2PM	44	44	415.3	335.1	345.3	384.0	410.3	436.8	486.1	496.5

SUMMARY OF OUTDOOR CO2 DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
Avg CO2 conc (ppm)	Lower	409.5	N	N	355.5	415.5	434.0	453.7	478.8
	Upper	443.5	390.4	399.7	419.9	445.3	481.7	N	N
Max 5-min avg CO2 conc (ppm)	Lower	492.1	N	395.5	426.7	477.9	533.7	564.5	596.2
	Upper	550.1	439.8	462.8	485.5	554.8	619.1	661.1	N
Max hourly avg CO2 conc (ppm)	Lower	436.5	N	N	387.4	437.3	463.5	494.4	502.4
	Upper	476.1	405.8	417.5	453.6	480.0	506.4	N	N

SUMMARY OF OUTDOOR TEMPERATURE DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER SCHOOLS

Variable Description	n	Est. No. Schools	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
Avg temperature	52	6506	18.2	8.6	9.9	11.1	14.7	23.5	28.9	30.2
Max 5-min avg TEMP (deg C)	52	6506	22.6	10.1	14.0	15.5	20.5	28.1	33.2	35.4
Min 5-min avg TEMP (deg C)	52	6506	12.7	0.2	1.2	7.5	12.8	18.3	21.5	22.5
Max hourly avg TEMP (deg C)	52	6506	21.2	9.2	13.6	15.0	18.3	26.4	31.9	34.4
Min hourly avg TEMP (deg C)	52	6506	14.6	2.8	4.4	7.8	13.6	21.1	25.6	26.8
Avg TEMP (deg C) 8-9AM	11	11	11.2	N	0.4	4.7	7.2	16.4	21.8	N
Avg TEMP (deg C) 9-10AM	42	42	14.3	3.9	6.0	8.5	12.8	18.4	24.8	25.9
Avg TEMP (deg C) 10-11AM	50	50	16.9	8.0	8.4	10.9	14.9	21.6	27.4	28.7
Avg TEMP (deg C) 11AM-noon	51	51	18.6	9.5	11.7	12.5	16.6	23.3	29.6	30.9
Avg TEMP (deg C) noon-1PM	50	50	19.8	10.1	12.5	13.8	17.8	24.8	30.3	32.4
Avg TEMP (deg C) 1-2PM	47	47	20.0	9.7	12.7	14.5	16.5	24.7	31.2	33.6

SUMMARY OF OUTDOOR TEMPERATURE DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
Avg temperature	Lower	15.4	N	8.4	10.0	12.9	20.3	23.4	24.1
	Upper	21.0	10.5	11.1	13.7	22.7	28.5	N	N
Max 5-min avg TEMP (deg C)	Lower	20.0	N	9.4	15.3	17.4	24.9	27.6	31.0
	Upper	25.3	15.1	15.5	17.4	26.3	31.6	N	N
Min 5-min avg TEMP (deg C)	Lower	9.9	N	-0.6	2.1	8.4	15.7	18.2	19.7
	Upper	15.5	5.1	7.5	11.0	17.1	20.8	N	N
Max hourly avg TEMP (deg C)	Lower	18.5	N	8.9	14.4	15.3	22.4	25.9	29.5
	Upper	23.9	14.2	14.8	16.1	25.0	30.6	N	N
Min hourly avg TEMP (deg C)	Lower	11.7	N	1.3	4.6	10.5	17.2	21.1	21.8
	Upper	17.6	6.4	7.9	12.1	18.7	24.6	N	N

SUMMARY OF OUTDOOR RELATIVE HUMIDITY DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER SCHOOLS

Variable Description	n	Est. No. Schools	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
Avg relative humidity (%)	28	28	47.9	12.9	18.1	33.0	48.6	60.9	65.5	72.3
Max 5-min avg rel. humidity	29	29	68.2	28.7	38.3	49.4	70.5	85.4	90.4	93.1
Min 5-min avg rel. humidity	29	29	36.8	6.1	9.7	24.0	36.5	45.4	61.6	64.8
Max hourly avg rel. humidity	29	29	61.7	22.3	26.6	44.8	62.2	82.0	87.5	88.9
Min hourly avg rel. humidity	29	29	39.5	7.7	12.6	25.9	40.2	48.3	64.1	68.0
Avg relative humidity 8-9AM	5	5	66.8	N	N	36.2	65.2	83.3	N	N
Avg relative humidity 9-10AM	24	24	62.9	25.7	27.9	48.1	65.2	83.0	86.0	86.7
Avg relative humidity 10-11AM	28	28	53.4	18.6	24.0	39.3	51.8	67.7	77.5	82.8
Avg relative humidity 11AM-noon	28	28	46.2	10.0	18.7	35.2	44.9	58.8	66.1	74.7
Avg relative humidity noon-1PM	27	27	44.1	10.8	15.5	28.7	44.6	55.1	67.1	70.0
Avg relative humidity 1-2PM	25	25	40.6	8.4	11.8	26.8	44.2	50.7	63.4	66.7

SUMMARY OF OUTDOOR RELATIVE HUMIDITY DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
Avg relative humidity (%)	Lower	41.1	N	N	20.3	40.5	54.0	60.3	62.5
	Upper	54.7	29.8	35.4	47.3	57.8	64.6	N	N
Max 5-min avg rel. humidity	Lower	60.8	N	N	41.0	56.4	73.3	84.5	87.9
	Upper	75.5	45.6	51.4	69.1	76.7	90.2	N	N
Min 5-min avg rel. humidity	Lower	30.0	N	N	13.6	25.2	39.0	44.4	49.0
	Upper	43.6	18.6	24.2	32.8	43.6	60.0	N	N
Max hourly avg rel. humidity	Lower	53.7	N	N	27.8	52.7	65.8	78.8	85.6
	Upper	69.7	39.5	46.9	60.6	70.6	87.0	N	N
Min hourly avg rel. humidity	Lower	32.6	N	N	16.8	28.2	42.9	47.7	50.0
	Upper	46.4	22.1	26.2	35.8	46.4	61.9	N	N

SUMMARY OF PARTICLE COUNT DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
0.5-2.5um particles/min	All	169	195769	43863	6599.7	8037.9	12710	19552	35439	72721	233869
	Port	113	69447	52683	6085.9	7315.1	10170	25108	39227	201547	270444
	Trad	56	126322	39015	6705.7	8181.3	13204	17616	34698	62181	119291
2.5-5.0um particles/min	All	169	195769	2157.8	460.4	639.5	1026.8	1545.0	2691.7	4224.4	6147.2
	Port	113	69447	2072.9	378.5	483.6	1018.6	1804.4	2763.9	3867.7	4221.8
	Trad	56	126322	2204.4	464.3	646.8	968.1	1461.4	2475.8	4596.6	N.
5-10um particles/min	All	169	195769	607.5	123.2	154.6	233.7	444.6	733.9	1105.5	1784.3
	Port	113	69447	589.7	99.5	124.0	283.2	567.2	822.8	957.4	1162.9
	Trad	56	126322	617.3	130.6	171.6	197.7	424.1	721.1	1421.0	N.
>10um particles/min	All	169	195769	87.8	1.4	3.8	15.7	45.2	102.4	211.7	318.5
	Port	113	69447	59.4	0.8	1.9	12.9	33.9	55.1	128.7	250.7
	Trad	56	126322	103.4	1.8	6.1	17.3	55.7	122.4	218.3	N.
<=10um particles/min	All	169	195769	46629	7448.6	9130.6	14643	22988	43972	75885	236032
	Port	113	69447	55345	6923.7	7964.3	11740	27203	42647	204124	274934
	Trad	56	126322	41837	8416.1	9443.5	14901	20774	43255	66938	121456
0.5-2.5um particles/min 8-9AM	All	55	629	47132	2602.4	3852.6	11537	27547	49179	86524	240453
	Port	39	290	61695	N.	2770.3	10290	32446	61292	195216	241792
	Trad	16	339	34694	N.	3985.2	11362	19354	29737	66590	70962
0.5-2.5um particles/min 9-10AM	All	152	1683	55083	4600.4	7328.8	13458	27881	43797	102872	250246
	Port	100	649	67902	4059.6	6642.9	12034	28754	65335	201236	297035
	Trad	52	1034	47037	4792.3	8311.4	14029	26253	38725	75364	168597
0.5-2.5um particles/min 10-11AM	All	167	1806	53535	5076.4	7277.9	13078	21882	40044	100276	332127
	Port	113	738	64043	5738.1	6881.2	11019	25582	52660	205923	326593
	Trad	54	1068	46273	4887.8	8264.1	13316	17915	34484	96946	334979
0.5-2.5um particles/min 11-noon	All	168	1870	54857	6415.8	8280.0	13145	21207	36785	110677	321721
	Port	112	711	67417	5241.3	7589.4	12486	23492	45144	245771	333641
	Trad	56	1159	47152	6054.7	8071.6	13345	18082	32091	79022	192051
0.5-2.5um particles/min noon-1PM	All	165	1838	55791	5398.4	7179.0	12802	20618	46399	146023	314653

SUMMARY OF PARTICLE COUNT DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Port	109	674	67823	4990.8	6590.0	12987	22634	44003	280755	337805
	Trad	56	1164	48829	5013.2	7631.0	12786	19665	46554	103529	192381
0.5-2.5um particles/min 1-2PM	All	150	1681	58577	5815.7	7563.9	10719	23142	45037	148000	292211
	Port	100	621	66307	4715.2	5954.6	12951	24176	42678	270705	297022
	Trad	50	1060	54049	6541.7	8639.6	10161	20800	45521	129650	217855
2.5-5um particles/min 8-9AM	All	55	629	1931.3	208.4	355.2	602.7	1273.9	2232.9	5042.8	5643.1
	Port	39	290	2205.2	349.7	376.9	584.7	1844.6	2354.6	4909.2	6843.9
	Trad	16	339	1697.5	N.	215.9	523.8	931.1	1978.9	3664.6	N.
2.5-5um particles/min 9-10AM	All	152	1683	2500.3	420.3	495.3	850.6	1543.3	2636.6	5810.2	8329.1
	Port	100	649	2467.1	336.9	407.7	945.9	1717.3	3330.7	5028.8	6223.0
	Trad	52	1034	2521.2	470.6	536.1	817.8	1539.0	2409.6	6037.1	8347.7
2.5-5um particles/min 10-11AM	All	167	1806	2493.3	321.5	424.0	863.4	1671.3	2958.2	4727.6	6913.4
	Port	113	738	2569.8	271.5	432.6	795.1	1829.0	3311.4	4700.2	6508.2
	Trad	54	1068	2440.4	274.7	348.3	865.8	1519.0	2568.8	4451.0	7072.3
2.5-5um particles/min 11-noon	All	168	1870	2068.6	333.1	443.1	710.3	1617.8	2784.8	4808.8	5238.4
	Port	112	711	2166.3	190.8	387.0	808.5	1957.9	2852.7	4624.3	5043.0
	Trad	56	1159	2008.7	346.8	444.0	695.3	1567.6	2529.3	4858.1	5460.1
2.5-5um particles/min noon-1PM	All	165	1838	1955.2	328.6	516.1	767.6	1512.4	2698.9	4103.4	4603.1
	Port	109	674	2100.6	237.3	343.8	783.0	1753.4	2703.5	4488.7	5234.7
	Trad	56	1164	1871.0	355.2	560.8	722.8	1406.4	2687.2	3766.4	4191.1
2.5-5um particles/min 1-2PM	All	150	1681	2155.8	275.5	444.0	729.9	1396.8	2368.0	3771.0	4514.0
	Port	100	621	1853.9	148.0	198.8	655.6	1451.7	2658.9	4030.0	4664.8
	Trad	50	1060	2332.7	443.4	567.4	733.2	1339.0	2085.1	3543.9	4183.0
5-10um particles/min 8-9AM	All	55	629	563.2	58.6	60.9	109.2	316.9	647.0	1550.2	1990.6
	Port	39	290	658.9	67.3	102.1	122.6	491.9	707.7	1503.7	1969.9
	Trad	16	339	481.5	N.	58.7	62.5	262.9	605.8	1099.6	N.
5-10um particles/min 9-10AM	All	152	1683	732.4	101.8	139.3	231.4	434.6	795.4	1865.6	2655.9
	Port	100	649	706.5	69.7	102.1	266.5	498.4	1037.4	1599.1	1962.0

SUMMARY OF PARTICLE COUNT DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Trad	52	1034	748.7	110.4	150.8	225.0	387.5	718.9	2101.9	2596.7
5-10um particles/min 10-11AM	All	167	1806	709.5	55.9	129.4	233.1	417.0	886.7	1292.1	2064.7
	Port	113	738	736.2	59.9	122.5	223.1	535.4	983.9	1500.2	2263.0
	Trad	54	1068	691.1	41.7	113.1	241.9	398.2	802.7	1167.8	1960.3
5-10um particles/min 11-noon	All	168	1870	568.8	91.1	107.3	190.5	408.8	784.2	1267.2	1416.3
	Port	112	711	612.1	23.5	96.9	210.2	581.5	832.9	1091.8	1375.9
	Trad	56	1159	542.3	59.7	107.9	159.7	370.2	696.5	1262.7	1415.9
5-10um particles/min noon-1PM	All	165	1838	530.5	72.4	113.4	228.8	440.0	831.7	957.4	1231.9
	Port	109	674	564.6	40.5	71.8	228.3	476.4	848.3	1145.5	1366.6
	Trad	56	1164	510.8	80.9	155.9	220.3	418.7	819.1	938.3	969.9
5-10um particles/min 1-2PM	All	150	1681	600.5	44.9	81.9	208.5	346.4	620.7	1079.6	1476.7
	Port	100	621	515.5	21.1	44.6	130.5	360.8	747.9	1363.2	1508.0
	Trad	50	1060	650.3	64.5	140.5	223.1	338.4	528.8	1003.0	1114.0
>10um particles/min 8-9AM	All	55	629	50.6	N.	N.	0.3	9.4	56.8	154.9	235.3
	Port	39	290	69.8	N.	N.	0.1	10.2	57.1	194.8	370.4
	Trad	16	339	34.3	N.	N.	0.4	8.2	16.7	82.0	N.
>10um particles/min 9-10AM	All	152	1683	86.6	N.	0.6	3.9	25.7	115.2	205.7	342.1
	Port	100	649	67.2	N.	0.0	3.5	16.9	69.8	191.2	284.1
	Trad	52	1034	98.8	0.1	0.9	3.1	41.3	126.5	191.9	379.4
>10um particles/min 10-11AM	All	167	1806	75.7	0.1	1.6	10.8	30.3	91.3	222.0	287.3
	Port	113	738	71.3	N.	0.8	10.3	29.5	66.7	184.9	347.0
	Trad	54	1068	78.7	0.3	2.8	10.8	30.2	97.9	227.1	279.1
>10um particles/min 11-noon	All	168	1870	75.2	0.7	4.5	11.5	37.3	99.9	227.5	276.7
	Port	112	711	66.2	0.1	1.7	9.7	29.4	74.4	194.8	250.9
	Trad	56	1159	80.8	2.4	5.1	13.5	41.2	114.4	239.6	280.8
>10um particles/min noon-1PM	All	165	1838	76.8	1.5	4.8	17.9	50.1	122.3	208.9	258.4
	Port	109	674	65.2	0.8	2.4	12.5	28.2	74.2	183.2	282.1
	Trad	56	1164	83.6	4.1	11.5	18.5	55.1	135.4	209.1	257.2

SUMMARY OF PARTICLE COUNT DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
>10um particles/min 1-2PM	All	150	1681	108.4	1.3	2.5	13.6	46.1	115.8	159.6	224.4
	Port	100	621	58.5	0.8	1.8	5.3	39.1	91.6	140.0	173.4
	Trad	50	1060	137.7	2.3	9.4	14.3	52.8	126.0	165.7	293.1
<=10um particles/min 8-9AM	All	55	629	49626	3162.9	4609.2	12749	27735	53363	93671	242767
	Port	39	290	64559	N.	3327.4	12627	38558	65302	197758	244247
	Trad	16	339	36873	N.	4955.2	12324	22135	34162	70463	77454
<=10um particles/min 9-10AM	All	152	1683	58316	5694.4	8823.4	14226	30670	53923	106318	253278
	Port	100	649	71076	5363.9	7444.9	13048	31958	67096	204657	298906
	Trad	52	1034	50307	5812.0	9602.8	17082	27488	48558	80801	173708
<=10um particles/min 10-11AM	All	167	1806	56738	6048.0	8467.9	14095	25252	45278	111705	333516
	Port	113	738	67349	5928.4	8107.8	13122	27858	55042	211084	328782
	Trad	54	1068	49405	5954.1	9197.6	14330	19335	39408	100695	335961
<=10um particles/min 11-noon	All	168	1870	57494	6981.2	9285.3	15236	23129	39946	112508	324103
	Port	112	711	70195	5454.9	9006.7	15194	26444	49422	249131	337660
	Trad	56	1159	49703	7240.7	9121.5	15023	20891	37153	80856	193703
<=10um particles/min noon-1PM	All	165	1838	58277	6175.6	8350.3	14031	23094	49394	147893	317152
	Port	109	674	70488	5983.6	7306.0	15017	24931	50573	283663	339962
	Trad	56	1164	51211	5776.0	8739.1	13665	21244	41721	103984	194691
<=10um particles/min 1-2PM	All	150	1681	61334	6654.4	8356.8	12394	25377	47148	149041	293390
	Port	100	621	68676	4875.1	7087.8	13774	28077	45043	274319	299306
	Trad	50	1060	57032	7697.7	10064	11622	23459	47421	132052	218844

SUMMARY OF PARTICLE COUNT DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
0.5-2.5um particles/min	All	Lower	25990	4215.9	6651.3	9243.3	16163	27994	41903	58504
	All	Upper	61737	8520.2	10537	16575	27597	49780	233860	313665
	Port	Lower	24379	N	5552.1	8620.6	15321	28086	40331	58940
	Port	Upper	80986	7974.4	9186.8	17466	28691	78754	269391	N
	Trad	Lower	23242	4419.4	6337.8	9227.3	15333	23238	34742	48757
	Trad	Upper	54788	10985	13046	16581	28208	52628	119935	N
2.5-5.0um particles/min	All	Lower	1581.7	280.6	465.5	737.1	1231.4	2136.4	3067.9	3670.6
	All	Upper	2733.9	726.3	906.8	1235.9	1996.4	3532.1	N	N
	Port	Lower	1763.4	276.7	390.2	635.3	1381.9	2509.5	3280.9	3684.7
	Port	Upper	2382.5	630.1	958.2	1383.9	2449.9	3506.3	N	N
	Trad	Lower	1363.5	N	N	659.8	1046.3	1792.5	2582.1	3210.5
	Trad	Upper	3045.3	837.3	981.0	1287.3	2193.8	4124.1	N	N
5-10um particles/min	All	Lower	437.0	106.1	123.3	183.2	338.0	624.2	838.7	961.6
	All	Upper	777.9	182.8	223.8	342.4	576.2	912.5	N	N
	Port	Lower	498.6	56.9	100.8	186.9	423.8	698.8	882.9	940.5
	Port	Upper	680.7	150.2	268.0	425.0	695.8	903.8	N	N
	Trad	Lower	365.8	N	N	181.5	273.8	499.8	725.8	878.3
	Trad	Upper	868.7	183.8	213.3	335.7	558.1	1121.6	N	N
>10um particles/min	All	Lower	45.8	0.5	1.5	13.1	35.4	62.2	126.9	176.1
	All	Upper	129.7	5.2	12.4	27.4	59.3	148.9	N	N
	Port	Lower	43.9	N	0.7	6.1	25.5	49.8	93.7	126.5
	Port	Upper	74.9	2.8	7.2	17.8	45.1	94.3	N	N
	Trad	Lower	39.0	N	N	12.6	31.0	77.5	126.6	156.5
	Trad	Upper	167.8	14.1	17.3	43.2	95.8	204.4	N	N
<=10um particles/min	All	Lower	28676	4863.4	7934.9	10518	17844	31855	46413	63012
	All	Upper	64581	9796.1	12188	18258	31564	55345	236127	315603
	Port	Lower	27054	N	6780.8	9939.5	18337	32694	46013	61394
	Port	Upper	83637	9189.8	10463	19348	33780	82370	274558	N

SUMMARY OF PARTICLE COUNT DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Room Type	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
	Trad	Lower	25895	5499.9	8088.3	10428	17298	26355	43371	53167
	Trad	Upper	57778	12695	14517	18893	31725	58181	122207	N

SUMMARY OF PARTICLE COUNT DATA
ESTIMATED MEAN DIFFERENCES

Variable Description	No. Obs	Est. Pop Size	Mean (port)	Mean (trad)	Diff	Std. Error of Diff	t statistic	p value
0.5-2.5um particles/min	169	195769	52683	39015	13668	12016	1.14	0.260
2.5-5.0um particles/min	169	195769	2072.9	2204.4	-131.5	416.54	-0.32	0.753
5-10um particles/min	169	195769	589.66	617.29	-27.63	126.82	-0.22	0.828
>10um particles/min	169	195769	59.385	103.38	-43.99	33.85	-1.30	0.199
<=10um particles/min	169	195769	55345	41837	13509	12026	1.12	0.266

SUMMARY OF OUTDOOR PARTICLE COUNT DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER SCHOOLS

Variable Description	n	Est. No. Schools	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
0.5-2.5um particles/min	50	6506	79439	4304.2	5495.3	11737	37539	75689	221709	364679
2.5-5.0um particles/min	50	6506	1470.8	146.3	266.3	568.3	948.8	1769.3	2559.8	4722.8
5-10um particles/min	50	6506	182.0	16.0	29.7	57.4	97.2	237.6	434.7	556.8
>10um particles/min	50	6506	53.9	2.7	3.8	13.0	26.4	83.8	134.2	165.0
<=10um particles/min	50	6506	81092	4800.9	6270.2	12503	38482	84103	224083	366973
0.5-2.5um particles/min 8-9AM	7	7	135516	N.	N.	16859	33462	109715	N.	N.
0.5-2.5um particles/min 9-10AM	33	33	94529	4528.6	7732.0	15540	45976	133357	158788	350584
0.5-2.5um particles/min 10-11AM	49	49	107546	4997.7	7093.3	14845	44901	133784	255573	456560
0.5-2.5um particles/min 11-noon	50	50	96054	3112.8	4295.9	13276	39037	89424	287890	441726
0.5-2.5um particles/min noon-1PM	49	49	91387	2396.7	3990.4	9562.3	32093	86093	307318	428413
0.5-2.5um particles/min 1-2PM	47	47	88436	2023.7	4309.7	7258.4	29899	71426	299667	395694
2.5-5um particles/min 8-9AM	7	7	3374.7	N.	N.	320.2	1004.1	3091.7	N.	N.
2.5-5um particles/min 9-10AM	33	33	3303.2	247.9	351.2	711.2	1014.9	1841.2	3716.8	7604.7
2.5-5um particles/min 10-11AM	49	49	1641.4	225.2	309.1	560.8	1139.0	1706.1	3803.4	4738.1
2.5-5um particles/min 11-noon	50	50	1164.2	138.0	227.9	374.6	1008.4	1596.7	2188.6	2848.1
2.5-5um particles/min noon-1PM	49	49	1219.8	133.0	212.0	388.6	875.4	1567.1	2228.4	2362.6
2.5-5um particles/min 1-2PM	47	47	1072.2	87.4	122.4	383.3	966.4	1569.7	1935.3	2150.3
5-10um particles/min 8-9AM	7	7	223.6	N.	N.	67.6	101.6	206.3	N.	N.
5-10um particles/min 9-10AM	33	33	267.7	28.1	33.9	51.5	119.5	317.1	588.5	857.8
5-10um particles/min 10-11AM	49	49	199.4	24.2	35.6	51.7	74.3	195.3	403.6	619.3
5-10um particles/min 11-noon	50	50	157.1	13.0	22.7	40.3	74.0	186.9	412.0	506.4
5-10um particles/min noon-1PM	49	49	169.4	13.5	18.7	39.4	68.8	204.4	511.6	606.6
5-10um particles/min 1-2PM	47	47	164.7	9.7	14.4	31.5	69.4	208.2	524.0	580.5
>10um particles/min 8-9AM	7	7	70.2	N.	N.	14.2	25.5	40.9	N.	N.
>10um particles/min 9-10AM	33	33	64.1	4.4	6.7	12.9	27.0	99.1	147.0	150.8
>10um particles/min 10-11AM	49	49	53.9	1.6	2.9	8.8	17.7	65.8	134.0	194.6
>10um particles/min 11-noon	50	50	44.5	1.1	2.3	7.1	18.4	65.2	140.6	148.8
>10um particles/min noon-1PM	49	49	53.4	1.9	2.2	5.0	19.5	69.8	192.9	220.3

SUMMARY OF OUTDOOR PARTICLE COUNT DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER SCHOOLS

Variable Description	n	Est. No. Schools	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
>10um particles/min 1-2PM	47	47	48.7	0.8	1.9	4.3	16.8	60.2	163.7	173.4
<=10um particles/min 8-9AM	7	7	139114	N.	N.	18326	34200	112621	N.	N.
<=10um particles/min 9-10AM	33	33	98100	5199.1	8778.4	16663	47254	135357	160516	372322
<=10um particles/min 10-11AM	49	49	109387	5630.6	7609.7	16068	46255	135500	266869	459272
<=10um particles/min 11-noon	50	50	97375	3384.8	5076.8	13691	40260	90312	289579	445193
<=10um particles/min noon-1PM	49	49	92776	2653.8	4528.3	10597	33523	86748	309669	430584
<=10um particles/min 1-2PM	47	47	89673	2214.6	4582.4	7755.5	31708	72454	301477	397426

SUMMARY OF OUTDOOR PARTICLE COUNT DATA
APPROXIMATE 95% CONFIDENCE LIMITS

Variable Description	Conf. Limit	Mean	5th Pctl	10th Pctl	25th Pctl	50th Pctl	75th Pctl	90th Pctl	95th Pctl
0.5-2.5um particles/min	Lower	47019	N	3887.8	6282.1	17132	45048	91154	115390
	Upper	111860	10041	11790	27852	57958	113644	N	N
2.5-5.0um particles/min	Lower	930.3	N	83.8	401.5	763.3	1173.2	1807.0	1994.5
	Upper	2011.2	475.9	557.7	836.1	1522.8	2215.4	4864.0	N
5-10um particles/min	Lower	115.5	N	13.7	37.9	65.5	126.9	240.8	274.1
	Upper	248.6	46.4	56.5	80.1	192.9	358.2	N	N
>10um particles/min	Lower	34.0	N	1.8	5.5	14.9	33.1	84.7	106.8
	Upper	73.8	7.7	12.1	20.7	64.1	116.3	N	N
<=10um particles/min	Lower	48396	N	4110.8	7181.9	18267	46048	92220	116521
	Upper	113788	11635	12503	30524	59349	115764	N	N

SUMMARY OF HVAC STATUS DATA
PARAMETER ESTIMATES CHARACTERIZING DISTRIBUTIONS OVER CLASSROOMS

Variable Description	Room Type	n	Est. No. Classrms	Mean	Std. Error of Mean	Lower 95% Conf Limit	Upper 95% Conf Limit
% time HVAC on	All	60	641	22.6	6.2	10.2	35.0
	Port	45	314	14.6	4.2	6.2	22.9
	Trad	15	327	30.4	10.4	9.5	51.3
% time HVAC on 8-9AM	All	32	407	0.0	0.0	0.0	0.0
	Port	23	182	0.0	0.0	0.0	0.0
	Trad	9	225	0.0	0.0	0.0	0.0
% time HVAC on 9-10AM	All	44	525	4.6	3.3	-1.9	11.1
	Port	32	232	1.6	1.6	-1.6	4.8
	Trad	12	293	7.0	5.1	-3.3	17.3
% time HVAC on 10-11AM	All	45	534	13.9	7.4	-0.9	28.8
	Port	33	241	4.0	2.7	-1.4	9.4
	Trad	12	293	22.1	12.4	-2.7	46.9
% time HVAC on 11AM-noon	All	54	611	23.2	8.3	6.7	39.8
	Port	40	286	14.6	7.1	0.4	28.7
	Trad	14	325	30.9	13.3	4.2	57.6
% time HVAC on noon-1PM	All	57	605	31.6	8.6	14.5	48.7
	Port	43	290	23.9	7.2	9.5	38.3
	Trad	14	315	38.7	14.0	10.8	66.6
% time HVAC on 1-2PM	All	55	594	39.5	10.1	19.3	59.7
	Port	41	279	27.6	8.4	10.9	44.4
	Trad	14	315	50.0	15.7	18.6	81.4

APPENDIX G

Model Results for Factors Affecting Classroom Environmental Quality

Appendix G presents results for models that relate an IEQ variable, Y, to classroom type (portable/traditional indicator) and to other variates. Define the following:

- R = classroom type indicator (= 1 if portable, = 0 otherwise),
- Z = an outdoor measure corresponding to Y. For example, if Y is the logarithm of the classroom formaldehyde levels, then Z would be the logarithm of the outdoor formaldehyde levels at the schools.
- X and X2 =other potential independent variables. These can be continuous variates or can be discrete variates that are coded as a set of dummy (0,1) variables. The models are structured and denoted as follows:

Structure	Model A Terms			Additional Terms In Model B	Additional Terms In Model C
1	R			X	X2
2	R	Z		X	X2
3	R*	Z*	ZR	X	X2

* Since Structure 3 is used to determine if the effect of Z differs for portables and traditionals (i.e., to determine if the ZR term is significant), separate tests for R and Z within Structure 3 are not possible.

The models are identified by letter and structure; for instance, the model containing R, Z, and a single X would be referred to as Model B2. For cases in which there is not an outdoor measurement analogous to Y, only structure 1 is used.

Appendix G consists of five parts:

Part 1: An index to the X variables (not all Xs go with all Ys)

Part 2: An index to the X variables and their levels

Part 3: P-values for the Wald F tests associated with the A and B models.

Part 4: P-values for the Wald F tests associated with the C models.

Part 5: Identification of Preferred Models (p=0.05 is used for judging statistical significance).

- The left portion of the table identifies the preferred A model for each Y, using the following logic. If the ZR term is significant, then Model A3 is preferred over A1 or A2. If not, but the Z term is significant, then Model A2 is the preferred model. If neither Z nor ZR is significant, then Model A1 is preferred. The table identifies, for the preferred A model, which of the effects are significant (*), are not significant (ns), are not testable (NT), or are not applicable (NA) (because they are not in the given model).
- The middle portion of the table identifies the preferred B model for each Y and X combination, using the same logic as above. If the X variate is not significant, then one of the A models is preferred over the B models. The table identifies, for the preferred model, which of the effects are significant (*), are not significant (ns), are not testable (NT), or are not applicable (NA) (because they are not in the given model).
- The right portion of table identifies the preferred C model for each Y, X, and X2 combination, using the same logic as above. One of the A or B models is preferred over

the C models except when both X and X2 are statistically significant. Only C models in which X is the classroom age have been attempted at this point. The table identifies, for the preferred model, which of the effects are significant (*), are not significant (ns), are not testable (NT), or are not applicable (NA) (because they are not in the given model).

- The final column identifies the overall preferred model. If both classroom age (CLAGE) and the X2 variable are statistically significant, then the C model is chosen. On the other hand, if only the X variable is statistically significant, then the B model would be chosen. If neither X nor CLAGE are significant then the A Model is chosen if it has any significant effects. If not, no preferred model is chosen.

Index to Independent Variables

Variable Name	No. of Levels	Description	Source Variable(s)
ACTVOUT	2	New construction/repairs affecting IAQ	AG1_01,02
AE11_03	2	Bookcase -- pressed wood	AE11_03
AG8_01	2	Parking lot/roadway within 50 ft.	AG8_01
AHUAXS	3	Ease of access to AHU interior	BG1
AI2	2	Windows open today	AI2
BORDWALL	2	Fiber/particle board or plywood walls	AD1_02,07
CAIROK	2	Classroom air (teacher)	TQ2c
CARPET	2	Carpet/rugs on floor	AC2_02,07
CEILMOLD	2	Mold areas on ceiling	AB6
CHEMPROD	2	Chemical products	AE17_11
CLAGE	0	Classroom Age	CA3,CA1
CWATSTAN	2	Water stains on ceiling	AB5
DRNFAIL	3	Drain test failure	BD13_1,2,10
DUSTMAT	2	Walk-off dust mats	AG6,AC3
FLTRGAP	4	Size of gap around filter	BG6
FLTRLDG	4	Dirt loading on filter	BG5
FRESHNER	2	Air freshener	AE6_05
FWATSTAN	2	Water stains on floor	AC7
GENINST	2	General instruction classroom	AA13
HVACMODE	3	HVAC mode	BB2
LCO2CONC	0	Log Avg Indr Air CO2 Conc	Q-Trak
MOISTA	2	Max wall, ceiling, floor moisture (%)	BB5a-f
MOLDAREA	2	Mold areas	AF11
MUSTODOR	2	Musty odor at times (teacher)	TQ5a
OAPERS	0	Outdoor air flow/person	BB4_C,AA11
RBC4	4	Air handling unit location	BC4
REGION	2	Geographic region	Sample Frame
RELHUM	0	Avg Indoor Rel Humidity	Q-Trak
RFQ16B	3	Freq of vacuuming/sweeping/dusting	RFQ16b
SCHTYP	3	School type	Sample Frame
TAIRPERS	0	Supply air flow (cfm/person)	BB4_D&_E,AA11
TAKWALL	2	Tackboard walls	AD1_01
TEMP	0	Avg Indoor Temp	Q-Trak
TOTSAIR	0	Supply air flow (cfm)	BB4_D&_E
TURNOFF	2	Turn off heat/AC due to noise (teacher)	TQ4

Index to Independent Variables

Variable Name	No. of Levels	Description	Source Variable(s)
URBAN	2	Urban School	Sampling Fram
USETOL	4	Awareness/use of EPA IAQ Tools	FQ19a,b
WATRLEAK	4	Leak or flood in room (teacher)	TQ6a

Variable Name	Source Variable(s)	Description	Level No.	Category
ACTVOUT	AG1_01,02	New construction/repairs affecting IAQ	1	Yes
			2	No
AE11_03	AE11_03	Bookcase -- pressed wood	1	Yes
			2	No
AG8_01	AG8_01	Parking lot/roadway within 50 ft.	1	Yes
			2	No
AHUAXS	BG1	Ease of access to AHU interior	1	Good
			2	Fair
			3	Poor/None
AI2	AI2	Windows open today	1	Yes
			2	No
BORDWALL	AD1_02,07	Fiber/particle board or plywood walls	1	Yes
			2	No
CAIROK	TQ2c	Classroom air (teacher)	1	Yes
			2	No
CARPET	AC2_02,07	Carpet/rugs on floor	1	Yes
			2	No
CEILMOLD	AB6	Mold areas on ceiling	1	Some
			2	None
CHEMPROD	AE17_11	Chemical products	1	Some
			2	None
CLAGE	CA3,CA1	Classroom Age	0	continuous
CWATSTAN	AB5	Water stains on ceiling	1	Yes
			2	No
DRNFAIL	BD13_1,2,10	Drain test failure	1	Yes
			2	No
			3	NA
DUSTMAT	AG6,AC3	Walk-off dust mats	1	yes
			2	no
FLTRGAP	BG6	Size of gap around filter	1	>=1/2in.
			2	<1/2in.
			3	None
			4	DK/NA
FLTRLDG	BG5	Dirt loading on filter	1	Heavy
			2	Medium
			3	Light

Variable Name	Source Variable(s)	Description	Level No.	Category
			4	DK/NA
FRESHNER	AE6_05	Air freshener	1	Some
			2	None
FWATSTAN	AC7	Water stains on floor	1	Yes
			2	No
GENINST	AA13	General instruction classroom	1	Yes
			2	No
HVACMODE	BB2	HVAC mode	1	Heating
			2	Cooling
			3	Fan_only
LCO2CONC	Q-Trak	Log Avg Indr Air CO2 Conc	0	continuous
MOISTA	BB5a-f	Max wall, ceiling, floor moisture (%)	1	Max=0
			2	Max>0
MOLDAREA	AF11	Mold areas	1	Some
			2	None
MUSTODOR	TQ5a	Musty odor at times (teacher)	1	Yes
			2	No
OAPERS	BB4_C,AA11	Outdoor air flow/person	0	continuous
RBC4	BC4	Air handling unit location	1	Wall
			2	Window
			3	Rooftop
			4	Other/NA
REGION	Sample Frame	Geographic region	1	North
			1	North
			2	South
			2	South
RELHUM	Q-Trak	Avg Indoor Rel Humidity	0	continuous
RFQ16B	RFQ16b	Freq of vacuuming/sweeping/dusting	1	5/wk
			2	3-4/wk
			3	Other
SCHTYP	Sample Frame	School type	1	Elem
			1	Elem
			2	Middle
			2	Middle
			3	High

Variable Name	Source Variable(s)	Description	Level No.	Category
			3	High
TAIRPERS	BB4_D&_E,AA11	Supply air flow (cfm/person)	0	continuous
TAKWALL	AD1_01	Tackboard walls	1	Yes
			2	No
TEMP	Q-Trak	Avg Indoor Temp	0	continuous
TOTSAIR	BB4_D&_E	Supply air flow (cfm)	0	continuous
TURNOFF	TQ4	Turn off heat/AC due to noise (teacher)	1	Yes
			2	No
URBAN	Sampling Fram	Urban School	1	yes
			2	no
USETOL	FQ19a,b	Awareness/use of EPA IAQ Tools	1	Aware/yes
			2	Aware/no
			3	Aware/DK
			4	Unaware
WATRLEAK	TQ6a	Leak or flood in room (teacher)	1	Current
			2	Previous
			3	Never
			4	Unknown

P Values for Wald F Tests: A and B Models

Dependent Variable	Model A1 R	Model A2 R	Model A2 Z	Model A3 Z*R	X	Model B1 R	Model B1 X	Model B2 R	Model B2 Z	Model B2 X	Model B3 X	Model B3 Z*R
log10 Pollen Count	0.459	0.556	0.045	0.774	ai2	0.352	0.053	0.387	0.033	0.029	0.051	0.679
					cairok	0.431	0.135	0.504	0.034	0.098	0.097	0.890
					carpet	0.398	0.527	0.564	0.041	0.915	0.937	0.775
					clage	0.718	0.549	0.861	0.122	0.726	0.695	0.853
					fltrgap	0.236	0.323	0.359	0.045	0.344	0.340	0.802
					lco2conc	0.898	0.595	0.927	0.108	0.668	0.627	0.602
					region	0.466	0.639	0.555	0.043	0.909	0.915	0.775
					rfq16b	0.476	0.093	0.600	0.043	0.139	0.171	0.725
					schtyp	0.447	0.171	0.544	0.046	0.836	0.846	0.781
					turnoff	0.440	0.423	0.571	0.036	0.236	0.236	0.587
					urban	0.457	0.736	0.552	0.044	0.617	0.626	0.782
log10 Total Fungal Spores	0.916	0.849	0.000	0.930	carpet	0.819	0.644	0.904	0.000	0.836	0.841	0.935
					ceilmold	0.894	0.993	0.838	0.000	0.693	0.703	0.921
					clage	0.765	1.000	0.589	0.002	0.794	0.794	0.969
					cwatstan	0.786	0.583	0.938	0.000	0.698	0.702	0.927
					drnfail	0.405	0.132	0.704	0.000	0.187	0.193	0.947
					fwatstan	0.992	0.490	0.728	0.000	0.103	0.180	0.985
					lco2conc	0.718	0.584	0.660	0.000	0.721	0.692	0.638
					moista	0.875	0.732	0.773	0.000	0.513	0.509	0.920
					moldarea	0.876	0.978	0.891	0.000	0.791	0.791	0.922
					mustodor	0.973	0.285	0.862	0.000	0.728	0.720	0.893
					region	0.939	0.543	0.853	0.000	0.803	0.804	0.933
					watrleak	0.380	0.219	0.338	0.002	0.781	0.744	0.781
log Formaldehyde	0.017	0.026	0.112	0.809	ae11_03	0.099	0.074	0.181	0.036	0.053	0.052	0.870
					bordwall	0.041	0.210	0.070	0.146	0.145	0.149	0.972
					clage	0.003	0.023	0.009	0.840	0.043	0.053	0.598
					freshner	0.028	0.025	0.038	0.120	0.034	0.034	0.723
					geninst	0.009	0.044	0.018	0.158	0.258	0.254	0.815

P Values for Wald F Tests: A and B Models

Dependent Variable	Model A1 R	Model A2 R	Model A2 Z	Model A3 Z*R	X	Model B1 R	Model B1 X	Model B2 R	Model B2 Z	Model B2 X	Model B3 X	Model B3 Z*R
					lco2conc	0.059	0.042	0.045	0.004	0.029	0.029	0.744
					relhum	0.196	0.000	0.233	0.929	0.000	0.000	0.806
					schtyp	0.020	0.681	0.032	0.185	0.887	0.877	0.735
					takwall	0.004	0.071	0.010	0.171	0.095	0.102	0.924
					temp	0.074	0.181	0.056	0.008	0.207	0.205	0.640
log Acetaldehyde	0.136	0.197	0.005	0.944	ae11_03	0.188	0.098	0.289	0.002	0.046	0.041	0.654
					bordwall	0.419	0.029	0.575	0.002	0.008	0.008	0.925
					clage	0.481	0.934	0.486	0.007	0.914	0.891	0.396
					freshner	0.210	0.120	0.325	0.003	0.018	0.017	0.745
					geninst	0.033	0.001	0.063	0.004	0.001	0.001	0.892
					lco2conc	0.294	0.800	0.310	0.004	0.827	0.849	0.236
					relhum	0.323	0.022	0.406	0.001	0.003	0.003	0.155
					schtyp	0.193	0.013	0.238	0.012	0.089	0.089	0.933
					takwall	0.065	0.087	0.074	0.005	0.005	0.005	0.990
					temp	0.298	0.769	0.371	0.003	0.723	0.670	0.144
log o,p-Tolualdehyde	0.105	0.124	0.052	0.001	ae11_03	0.236	0.229	0.268	0.112	0.274	0.286	0.001
					bordwall	0.240	0.192	0.291	0.016	0.176	0.174	0.000
					clage	0.194	0.551	0.168	0.000	0.603	0.615	0.000
					freshner	0.192	0.073	0.185	0.087	0.093	0.119	0.259
					geninst	0.047	0.000	0.057	0.084	0.000	0.000	0.001
					lco2conc	0.391	0.146	0.365	0.880	0.150	0.118	0.006
					relhum	0.384	0.190	0.393	0.960	0.226	0.227	0.031
					schtyp	0.120	0.000	0.147	0.207	0.001	0.001	0.001
					takwall	0.040	0.125	0.046	0.009	0.134	0.143	0.002
					temp	0.386	0.696	0.394	0.940	0.738	0.747	0.022
log Benzene	0.458	0.267	0.194	0.765	actvout	0.488	0.281	0.233	0.263	0.093	0.100	0.671
					ag8_01	0.264	0.460	0.214	0.246	0.818	0.824	0.821
					carpet	0.438	0.745	0.251	0.215	0.923	0.927	0.765

P Values for Wald F Tests: A and B Models

Dependent Variable	Model A1 R	Model A2 R	Model A2 Z	Model A3 Z*R	X	Model B1 R	Model B1 X	Model B2 R	Model B2 Z	Model B2 X	Model B3 X	Model B3 Z*R
					chemprod	0.262	0.232	0.152	0.115	0.268	0.273	0.685
					clage	0.833	0.582	0.656	0.400	0.735	0.682	0.754
					freshner	0.425	0.390	0.207	0.079	0.199	0.154	0.603
					geninst	0.464	0.701	0.277	0.193	0.641	0.653	0.794
					lco2conc	0.492	0.457	0.241	0.231	0.460	0.436	0.569
					schtyp	0.438	0.595	0.250	0.225	0.468	0.481	0.779
					temp	0.327	0.713	0.210	0.206	0.654	0.683	0.793
log Chloroform	0.773	0.903	0.043	0.167	actvout	0.981	0.602	0.727	0.001	0.603	0.700	0.065
					ag8_01	0.586	0.594	0.763	0.044	0.459	0.468	0.208
					carpet	0.490	0.237	0.560	0.070	0.309	0.342	0.297
					chemprod	0.614	0.376	0.743	0.040	0.394	0.482	0.182
					clage	0.263	0.319	0.200	0.047	0.184	0.160	0.131
					freshner	0.751	0.134	0.851	0.049	0.133	0.139	0.192
					geninst	0.719	0.665	0.799	0.023	0.747	0.836	0.348
					lco2conc	0.301	0.138	0.541	0.000	0.032	0.017	0.027
					schtyp	0.858	0.090	0.832	0.000	0.048	0.062	0.495
					temp	0.952	0.584	0.831	0.000	0.914	0.768	0.059
log Tetrachloroethylene	0.311	0.117	0.002	0.953	actvout	0.402	0.641	0.196	0.003	0.594	0.610	0.550
					ag8_01	0.372	0.493	0.233	0.002	0.171	0.173	0.721
					carpet	0.739	0.034	0.382	0.000	0.005	0.006	0.444
					chemprod	0.321	0.505	0.087	0.003	0.551	0.547	0.909
					clage	0.801	0.309	0.380	0.005	0.716	0.800	0.315
					freshner	0.159	0.245	0.047	0.002	0.107	0.119	0.636
					geninst	0.468	0.004	0.192	0.002	0.008	0.007	0.685
					lco2conc	0.816	0.252	0.176	0.000	0.185	0.216	0.198
					schtyp	0.235	0.405	0.080	0.002	0.515	0.508	0.964
					temp	0.667	0.644	0.315	0.000	0.976	0.959	0.077
log Toluene	0.822	0.455	0.016	0.000	actvout	0.781	0.474	0.354	0.020	0.422	0.403	0.000

P Values for Wald F Tests: A and B Models

Dependent Variable	Model A1 R	Model A2 R	Model A2 Z	Model A3 Z*R	X	Model B1 R	Model B1 X	Model B2 R	Model B2 Z	Model B2 X	Model B3 X	Model B3 Z*R
					ag8_01	0.973	0.935	0.451	0.011	0.442	0.244	0.000
					carpet	0.617	0.067	0.615	0.021	0.152	0.197	0.000
					chemprod	0.510	0.228	0.784	0.011	0.375	0.155	0.000
					clage	0.393	0.040	0.403	0.022	0.906	0.476	0.000
					freshner	0.771	0.278	0.456	0.008	0.907	0.164	0.000
					geninst	0.698	0.340	0.589	0.016	0.414	0.280	0.000
					lco2conc	0.295	0.012	0.899	0.010	0.081	0.224	0.009
					schtyp	0.757	0.147	0.432	0.028	0.723	0.731	0.000
					temp	0.872	0.030	0.408	0.007	0.078	0.404	0.004
log m,p-Xylene	0.197	0.116	0.032	0.014	actvout	0.174	0.454	0.059	0.026	0.332	0.316	0.012
					ag8_01	0.211	0.432	0.136	0.009	0.144	0.121	0.004
					carpet	0.203	0.610	0.122	0.030	0.457	0.417	0.010
					chemprod	0.185	0.842	0.153	0.030	0.508	0.292	0.009
					clage	0.653	0.050	0.936	0.387	0.197	0.285	0.012
					freshner	0.186	0.964	0.106	0.017	0.794	0.554	0.022
					geninst	0.296	0.497	0.183	0.020	0.283	0.300	0.011
					lco2conc	0.848	0.002	0.600	0.183	0.002	0.003	0.322
					schtyp	0.188	0.368	0.123	0.153	0.623	0.530	0.016
					temp	0.328	0.903	0.226	0.084	0.901	0.943	0.133
log CO2	0.986	0.712	0.358	0.344	ag8_01	0.872	0.979	0.591	0.411	0.989	0.965	0.379
					ahuaxs	0.588	0.162	0.423	0.339	0.165	0.163	0.270
					cairok	0.949	0.007	0.733	0.428	0.007	0.008	0.488
					clage	0.022	0.010	0.003	0.332	0.003	0.000	0.001
					hvacmode	0.815	0.819	0.913	0.255	0.624	0.477	0.435
					oapers	0.000	0.227	0.000	0.169	0.113	0.151	0.729
					region	0.986	0.960	0.716	0.345	0.893	0.900	0.349
					schtyp	0.889	0.022	0.544	0.860	0.002	0.001	0.244
					tairpers	0.028	0.933	0.034	0.085	0.864	0.923	0.481

P Values for Wald F Tests: A and B Models

Dependent Variable	Model A1 R	Model A2 R	Model A2 Z	Model A3 Z*R	X	Model B1 R	Model B1 X	Model B2 R	Model B2 Z	Model B2 X	Model B3 X	Model B3 Z*R
					turnoff	0.706	0.138	0.657	0.236	0.046	0.045	0.269
					usetol	0.353	0.578	0.270	0.461	0.769	0.755	0.184
% time CO2>1000ppm	0.881	.	.	.	ag8_01	0.965	0.613	.	.	.	.	.
					ahuaxs	0.865	0.268	.	.	.	.	.
					cairok	0.893	0.001	.	.	.	.	.
					clage	0.005	0.001	.	.	.	.	.
					hvacmode	0.840	0.846	.	.	.	.	.
					oapers	0.001	0.515	.	.	.	.	.
					region	0.880	0.995	.	.	.	.	.
					schtyp	0.969	0.001	.	.	.	.	.
					tairpers	0.018	0.934	.	.	.	.	.
					turnoff	0.879	0.441	.	.	.	.	.
					usetol	0.596	0.802	.	.	.	.	.
particles/min <=2.5um	0.560	0.206	0.000	0.063	actvout	0.333	0.419	0.067	0.000	0.610	0.510	0.123
					ag8_01	0.655	0.097	0.332	0.000	0.569	0.459	0.036
					ahuaxs	0.750	0.704	0.389	0.000	0.469	0.342	0.015
					carpet	0.262	0.081	0.045	0.000	0.048	0.045	0.093
					clage	0.607	0.843	0.308	0.000	0.828	0.770	0.015
					dustmat	0.512	0.902	0.170	0.000	0.821	0.726	0.041
					fltrgap	0.509	0.133	0.314	0.000	0.218	0.224	0.110
					fltrldg	0.560	0.154	0.156	0.000	0.117	0.219	0.130
					lco2conc	0.559	0.096	0.057	0.000	0.716	0.745	0.448
					rfq16b	0.369	0.106	0.143	0.000	0.401	0.311	0.055
					schtyp	0.614	0.195	0.213	0.000	0.435	0.469	0.067
particles/min <=10um	0.560	0.252	0.000	0.068	actvout	0.348	0.484	0.105	0.000	0.693	0.597	0.135
					ag8_01	0.657	0.092	0.411	0.000	0.506	0.403	0.038
					ahuaxs	0.777	0.720	0.548	0.000	0.406	0.288	0.014
					carpet	0.259	0.091	0.055	0.000	0.057	0.054	0.100

P Values for Wald F Tests: A and B Models

Dependent Variable	Model A1 R	Model A2 R	Model A2 Z	Model A3 Z*R	X	Model B1 R	Model B1 X	Model B2 R	Model B2 Z	Model B2 X	Model B3 X	Model B3 Z*R
					clage	0.585	0.798	0.290	0.000	0.806	0.747	0.016
					dustmat	0.502	0.952	0.204	0.000	0.945	0.613	0.038
					fltrgap	0.482	0.203	0.294	0.000	0.293	0.297	0.116
					fltrldg	0.534	0.160	0.164	0.000	0.111	0.189	0.146
					lco2conc	0.541	0.125	0.090	0.000	0.506	0.528	0.475
					rfq16b	0.369	0.102	0.174	0.000	0.384	0.297	0.059
					schtyp	0.603	0.209	0.239	0.000	0.409	0.439	0.075
noise-register Hvac on	0.858	.	.	.	ahuaxs	0.723	0.356	.	.	.	.	.
					cairok	0.849	0.236	.	.	.	.	.
					clage	0.006	0.005	.	.	.	.	.
					lco2conc	0.619	0.216	.	.	.	.	.
					rbc4	0.829	0.080	.	.	.	.	.
					schtyp	0.696	0.604	.	.	.	.	.
					totsair	0.038	0.956	.	.	.	.	.
					turnoff	0.768	0.190	.	.	.	.	.
					urban	0.848	0.101	.	.	.	.	.
% time temp<20 deg C	0.024	.	.	.	ahuaxs	0.674	0.201	.	.	.	.	.
					cairok	0.102	0.343	.	.	.	.	.
					clage	0.145	0.444	.	.	.	.	.
					oapers	0.307	0.176	.	.	.	.	.
					region	0.032	0.092	.	.	.	.	.
					schtyp	0.034	0.633	.	.	.	.	.
					tairpers	0.060	0.297	.	.	.	.	.
					turnoff	0.183	0.920	.	.	.	.	.
					usetol	0.017	0.016	.	.	.	.	.
% time temp>23 deg C	0.947	.	.	.	ahuaxs	0.801	0.706	.	.	.	.	.
					cairok	0.940	0.726	.	.	.	.	.
					clage	0.846	0.288	.	.	.	.	.

P Values for Wald F Tests: A and B Models

Dependent Variable	Model A1 R	Model A2 R	Model A2 Z	Model A3 Z*R	X	Model B1 R	Model B1 X	Model B2 R	Model B2 Z	Model B2 X	Model B3 X	Model B3 Z*R
					oapers	0.929	0.482	.	.	.	.	.
					region	0.952	0.905	.	.	.	.	.
					schtyp	0.921	0.008	.	.	.	.	.
					tairpers	0.416	0.328	.	.	.	.	.
					turnoff	0.406	0.066	.	.	.	.	.
					usetol	0.633	0.000	.	.	.	.	.

P Values for Wald F Tests: C Models

Dependent Variable	X	X2	Model C1 R	Model C1 X	Model C1 X2	Model C2 R	Model C2 Z	Model C2 X	Model C2 X2	Model C3 X	Model C3 Z*R	Model C3 X2
log10 Pollen Count	clage	ai2	0.638	0.512	0.293	0.732	0.109	0.728	0.139	0.702	0.976	0.232
	clage	cairok	0.965	0.908	0.053	0.786	0.096	0.723	0.046	0.732	0.753	0.034
	clage	carpet	0.716	0.594	0.358	0.857	0.124	0.773	0.715	0.745	0.852	0.708
	clage	fltrgap	0.631	0.574	0.566	0.845	0.095	0.829	0.718	0.796	0.864	0.711
	clage	lco2conc	0.161	0.207	0.501	0.171	0.045	0.208	0.519	0.187	0.124	0.276
	clage	region	0.710	0.535	0.992	0.846	0.112	0.709	0.443	0.677	0.848	0.440
	clage	rfq16b	0.709	0.486	0.273	0.832	0.065	0.585	0.177	0.568	0.901	0.232
	clage	schtyp	0.743	0.620	0.652	0.812	0.125	0.677	0.848	0.637	0.842	0.832
	clage	turnoff	0.737	0.581	0.326	0.848	0.117	0.681	0.214	0.675	0.904	0.219
	clage	urban	0.727	0.556	0.429	0.873	0.122	0.741	0.521	0.712	0.847	0.506
log10 Total Fungal Spores	clage	carpet	0.769	0.725	0.208	0.604	0.001	0.524	0.157	0.525	0.957	0.155
	clage	ceilmold	0.774	1.000	0.031	0.580	0.003	0.793	0.066	0.794	0.953	0.077
	clage	cwatstan	0.829	0.996	0.820	0.617	0.003	0.791	0.906	0.791	0.936	0.888
	clage	drnfail	0.767	0.876	0.268	0.953	0.003	0.841	0.490	0.840	0.951	0.491
	clage	fwatstan	0.674	0.986	0.360	0.509	0.002	0.811	0.099	0.810	0.971	0.169
	clage	lco2conc	0.464	0.291	0.384	0.578	0.005	0.332	0.435	0.303	0.477	0.421
	clage	moista	0.835	0.986	0.432	0.583	0.005	0.795	0.763	0.795	0.959	0.761
	clage	moldarea	0.750	0.990	0.038	0.581	0.002	0.800	0.048	0.800	0.965	0.073
	clage	mustodor	0.832	0.974	0.565	0.624	0.002	0.798	0.963	0.800	0.840	0.936
	clage	region	0.726	0.959	0.441	0.584	0.006	0.792	0.944	0.792	0.969	0.944
	clage	watrleak	0.648	0.994	0.245	0.496	0.010	0.787	0.730	0.795	0.716	0.715
log Formaldehyde	clage	ae11_03	0.035	0.010	0.024	0.090	0.905	0.027	0.017	0.038	0.819	0.017
	clage	bordwall	0.010	0.019	0.238	0.025	0.677	0.027	0.088	0.033	0.512	0.086
	clage	freshner	0.003	0.009	0.059	0.006	0.791	0.015	0.062	0.018	0.471	0.052
	clage	geninst	0.003	0.046	0.110	0.006	0.733	0.055	0.111	0.067	0.635	0.113
	clage	lco2conc	0.213	0.661	0.048	0.422	0.199	0.927	0.022	0.743	0.401	0.015
	clage	relhum	0.263	0.356	0.001	0.222	0.191	0.119	0.001	0.127	1.000	0.001
	clage	schtyp	0.001	0.009	0.955	0.002	0.885	0.016	0.930	0.026	0.601	0.931

P Values for Wald F Tests: C Models

Dependent Variable	X	X2	Model C1 R	Model C1 X	Model C1 X2	Model C2 R	Model C2 Z	Model C2 X	Model C2 X2	Model C3 X	Model C3 Z*R	Model C3 X2
	clage	takwall	0.003	0.039	0.201	0.008	0.780	0.064	0.121	0.078	0.608	0.123
	clage	temp	0.031	0.089	0.273	0.025	0.591	0.117	0.359	0.148	0.824	0.355
log Acetaldehyde	clage	ae11_03	0.515	0.785	0.055	0.621	0.001	0.724	0.012	0.734	0.643	0.012
	clage	bordwall	0.735	0.918	0.029	0.837	0.001	0.868	0.003	0.886	0.393	0.003
	clage	freshner	0.492	1.000	0.381	0.489	0.006	0.945	0.148	0.964	0.573	0.163
	clage	geninst	0.272	0.773	0.001	0.302	0.006	0.749	0.001	0.717	0.284	0.001
	clage	lco2conc	0.565	0.939	0.411	0.705	0.013	0.794	0.372	0.581	0.107	0.291
	clage	relhum	0.511	0.901	0.225	0.751	0.004	0.714	0.019	0.431	0.092	0.011
	clage	schtyp	0.208	0.356	0.009	0.253	0.023	0.429	0.072	0.440	0.538	0.069
	clage	takwall	0.451	0.890	0.355	0.428	0.008	0.803	0.039	0.777	0.396	0.035
	clage	temp	0.404	0.745	0.908	0.492	0.007	0.922	0.817	0.835	0.091	0.719
log o,p-Tolualdehyde	clage	ae11_03	0.305	0.602	0.350	0.275	0.000	0.642	0.431	0.652	0.000	0.456
	clage	bordwall	0.316	0.591	0.092	0.298	0.000	0.663	0.083	0.680	0.000	0.078
	clage	freshner	0.195	0.607	0.512	0.161	0.000	0.635	0.715	0.634	0.031	0.822
	clage	geninst	0.127	0.503	0.000	0.109	0.000	0.554	0.000	0.567	0.000	0.000
	clage	lco2conc	0.143	0.726	0.121	0.124	0.032	0.574	0.088	0.574	.	0.088
	clage	relhum	0.311	0.718	0.475	0.308	0.000	0.804	0.581	0.804	.	0.581
	clage	schtyp	0.093	0.925	0.008	0.083	0.000	0.824	0.013	0.813	0.000	0.013
	clage	takwall	0.150	0.476	0.153	0.131	0.000	0.529	0.220	0.542	0.000	0.235
	clage	temp	0.243	0.835	0.550	0.243	0.000	0.912	0.592	0.912	.	0.592
log Benzene	clage	actvout	0.611	0.894	0.101	0.427	0.449	0.848	0.062	0.923	0.705	0.070
	clage	ag8_01	0.718	0.470	0.202	0.680	0.681	0.585	0.377	0.550	0.687	0.365
	clage	carpet	0.687	0.076	0.045	0.666	0.960	0.161	0.110	0.124	0.537	0.080
	clage	chemprod	0.578	0.496	0.120	0.315	0.096	0.685	0.094	0.567	0.424	0.062
	clage	freshner	0.945	0.289	0.329	0.871	0.248	0.334	0.323	0.329	0.845	0.300
	clage	geninst	0.828	0.595	0.889	0.627	0.395	0.766	0.786	0.709	0.760	0.793
	clage	lco2conc	0.905	0.198	0.126	0.841	0.648	0.351	0.294	0.340	0.793	0.287
	clage	schtyp	0.789	0.270	0.489	0.924	0.585	0.403	0.630	0.336	0.628	0.599

P Values for Wald F Tests: C Models

Dependent Variable	X	X2	Model C1 R	Model C1 X	Model C1 X2	Model C2 R	Model C2 Z	Model C2 X	Model C2 X2	Model C3 X	Model C3 Z*R	Model C3 X2
	clage	temp	0.565	0.755	0.301	0.447	0.557	0.925	0.272	0.825	0.398	0.156
log Chloroform	clage	actvout	0.263	0.179	0.063	0.341	0.000	0.062	0.073	0.040	0.028	0.111
	clage	ag8_01	0.243	0.300	0.622	0.191	0.043	0.146	0.388	0.125	0.154	0.379
	clage	carpet	0.336	0.661	0.275	0.245	0.028	0.307	0.568	0.259	0.191	0.785
	clage	chemprod	0.256	0.329	0.552	0.194	0.053	0.187	0.734	0.157	0.113	0.847
	clage	freshner	0.359	0.526	0.328	0.264	0.072	0.309	0.668	0.261	0.178	0.886
	clage	geninst	0.212	0.277	0.397	0.147	0.021	0.152	0.362	0.140	0.326	0.425
	clage	lco2conc	0.305	0.991	0.075	0.320	0.000	0.752	0.094	0.729	0.011	0.099
	clage	schtyp	0.671	0.462	0.067	0.962	0.000	0.978	0.034	0.882	0.470	0.062
	clage	temp	0.270	0.184	0.913	0.244	0.001	0.056	0.407	0.031	0.028	0.230
log Tetrachloroethylene	clage	actvout	0.615	0.565	0.024	0.023	0.000	0.615	0.001	0.512	0.133	0.001
	clage	ag8_01	0.640	0.177	0.079	0.506	0.006	0.669	0.044	0.817	0.094	0.041
	clage	carpet	0.881	0.563	0.275	0.175	0.000	0.245	0.001	0.128	0.031	0.000
	clage	chemprod	0.815	0.305	0.697	0.364	0.004	0.743	0.868	0.863	0.296	0.623
	clage	freshner	0.658	0.181	0.129	0.505	0.011	0.416	0.152	0.462	0.306	0.152
	clage	geninst	0.871	0.389	0.004	0.090	0.002	0.956	0.007	0.892	0.208	0.006
	clage	lco2conc	0.619	0.660	0.273	0.353	0.000	0.497	0.217	0.462	0.152	0.337
	clage	schtyp	0.929	0.742	0.587	0.528	0.009	0.902	0.917	0.945	0.311	0.922
	clage	temp	0.460	0.169	0.778	0.621	0.000	0.980	0.925	0.604	0.009	0.965
log Toluene	clage	actvout	0.564	0.075	0.114	0.007	0.008	0.207	0.000	0.043	0.000	0.000
	clage	ag8_01	0.482	0.039	0.972	0.205	0.005	0.569	0.153	0.175	0.000	0.050
	clage	carpet	0.394	0.184	0.943	0.363	0.015	0.597	0.342	0.233	0.000	0.079
	clage	chemprod	0.292	0.038	0.255	0.692	0.010	0.984	0.459	0.548	0.000	0.215
	clage	freshner	0.605	0.507	0.506	0.445	0.012	0.819	0.723	0.778	0.000	0.368
	clage	geninst	0.364	0.016	0.391	0.147	0.012	0.591	0.301	0.153	0.000	0.232
	clage	lco2conc	0.216	0.138	0.693	0.413	0.003	0.429	0.082	0.381	0.000	0.098
	clage	schtyp	0.274	0.121	0.923	0.581	0.025	0.795	0.525	0.696	0.000	0.633
	clage	temp	0.345	0.057	0.043	0.421	0.007	0.988	0.016	0.695	0.003	0.120

P Values for Wald F Tests: C Models

Dependent Variable	X	X2	Model C1 R	Model C1 X	Model C1 X2	Model C2 R	Model C2 Z	Model C2 X	Model C2 X2	Model C3 X	Model C3 Z*R	Model C3 X2
log m,p-Xylene	clage	actvout	0.972	0.099	0.070	0.339	0.047	0.553	0.024	0.820	0.009	0.017
	clage	ag8_01	0.739	0.027	0.489	0.724	0.033	0.294	0.140	0.459	0.001	0.094
	clage	carpet	0.589	0.061	0.385	0.813	0.674	0.241	0.606	0.445	0.048	0.893
	clage	chemprod	0.721	0.054	0.846	0.957	0.377	0.217	0.846	0.345	0.002	0.473
	clage	freshner	0.399	0.017	0.154	0.688	0.576	0.142	0.332	0.130	0.010	0.249
	clage	geninst	0.630	0.026	0.514	0.741	0.103	0.212	0.199	0.347	0.006	0.248
	clage	lco2conc	0.327	0.109	0.710	0.559	0.905	0.506	0.553	0.592	0.409	0.535
	clage	schtyp	0.449	0.053	0.701	0.701	0.190	0.120	0.548	0.198	0.007	0.572
	clage	temp	0.418	0.018	0.042	0.456	0.962	0.071	0.016	0.124	0.935	0.019
log CO2	clage	ag8_01	0.014	0.007	0.455	0.002	0.389	0.002	0.557	0.000	0.002	0.654
	clage	ahuaxs	0.004	0.010	0.320	0.001	0.709	0.004	0.355	0.000	0.000	0.235
	clage	cairok	0.164	0.076	0.004	0.132	0.393	0.061	0.001	0.010	0.003	0.002
	clage	hvacmode	0.015	0.011	0.917	0.001	0.506	0.005	0.916	0.000	0.001	0.588
	clage	oapers	0.000	0.001	0.105	0.000	0.666	0.004	0.034	0.000	0.002	0.132
	clage	region	0.022	0.011	0.555	0.004	0.346	0.004	0.962	0.000	0.001	0.929
	clage	schtyp	0.081	0.040	0.016	0.023	0.430	0.011	0.017	0.000	0.001	0.008
	clage	tairpers	0.004	0.002	0.508	0.008	0.609	0.025	0.599	0.000	0.000	0.464
	clage	turnoff	0.083	0.009	0.442	0.070	0.788	0.011	0.301	0.001	0.003	0.445
	clage	usetol	0.010	0.014	0.928	0.003	0.378	0.006	0.924	0.000	0.000	0.902
% time CO2>1000ppm	clage	ag8_01	0.004	0.002	0.953	.	.	.	.	.	.	.
	clage	ahuaxs	0.000	0.001	0.196	.	.	.	.	.	.	.
	clage	cairok	0.088	0.037	0.003	.	.	.	.	.	.	.
	clage	hvacmode	0.002	0.001	0.827	.	.	.	.	.	.	.
	clage	oapers	0.000	0.000	0.092	.	.	.	.	.	.	.
	clage	region	0.005	0.001	0.654	.	.	.	.	.	.	.
	clage	schtyp	0.037	0.019	0.000	.	.	.	.	.	.	.
	clage	tairpers	0.000	0.000	0.821	.	.	.	.	.	.	.
	clage	turnoff	0.015	0.008	0.875	.	.	.	.	.	.	.

P Values for Wald F Tests: C Models

Dependent Variable	X	X2	Model C1 R	Model C1 X	Model C1 X2	Model C2 R	Model C2 Z	Model C2 X	Model C2 X2	Model C3 X	Model C3 Z*R	Model C3 X2
	clage	usetol	0.001	0.007	0.867	.	.	.	.	.	.	.
particles/min <=2.5um	clage	actvout	0.567	0.902	0.501	0.216	0.000	0.760	0.842	0.822	0.026	0.960
	clage	ag8_01	0.772	0.880	0.645	0.311	0.000	0.622	0.433	0.592	0.020	0.461
	clage	ahuaxs	0.659	0.903	0.859	0.395	0.000	0.609	0.239	0.509	0.005	0.162
	clage	carpet	0.659	0.709	0.582	0.283	0.000	0.974	0.190	0.881	0.014	0.208
	clage	dustmat	0.601	0.846	0.985	0.288	0.000	0.821	0.793	0.787	0.006	0.523
	clage	fltrgap	0.659	0.278	0.134	0.417	0.000	0.995	0.268	0.885	0.002	0.168
	clage	fltrldg	0.782	0.576	0.015	0.273	0.000	0.760	0.098	0.706	0.032	0.176
	clage	lco2conc	0.589	0.887	0.312	0.117	0.000	0.597	0.413	0.655	0.118	0.237
	clage	rfq16b	0.365	0.726	0.301	0.206	0.000	0.708	0.025	0.648	0.010	0.004
	clage	schtyp	0.686	0.732	0.148	0.418	0.006	0.720	0.130	0.616	0.012	0.069
particles/min <=10um	clage	actvout	0.547	0.879	0.442	0.199	0.001	0.722	0.784	0.784	0.030	0.889
	clage	ag8_01	0.752	0.840	0.663	0.301	0.000	0.610	0.451	0.580	0.021	0.483
	clage	ahuaxs	0.607	0.907	0.833	0.368	0.000	0.574	0.221	0.472	0.005	0.146
	clage	carpet	0.634	0.703	0.655	0.274	0.000	0.914	0.297	0.816	0.015	0.356
	clage	dustmat	0.576	0.797	0.940	0.265	0.000	0.803	0.857	0.766	0.006	0.469
	clage	fltrgap	0.623	0.271	0.178	0.374	0.000	0.928	0.378	0.806	0.003	0.288
	clage	fltrldg	0.767	0.537	0.027	0.265	0.000	0.741	0.081	0.683	0.034	0.123
	clage	lco2conc	0.568	0.934	0.344	0.126	0.000	0.657	0.292	0.727	0.123	0.146
	clage	rfq16b	0.359	0.713	0.321	0.199	0.000	0.696	0.036	0.633	0.011	0.007
	clage	schtyp	0.609	0.782	0.151	0.358	0.014	0.832	0.124	0.727	0.014	0.074
noise-register Hvac on	clage	ahuaxs	0.005	0.003	0.600	.	.	.	.	.	.	.
	clage	cairok	0.003	0.002	0.162	.	.	.	.	.	.	.
	clage	lco2conc	0.021	0.146	0.875	.	.	.	.	.	.	.
	clage	rbc4	0.079	0.008	0.580	.	.	.	.	.	.	.
	clage	schtyp	0.009	0.041	0.923	.	.	.	.	.	.	.
	clage	totsair	0.002	0.003	0.713	.	.	.	.	.	.	.
	clage	turnoff	0.035	0.005	0.823	.	.	.	.	.	.	.

P Values for Wald F Tests: C Models

Dependent Variable	X	X2	Model C1 R	Model C1 X	Model C1 X2	Model C2 R	Model C2 Z	Model C2 X	Model C2 X2	Model C3 X	Model C3 Z*R	Model C3 X2
	clage	urban	0.005	0.003	0.847	.	.	.	.	.	.	.
% time temp<20 deg C	clage	ahuaxs	0.480	0.870	0.484	.	.	.	.	.	.	.
	clage	cairok	0.103	0.807	0.485	.	.	.	.	.	.	.
	clage	oapers	0.052	0.883	0.049	.	.	.	.	.	.	.
	clage	region	0.172	0.306	0.063	.	.	.	.	.	.	.
	clage	schtyp	0.098	0.623	0.313	.	.	.	.	.	.	.
	clage	tairpers	0.032	0.888	0.077	.	.	.	.	.	.	.
	clage	turnoff	0.122	0.855	0.994	.	.	.	.	.	.	.
	clage	usetol	0.060	0.530	0.012	.	.	.	.	.	.	.
% time temp>23 deg C	clage	ahuaxs	0.829	0.536	0.788	.	.	.	.	.	.	.
	clage	cairok	0.853	0.829	0.329	.	.	.	.	.	.	.
	clage	oapers	0.258	0.686	0.074	.	.	.	.	.	.	.
	clage	region	0.834	0.277	0.775	.	.	.	.	.	.	.
	clage	schtyp	0.934	0.818	0.249	.	.	.	.	.	.	.
	clage	tairpers	0.111	0.836	0.006	.	.	.	.	.	.	.
	clage	turnoff	0.332	0.312	0.141	.	.	.	.	.	.	.
	clage	usetol	0.632	0.408	0.004	.	.	.	.	.	.	.

Identification Of Preferred Models

Dependent Variable	Selected A Model	R	Z	Z*R	X or X2 Variable	Selected B Model	R	Z	Z*R	X	Selected C Model	R	Z	Z*R	X2	CLAGE	Preferred Model
log10 Pollen Count	A2	ns	*	NA	ai2	B2	ns	*	NA	*	C1	ns	NA	NA	ns	ns	B2
					cairok	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					carpet	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					clage	B1	ns	NA	NA	ns							A2
					fltrgap	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					lco2conc	B1	ns	NA	NA	ns	C2	ns	*	NA	ns	ns	A2
					region	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					rfq16b	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					schtyp	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					turnoff	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					urban	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
log10 Total Fungal Spores	A2	ns	*	NA	carpet	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					ceilmold	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					clage	B2	ns	*	NA	ns							A2
					cwatstan	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					drnfail	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					fwatstan	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					lco2conc	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					moista	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					moldarea	B2	ns	*	NA	ns	C2	ns	*	NA	*	ns	A2
					mustodor	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					region	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					watrleak	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
log Formaldehyde	A1	*	NA	NA	ae11_03	B2	ns	*	NA	ns	C1	*	NA	NA	*	*	C1
					bordwall	B1	*	NA	NA	ns	C1	*	NA	NA	ns	*	A1
					clage	B1	*	NA	NA	*							B1
					freshner	B1	*	NA	NA	*	C1	*	NA	NA	ns	*	B1
					geninst	B1	*	NA	NA	*	C1	*	NA	NA	ns	*	B1

Identification Of Preferred Models

Dependent Variable	Selected A Model	R	Z	Z*R	X or X2 Variable	Selected B Model	R	Z	Z*R	X	Selected C Model	R	Z	Z*R	X2	CLAGE	Preferred Model
					lco2conc	B2	*	*	NA	*	C1	ns	NA	NA	*	ns	B2
					relhum	B1	ns	NA	NA	*	C1	ns	NA	NA	*	ns	B1
					schtyp	B1	*	NA	NA	ns	C1	*	NA	NA	ns	*	A1
					takwall	B1	*	NA	NA	ns	C1	*	NA	NA	ns	*	A1
					temp	B2	ns	*	NA	ns	C1	*	NA	NA	ns	ns	A1
log Acetaldehyde	A2	ns	*	NA	ae11_03	B2	ns	*	NA	*	C2	ns	*	NA	*	ns	B2
					bordwall	B2	ns	*	NA	*	C2	ns	*	NA	*	ns	B2
					clage	B2	ns	*	NA	ns							A2
					freshner	B2	ns	*	NA	*	C2	ns	*	NA	ns	ns	B2
					geninst	B2	ns	*	NA	*	C2	ns	*	NA	*	ns	B2
					lco2conc	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					relhum	B2	ns	*	NA	*	C2	ns	*	NA	*	ns	B2
					schtyp	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					takwall	B2	ns	*	NA	*	C2	ns	*	NA	*	ns	B2
					temp	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
log o,p-Tolualdehyde	A3	NT	NT	*	ae11_03	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					bordwall	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					clage	B3	NT	NT	*	ns							A3
					freshner	B1	ns	NA	NA	ns	C3	NT	NT	*	ns	ns	A3
					geninst	B3	NT	NT	*	*	C3	NT	NT	*	*	ns	B3
					lco2conc	B3	NT	NT	*	ns	C2	ns	*	NA	ns	ns	A3
					relhum	B3	NT	NT	*	ns	C2	ns	*	NA	ns	ns	A3
					schtyp	B3	NT	NT	*	*	C3	NT	NT	*	*	ns	B3
					takwall	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					temp	B3	NT	NT	*	ns	C2	ns	*	NA	ns	ns	A3
log Benzene	A1	ns	NA	NA	actvout	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					ag8_01	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					carpet	B1	ns	NA	NA	ns	C1	ns	NA	NA	*	ns	none

Identification Of Preferred Models

Dependent Variable	Selected A Model	R	Z	Z*R	X or X2 Variable	Selected B Model	R	Z	Z*R	X	Selected C Model	R	Z	Z*R	X2	CLAGE	Preferred Model
					chemprod	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					clage	B1	ns	NA	NA	ns							none
					freshner	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					geninst	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					lco2conc	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					schtyp	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					temp	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
log Chloroform	A2	ns	*	NA	actvout	B2	ns	*	NA	ns	C3	NT	NT	*	ns	*	A2
					ag8_01	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					carpet	B1	ns	NA	NA	ns	C2	ns	*	NA	ns	ns	A2
					chemprod	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					clage	B2	ns	*	NA	ns							A2
					freshner	B2	ns	*	NA	ns	C1	ns	NA	NA	ns	ns	A2
					geninst	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					lco2conc	B3	NT	NT	*	*	C3	NT	NT	*	ns	ns	B3
					schtyp	B2	ns	*	NA	*	C2	ns	*	NA	*	ns	B2
					temp	B2	ns	*	NA	ns	C3	NT	NT	*	ns	*	A2
log Tetrachloroethylene	A2	ns	*	NA	actvout	B2	ns	*	NA	ns	C2	*	*	NA	*	ns	A2
					ag8_01	B2	ns	*	NA	ns	C2	ns	*	NA	*	ns	A2
					carpet	B2	ns	*	NA	*	C3	NT	NT	*	*	ns	B2
					chemprod	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					clage	B2	ns	*	NA	ns							A2
					freshner	B2	*	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					geninst	B2	ns	*	NA	*	C2	ns	*	NA	*	ns	B2
					lco2conc	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					schtyp	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					temp	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
log Toluene	A3	NT	NT	*	actvout	B3	NT	NT	*	ns	C3	NT	NT	*	*	*	C3

Identification Of Preferred Models

Dependent Variable	Selected A Model	R	Z	Z*R	X or X2 Variable	Selected B Model	R	Z	Z*R	X	Selected C Model	R	Z	Z*R	X2	CLAGE	Preferred Model
					ag8_01	B3	NT	NT	*	ns	C3	NT	NT	*	*	ns	A3
					carpet	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					chemprod	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					clage	B3	NT	NT	*	ns							A3
					freshner	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					geninst	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					lco2conc	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					schtyp	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					temp	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
log m,p-Xylene	A3	NT	NT	*	actvout	B3	NT	NT	*	ns	C3	NT	NT	*	*	ns	A3
					ag8_01	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					carpet	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					chemprod	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					clage	B3	NT	NT	*	ns							A3
					freshner	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					geninst	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					lco2conc	B1	ns	NA	NA	*	C1	ns	NA	NA	ns	ns	B1
					schtyp	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A3
					temp	B1	ns	NA	NA	ns	C1	ns	NA	NA	*	*	C1
log CO2	A1	ns	NA	NA	ag8_01	B1	ns	NA	NA	ns	C3	NT	NT	*	ns	*	none
					ahuaxs	B1	ns	NA	NA	ns	C3	NT	NT	*	ns	*	none
					cairok	B1	ns	NA	NA	*	C3	NT	NT	*	*	*	C3
					clage	B3	NT	NT	*	*							B3
					hvacmode	B1	ns	NA	NA	ns	C3	NT	NT	*	ns	*	none
					oapers	B1	*	NA	NA	ns	C3	NT	NT	*	ns	*	none
					region	B1	ns	NA	NA	ns	C3	NT	NT	*	ns	*	none
					schtyp	B1	ns	NA	NA	*	C3	NT	NT	*	*	*	C3
					tairpers	B1	*	NA	NA	ns	C3	NT	NT	*	ns	*	none

Identification Of Preferred Models

Dependent Variable	Selected A Model	R	Z	Z*R	X or X2 Variable	Selected B Model	R	Z	Z*R	X	Selected C Model	R	Z	Z*R	X2	CLAGE	Preferred Model
					turnoff	B1	ns	NA	NA	ns	C3	NT	NT	*	ns	*	none
					usetol	B1	ns	NA	NA	ns	C3	NT	NT	*	ns	*	none
% time CO2>1000ppm	A1	ns	NA	NA	ag8_01	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					ahuaxs	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					cairok	B1	ns	NA	NA	*	C1	ns	NA	NA	*	*	C1
					clage	B1	*	NA	NA	*							B1
					hvacmode	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					oapers	B1	*	NA	NA	ns	C1	*	NA	NA	ns	*	none
					region	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					schtyp	B1	ns	NA	NA	*	C1	*	NA	NA	*	*	C1
					tairpers	B1	*	NA	NA	ns	C1	*	NA	NA	ns	*	none
					turnoff	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					usetol	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
particles/min <=2.5um	A2	ns	*	NA	actvout	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
					ag8_01	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A2
					ahuaxs	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A2
					carpet	B2	*	*	NA	*	C3	NT	NT	*	ns	ns	B2
					clage	B3	NT	NT	*	ns							A2
					dustmat	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A2
					fltrgap	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
					fltrldg	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
					lco2conc	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					rfq16b	B2	ns	*	NA	ns	C3	NT	NT	*	*	ns	A2
					schtyp	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
particles/min <=10um	A2	ns	*	NA	actvout	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
					ag8_01	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A2
					ahuaxs	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A2
					carpet	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2

Identification Of Preferred Models

Dependent Variable	Selected A Model	R	Z	Z*R	X or X2 Variable	Selected B Model	R	Z	Z*R	X	Selected C Model	R	Z	Z*R	X2	CLAGE	Preferred Model
					clage	B3	NT	NT	*	ns							A2
					dustmat	B3	NT	NT	*	ns	C3	NT	NT	*	ns	ns	A2
					fltrgap	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
					fltrldg	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
					lco2conc	B2	ns	*	NA	ns	C2	ns	*	NA	ns	ns	A2
					rfq16b	B2	ns	*	NA	ns	C3	NT	NT	*	*	ns	A2
					schtyp	B2	ns	*	NA	ns	C3	NT	NT	*	ns	ns	A2
noise-register Hvac on	A1	ns	NA	NA	ahuaxs	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					cairok	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					clage	B1	*	NA	NA	*							B1
					lco2conc	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	ns	none
					rbc4	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	*	none
					schtyp	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					totsair	B1	*	NA	NA	ns	C1	*	NA	NA	ns	*	none
					turnoff	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
					urban	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	*	none
% time temp<20 deg C	A1	*	NA	NA	ahuaxs	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	A1
					cairok	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	A1
					clage	B1	ns	NA	NA	ns							A1
					oapers	B1	ns	NA	NA	ns	C1	ns	NA	NA	*	ns	A1
					region	B1	*	NA	NA	ns	C1	ns	NA	NA	ns	ns	A1
					schtyp	B1	*	NA	NA	ns	C1	ns	NA	NA	ns	ns	A1
					tairpers	B1	ns	NA	NA	ns	C1	*	NA	NA	ns	ns	A1
					turnoff	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	A1
					usetol	B1	*	NA	NA	*	C1	ns	NA	NA	*	ns	B1
% time temp>23 deg C	A1	ns	NA	NA	ahuaxs	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					cairok	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					clage	B1	ns	NA	NA	ns							none

Identification Of Preferred Models

Dependent Variable	Selected A Model	R	Z	Z*R	X or X2 Variable	Selected B Model	R	Z	Z*R	X	Selected C Model	R	Z	Z*R	X2	CLAGE	Preferred Model
					oapers	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					region	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					schtyp	B1	ns	NA	NA	*	C1	ns	NA	NA	ns	ns	B1
					tairpers	B1	ns	NA	NA	ns	C1	ns	NA	NA	*	ns	none
					turnoff	B1	ns	NA	NA	ns	C1	ns	NA	NA	ns	ns	none
					usetol	B1	ns	NA	NA	*	C1	ns	NA	NA	*	ns	B1

APPENDIX H

Detailed Results for Selected Models

The remainder of this appendix provides details on the models for selected Y and X variables and selected model types. For each model, the following are given:

Identification of Y
Identification of Model Type (e.g., A2 or C3)
The R-Square Value (% of variation accounted for by the model)
Estimated model parameters, their standard errors, and results of significance tests (t-tests). Note that the variable labeled OUTDRLEV is the counterpart of the response variable, Y – i.e., it is the Z variable. For instance, if Y = log(indoor concentration of some analyte), then OUTDRLEV = Z = log(outdoor concentration of the analyte).

Log10 Pollen Count - Model A2 R-Square = 14.1

Response variable Y820M100

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	0.6884	0.1020	6.7494	0.0000
CLASTYP				
1	-0.0252	0.0425	-0.5930	0.5555
2	0.0000	0.0000	.	.
OUTDRLEV	0.1835	0.0894	2.0531	0.0447

Log10 Pollen Count - Model B2 R-Square = 16.7

Response variable Y820M100

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	0.6828	0.1008	6.7709	0.0000
CLASTYP				
1	-0.0401	0.0460	-0.8712	0.3873
2	0.0000	0.0000	.	.
OUTDRLEV	0.2004	0.0917	2.1856	0.0330
WERE THERE ANY WINDOWS OPEN TODAY?				
1	-0.1855	0.0830	-2.2352	0.0293
2	0.0000	0.0000	.	.

Log10 Total Fungal Spores - Model A2 R-Square = 19.8

Response variable Y898M100

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.2369	0.3028	4.0844	0.0001
CLASTYP				
1	0.0157	0.0821	0.1914	0.8489
2	0.0000	0.0000	.	.
OUTDRLEV	0.3784	0.0871	4.3469	0.0001

Log Formaldehyde - Model C1 R-Square = 14.1

Response variable Y501M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.9513	0.1591	12.2629	0.0000
CLASTYP				
1	0.2877	0.1330	2.1630	0.0345
2	0.0000	0.0000	.	.
CLASSROOM AGE (YRS)	0.0078	0.0029	2.6618	0.0100
BOOKCASES/PRESSED WOOD				
1	0.3042	0.1314	2.3160	0.0240
2	0.0000	0.0000	.	.

Log Formaldehyde - Model A1 R-Square = 3.4

Response variable Y501M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	2.3861	0.0825	28.9397	0.0000
CLASTYP				
1	0.2063	0.0838	2.4617	0.0167
2	0.0000	0.0000	.	.

Log Formaldehyde - Model B1 R-Square = 9.1

Response variable Y501M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	2.0950	0.1601	13.0856	0.0000
CLASTYP				
1	0.3975	0.1307	3.0413	0.0035
2	0.0000	0.0000	.	.
CLASSROOM AGE (YRS)	0.0070	0.0030	2.3262	0.0234

Log Formaldehyde - Model B1 R-Square = 5.6

Response variable Y501M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	2.3585	0.0883	26.6960	0.0000
CLASTYP				
1	0.1849	0.0819	2.2566	0.0277
2	0.0000	0.0000	.	.
AIR FRESHENER				
1	0.2152	0.0938	2.2942	0.0253
2	0.0000	0.0000	.	.

Log Formaldehyde - Model B1 R-Square = 4.8

Response variable Y501M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	2.1256	0.1236	17.1905	0.0000
CLASTYP				
1	0.2248	0.0838	2.6813	0.0095
2	0.0000	0.0000	.	.
GENERAL INSTRUCTION CLASSROOM				
1	0.2700	0.1314	2.0543	0.0443
2	0.0000	0.0000	.	.

Log Formaldehyde - Model B2 R-Square = 22.2

Response variable Y501M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	0.3458	0.7968	0.4340	0.6658
CLASTYP				
1	0.1526	0.0745	2.0467	0.0451
2	0.0000	0.0000	.	.
OUTDRLEV	0.2378	0.0787	3.0230	0.0037
LCO2CONC	0.2704	0.1207	2.2408	0.0288

Log Formaldehyde - Model B1 R-Square = 32.2

Response variable Y501M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.6641	0.1645	10.1145	0.0000
CLASTYP				
1	0.1025	0.0784	1.3065	0.1964
2	0.0000	0.0000	.	.
Avg relative humidity	0.0188	0.0033	5.6877	0.0000

Log Acetaldehyde - Model A2 R-Square = 18.4

Response variable Y502M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.4377	0.1311	10.9665	0.0000
CLASTYP				
1	0.0734	0.0563	1.3046	0.1970
2	0.0000	0.0000	.	.
OUTDRLEV	0.2423	0.0824	2.9401	0.0047

Log Acetaldehyde - Model B2 R-Square = 23.5

Response variable Y502M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.3630	0.1307	10.4285	0.0000
CLASTYP				
1	0.0549	0.0513	1.0706	0.2887
2	0.0000	0.0000	.	.
OUTDRLEV	0.2412	0.0739	3.2652	0.0018
BOOKCASES/PRESSED WOOD				
1	0.1312	0.0644	2.0366	0.0461
2	0.0000	0.0000	.	.

Log o,p-Tolualdehyde - Model A3 R-Square = 4.2

Response variable Y515M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.6619	1.6469	1.0091	0.3170
CLASTYP				
1	-4.3137	1.0907	-3.9550	0.0002
2	0.0000	0.0000	.	.
OUTDRLEV	1.5254	0.4476	3.4081	0.0012
OUTDRLEV, CLASTYP				
1, 1	-1.2932	0.3518	-3.6759	0.0005
1, 2	0.0000	0.0000	.	.

Log o,p-Tolualdehyde - Model B3 R-Square = 10.8

Response variable Y515M200

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	-0.3577	2.0432	-0.1751	0.8616
CLASTYP				
1	-4.2376	1.1291	-3.7532	0.0004
2	0.0000	0.0000	.	.
OUTDRLEV	1.2285	0.5331	2.3043	0.0247
School type				
1	1.3777	0.3435	4.0104	0.0002
2	0.5024	0.3972	1.2647	0.2109
3	0.0000	0.0000	.	.
OUTDRLEV, CLASTYP				
1, 1	-1.2546	0.3506	-3.5783	0.0007
1, 2	0.0000	0.0000	.	.

Log Tetrachloroethylene - Model A2 R-Square = 32.5

Response variable Y118M300

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	0.2803	0.1708	1.6414	0.1123
CLASTYP				
1	-0.2324	0.1436	-1.6180	0.1173
2	0.0000	0.0000	.	.
OUTDRLEV	0.4534	0.1346	3.3681	0.0023

Log Tetrachloroethylene - Model B2 R-Square = 43.1

Response variable Y118M300

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	0.6364	0.1015	6.2676	0.0000
CLASTYP				
1	-0.1198	0.1348	-0.8888	0.3820
2	0.0000	0.0000	.	.
OUTDRLEV	0.4326	0.1066	4.0600	0.0004
CARPET/RUGS ON FLOOR				
1	-0.6029	0.1964	-3.0696	0.0048
2	0.0000	0.0000	.	.

log Benzene – Model C1 R-Square = 21.1

Response variable Y111M300

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	-1.1467	0.6733	-1.7030	0.1020
CLASTYP				
1	0.1304	0.3165	0.4119	0.6842
2	0.0000	0.0000	.	.
CLASSROOM AGE (YRS)	0.0184	0.0098	1.8727	0.0739
CARPET/RUGS ON FLOOR				
1	0.9872	0.4624	2.1350	0.0436
2	0.0000	0.0000	.	.

Log Toluene - Model A3 R-Square = 44.7

Response variable Y119M300

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.2451	0.2410	5.1664	0.0000
CLASTYP				
1	0.4300	0.1593	2.6986	0.0128
2	0.0000	0.0000	.	.
OUTDRLEV	0.6443	0.1993	3.2321	0.0037
OUTDRLEV, CLASTYP				
1, 1	-0.6725	0.1400	-4.8042	0.0001
1, 2	0.0000	0.0000	.	.

Log Toluene - Model B3 R-Square 55.8

Response variable Y119M300

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.5413	0.4442	3.4698	0.0021
CLASTYP				
1	0.2558	0.3049	0.8388	0.4102
2	0.0000	0.0000	.	.
OUTDRLEV	0.8066	0.2054	3.9259	0.0007
CLASSROOM AGE (YRS)	-0.0056	0.0078	-0.7246	0.4760
OUTDRLEV, CLASTYP				
1, 1	-0.8234	0.1432	-5.7519	0.0000
1, 2	0.0000	0.0000	.	.

Log Toluene - Model B3 R-Square = 45.5

Response variable Y119M300

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.2858	0.2426	5.2997	0.0000
CLASTYP				
1	0.4017	0.1573	2.5540	0.0177
2	0.0000	0.0000	.	.
OUTDRLEV	0.6307	0.2030	3.1072	0.0050
NEW CONSTRUCT/REPAIR AFFECTING IAQ				
1	-0.3982	0.4675	-0.8518	0.4031
2	0.0000	0.0000	.	.
OUTDRLEV, CLASTYP				
1, 1	-0.6598	0.1440	-4.5823	0.0001
1, 2	0.0000	0.0000	.	.

Log Toluene - Model C3 R-Square = 69.2

Response variable Y119M300

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	1.9562	0.2906	6.7313	0.0000
CLASTYP				
1	-0.0569	0.2407	-0.2365	0.8152
2	0.0000	0.0000	.	.
OUTDRLEV	0.9019	0.1926	4.6829	0.0001
CLASSROOM AGE (YRS)	-0.0135	0.0063	-2.1380	0.0434
OUTDRLEV, CLASTYP				
1, 1	-0.8759	0.1343	-6.5231	0.0000
1, 2	0.0000	0.0000	.	.
NEW CONSTRUCT/REPAIR AFFECTING IAQ				
1	-1.6493	0.3351	-4.9221	0.0001
2	0.0000	0.0000	.	.

Log CO2 - Model B3 R-Square = 36.8

Response variable LCO2CONC

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	14.2921	3.2844	4.3515	0.0001
CLASTYP				
1	-12.7754	3.7325	-3.4228	0.0013
2	0.0000	0.0000	.	.
OUTDRLEV	-1.2966	0.5433	-2.3866	0.0209
CLASSROOM AGE (YRS)	0.0123	0.0028	4.3914	0.0001
OUTDRLEV, CLASTYP				
1, 1	2.1682	0.6141	3.5307	0.0009
1, 2	0.0000	0.0000	.	.

Log CO2 - Model C3 R-Square = 47.2

Response variable LCO2CONC

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	13.2218	3.1591	4.1853	0.0001
CLASTYP				
1	-11.5508	3.8657	-2.9880	0.0044
2	0.0000	0.0000	.	.
OUTDRLEV	-1.0724	0.5225	-2.0526	0.0455
CLASSROOM AGE (YRS)	0.0091	0.0034	2.6893	0.0098
OUTDRLEV, CLASTYP				
1, 1	1.9479	0.6333	3.0758	0.0034
1, 2	0.0000	0.0000	.	.
Classroom Air Quality Okay				
1	-0.2733	0.0828	-3.2997	0.0018
2	0.0000	0.0000	.	.

Log CO2 - Model C3 R-Square = 43.9

Response variable LCO2CONC

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	14.0099	3.1664	4.4245	0.0001
CLASTYP				
1	-11.8120	3.4518	-3.4220	0.0013
2	0.0000	0.0000	.	.
OUTDRLEV	-1.1955	0.5224	-2.2885	0.0265
CLASSROOM AGE (YRS)	0.0094	0.0023	3.9944	0.0002
OUTDRLEV, CLASTYP				
1, 1	1.9984	0.5700	3.5058	0.0010
1, 2	0.0000	0.0000	.	.
School type				
1	-0.2621	0.1083	-2.4209	0.0192
2	-0.3276	0.0991	-3.3054	0.0018
3	0.0000	0.0000	.	.

%time CO2>1000ppm - Model B1 R-Square = 26.7

Response variable CO2GT1K

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	11.9604	9.4141	1.2705	0.2099
CLASTYP				
1	23.5214	8.0290	2.9296	0.0051
2	0.0000	0.0000	.	.
CLASSROOM AGE (YRS)	0.7819	0.2304	3.3943	0.0014

%time CO2>1000ppm - Model C1 R-Square = 40.9

Response variable CO2GT1K

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	39.8264	15.1740	2.6246	0.0115
CLASTYP				
1	18.0375	8.4216	2.1418	0.0372
2	0.0000	0.0000	.	.
CLASSROOM AGE (YRS)	0.5393	0.2228	2.4207	0.0192
School type				
1	-18.2029	9.4786	-1.9204	0.0606
2	-40.0137	9.4153	-4.2499	0.0001
3	0.0000	0.0000	.	.

Particles/min<=2.5um - Model B2 R-Square = 61.2

Response variable LPCNT1

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	4.3921	0.8504	5.1645	0.0000
CLASTYP				
1	0.2583	0.1263	2.0456	0.0452
2	0.0000	0.0000	.	.
OUTDRLEV	0.5613	0.0833	6.7393	0.0000
CARPET/RUGS ON FLOOR				
1	-0.4416	0.2190	-2.0166	0.0482
2	0.0000	0.0000	.	.

Noise near register, HVAC on - Model B1 R-Square = 10.7

Response variable RBB7IRY

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	53.5308	1.7363	30.8304	0.0000
CLASTYP				
1	4.3633	1.5179	2.8746	0.0056
2	0.0000	0.0000	.	.
CLASSROOM AGE (YRS)	0.1042	0.0357	2.9192	0.0050

% time temp<20 deg C - Model A1 R-Square = 3.7

Response variable TEMPLT20

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	16.6860	3.7549	4.4438	0.0000
CLASTYP				
1	10.2962	4.4453	2.3162	0.0244
2	0.0000	0.0000	.	.

% time temp<20 deg C - Model B1 R-Square = 23.7

Response variable TEMPLT20

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	13.7304	2.7210	5.0462	0.0000
CLASTYP				
1	11.7712	4.7656	2.4700	0.0167
2	0.0000	0.0000	.	.
Awareness/use of EPA IAQ Tools				
1	7.2745	8.9705	0.8109	0.4210
2	37.5797	14.2173	2.6432	0.0107
3	-7.9355	4.1987	-1.8900	0.0641
4	0.0000	0.0000	.	.

% time temp>23 deg C - Model B1 R-Square = 18.9

Response variable TEMPGT23

Independent Variables and Effects	Beta Coeff.	SE Beta	T-Test B=0	P-value T-Test B=0
Intercept	25.5064	5.2359	4.8714	0.0000
CLASTYP				
1	-3.4425	7.1608	-0.4807	0.6326
2	0.0000	0.0000	.	.
Awareness/use of EPA IAQ Tools				
1	10.0978	9.5750	1.0546	0.2963
2	-20.1346	4.9042	-4.1055	0.0001
3	26.6139	10.0112	2.6584	0.0103
4	0.0000	0.0000	.	.