ADDITIONAL MATERIALS AVAILABLE ON THE HEI WEBSITE

Research Report 192, Part 2

The Multicenter Ozone Study in oldEr Subjects (MOSES): Part 2. Effects of Personal and Ambient Concentrations of Ozone and Other Pollutants on Cardiovascular and Pulmonary Function

Rich and Frampton et al.

Additional Materials 1. Supplementary Tables for Primary Endpoints

These Additional Materials were not formatted or edited by HEI. This document was part of the HEI MOSES Review Panel's review process.

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Additional Materials 1, Table 1. Controlled ozone effects on pre- to post-exposure change in cardiovascular and pulmonary biomarkers, after adjustment for ambient and PES pollutants in the 96 hours before the pre-exposure visit

Outcome	Pollutant	Lag Hours	Ozone (ppb)	Differences in Estimates	95% CI	Type II SS p-value
HF (ms^2)	MOSES 1 Main Effect		120 ppb	545.3	9.1, 1081.4	0.067
			70 ppb	-13.0	-540.6, 514.7	
	PES O_3 (ppb)	0-71	120 ppb	641.7	7.5, 1275.9	0.131
			70 ppb	246.8	-413.5, 907.2	
	PES NO_2 (ppb)	0-71	120 ppb	726.8	90.8, 1362.7	0.081
			70 ppb	362.5	-302.5, 1027.5	
	Ambient O_3 (ppb)	0	120 ppb	673.1	-3.9, 1350.0	0.125
			70 ppb	128.3	-540.4, 796.9	
		0-2	120 ppb	472.9	-146.9, 1092.6	0.299
			70 ppb	99.9	-507.4, 707.1	
		0-11	120 ppb	691.2	42.1, 1340.2	0.076
			70 ppb	78.4	-586.8, 743.6	
		0-23	120 ppb	683.7	33.3, 1334.2	0.110
			70 ppb	230.9	-434.4, 896.2	
		0-47	120 ppb	771.5	103.9, 1439.2	0.076
			70 ppb	370.0	-304.1, 1044.0	
		0-71	120 ppb	713.1	43.7, 1382.4	0.108
			70 ppb	291.8	-401.0, 984.6	
		0-95	120 ppb	647.3	-9.0, 1303.5	0.147
			70 ppb	245.6	-426.7, 918.0	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	716.0	26.7, 1405.3	0.107
			70 ppb	176.3	-512.0, 864.6	
		0-2	120 ppb	792.1	80.5, 1503.7	0.077
			70 ppb	200.7	-513.4, 914.8	
		0-11	120 ppb	781.2	107.0, 1455.3	0.051
			70 ppb	124.7	-559.8, 809.2	
		0-23	120 ppb	762.8	86.9, 1438.8	0.081
			70 ppb	280.1	-403.6, 963.9	
		0-47	120 ppb	933.8	226.0, 1641.7	0.035
			70 ppb	476.4	-230.6, 1183.5	
		0-71	120 ppb	831.8	127.5, 1536.0	0.067
			70 ppb	395.6	-333.2, 1124.4	
		0-95	120 ppb	769.8	75.5, 1464.1	0.090
			70 ppb	333.6	-393.7, 1061.0	
	Ambient CO (ppm)	0	120 ppb	648.1	-27.0, 1323.2	0.149
			70 ppb	156.5	-512.3, 825.3	
		0-2	120 ppb	686.8	-5.6, 1379.1	0.127
			70 ppb	149.1	-544.9, 843.1	
		0-11	120 ppb	706.0	43.9, 1368.1	0.077
			70 ppb	110.9	-571.8, 793.6	
		0-23	120 ppb	758.4	91.1, 1425.8	0.078
			70 ppb	295.1	-392.2, 982.3	

		0-47	120 ppb	892.3	208.9, 1575.6	0.038
			70 ppb	449.4	-245.1, 1144.0	
		0-71	120 ppb	822.1	139.2, 1505.0	0.060
			70 ppb	380.2	-332.5, 1092.8	
		0-95	120 ppb	731.8	56.6, 1406.9	0.100
			70 ppb	285.8	-409.5, 981.1	
	Ambient NO_2 (ppb)	0	120 ppb	658.1	-60.5, 1376.6	0.170
			70 ppb	122.4	-588.3, 833.1	
		0-2	120 ppb	733.4	-2.5, 1469.4	0.115
			70 ppb	111.2	-621.7, 844	
		0-11	120 ppb	711.6	18.6, 1404.6	0.079
			70 ppb	40.2	-670.2, 750.7	
		0-23	120 ppb	789.5	99.1, 1479.9	0.074
			70 ppb	268.7	-432.4, 969.8	
		0-47	120 ppb	923.9	216.9, 1630.9	0.037
			70 ppb	432.5	-279.4, 1144.4	
		0-71	120 ppb	879.0	158.6, 1599.4	0.056
			70 ppb	390.3	-344.7, 1125.3	
		0-95	120 ppb	768.0	57.8, 1478.2	0.099
			70 ppb	278.1	-449.4, 1005.5	
	Ambient SO_2 (ppb)	0	120 ppb	724.5	-183.5, 1632.5	0.267
			70 ppb	178.9	-739.0, 1096.8	
		0-2	120 ppb	746.1	-177.3, 1669.4	0.264
			70 ppb	193.8	-728.8, 1116.3	
		0-11	120 ppb	986.7	93.0, 1880.4	0.070
			70 ppb	183.2	-727.3, 1093.7	
		0-23	120 ppb	736.7	-145.0, 1618.3	0.237
			70 ppb	207.9	-697.8, 1113.6	
		0-47	120 ppb	1026.1	107.2, 1944.9	0.084
			70 ppb	380.1	-550.5, 1310.7	
		0-71	120 ppb	885.7	-29.9, 1801.2	0.164
			70 ppb	432.5	-532.7, 1397.6	
		0-95	120 ppb	741.2	-169.4, 1651.8	0.270
			70 ppb	279.5	-674.5, 1233.4	
Ln of HF (ms^2)	PES O_3 (ppb)	0-71	120 ppb	0.172	-0.043, 0.386	0.291
			70 ppb	0.090	-0.122, 0.302	
	PES NO_2 (ppb)	0-71	120 ppb	0.193	-0.022, 0.407	0.205
			70 ppb	0.120	-0.093, 0.334	
	Ambient O_3 (ppb)	0	120 ppb	0.202	-0.022, 0.426	0.208
			70 ppb	0.095	-0.129, 0.319	
		0-2	120 ppb	0.180	-0.053, 0.414	0.315
			70 ppb	0.096	-0.132, 0.324	
		0-11	120 ppb	0.185	-0.038, 0.409	0.261
			70 ppb	0.108	-0.113, 0.330	
		0-23	120 ppb	0.180	-0.043, 0.403	0.285
			70 ppb	0.090	-0.131, 0.311	
		0-47	120 ppb	0.162	-0.063, 0.387	0.365
			70 ppb	0.091	-0.129, 0.312	

	0-71	120 ppb	0.164	-0.061, 0.390	0.357
		70 ppb	0.092	-0.129, 0.313	
	0-95	120 ppb	0.153	-0.071, 0.377	0.403
		70 ppb	0.085	-0.134, 0.305	
Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.190	-0.041, 0.420	0.271
		70 ppb	0.089	-0.142, 0.320	
	0-2	120 ppb	0.212	-0.024, 0.448	0.209
		70 ppb	0.122	-0.115, 0.360	
	0-11	120 ppb	0.189	-0.040, 0.418	0.268
		70 ppb	0.083	-0.143, 0.308	
	0-23	120 ppb	0.209	-0.021, 0.440	0.201
		70 ppb	0.085	-0.140, 0.310	
	0-47	120 ppb	0.226	-0.007, 0.460	0.162
		70 ppb	0.096	-0.130, 0.322	
	0-71	120 ppb	0.227	-0.006, 0.459	0.160
		70 ppb	0.107	-0.118, 0.333	
	0-95	120 ppb	0.198	-0.035, 0.432	0.246
		70 ppb	0.085	-0.144, 0.314	
Ambient CO (ppm)	0	120 ppb	0.203	-0.023, 0.430	0.208
		70 ppb	0.084	-0.143, 0.310	
	0-2	120 ppb	0.225	-0.006, 0.456	0.162
		70 ppb	0.105	-0.127, 0.337	
	0-11	120 ppb	0.209	-0.017, 0.436	0.193
		70 ppb	0.110	-0.116, 0.336	
	0-23	120 ppb	0.218	-0.009, 0.446	0.165
		70 ppb	0.089	-0.137, 0.315	
	0-47	120 ppb	0.219	-0.009, 0.447	0.160
		70 ppb	0.079	-0.147, 0.305	
	0-71	120 ppb	0.226	-0.002, 0.454	0.145
		70 ppb	0.085	-0.141, 0.310	
	0-95	120 ppb	0.224	-0.006, 0.453	0.151
		70 ppb	0.076	-0.149, 0.301	
Ambient NO_2 (ppb)	0	120 ppb	0.126	-0.113, 0.365	0.555
		70 ppb	0.027	-0.210, 0.265	
	0-2	120 ppb	0.136	-0.107, 0.380	0.530
		70 ppb	0.040	-0.203, 0.283	
	0-11	120 ppb	0.160	-0.075, 0.396	0.387
		70 ppb	0.043	-0.190, 0.276	
	0-23	120 ppb	0.191	-0.044, 0.425	0.253
		70 ppb	0.048	-0.183, 0.279	
	0-47	120 ppb	0.186	-0.050, 0.422	0.271
		70 ppb	0.045	-0.186, 0.276	
	0-71	120 ppb	0.173	-0.065, 0.411	0.345
		70 ppb	0.050	-0.181, 0.282	
	0-95	120 ppb	0.189	-0.049, 0.427	0.274
		70 ppb	0.051	-0.181, 0.284	
Ambient SO_2 (ppb)	0	120 ppb	0.218	-0.036, 0.472	0.158
		70 ppb	0.002	-0.259, 0.264	
	0-2	120 ppb	0.229	-0.027, 0.485	0.140

			70 ppb	0.007	-0.254, 0.269	
		0-11	120 ppb	0.151	-0.110, 0.412	0.442
			70 ppb	0.009	-0.254, 0.272	
		0-23	120 ppb	0.196	-0.064, 0.456	0.286
			70 ppb	0.032	-0.228, 0.291	
		0-47	120 ppb	0.194	-0.067, 0.454	0.298
			70 ppb	0.036	-0.225, 0.296	
		0-71	120 ppb	0.189	-0.072, 0.451	0.319
			70 ppb	0.037	-0.222, 0.297	
		0-95	120 ppb	0.201	-0.062, 0.464	0.284
			70 ppb	0.039	-0.221, 0.299	
LF (ms^2)	MOSES 1 Main Effect		120 ppb	150.8	-27.0, 328.5	0.109
			70 ppb	-25.4	-200.2, 149.5	
	PES O_3 (ppb)	0-71	120 ppb	229.3	58.6, 400.0	0.031
			70 ppb	122.8	-56.1, 301.7	
			70 ppb	122.8	-56.1, 301.7	
	PES NO_2 (ppb)	0-71	120 ppb	230.4	59.8, 400.9	0.030
			70 ppb	120.9	-58.3, 300.0	
	Ambient O_3 (ppb)	0	120 ppb	161.6	-15.3, 338.5	0.187
			70 ppb	103.3	-71.7, 278.3	
		0-2	120 ppb	176.3	-8.7, 361.4	0.171
			70 ppb	94.9	-87.1, 277.0	
		0-11	120 ppb	233.2	61.5, 404.9	0.029
			70 ppb	113.1	-63.6, 289.8	
		0-23	120 ppb	234.6	61.6, 407.6	0.029
			70 ppb	130.6	-47.1, 308.3	
		0-47	120 ppb	233.1	56.1, 410.2	0.035
			70 ppb	114.6	-64.3, 293.6	
		0-71	120 ppb	229.8	52.5, 407.1	0.040
			70 ppb	124.3	-59.7, 308.4	
		0-95	120 ppb	226.1	52.2, 400.1	0.038
			70 ppb	140.2	-38.7, 319.1	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	194.3	15.5, 373.0	0.103
			70 ppb	94.9	-84.6, 274.3	
		0-2	120 ppb	249.0	65.1, 432.8	0.030
			70 ppb	127.1	-58.2, 312.3	
		0-11	120 ppb	247.6	71.8, 423.4	0.021
			70 ppb	98.6	-80.6, 277.9	
		0-23	120 ppb	255.2	77.1, 433.3	0.019
			70 ppb	123.4	-57.5, 304.4	
		0-47	120 ppb	287.7	100.7, 474.7	0.011
			70 ppb	142.1	-45.1, 329.3	
		0-71	120 ppb	260.8	75.1, 446.5	0.023
			70 ppb	156.3	-36.8, 349.4	
		0-95	120 ppb	259.0	76.4, 441.5	0.020
			70 ppb	178.7	-14.0, 371.4	
	Ambient CO (ppm)	0	120 ppb	157.8	-16.5, 332.1	0.200
			70 ppb	95.3	-77.6, 268.2	
		0-2	120 ppb	193.6	15.2, 372.1	0.103

			70 ppb	84.3	-95.1, 263.7	
		0-11	120 ppb	237.5	63.7, 411.4	0.025
			70 ppb	88.6	-91.5, 268.6	
		0-23	120 ppb	257.1	80.6, 433.6	0.016
			70 ppb	117.0	-65.6, 299.6	
		0-47	120 ppb	283.0	103.3, 462.6	0.008
			70 ppb	117.8	-65.3, 300.8	
		0-71	120 ppb	269.9	91.2, 448.6	0.012
			70 ppb	135.5	-51.7, 322.8	
		0-95	120 ppb	254.5	78.0, 430.9	0.019
			70 ppb	141.7	-40.7, 324.1	
	Ambient NO_2 (ppb)	0	120 ppb	164.0	-24.5, 352.4	0.210
			70 ppb	114.8	-72.1, 301.6	
		0-2	120 ppb	207.9	16.2, 399.6	0.104
			70 ppb	100.7	-90.7, 292.0	
		0-11	120 ppb	235.7	52.6, 418.8	0.037
			70 ppb	81.3	-107.4, 269.9	
		0-23	120 ppb	257.1	73.9, 440.2	0.022
			70 ppb	111.1	-75.6, 297.8	
		0-47	120 ppb	270.4	83.9, 457.0	0.016
			70 ppb	108.5	-79.9, 296.9	
		0-71	120 ppb	257.1	67.1, 447.1	0.030
			70 ppb	132.5	-62.2, 327.1	
		0-95	120 ppb	249.7	62.8, 436.5	0.032
			70 ppb	150.5	-42.1, 343.1	
	Ambient SO_2 (ppb)	0	120 ppb	64.3	-143.1, 271.6	0.688
			70 ppb	-25.9	-236.7, 184.9	
		0-2	120 ppb	95.9	-114.3, 306.0	0.541
			70 ppb	-16.0	-227.4, 195.3	
		0-11	120 ppb	161.3	-41.0, 363.5	0.132
			70 ppb	-34.0	-239.9, 171.8	
		0-23	120 ppb	121.8	-78.5, 322.1	0.188
			70 ppb	-63.0	-268.4, 142.3	
		0-47	120 ppb	170.3	-38.2, 378.9	0.050
			70 ppb	-80.9	-292.3, 130.5	
		0-71	120 ppb	153.5	-54.8, 361.8	0.169
			70 ppb	-32.5	-251.5, 186.6	
		0-95	120 ppb	140.4	-67.9, 348.7	0.257
			70 ppb	-21.5	-238.2, 195.3	
Ln of LF (ms^2)	PES O_3 (ppb)	0-71	120 ppb	0.147	-0.056, 0.351	0.309
			70 ppb	0.023	-0.178, 0.224	
	PES NO_2 (ppb)	0-71	120 ppb	0.143	-0.061, 0.347	0.308
			70 ppb	0.011	-0.192, 0.215	
	Ambient O_3 (ppb)	0	120 ppb	0.109	-0.099, 0.316	0.439
			70 ppb	-0.021	-0.229, 0.187	
		0-2	120 ppb	0.127	-0.091, 0.344	0.431
			70 ppb	0.003	-0.210, 0.215	
		0-11	120 ppb	0.157	-0.051, 0.365	0.238

			70 ppb	0.001	-0.205, 0.208	
		0-23	120 ppb	0.166	-0.043, 0.374	0.192
			70 ppb	-0.002	-0.209, 0.204	
		0-47	120 ppb	0.151	-0.059, 0.362	0.280
			70 ppb	0.008	-0.199, 0.214	
		0-71	120 ppb	0.152	-0.059, 0.363	0.271
			70 ppb	0.005	-0.202, 0.212	
		0-95	120 ppb	0.161	-0.050, 0.371	0.208
			70 ppb	-0.008	-0.214, 0.199	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.168	-0.041, 0.377	0.111
			70 ppb	-0.043	-0.253, 0.166	
		0-2	120 ppb	0.178	-0.033, 0.390	0.177
			70 ppb	0.012	-0.202, 0.226	
		0-11	120 ppb	0.185	-0.025, 0.395	0.058
			70 ppb	-0.056	-0.263, 0.151	
		0-23	120 ppb	0.226	0.010, 0.441	0.053
			70 ppb	-0.008	-0.218, 0.202	
		0-47	120 ppb	0.254	0.036, 0.472	0.034
			70 ppb	0.009	-0.201, 0.220	
		0-71	120 ppb	0.231	0.013, 0.449	0.068
			70 ppb	0.021	-0.191, 0.232	
		0-95	120 ppb	0.221	0.003, 0.439	0.086
			70 ppb	0.023	-0.191, 0.237	
	Ambient CO (ppm)	0	120 ppb	0.138	-0.070, 0.347	0.307
			70 ppb	-0.007	-0.216, 0.201	
		0-2	120 ppb	0.160	-0.051, 0.372	0.277
			70 ppb	0.026	-0.187, 0.238	
		0-11	120 ppb	0.189	-0.020, 0.399	0.101
			70 ppb	-0.012	-0.221, 0.196	
		0-23	120 ppb	0.206	-0.005, 0.416	0.067
			70 ppb	-0.014	-0.224, 0.195	
		0-47	120 ppb	0.204	-0.007, 0.416	0.065
			70 ppb	-0.020	-0.230, 0.190	
		0-71	120 ppb	0.209	-0.002, 0.421	0.059
			70 ppb	-0.020	-0.229, 0.189	
		0-95	120 ppb	0.210	-0.003, 0.423	0.050
			70 ppb	-0.033	-0.242, 0.175	
	Ambient NO_2 (ppb)	0	120 ppb	0.187	-0.032, 0.406	0.146
			70 ppb	-0.009	-0.227, 0.208	
		0-2	120 ppb	0.190	-0.031, 0.411	0.168
			70 ppb	0.010	-0.211, 0.231	
		0-11	120 ppb	0.215	-0.003, 0.433	0.030
			70 ppb	-0.068	-0.283, 0.148	
		0-23	120 ppb	0.216	-0.001, 0.433	0.023
			70 ppb	-0.077	-0.290, 0.137	
		0-47	120 ppb	0.212	-0.006, 0.430	0.023
			70 ppb	-0.080	-0.294, 0.133	
		0-71	120 ppb	0.213	-0.007, 0.434	0.026
			70 ppb	-0.079	-0.293, 0.135	

		0-95	120 ppb	0.232	0.012, 0.452	0.015
			70 ppb	-0.083	-0.298, 0.132	
	Ambient SO_2 (ppb)	0	120 ppb	0.108	-0.128, 0.343	0.219
			70 ppb	-0.107	-0.349, 0.135	
		0-2	120 ppb	0.095	-0.140, 0.330	0.220
			70 ppb	-0.118	-0.359, 0.123	
		0-11	120 ppb	0.081	-0.162, 0.324	0.209
			70 ppb	-0.136	-0.381, 0.108	
		0-23	120 ppb	0.110	-0.134, 0.354	0.115
			70 ppb	-0.150	-0.394, 0.095	
		0-47	120 ppb	0.128	-0.120, 0.376	0.071
			70 ppb	-0.161	-0.410, 0.087	
		0-71	120 ppb	0.118	-0.131, 0.368	0.087
			70 ppb	-0.160	-0.408, 0.088	
		0-95	120 ppb	0.130	-0.121, 0.382	0.074
			70 ppb	-0.161	-0.410, 0.088	
T-wave amplitude (5 min) (µV)	MOSES 1 Main Effect		120 ppb	22.2	-6.6, 51.0	0.064
			70 ppb	33.7	5.2, 62.3	
	PES O_3 (ppb)	0-71	120 ppb	134.3	-67.3, 336.0	0.174
			70 ppb	184.4	-14.7, 383.6	
	PES NO_2 (ppb)	0-71	120 ppb	140.1	-61.4, 341.7	0.141
			70 ppb	198.3	-2.9, 399.5	
	Ambient O_3 (ppb)	0	120 ppb	108.2	-104.9, 321.2	0.098
			70 ppb	235.4	21.4, 449.3	
		0-2	120 ppb	64.4	-156.7, 285.5	0.068
			70 ppb	247.4	31.0, 463.9	
		0-11	120 ppb	46.4	-156.5, 249.2	0.076
			70 ppb	221.4	20.1, 422.7	
		0-23	120 ppb	62.5	-140.4, 265.4	0.115
			70 ppb	207.5	6.4, 408.6	
		0-47	120 ppb	70.5	-137.7, 278.6	0.312
			70 ppb	158.5	-46.0, 362.9	
		0-71	120 ppb	83.1	-125.1, 291.3	0.294
			70 ppb	163.1	-41.4, 367.7	
		0-95	120 ppb	108.4	-98.4, 315.3	0.251
			70 ppb	170.3	-32.8, 373.4	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	75.9	-131.8, 283.6	0.054
			70 ppb	251.5	42.4, 460.6	
		0-2	120 ppb	72.6	-140.6, 285.8	0.077
			70 ppb	241.9	26.3, 457.5	
		0-11	120 ppb	41.6	-161.9, 245.1	0.053
			70 ppb	231.4	30.6, 432.2	
		0-23	120 ppb	48.0	-155.3, 251.2	0.089
			70 ppb	212.0	13.2, 410.7	
		0-47	120 ppb	21.3	-184.3, 226.8	0.100
			70 ppb	196.6	-2.2, 395.3	
		0-71	120 ppb	8.2	-196.1, 212.6	0.107
			70 ppb	187.2	-11.5, 385.9	

		0-95	120 ppb	3.7	-203.0, 210.3	0.147
			70 ppb	174.3	-28.7, 377.2	
	Ambient CO (ppm)	0	120 ppb	201.1	-14.1, 416.3	0.048
			70 ppb	257.7	42.3, 473.2	
		0-2	120 ppb	205.0	-13.5, 423.5	0.055
			70 ppb	254.6	35.0, 474.1	
		0-11	120 ppb	146.4	-65.1, 357.9	0.150
			70 ppb	204.4	-7.0, 415.7	
		0-23	120 ppb	160.4	-51.5, 372.2	0.149
			70 ppb	199.9	-11.4, 411.2	
		0-47	120 ppb	161.7	-51.0, 374.4	0.149
			70 ppb	199.4	-11.9, 410.7	
		0-71	120 ppb	169.0	-42.7, 380.7	0.122
			70 ppb	207.8	-1.8, 417.4	
		0-95	120 ppb	191.3	-20.8, 403.4	0.101
			70 ppb	205.8	-2.1, 413.7	
	Ambient NO_2 (ppb)	0	120 ppb	101.4	-121.6, 324.4	0.095
			70 ppb	244.8	22.8, 466.9	
		0-2	120 ppb	103.5	-122.5, 329.6	0.099
			70 ppb	246.9	21.0, 472.7	
		0-11	120 ppb	52.4	-164.2, 269.0	0.198
			70 ppb	190.5	-23.9, 404.9	
		0-23	120 ppb	74.4	-141.1, 289.8	0.268
			70 ppb	174.6	-37.5, 386.8	
		0-47	120 ppb	78.8	-137.6, 295.1	0.281
			70 ppb	172.1	-40.3, 384.4	
		0-71	120 ppb	49.4	-165.3, 264.0	0.252
			70 ppb	171.5	-37.4, 380.4	
		0-95	120 ppb	46.3	-167.2, 259.7	0.310
			70 ppb	158.2	-50.6, 367.0	
	Ambient SO_2 (ppb)	0	120 ppb	-11.9	-256.8, 233.1	0.384
			70 ppb	148.0	-103.5, 399.5	
		0-2	120 ppb	-19.1	-266.0, 227.9	0.399
			70 ppb	141.1	-111.1, 393.3	
		0-11	120 ppb	-59.3	-302.6, 184.1	0.438
			70 ppb	97.9	-146.6, 342.4	
		0-23	120 ppb	-20.0	-261.2, 221.2	0.409
			70 ppb	131.3	-109.2, 371.8	
		0-47	120 ppb	-8.1	-248.8, 232.6	0.469
			70 ppb	125.4	-114.7, 365.6	
		0-71	120 ppb	5.4	-235.1, 246.0	0.460
			70 ppb	133.2	-105.3, 371.8	
		0-95	120 ppb	12.3	-228.3, 252.9	0.518
			70 ppb	125.8	-112.0, 363.6	
Ln of T-wave amplitude (5 min) (μV)	PES O_3 (ppb)	0-71	120 ppb	0.020	-0.004, 0.044	0.044
			70 ppb	0.030	0.006, 0.054	
	PES NO_2 (ppb)	0-71	120 ppb	0.021	-0.003, 0.045	0.026
			70 ppb	0.033	0.009, 0.057	

Ambient O_3 (ppb)	0	120 ppb	0.016	-0.010, 0.042	0.012
		70 ppb	0.039	0.013, 0.065	
	0-2	120 ppb	0.015	-0.012, 0.041	0.011
		70 ppb	0.040	0.014, 0.066	
	0-11	120 ppb	0.009	-0.015, 0.034	0.018
		70 ppb	0.034	0.010, 0.059	
	0-23	120 ppb	0.012	-0.013, 0.036	0.034
		70 ppb	0.032	0.008, 0.056	
	0-47	120 ppb	0.013	-0.012, 0.038	0.088
		70 ppb	0.028	0.003, 0.052	
	0-71	120 ppb	0.015	-0.011, 0.040	0.088
		70 ppb	0.028	0.003, 0.052	
	0-95	120 ppb	0.018	-0.007, 0.043	0.070
		70 ppb	0.029	0.004, 0.053	
Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.014	-0.012, 0.040	0.012
		70 ppb	0.039	0.013, 0.065	
	0-2	120 ppb	0.015	-0.012, 0.041	0.018
		70 ppb	0.038	0.012, 0.065	
	0-11	120 ppb	0.010	-0.016, 0.035	0.014
		70 ppb	0.035	0.011, 0.060	
	0-23	120 ppb	0.011	-0.014, 0.036	0.044
		70 ppb	0.031	0.006, 0.055	
	0-47	120 ppb	0.009	-0.017, 0.034	0.050
		70 ppb	0.030	0.005, 0.054	
	0-71	120 ppb	0.006	-0.019, 0.032	0.054
		70 ppb	0.029	0.004, 0.053	
	0-95	120 ppb	0.007	-0.019, 0.032	0.072
		70 ppb	0.028	0.003, 0.053	
Ambient CO (ppm)	0	120 ppb	0.027	0.002, 0.053	0.006
		70 ppb	0.042	0.016, 0.067	
	0-2	120 ppb	0.028	0.002, 0.054	0.008
		70 ppb	0.041	0.015, 0.067	
	0-11	120 ppb	0.019	-0.007, 0.044	0.040
		70 ppb	0.033	0.007, 0.058	
	0-23	120 ppb	0.021	-0.005, 0.046	0.050
		70 ppb	0.031	0.006, 0.056	
	0-47	120 ppb	0.021	-0.004, 0.047	0.048
		70 ppb	0.031	0.006, 0.057	
	0-71	120 ppb	0.022	-0.003, 0.048	0.039
		70 ppb	0.032	0.007, 0.057	
	0-95	120 ppb	0.026	0.000, 0.051	0.030
		70 ppb	0.032	0.007, 0.057	
Ambient NO_2 (ppb)	0	120 ppb	0.006	-0.021, 0.032	0.027
		70 ppb	0.034	0.008, 0.060	
	0-2	120 ppb	0.006	-0.021, 0.033	0.033
		70 ppb	0.034	0.007, 0.060	
	0-11	120 ppb	-0.001	-0.027, 0.025	0.057
		70 ppb	0.026	0.001, 0.052	
	0-23	120 ppb	0.002	-0.023, 0.028	0.118

			70 ppb	0.024	-0.001, 0.049	
		0-47	120 ppb	0.003	-0.023, 0.029	0.138
			70 ppb	0.023	-0.002, 0.048	
		0-71	120 ppb	0.002	-0.024, 0.027	0.122
			70 ppb	0.023	-0.002, 0.048	
		0-95	120 ppb	0.002	-0.023, 0.028	0.166
			70 ppb	0.022	-0.003, 0.047	
	Ambient SO_2 (ppb)	0	120 ppb	0.009	-0.022, 0.041	0.114
			70 ppb	0.033	0.001, 0.066	
		0-2	120 ppb	0.009	-0.022, 0.041	0.123
			70 ppb	0.033	0.001, 0.065	
		0-11	120 ppb	-0.001	-0.033, 0.030	0.185
			70 ppb	0.025	-0.007, 0.057	
		0-23	120 ppb	0.004	-0.027, 0.035	0.136
			70 ppb	0.029	-0.002, 0.060	
		0-47	120 ppb	0.006	-0.026, 0.037	0.152
			70 ppb	0.029	-0.002, 0.060	
		0-71	120 ppb	0.008	-0.024, 0.039	0.139
			70 ppb	0.030	-0.001, 0.061	
		0-95	120 ppb	0.009	-0.022, 0.041	0.170
			70 ppb	0.029	-0.002, 0.060	
ST in V5 (5 min) (µV)	MOSES 1 Main Effect		120 ppb	0.3	-1.5, 2.1	0.932
			70 ppb	0.3	-1.5, 2.1	
	PES O_3 (ppb)	0-71	120 ppb	1.0	-1.0, 3.0	0.603
			70 ppb	0.5	-1.5, 2.5	
	PES NO_2 (ppb)	0-71	120 ppb	0.9	-1.1, 2.9	0.659
			70 ppb	0.4	-1.6, 2.4	
	Ambient O_3 (ppb)	0	120 ppb	0.8	-1.4, 2.9	0.573
			70 ppb	1.1	-1.0, 3.2	
		0-2	120 ppb	0.3	-1.9, 2.5	0.636
			70 ppb	1.0	-1.1, 3.2	
		0-11	120 ppb	0.3	-1.8, 2.3	0.643
			70 ppb	0.9	-1.1, 3.0	
		0-23	120 ppb	0.5	-1.5, 2.6	0.757
			70 ppb	0.8	-1.3, 2.8	
		0-47	120 ppb	0.6	-1.4, 2.7	0.819
			70 ppb	0.5	-1.5, 2.5	
		0-71	120 ppb	0.7	-1.4, 2.8	0.775
			70 ppb	0.6	-1.4, 2.6	
		0-95	120 ppb	0.7	-1.3, 2.7	0.775
			70 ppb	0.5	-1.5, 2.5	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.8	-2.8, 1.3	0.444
			70 ppb	0.5	-1.5, 2.6	
		0-2	120 ppb	-0.6	-2.7, 1.5	0.621
			70 ppb	0.4	-1.7, 2.5	
		0-11	120 ppb	-0.5	-2.5, 1.5	0.495
			70 ppb	0.7	-1.3, 2.7	
		0-23	120 ppb	-0.5	-2.6, 1.5	0.797

			70 ppb	0.1	-1.9, 2.1	
		0-47	120 ppb	-0.7	-2.8, 1.3	0.700
			70 ppb	0.1	-1.9, 2.1	
		0-71	120 ppb	-0.9	-3.0, 1.1	0.609
			70 ppb	-0.1	-2.0, 1.9	
		0-95	120 ppb	-1.2	-3.3, 0.9	0.487
			70 ppb	-0.3	-2.3, 1.7	
	Ambient CO (ppm)	0	120 ppb	1.1	-1.1, 3.2	0.541
			70 ppb	1.0	-1.1, 3.2	
		0-2	120 ppb	1.2	-0.9, 3.4	0.484
			70 ppb	1.0	-1.1, 3.2	
		0-11	120 ppb	0.9	-1.3, 3.0	0.682
			70 ppb	0.8	-1.3, 2.9	
		0-23	120 ppb	1.0	-1.1, 3.1	0.643
			70 ppb	0.7	-1.5, 2.8	
		0-47	120 ppb	1.0	-1.1, 3.1	0.640
			70 ppb	0.6	-1.5, 2.7	
		0-71	120 ppb	1.0	-1.1, 3.2	0.617
			70 ppb	0.7	-1.4, 2.8	
		0-95	120 ppb	0.9	-1.2, 3.1	0.671
			70 ppb	0.6	-1.4, 2.7	
	Ambient NO_2 (ppb)	0	120 ppb	0.2	-2.0, 2.4	0.686
			70 ppb	0.9	-1.3, 3.1	
		0-2	120 ppb	0.4	-1.8, 2.7	0.672
			70 ppb	1.0	-1.2, 3.3	
		0-11	120 ppb	0.1	-2.1, 2.3	0.806
			70 ppb	0.7	-1.5, 2.8	
		0-23	120 ppb	0.2	-2.0, 2.4	0.971
			70 ppb	0.3	-1.9, 2.4	
		0-47	120 ppb	0.3	-1.9, 2.4	0.969
			70 ppb	0.2	-1.9, 2.4	
		0-71	120 ppb	-0.1	-2.3, 2.1	0.957
			70 ppb	0.2	-1.9, 2.3	
		0-95	120 ppb	-0.2	-2.4, 1.9	0.946
			70 ppb	0.1	-2.0, 2.2	
	Ambient SO_2 (ppb)	0	120 ppb	-0.6	-3.0, 1.8	0.689
			70 ppb	0.5	-2.0, 2.9	
		0-2	120 ppb	-0.6	-3.0, 1.8	0.719
			70 ppb	0.4	-2.1, 2.9	
		0-11	120 ppb	-0.8	-3.2, 1.6	0.815
			70 ppb	-0.3	-2.7, 2.1	
		0-23	120 ppb	-0.5	-2.8, 1.9	0.906
			70 ppb	0.0	-2.4, 2.3	
		0-47	120 ppb	-0.3	-2.7, 2.0	0.966
			70 ppb	-0.1	-2.4, 2.2	
		0-71	120 ppb	-0.2	-2.6, 2.1	0.981
			70 ppb	-0.1	-2.4, 2.3	
		0-95	120 ppb	-0.3	-2.6, 2.1	0.976
			70 ppb	-0.1	-2.4, 2.2	

Ln of ST in V5 (5 min) (μV)	PES O_3 (ppb)	0-71	120 ppb	-0.021	-0.128, 0.086	0.917
			70 ppb	-0.018	-0.125, 0.090	
	PES NO_2 (ppb)	0-71	120 ppb	-0.020	-0.126, 0.086	0.934
			70 ppb	-0.011	-0.119, 0.097	
	Ambient O_3 (ppb)	0	120 ppb	0.007	-0.100, 0.113	0.553
			70 ppb	0.059	-0.055, 0.172	
		0-2	120 ppb	-0.016	-0.130, 0.097	0.453
			70 ppb	0.055	-0.060, 0.170	
		0-11	120 ppb	-0.008	-0.114, 0.098	0.432
			70 ppb	0.059	-0.051, 0.169	
		0-23	120 ppb	-0.002	-0.109, 0.105	0.660
			70 ppb	0.043	-0.067, 0.153	
		0-47	120 ppb	-0.014	-0.124, 0.096	0.900
			70 ppb	0.012	-0.100, 0.123	
		0-71	120 ppb	-0.010	-0.120, 0.099	0.890
			70 ppb	0.017	-0.095, 0.128	
		0-95	120 ppb	-0.009	-0.116, 0.098	0.922
			70 ppb	0.013	-0.095, 0.122	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.077	-0.180, 0.027	0.154
			70 ppb	0.023	-0.088, 0.133	
		0-2	120 ppb	-0.081	-0.190, 0.027	0.144
			70 ppb	0.022	-0.092, 0.136	
		0-11	120 ppb	-0.085	-0.190, 0.019	0.132
			70 ppb	0.013	-0.094, 0.119	
		0-23	120 ppb	-0.092	-0.198, 0.013	0.190
			70 ppb	-0.018	-0.123, 0.087	
		0-47	120 ppb	-0.108	-0.215, -0.001	0.120
			70 ppb	-0.027	-0.133, 0.078	
		0-71	120 ppb	-0.116	-0.222, -0.011	0.078
			70 ppb	-0.030	-0.136, 0.076	
		0-95	120 ppb	-0.112	-0.218, -0.006	0.099
			70 ppb	-0.032	-0.140, 0.075	
	Ambient CO (ppm)	0	120 ppb	0.032	-0.076, 0.140	0.721
			70 ppb	0.044	-0.068, 0.156	
		0-2	120 ppb	0.032	-0.080, 0.144	0.705
			70 ppb	0.048	-0.067, 0.163	
		0-11	120 ppb	0.023	-0.086, 0.133	0.873
			70 ppb	0.028	-0.085, 0.141	
		0-23	120 ppb	0.022	-0.087, 0.132	0.919
			70 ppb	0.016	-0.095, 0.128	
		0-47	120 ppb	0.016	-0.093, 0.126	0.955
			70 ppb	0.012	-0.100, 0.124	
		0-71	120 ppb	0.016	-0.093, 0.126	0.944
			70 ppb	0.017	-0.095, 0.128	
		0-95	120 ppb	0.018	-0.091, 0.126	0.939
			70 ppb	0.016	-0.093, 0.126	
		0	120 ppb	0.035	-0.071, 0.140	0.119
			70 ppb	0.116	0.003, 0.229	

	Ambient NO_2 (ppb)	0-2	120 ppb	0.035	-0.073, 0.144	0.094
			70 ppb	0.123	0.008, 0.238	
		0-11	120 ppb	0.031	-0.073, 0.135	0.254
			70 ppb	0.090	-0.018, 0.199	
		0-23	120 ppb	-0.004	-0.114, 0.105	0.874
			70 ppb	0.023	-0.090, 0.136	
		0-47	120 ppb	-0.018	-0.128, 0.092	0.827
			70 ppb	0.017	-0.096, 0.131	
		0-71	120 ppb	-0.028	-0.138, 0.082	0.745
			70 ppb	0.015	-0.098, 0.128	
		0-95	120 ppb	-0.030	-0.141, 0.080	0.798
			70 ppb	0.004	-0.109, 0.117	
	Ambient SO_2 (ppb)	0	120 ppb	-0.082	-0.184, 0.019	0.274
			70 ppb	-0.029	-0.135, 0.078	
		0-2	120 ppb	-0.093	-0.195, 0.009	0.193
			70 ppb	-0.028	-0.135, 0.079	
		0-11	120 ppb	-0.100	-0.210, 0.009	0.153
			70 ppb	-0.010	-0.123, 0.103	
		0-23	120 ppb	-0.095	-0.206, 0.015	0.194
			70 ppb	-0.012	-0.125, 0.101	
		0-47	120 ppb	-0.093	-0.208, 0.022	0.264
			70 ppb	-0.025	-0.142, 0.092	
		0-71	120 ppb	-0.088	-0.203, 0.027	0.297
			70 ppb	-0.022	-0.139, 0.094	
		0-95	120 ppb	-0.087	-0.201, 0.027	0.309
			70 ppb	-0.025	-0.140, 0.091	
Systolic Blood Pressure (mmHg)	MOSES 1 Main Effect		120 ppb	-1.3	-3.7, 1.2	0.950
			70 ppb	-0.6	-3.1, 1.8	
	PES O_3 (ppb)	0-71	120 ppb	0.5	-1.1, 2.0	0.791
			70 ppb	0.5	-1.0, 2.0	
	PES NO_2 (ppb)	0-71	120 ppb	0.2	-1.3, 1.7	0.959
			70 ppb	0.1	-1.4, 1.7	
	Ambient O_3 (ppb)	0	120 ppb	0.7	-0.9, 2.2	0.692
			70 ppb	0.2	-1.4, 1.8	
		0-2	120 ppb	1.0	-0.6, 2.6	0.441
			70 ppb	0.6	-0.9, 2.2	
		0-11	120 ppb	0.9	-0.7, 2.5	0.541
			70 ppb	0.7	-0.9, 2.3	
		0-23	120 ppb	1.0	-0.6, 2.6	0.472
			70 ppb	0.7	-0.9, 2.3	
		0-47	120 ppb	0.9	-0.6, 2.5	0.499
			70 ppb	0.6	-1.0, 2.2	
		0-71	120 ppb	0.9	-0.7, 2.5	0.519
			70 ppb	0.6	-1.0, 2.2	
		0-95	120 ppb	0.6	-1.0, 2.2	0.695
			70 ppb	0.6	-1.0, 2.1	
		0	120 ppb	0.5	-1.1, 2.1	0.833
			70 ppb	0.1	-1.5, 1.8	

Ambient $PM_{2.5}$ ($\mu g/m^3$)	0-2	120 ppb	0.6	-1.0, 2.3	0.743
		70 ppb	0.3	-1.4, 2.0	
	0-11	120 ppb	0.8	-0.8, 2.5	0.603
		70 ppb	0.5	-1.1, 2.2	
	0-23	120 ppb	0.8	-0.8, 2.4	0.622
		70 ppb	0.6	-1.1, 2.2	
	0-47	120 ppb	0.7	-1.0, 2.3	0.709
		70 ppb	0.6	-1.1, 2.2	
	0-71	120 ppb	0.5	-1.2, 2.1	0.799
		70 ppb	0.5	-1.1, 2.2	
	0-95	120 ppb	0.5	-1.2, 2.2	0.764
		70 ppb	0.6	-1.1, 2.2	
Ambient CO (ppm)	0	120 ppb	0.6	-1.0, 2.2	0.731
		70 ppb	0.5	-1.1, 2.2	
	0-2	120 ppb	0.5	-1.1, 2.1	0.779
		70 ppb	0.5	-1.1, 2.2	
	0-11	120 ppb	0.7	-0.9, 2.3	0.621
		70 ppb	0.7	-1.0, 2.3	
	0-23	120 ppb	0.7	-0.9, 2.3	0.635
		70 ppb	0.7	-0.9, 2.3	
	0-47	120 ppb	0.6	-1.0, 2.2	0.661
		70 ppb	0.6	-1.0, 2.2	
	0-71	120 ppb	0.6	-1.0, 2.2	0.666
		70 ppb	0.7	-0.9, 2.3	
	0-95	120 ppb	0.5	-1.1, 2.1	0.694
		70 ppb	0.7	-0.9, 2.3	
Ambient NO_2 (ppb)	0	120 ppb	0.3	-1.4, 2.0	0.890
		70 ppb	0.4	-1.3, 2.1	
	0-2	120 ppb	0.2	-1.5, 2.0	0.882
		70 ppb	0.4	-1.3, 2.2	
	0-11	120 ppb	0.3	-1.3, 2.0	0.807
		70 ppb	0.6	-1.1, 2.2	
	0-23	120 ppb	0.4	-1.2, 2.1	0.733
		70 ppb	0.7	-1.0, 2.3	
	0-47	120 ppb	0.4	-1.3, 2.0	0.752
		70 ppb	0.6	-1.0, 2.3	
	0-71	120 ppb	0.3	-1.4, 2.0	0.713
		70 ppb	0.7	-1.0, 2.3	
	0-95	120 ppb	0.3	-1.4, 2.0	0.655
		70 ppb	0.8	-0.9, 2.4	
Ambient SO_2 (ppb)	0	120 ppb	1.0	-0.9, 2.9	0.501
		70 ppb	1.0	-1.0, 2.9	
	0-2	120 ppb	0.6	-1.2, 2.5	0.721
		70 ppb	0.7	-1.2, 2.7	
	0-11	120 ppb	1.4	-0.5, 3.3	0.245
		70 ppb	1.5	-0.5, 3.4	
	0-23	120 ppb	1.2	-0.7, 3.1	0.385
		70 ppb	1.1	-0.8, 3.0	
	0-47	120 ppb	1.2	-0.7, 3.0	0.407

			70 ppb	1.1	-0.8, 3.0	
		0-71	120 ppb	1.1	-0.8, 3.0	0.429
			70 ppb	1.1	-0.8, 3.0	
		0-95	120 ppb	1.1	-0.8, 3.0	0.422
			70 ppb	1.1	-0.8, 3.0	
Ln of Systolic Blood Pressure (mmHg)	PES O_3 (ppb)	0-71	120 ppb	0.004	-0.009, 0.018	0.730
			70 ppb	0.005	-0.008, 0.019	
	PES NO_2 (ppb)	0-71	120 ppb	0.002	-0.011, 0.016	0.944
			70 ppb	0.002	-0.012, 0.015	
	Ambient O_3 (ppb)	0	120 ppb	0.007	-0.007, 0.021	0.633
			70 ppb	0.004	-0.011, 0.018	
		0-2	120 ppb	0.010	-0.004, 0.024	0.372
			70 ppb	0.007	-0.007, 0.021	
		0-11	120 ppb	0.008	-0.006, 0.022	0.479
			70 ppb	0.007	-0.007, 0.021	
		0-23	120 ppb	0.009	-0.005, 0.023	0.422
			70 ppb	0.007	-0.007, 0.021	
		0-47	120 ppb	0.009	-0.005, 0.023	0.455
			70 ppb	0.006	-0.008, 0.020	
		0-71	120 ppb	0.008	-0.006, 0.022	0.471
			70 ppb	0.007	-0.007, 0.021	
		0-95	120 ppb	0.006	-0.008, 0.020	0.613
			70 ppb	0.006	-0.008, 0.020	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.005	-0.010, 0.019	0.808
			70 ppb	0.003	-0.012, 0.017	
		0-2	120 ppb	0.006	-0.009, 0.021	0.716
			70 ppb	0.004	-0.011, 0.019	
		0-11	120 ppb	0.008	-0.007, 0.022	0.546
			70 ppb	0.006	-0.008, 0.020	
		0-23	120 ppb	0.007	-0.007, 0.022	0.565
			70 ppb	0.006	-0.008, 0.021	
		0-47	120 ppb	0.006	-0.009, 0.021	0.633
			70 ppb	0.006	-0.008, 0.021	
		0-71	120 ppb	0.004	-0.010, 0.019	0.714
			70 ppb	0.006	-0.009, 0.020	
		0-95	120 ppb	0.005	-0.010, 0.020	0.675
			70 ppb	0.006	-0.008, 0.021	
	Ambient CO (ppm)	0	120 ppb	0.006	-0.008, 0.020	0.644
			70 ppb	0.006	-0.008, 0.020	
		0-2	120 ppb	0.005	-0.009, 0.019	0.705
			70 ppb	0.006	-0.009, 0.020	
		0-11	120 ppb	0.007	-0.007, 0.021	0.524
			70 ppb	0.007	-0.007, 0.021	
		0-23	120 ppb	0.007	-0.007, 0.021	0.537
			70 ppb	0.007	-0.007, 0.021	
		0-47	120 ppb	0.007	-0.008, 0.021	0.559
			70 ppb	0.007	-0.007, 0.021	
		0-71	120 ppb	0.006	-0.008, 0.020	0.560

			70 ppb	0.007	-0.007, 0.021	
		0-95	120 ppb	0.005	-0.009, 0.019	0.586
			70 ppb	0.007	-0.007, 0.021	
	Ambient NO_2 (ppb)	0	120 ppb	0.003	-0.012, 0.018	0.807
			70 ppb	0.005	-0.010, 0.020	
		0-2	120 ppb	0.003	-0.012, 0.018	0.803
			70 ppb	0.005	-0.010, 0.020	
		0-11	120 ppb	0.004	-0.011, 0.019	0.715
			70 ppb	0.006	-0.009, 0.021	
		0-23	120 ppb	0.005	-0.010, 0.019	0.643
			70 ppb	0.007	-0.008, 0.021	
		0-47	120 ppb	0.004	-0.011, 0.019	0.663
			70 ppb	0.007	-0.008, 0.021	
		0-71	120 ppb	0.004	-0.011, 0.018	0.628
			70 ppb	0.007	-0.007, 0.022	
		0-95	120 ppb	0.004	-0.011, 0.018	0.570
			70 ppb	0.008	-0.007, 0.023	
	Ambient SO_2 (ppb)	0	120 ppb	0.009	-0.007, 0.026	0.406
			70 ppb	0.011	-0.007, 0.028	
		0-2	120 ppb	0.006	-0.011, 0.022	0.610
			70 ppb	0.009	-0.009, 0.026	
		0-11	120 ppb	0.012	-0.005, 0.029	0.197
			70 ppb	0.015	-0.002, 0.032	
		0-23	120 ppb	0.010	-0.006, 0.027	0.335
			70 ppb	0.011	-0.005, 0.028	
		0-47	120 ppb	0.010	-0.007, 0.027	0.355
			70 ppb	0.011	-0.006, 0.028	
		0-71	120 ppb	0.009	-0.007, 0.026	0.367
			70 ppb	0.011	-0.006, 0.028	
		0-95	120 ppb	0.009	-0.008, 0.026	0.354
			70 ppb	0.012	-0.005, 0.029	
Flow mediated dilation (%)	MOSES 1 Main Effect		120 ppb	-0.1	-1.1, 0.9	0.637
			70 ppb	-0.6	-1.6, 0.4	
	PES O_3 (ppb)	0-71	120 ppb	-0.4	-1.3, 0.5	0.637
			70 ppb	-0.3	-1.2, 0.6	
	PES NO_2 (ppb)	0-71	120 ppb	-0.5	-1.3, 0.4	0.554
			70 ppb	-0.4	-1.3, 0.5	
	Ambient O_3 (ppb)	0	120 ppb	-0.5	-1.4, 0.5	0.612
			70 ppb	-0.2	-1.2, 0.7	
		0-2	120 ppb	-0.4	-1.3, 0.6	0.733
			70 ppb	-0.2	-1.2, 0.7	
		0-11	120 ppb	-0.4	-1.3, 0.5	0.664
			70 ppb	-0.2	-1.1, 0.7	
		0-23	120 ppb	-0.4	-1.3, 0.5	0.652
			70 ppb	-0.2	-1.1, 0.7	
		0-47	120 ppb	-0.4	-1.3, 0.5	0.633
			70 ppb	-0.2	-1.1, 0.7	
		0-71	120 ppb	-0.4	-1.3, 0.5	0.632

		70 ppb	-0.2	-1.1, 0.7	
	0-95	120 ppb	-0.4	-1.3, 0.5	0.639
		70 ppb	-0.2	-1.1, 0.7	
Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.3	-1.2, 0.7	0.776
		70 ppb	-0.3	-1.3, 0.7	
	0-2	120 ppb	-0.3	-1.2, 0.7	0.819
		70 ppb	-0.3	-1.3, 0.7	
	0-11	120 ppb	-0.3	-1.2, 0.6	0.742
		70 ppb	-0.3	-1.2, 0.6	
	0-23	120 ppb	-0.3	-1.3, 0.6	0.752
		70 ppb	-0.1	-1.0, 0.8	
	0-47	120 ppb	-0.3	-1.3, 0.6	0.763
		70 ppb	-0.1	-1.0, 0.9	
	0-71	120 ppb	-0.3	-1.2, 0.6	0.787
		70 ppb	0.0	-1.0, 0.9	
	0-95	120 ppb	-0.3	-1.2, 0.7	0.815
		70 ppb	0.0	-0.9, 0.9	
Ambient CO (ppm)	0	120 ppb	-0.4	-1.4, 0.5	0.663
		70 ppb	-0.2	-1.2, 0.8	
	0-2	120 ppb	-0.4	-1.4, 0.5	0.631
		70 ppb	-0.3	-1.3, 0.6	
	0-11	120 ppb	-0.4	-1.3, 0.6	0.723
		70 ppb	-0.2	-1.1, 0.8	
	0-23	120 ppb	-0.4	-1.3, 0.6	0.714
		70 ppb	-0.2	-1.1, 0.8	
	0-47	120 ppb	-0.4	-1.3, 0.5	0.697
		70 ppb	-0.2	-1.1, 0.8	
	0-71	120 ppb	-0.4	-1.3, 0.5	0.705
		70 ppb	-0.2	-1.1, 0.8	
	0-95	120 ppb	-0.4	-1.4, 0.5	0.675
		70 ppb	-0.1	-1.1, 0.8	
Ambient NO_2 (ppb)	0	120 ppb	-0.3	-1.3, 0.8	0.866
		70 ppb	-0.2	-1.2, 0.9	
	0-2	120 ppb	-0.3	-1.3, 0.7	0.818
		70 ppb	-0.3	-1.3, 0.7	
	0-11	120 ppb	-0.1	-1.1, 0.9	0.961
		70 ppb	-0.1	-1.1, 0.9	
	0-23	120 ppb	-0.1	-1.1, 0.9	0.959
		70 ppb	-0.1	-1.0, 0.9	
	0-47	120 ppb	-0.2	-1.2, 0.8	0.943
		70 ppb	0.0	-1.0, 1.0	
	0-71	120 ppb	-0.1	-1.1, 0.9	0.973
		70 ppb	0.0	-1.0, 0.9	
	0-95	120 ppb	-0.1	-1.1, 0.9	0.965
		70 ppb	0.0	-1.0, 1.0	
Ambient SO_2 (ppb)	0	120 ppb	-0.9	-2.0, 0.1	0.205
		70 ppb	-0.5	-1.6, 0.6	
	0-2	120 ppb	-1.1	-2.1, 0.0	0.136
		70 ppb	-0.5	-1.6, 0.6	

		0-11	120 ppb	-1.0	-2.0, 0.0	0.131
			70 ppb	-0.5	-1.5, 0.5	
		0-23	120 ppb	-1.1	-2.0, -0.1	0.093
			70 ppb	-0.5	-1.5, 0.4	
		0-47	120 ppb	-1.1	-2.0, -0.1	0.094
			70 ppb	-0.5	-1.4, 0.5	
		0-71	120 ppb	-1.1	-2.0, -0.1	0.100
			70 ppb	-0.5	-1.4, 0.5	
		0-95	120 ppb	-1.1	-2.0, -0.1	0.101
			70 ppb	-0.4	-1.4, 0.6	
Ln of Flow mediated dilation (%)	PES O_3 (ppb)	0-71	120 ppb	-0.225	-0.455, 0.005	0.036
			70 ppb	-0.290	-0.520, -0.060	
	PES NO_2 (ppb)	0-71	120 ppb	-0.239	-0.468, -0.011	0.021
			70 ppb	-0.314	-0.544, -0.084	
	Ambient O_3 (ppb)	0	120 ppb	-0.263	-0.493, -0.034	0.034
			70 ppb	-0.267	-0.499, -0.034	
		0-2	120 ppb	-0.259	-0.506, -0.013	0.057
			70 ppb	-0.260	-0.504, -0.016	
		0-11	120 ppb	-0.253	-0.478, -0.028	0.032
			70 ppb	-0.272	-0.498, -0.045	
		0-23	120 ppb	-0.249	-0.471, -0.027	0.037
			70 ppb	-0.258	-0.481, -0.035	
		0-47	120 ppb	-0.247	-0.472, -0.023	0.043
			70 ppb	-0.251	-0.476, -0.027	
		0-71	120 ppb	-0.241	-0.466, -0.015	0.054
			70 ppb	-0.242	-0.468, -0.016	
		0-95	120 ppb	-0.243	-0.468, -0.018	0.053
			70 ppb	-0.239	-0.463, -0.014	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.231	-0.467, 0.006	0.049
			70 ppb	-0.278	-0.515, -0.040	
		0-2	120 ppb	-0.211	-0.447, 0.026	0.115
			70 ppb	-0.225	-0.465, 0.014	
		0-11	120 ppb	-0.194	-0.414, 0.025	0.075
			70 ppb	-0.241	-0.459, -0.022	
		0-23	120 ppb	-0.192	-0.413, 0.030	0.144
			70 ppb	-0.191	-0.410, 0.028	
		0-47	120 ppb	-0.185	-0.412, 0.042	0.177
			70 ppb	-0.184	-0.406, 0.039	
		0-71	120 ppb	-0.168	-0.394, 0.058	0.230
			70 ppb	-0.171	-0.394, 0.051	
		0-95	120 ppb	-0.167	-0.394, 0.059	0.244
			70 ppb	-0.166	-0.389, 0.056	
	Ambient CO (ppm)	0	120 ppb	-0.253	-0.487, -0.018	0.042
			70 ppb	-0.273	-0.510, -0.036	
		0-2	120 ppb	-0.254	-0.490, -0.018	0.031
			70 ppb	-0.298	-0.537, -0.058	
		0-11	120 ppb	-0.212	-0.433, 0.009	0.073
			70 ppb	-0.238	-0.463, -0.014	

		0-23	120 ppb	-0.211	-0.432, 0.009	0.081
			70 ppb	-0.229	-0.452, -0.006	
		0-47	120 ppb	-0.205	-0.428, 0.018	0.099
			70 ppb	-0.220	-0.445, 0.004	
		0-71	120 ppb	-0.194	-0.418, 0.029	0.122
			70 ppb	-0.211	-0.436, 0.013	
		0-95	120 ppb	-0.204	-0.429, 0.021	0.119
			70 ppb	-0.204	-0.427, 0.020	
	Ambient NO_2 (ppb)	0	120 ppb	-0.208	-0.451, 0.036	0.073
			70 ppb	-0.267	-0.509, -0.026	
		0-2	120 ppb	-0.206	-0.452, 0.039	0.056
			70 ppb	-0.290	-0.534, -0.046	
		0-11	120 ppb	-0.154	-0.383, 0.074	0.127
			70 ppb	-0.229	-0.455, -0.003	
		0-23	120 ppb	-0.155	-0.381, 0.071	0.151
			70 ppb	-0.213	-0.435, 0.009	
		0-47	120 ppb	-0.149	-0.377, 0.079	0.184
			70 ppb	-0.203	-0.426, 0.021	
		0-71	120 ppb	-0.124	-0.354, 0.106	0.222
			70 ppb	-0.195	-0.420, 0.029	
		0-95	120 ppb	-0.130	-0.361, 0.102	0.247
			70 ppb	-0.187	-0.413, 0.038	
	Ambient SO_2 (ppb)	0	120 ppb	-0.310	-0.608, -0.013	0.065
			70 ppb	-0.311	-0.620, -0.002	
		0-2	120 ppb	-0.324	-0.626, -0.022	0.059
			70 ppb	-0.317	-0.629, -0.004	
		0-11	120 ppb	-0.287	-0.568, -0.006	0.082
			70 ppb	-0.272	-0.559, 0.015	
		0-23	120 ppb	-0.297	-0.580, -0.014	0.045
			70 ppb	-0.328	-0.616, -0.041	
		0-47	120 ppb	-0.292	-0.580, -0.004	0.065
			70 ppb	-0.304	-0.593, -0.015	
		0-71	120 ppb	-0.276	-0.568, 0.015	0.091
			70 ppb	-0.285	-0.576, 0.007	
		0-95	120 ppb	-0.278	-0.573, 0.017	0.107
			70 ppb	-0.265	-0.556, 0.026	
C-reactive protein (mg/L)	MOSES 1 Main Effect		120 ppb	-0.15	-0.54, 0.23	0.655
			70 ppb	-0.16	-0.54, 0.23	
	PES O_3 (ppb)	0-71	120 ppb	0.06	-0.35, 0.47	0.920
			70 ppb	-0.02	-0.43, 0.39	
	PES NO_2 (ppb)	0-71	120 ppb	0.03	-0.38, 0.45	0.960
			70 ppb	-0.03	-0.44, 0.39	
	Ambient O_3 (ppb)	0	120 ppb	0.01	-0.43, 0.44	0.995
			70 ppb	0.02	-0.41, 0.46	
		0-2	120 ppb	-0.01	-0.48, 0.45	0.977
			70 ppb	-0.05	-0.50, 0.41	
		0-11	120 ppb	0.02	-0.41, 0.45	0.993
			70 ppb	-0.01	-0.43, 0.42	

	0-23	120 ppb	0.02	-0.41, 0.44	0.997
		70 ppb	0.01	-0.41, 0.43	
	0-47	120 ppb	0.06	-0.37, 0.49	0.957
		70 ppb	0.01	-0.41, 0.43	
	0-71	120 ppb	0.05	-0.38, 0.48	0.954
		70 ppb	-0.01	-0.43, 0.41	
	0-95	120 ppb	0.00	-0.42, 0.43	0.998
		70 ppb	-0.01	-0.43, 0.41	
Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.09	-0.35, 0.52	0.876
		70 ppb	-0.02	-0.46, 0.42	
	0-2	120 ppb	0.11	-0.33, 0.55	0.629
		70 ppb	-0.10	-0.55, 0.34	
	0-11	120 ppb	0.20	-0.24, 0.64	0.676
		70 ppb	0.12	-0.31, 0.56	
	0-23	120 ppb	0.18	-0.25, 0.61	0.718
		70 ppb	0.09	-0.33, 0.52	
	0-47	120 ppb	0.17	-0.27, 0.61	0.736
		70 ppb	0.10	-0.33, 0.52	
	0-71	120 ppb	0.12	-0.32, 0.55	0.871
		70 ppb	0.05	-0.37, 0.48	
	0-95	120 ppb	0.04	-0.40, 0.48	0.976
		70 ppb	0.00	-0.43, 0.43	
Ambient CO (ppm)	0	120 ppb	0.10	-0.34, 0.53	0.819
		70 ppb	-0.04	-0.47, 0.39	
	0-2	120 ppb	0.07	-0.37, 0.51	0.780
		70 ppb	-0.09	-0.54, 0.36	
	0-11	120 ppb	0.11	-0.33, 0.54	0.881
		70 ppb	0.03	-0.40, 0.47	
	0-23	120 ppb	0.12	-0.31, 0.55	0.861
		70 ppb	0.05	-0.38, 0.48	
	0-47	120 ppb	0.15	-0.28, 0.59	0.787
		70 ppb	0.07	-0.37, 0.50	
	0-71	120 ppb	0.15	-0.29, 0.58	0.801
		70 ppb	0.05	-0.38, 0.48	
	0-95	120 ppb	0.11	-0.33, 0.55	0.884
		70 ppb	0.05	-0.38, 0.48	
Ambient NO_2 (ppb)	0	120 ppb	-0.20	-0.59, 0.19	0.394
		70 ppb	0.06	-0.33, 0.45	
	0-2	120 ppb	-0.17	-0.56, 0.22	0.527
		70 ppb	0.04	-0.35, 0.43	
	0-11	120 ppb	-0.21	-0.60, 0.18	0.340
		70 ppb	0.06	-0.33, 0.45	
	0-23	120 ppb	-0.21	-0.59, 0.18	0.369
		70 ppb	0.05	-0.33, 0.43	
	0-47	120 ppb	-0.20	-0.58, 0.19	0.411
		70 ppb	0.05	-0.33, 0.43	
	0-71	120 ppb	-0.21	-0.60, 0.18	0.367
		70 ppb	0.05	-0.33, 0.43	
	0-95	120 ppb	-0.19	-0.58, 0.20	0.385

			70 ppb	0.07	-0.31, 0.45	
	Ambient SO_2 (ppb)	0	120 ppb	0.26	-0.25, 0.77	0.296
			70 ppb	-0.15	-0.68, 0.37	
		0-2	120 ppb	0.24	-0.28, 0.75	0.311
			70 ppb	-0.18	-0.71, 0.35	
		0-11	120 ppb	0.26	-0.25, 0.76	0.242
			70 ppb	-0.17	-0.68, 0.33	
		0-23	120 ppb	0.31	-0.19, 0.81	0.288
			70 ppb	-0.07	-0.57, 0.43	
		0-47	120 ppb	0.33	-0.17, 0.84	0.256
			70 ppb	-0.06	-0.56, 0.45	
		0-71	120 ppb	0.32	-0.18, 0.83	0.253
			70 ppb	-0.08	-0.58, 0.43	
		0-95	120 ppb	0.32	-0.18, 0.83	0.249
			70 ppb	-0.09	-0.59, 0.42	
Ln of C-reactive protein (mg/L)	PES O_3 (ppb)	0-71	120 ppb	-0.008	-0.108, 0.093	0.113
			70 ppb	-0.094	-0.193, 0.005	
	PES NO_2 (ppb)	0-71	120 ppb	-0.003	-0.101, 0.096	0.234
			70 ppb	-0.074	-0.172, 0.024	
	Ambient O_3 (ppb)	0	120 ppb	0.007	-0.093, 0.107	0.133
			70 ppb	-0.086	-0.186, 0.013	
		0-2	120 ppb	-0.001	-0.105, 0.104	0.111
			70 ppb	-0.096	-0.198, 0.007	
		0-11	120 ppb	0.004	-0.094, 0.102	0.368
			70 ppb	-0.059	-0.156, 0.039	
		0-23	120 ppb	0.003	-0.094, 0.101	0.366
			70 ppb	-0.058	-0.155, 0.038	
		0-47	120 ppb	0.018	-0.086, 0.121	0.158
			70 ppb	-0.075	-0.177, 0.027	
		0-71	120 ppb	0.013	-0.090, 0.117	0.175
			70 ppb	-0.076	-0.178, 0.026	
		0-95	120 ppb	0.001	-0.102, 0.105	0.155
			70 ppb	-0.086	-0.188, 0.016	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.021	-0.120, 0.079	0.174
			70 ppb	-0.091	-0.190, 0.009	
		0-2	120 ppb	0.007	-0.090, 0.103	0.067
			70 ppb	-0.096	-0.194, 0.001	
		0-11	120 ppb	0.010	-0.090, 0.109	0.461
			70 ppb	-0.048	-0.146, 0.050	
		0-23	120 ppb	0.010	-0.087, 0.107	0.401
			70 ppb	-0.051	-0.146, 0.044	
		0-47	120 ppb	-0.003	-0.100, 0.095	0.401
			70 ppb	-0.057	-0.152, 0.038	
		0-71	120 ppb	-0.007	-0.104, 0.089	0.370
			70 ppb	-0.061	-0.156, 0.033	
		0-95	120 ppb	-0.023	-0.122, 0.077	0.290
			70 ppb	-0.076	-0.174, 0.022	
		0	120 ppb	0.025	-0.081, 0.132	0.045

	Ambient CO (ppm)		70 ppb	-0.103	-0.210, 0.003	
		0-2	120 ppb	0.028	-0.080, 0.135	0.041
			70 ppb	-0.104	-0.213, 0.004	
		0-11	120 ppb	0.028	-0.077, 0.134	0.145
			70 ppb	-0.073	-0.178, 0.033	
		0-23	120 ppb	0.030	-0.075, 0.136	0.154
			70 ppb	-0.069	-0.174, 0.036	
		0-47	120 ppb	0.028	-0.078, 0.134	0.172
			70 ppb	-0.068	-0.173, 0.037	
		0-71	120 ppb	0.021	-0.085, 0.127	0.204
			70 ppb	-0.068	-0.173, 0.036	
		0-95	120 ppb	0.009	-0.098, 0.116	0.165
			70 ppb	-0.082	-0.187, 0.022	
	Ambient NO_2 (ppb)	0	120 ppb	-0.005	-0.104, 0.094	0.481
			70 ppb	-0.055	-0.153, 0.044	
		0-2	120 ppb	0.004	-0.096, 0.104	0.461
			70 ppb	-0.052	-0.152, 0.047	
		0-11	120 ppb	-0.018	-0.117, 0.081	0.743
			70 ppb	-0.038	-0.137, 0.060	
		0-23	120 ppb	-0.023	-0.122, 0.076	0.620
			70 ppb	-0.048	-0.145, 0.049	
		0-47	120 ppb	-0.030	-0.128, 0.069	0.599
			70 ppb	-0.050	-0.147, 0.047	
		0-71	120 ppb	-0.039	-0.137, 0.059	0.580
			70 ppb	-0.049	-0.145, 0.048	
		0-95	120 ppb	-0.029	-0.127, 0.070	0.622
			70 ppb	-0.048	-0.144, 0.049	
	Ambient SO_2 (ppb)	0	120 ppb	0.054	-0.055, 0.163	0.081
			70 ppb	-0.075	-0.188, 0.037	
		0-2	120 ppb	0.058	-0.051, 0.168	0.059
			70 ppb	-0.079	-0.192, 0.033	
		0-11	120 ppb	0.059	-0.049, 0.167	0.082
			70 ppb	-0.064	-0.173, 0.045	
		0-23	120 ppb	0.069	-0.037, 0.176	0.090
			70 ppb	-0.050	-0.157, 0.056	
		0-47	120 ppb	0.053	-0.062, 0.167	0.362
			70 ppb	-0.029	-0.143, 0.086	
		0-71	120 ppb	0.047	-0.067, 0.162	0.368
			70 ppb	-0.034	-0.149, 0.080	
		0-95	120 ppb	0.052	-0.063, 0.168	0.312
			70 ppb	-0.037	-0.151, 0.078	
Microparticle tissue factor activity (pg/mL)	MOSES 1 Main Effect		120 ppb	0.009	-0.030, 0.048	0.772
			70 ppb	-0.005	-0.044, 0.034	
	PES O_3 (ppb)	0-71	120 ppb	0.032	-0.007, 0.072	0.086
			70 ppb	-0.009	-0.048, 0.030	
	PES NO_2 (ppb)	0-71	120 ppb	0.030	-0.010, 0.069	0.100
			70 ppb	-0.012	-0.051, 0.028	
		0	120 ppb	0.028	-0.011, 0.067	0.079

Ambient O_3 (ppb)		70 ppb	-0.018	-0.057, 0.021	
	0-2	120 ppb	0.037	-0.003, 0.077	0.025
		70 ppb	-0.017	-0.057, 0.022	
	0-11	120 ppb	0.033	-0.008, 0.073	0.111
		70 ppb	-0.008	-0.049, 0.032	
	0-23	120 ppb	0.034	-0.006, 0.075	0.067
		70 ppb	-0.011	-0.051, 0.029	
	0-47	120 ppb	0.033	-0.008, 0.074	0.061
		70 ppb	-0.014	-0.054, 0.027	
	0-71	120 ppb	0.033	-0.008, 0.074	0.070
		70 ppb	-0.013	-0.053, 0.028	
	0-95	120 ppb	0.035	-0.006, 0.075	0.057
		70 ppb	-0.013	-0.053, 0.027	
Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.041	0.004, 0.077	0.007
		70 ppb	-0.016	-0.053, 0.021	
	0-2	120 ppb	0.034	-0.003, 0.071	0.014
		70 ppb	-0.021	-0.058, 0.017	
	0-11	120 ppb	0.041	0.003, 0.078	0.005
		70 ppb	-0.019	-0.056, 0.018	
	0-23	120 ppb	0.034	-0.005, 0.073	0.017
		70 ppb	-0.022	-0.061, 0.017	
	0-47	120 ppb	0.031	-0.009, 0.070	0.018
		70 ppb	-0.025	-0.064, 0.013	
	0-71	120 ppb	0.019	-0.022, 0.060	0.072
		70 ppb	-0.027	-0.068, 0.013	
	0-95	120 ppb	0.013	-0.028, 0.053	0.049
		70 ppb	-0.035	-0.075, 0.005	
Ambient CO (ppm)	0	120 ppb	0.029	-0.009, 0.067	0.050
		70 ppb	-0.018	-0.056, 0.020	
	0-2	120 ppb	0.023	-0.015, 0.062	0.076
		70 ppb	-0.021	-0.059, 0.018	
	0-11	120 ppb	0.038	-0.001, 0.076	0.020
		70 ppb	-0.014	-0.053, 0.025	
	0-23	120 ppb	0.038	0.000, 0.076	0.016
		70 ppb	-0.015	-0.054, 0.023	
	0-47	120 ppb	0.038	-0.001, 0.076	0.014
		70 ppb	-0.018	-0.056, 0.021	
	0-71	120 ppb	0.038	-0.001, 0.077	0.011
		70 ppb	-0.020	-0.059, 0.019	
	0-95	120 ppb	0.038	-0.001, 0.077	0.009
		70 ppb	-0.021	-0.059, 0.018	
Ambient NO_2 (ppb)	0	120 ppb	0.034	-0.009, 0.076	0.164
		70 ppb	-0.004	-0.046, 0.039	
	0-2	120 ppb	0.027	-0.016, 0.070	0.237
		70 ppb	-0.008	-0.051, 0.035	
	0-11	120 ppb	0.031	-0.010, 0.073	0.077
		70 ppb	-0.015	-0.057, 0.026	
	0-23	120 ppb	0.027	-0.014, 0.069	0.067
		70 ppb	-0.020	-0.061, 0.021	

		0-47	120 ppb	0.028	-0.014, 0.069	0.058
			70 ppb	-0.021	-0.062, 0.020	
		0-71	120 ppb	0.029	-0.013, 0.071	0.053
			70 ppb	-0.022	-0.063, 0.020	
		0-95	120 ppb	0.032	-0.010, 0.074	0.040
			70 ppb	-0.021	-0.063, 0.020	
	Ambient SO_2 (ppb)	0	120 ppb	0.012	-0.037, 0.060	0.010
			70 ppb	-0.061	-0.111, -0.011	
		0-2	120 ppb	0.009	-0.039, 0.057	0.012
			70 ppb	-0.061	-0.110, -0.011	
		0-11	120 ppb	0.012	-0.038, 0.062	0.022
			70 ppb	-0.055	-0.106, -0.004	
		0-23	120 ppb	0.023	-0.027, 0.074	0.035
			70 ppb	-0.043	-0.094, 0.008	
		0-47	120 ppb	0.022	-0.028, 0.073	0.038
			70 ppb	-0.043	-0.094, 0.008	
		0-71	120 ppb	0.022	-0.029, 0.073	0.038
			70 ppb	-0.043	-0.094, 0.008	
		0-95	120 ppb	0.024	-0.028, 0.075	0.036
			70 ppb	-0.043	-0.094, 0.008	
Ln of Microparticle tissue factor activity (pg/mL)	PES O_3 (ppb)	0-71	120 ppb	0.147	-0.209, 0.504	0.575
			70 ppb	0.178	-0.172, 0.528	
	PES NO_2 (ppb)	0-71	120 ppb	0.141	-0.216, 0.497	0.630
			70 ppb	0.161	-0.193, 0.514	
	Ambient O_3 (ppb)	0	120 ppb	0.144	-0.222, 0.510	0.677
			70 ppb	0.144	-0.232, 0.521	
		0-2	120 ppb	0.127	-0.263, 0.517	0.810
			70 ppb	0.083	-0.311, 0.477	
		0-11	120 ppb	0.118	-0.258, 0.495	0.503
			70 ppb	0.225	-0.153, 0.603	
		0-23	120 ppb	0.132	-0.244, 0.507	0.629
			70 ppb	0.177	-0.195, 0.550	
		0-47	120 ppb	0.150	-0.228, 0.528	0.632
			70 ppb	0.168	-0.203, 0.538	
		0-71	120 ppb	0.138	-0.240, 0.516	0.678
			70 ppb	0.154	-0.217, 0.526	
		0-95	120 ppb	0.111	-0.264, 0.486	0.735
			70 ppb	0.142	-0.227, 0.510	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.122	-0.253, 0.496	0.636
			70 ppb	0.180	-0.199, 0.560	
		0-2	120 ppb	0.122	-0.259, 0.503	0.531
			70 ppb	0.222	-0.167, 0.612	
		0-11	120 ppb	0.165	-0.214, 0.544	0.623
			70 ppb	0.161	-0.214, 0.536	
		0-23	120 ppb	0.135	-0.244, 0.514	0.640
			70 ppb	0.171	-0.200, 0.542	
		0-47	120 ppb	0.135	-0.248, 0.518	0.662
			70 ppb	0.165	-0.209, 0.538	

		0-71	120 ppb	0.113	-0.269, 0.496	0.670
			70 ppb	0.170	-0.207, 0.547	
		0-95	120 ppb	0.070	-0.312, 0.451	0.764
			70 ppb	0.140	-0.237, 0.518	
	Ambient CO (ppm)	0	120 ppb	0.246	-0.114, 0.606	0.211
			70 ppb	0.318	-0.054, 0.689	
		0-2	120 ppb	0.221	-0.146, 0.589	0.356
			70 ppb	0.258	-0.125, 0.641	
		0-11	120 ppb	0.278	-0.084, 0.640	0.237
			70 ppb	0.275	-0.091, 0.641	
		0-23	120 ppb	0.275	-0.087, 0.638	0.289
			70 ppb	0.229	-0.133, 0.591	
		0-47	120 ppb	0.292	-0.073, 0.657	0.265
			70 ppb	0.225	-0.135, 0.586	
		0-71	120 ppb	0.289	-0.076, 0.654	0.286
			70 ppb	0.199	-0.159, 0.557	
		0-95	120 ppb	0.265	-0.100, 0.629	0.339
			70 ppb	0.194	-0.163, 0.550	
	Ambient NO_2 (ppb)	0	120 ppb	0.141	-0.237, 0.519	0.494
			70 ppb	0.232	-0.156, 0.620	
		0-2	120 ppb	0.117	-0.266, 0.500	0.681
			70 ppb	0.173	-0.224, 0.570	
		0-11	120 ppb	0.139	-0.233, 0.511	0.639
			70 ppb	0.171	-0.205, 0.547	
		0-23	120 ppb	0.128	-0.242, 0.499	0.742
			70 ppb	0.126	-0.243, 0.495	
		0-47	120 ppb	0.149	-0.224, 0.523	0.694
			70 ppb	0.132	-0.237, 0.502	
		0-71	120 ppb	0.135	-0.242, 0.511	0.747
			70 ppb	0.117	-0.251, 0.486	
		0-95	120 ppb	0.118	-0.260, 0.496	0.780
			70 ppb	0.117	-0.253, 0.487	
	Ambient SO_2 (ppb)	0	120 ppb	-0.034	-0.509, 0.440	0.979
			70 ppb	0.014	-0.501, 0.528	
		0-2	120 ppb	-0.061	-0.543, 0.422	0.951
			70 ppb	0.009	-0.512, 0.530	
		0-11	120 ppb	-0.058	-0.541, 0.424	0.950
			70 ppb	-0.077	-0.573, 0.418	
		0-23	120 ppb	0.019	-0.466, 0.504	0.961
			70 ppb	-0.047	-0.537, 0.443	
		0-47	120 ppb	0.019	-0.469, 0.508	0.958
			70 ppb	-0.049	-0.541, 0.443	
		0-71	120 ppb	0.011	-0.478, 0.500	0.961
			70 ppb	-0.052	-0.541, 0.437	
		0-95	120 ppb	-0.024	-0.517, 0.469	0.973
			70 ppb	-0.057	-0.546, 0.431	
Monocyte platelet conjugates	MOSES 1 Main Effect		120 ppb	-0.2	-6.8, 6.4	0.873
			70 ppb	-1.6	-8.3, 5.0	
		0-71	120 ppb	2.7	-4.4, 9.9	0.251

(count)	PES O_3 (ppb)		70 ppb	-3.3	-10.4, 3.9	
	PES NO_2 (ppb)	0-71	120 ppb	2.8	-4.1, 9.8	0.147
			70 ppb	-4.1	-11.2, 2.9	
	Ambient O_3 (ppb)	0	120 ppb	1.2	-6.3, 8.7	0.933
			70 ppb	-0.1	-7.5, 7.4	
		0-2	120 ppb	2.2	-5.7, 10.1	0.857
			70 ppb	0.7	-7.0, 8.3	
		0-11	120 ppb	1.7	-5.6, 8.9	0.842
			70 ppb	-0.4	-7.6, 6.8	
		0-23	120 ppb	2.3	-4.9, 9.5	0.696
			70 ppb	-0.6	-7.7, 6.6	
		0-47	120 ppb	2.6	-4.6, 9.9	0.627
			70 ppb	-0.7	-7.9, 6.5	
		0-71	120 ppb	3.0	-4.3, 10.2	0.556
			70 ppb	-0.8	-8.0, 6.4	
		0-95	120 ppb	2.5	-4.8, 9.7	0.626
			70 ppb	-1.0	-8.2, 6.2	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.3	-7.7, 7.1	0.950
			70 ppb	-1.2	-8.6, 6.3	
		0-2	120 ppb	-0.6	-8.1, 6.8	0.951
			70 ppb	-1.2	-8.7, 6.3	
		0-11	120 ppb	0.0	-7.4, 7.5	0.871
			70 ppb	-1.7	-9.0, 5.6	
		0-23	120 ppb	0.4	-7.0, 7.8	0.849
			70 ppb	-1.6	-8.9, 5.7	
		0-47	120 ppb	1.3	-6.2, 8.8	0.711
			70 ppb	-1.8	-9.1, 5.5	
		0-71	120 ppb	1.9	-5.5, 9.3	0.608
			70 ppb	-1.7	-9.0, 5.5	
		0-95	120 ppb	2.3	-5.1, 9.7	0.555
			70 ppb	-1.7	-9.0, 5.7	
	Ambient CO (ppm)	0	120 ppb	0.1	-7.4, 7.7	0.939
			70 ppb	-1.1	-8.7, 6.4	
		0-2	120 ppb	0.3	-7.3, 8.0	0.983
			70 ppb	-0.4	-8.0, 7.3	
		0-11	120 ppb	1.4	-6.1, 8.8	0.856
			70 ppb	-0.7	-8.1, 6.8	
		0-23	120 ppb	1.5	-5.9, 9.0	0.805
			70 ppb	-0.9	-8.4, 6.6	
		0-47	120 ppb	1.8	-5.7, 9.3	0.684
			70 ppb	-1.5	-9.0, 6.0	
		0-71	120 ppb	2.1	-5.4, 9.6	0.577
			70 ppb	-1.9	-9.3, 5.6	
		0-95	120 ppb	2.0	-5.5, 9.5	0.589
			70 ppb	-1.9	-9.3, 5.6	
		0	120 ppb	0.4	-7.4, 8.1	0.987
			70 ppb	-0.2	-8.0, 7.5	

	Ambient NO_2 (ppb)	0-2	120 ppb	0.5	-7.3, 8.2	0.993
			70 ppb	0.2	-7.6, 8.1	
		0-11	120 ppb	0.8	-6.8, 8.4	0.919
			70 ppb	-0.8	-8.4, 6.8	
		0-23	120 ppb	0.5	-7.0, 8.1	0.867
			70 ppb	-1.5	-9.0, 6.0	
		0-47	120 ppb	0.8	-6.8, 8.4	0.799
			70 ppb	-1.7	-9.2, 5.8	
		0-71	120 ppb	1.3	-6.3, 8.9	0.720
			70 ppb	-1.8	-9.3, 5.7	
		0-95	120 ppb	1.2	-6.4, 8.7	0.733
			70 ppb	-1.8	-9.3, 5.7	
	Ambient SO_2 (ppb)	0	120 ppb	-0.9	-7.6, 5.9	0.857
			70 ppb	-2.0	-9.0, 5.1	
		0-2	120 ppb	-2.5	-9.0, 4.0	0.683
			70 ppb	-2.6	-9.4, 4.2	
		0-11	120 ppb	-0.8	-7.5, 5.9	0.793
			70 ppb	-2.3	-9.2, 4.5	
		0-23	120 ppb	-0.4	-7.1, 6.3	0.885
			70 ppb	-1.6	-8.5, 5.2	
		0-47	120 ppb	0.2	-6.6, 6.9	0.917
			70 ppb	-1.1	-8.0, 5.7	
		0-71	120 ppb	0.7	-6.0, 7.4	0.852
			70 ppb	-1.2	-8.0, 5.6	
		0-95	120 ppb	0.3	-6.4, 7.0	0.896
			70 ppb	-1.2	-8.0, 5.6	
Ln of Monocyte platelet conjugates (count)	PES O_3 (ppb)	0-71	120 ppb	0.032	-0.097, 0.162	0.499
			70 ppb	-0.045	-0.174, 0.085	
	PES NO_2 (ppb)	0-71	120 ppb	0.038	-0.092, 0.167	0.454
			70 ppb	-0.045	-0.175, 0.085	
	Ambient O_3 (ppb)	0	120 ppb	0.021	-0.116, 0.158	0.895
			70 ppb	-0.013	-0.149, 0.123	
		0-2	120 ppb	0.061	-0.082, 0.204	0.687
			70 ppb	0.015	-0.124, 0.154	
		0-11	120 ppb	0.021	-0.113, 0.156	0.888
			70 ppb	-0.011	-0.144, 0.122	
		0-23	120 ppb	0.039	-0.094, 0.173	0.744
			70 ppb	-0.010	-0.143, 0.123	
		0-47	120 ppb	0.044	-0.091, 0.179	0.691
			70 ppb	-0.011	-0.144, 0.122	
		0-71	120 ppb	0.048	-0.087, 0.183	0.684
			70 ppb	-0.007	-0.142, 0.127	
		0-95	120 ppb	0.034	-0.101, 0.168	0.804
			70 ppb	-0.009	-0.143, 0.125	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.032	-0.164, 0.100	0.890
			70 ppb	-0.019	-0.151, 0.113	
		0-2	120 ppb	-0.020	-0.153, 0.113	0.954
			70 ppb	-0.015	-0.150, 0.119	

		0-11	120 ppb	-0.033	-0.167, 0.101	0.768
			70 ppb	-0.048	-0.180, 0.084	
		0-23	120 ppb	-0.021	-0.155, 0.114	0.749
			70 ppb	-0.051	-0.183, 0.081	
		0-47	120 ppb	-0.003	-0.139, 0.134	0.728
			70 ppb	-0.047	-0.180, 0.085	
		0-71	120 ppb	0.011	-0.124, 0.146	0.697
			70 ppb	-0.043	-0.175, 0.090	
		0-95	120 ppb	0.026	-0.109, 0.160	0.657
			70 ppb	-0.035	-0.168, 0.098	
	Ambient CO (ppm)	0	120 ppb	-0.013	-0.151, 0.125	0.916
			70 ppb	-0.029	-0.167, 0.109	
		0-2	120 ppb	0.002	-0.137, 0.142	0.955
			70 ppb	-0.017	-0.158, 0.123	
		0-11	120 ppb	-0.006	-0.143, 0.131	0.868
			70 ppb	-0.035	-0.172, 0.103	
		0-23	120 ppb	0.005	-0.132, 0.142	0.808
			70 ppb	-0.037	-0.174, 0.101	
		0-47	120 ppb	0.011	-0.127, 0.148	0.744
			70 ppb	-0.040	-0.177, 0.098	
		0-71	120 ppb	0.014	-0.124, 0.152	0.709
			70 ppb	-0.041	-0.178, 0.096	
		0-95	120 ppb	0.013	-0.124, 0.151	0.755
			70 ppb	-0.037	-0.173, 0.100	
	Ambient NO_2 (ppb)	0	120 ppb	0.009	-0.130, 0.149	0.896
			70 ppb	-0.024	-0.164, 0.117	
		0-2	120 ppb	0.027	-0.114, 0.168	0.867
			70 ppb	-0.011	-0.153, 0.132	
		0-11	120 ppb	-0.010	-0.147, 0.127	0.876
			70 ppb	-0.035	-0.171, 0.102	
		0-23	120 ppb	-0.015	-0.153, 0.123	0.761
			70 ppb	-0.050	-0.187, 0.087	
		0-47	120 ppb	-0.008	-0.147, 0.131	0.728
			70 ppb	-0.052	-0.189, 0.086	
		0-71	120 ppb	-0.004	-0.143, 0.136	0.726
			70 ppb	-0.050	-0.188, 0.087	
		0-95	120 ppb	-0.003	-0.142, 0.135	0.762
			70 ppb	-0.046	-0.184, 0.091	
	Ambient SO_2 (ppb)	0	120 ppb	0.022	-0.120, 0.164	0.925
			70 ppb	0.028	-0.120, 0.176	
		0-2	120 ppb	0.006	-0.135, 0.148	0.970
			70 ppb	0.018	-0.130, 0.167	
		0-11	120 ppb	-0.005	-0.147, 0.137	0.991
			70 ppb	0.005	-0.142, 0.151	
		0-23	120 ppb	0.007	-0.137, 0.152	0.981
			70 ppb	0.015	-0.133, 0.163	
		0-47	120 ppb	0.013	-0.134, 0.160	0.943
			70 ppb	0.026	-0.123, 0.175	
		0-71	120 ppb	0.015	-0.132, 0.163	0.950

			70 ppb	0.024	-0.125, 0.173	
		0-95	120 ppb	0.005	-0.141, 0.152	0.921
			70 ppb	0.029	-0.120, 0.177	
FEV_1 (L)	MOSES 1 Main Effect		120 ppb	-0.033	-0.051, 0.014	0.003
			70 ppb	-0.015	-0.033, -0.004	
	PES O_3 (ppb)	0-71	120 ppb	-0.039	-0.057, -0.020	<0.001
			70 ppb	-0.023	-0.041, -0.004	
	PES NO_2 (ppb)	0-71	120 ppb	-0.038	-0.057, -0.019	<0.001
			70 ppb	-0.022	-0.041, -0.004	
	Ambient O_3 (ppb)	0	120 ppb	-0.035	-0.054, -0.016	0.001
			70 ppb	-0.018	-0.037, 0.001	
		0-2	120 ppb	-0.042	-0.062, -0.022	<0.001
			70 ppb	-0.024	-0.044, -0.005	
		0-11	120 ppb	-0.038	-0.057, -0.019	0.001
			70 ppb	-0.020	-0.039, -0.001	
		0-23	120 ppb	-0.038	-0.057, -0.019	<0.001
			70 ppb	-0.019	-0.038, 0.000	
		0-47	120 ppb	-0.038	-0.057, -0.019	0.001
			70 ppb	-0.019	-0.038, 0.000	
		0-71	120 ppb	-0.038	-0.056, -0.019	0.001
			70 ppb	-0.019	-0.037, 0.000	
		0-95	120 ppb	-0.039	-0.058, -0.02	<0.001
			70 ppb	-0.018	-0.036, 0.001	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.040	-0.059, -0.021	<0.001
			70 ppb	-0.019	-0.039, 0.000	
		0-2	120 ppb	-0.040	-0.06 0, -0.020	<0.001
			70 ppb	-0.019	-0.039, 0.001	
		0-11	120 ppb	-0.044	-0.063, -0.025	<0.001
			70 ppb	-0.020	-0.039, -0.001	
		0-23	120 ppb	-0.044	-0.063, -0.025	<0.001
			70 ppb	-0.017	-0.036, 0.002	
		0-47	120 ppb	-0.045	-0.065, -0.026	<0.001
			70 ppb	-0.018	-0.037, 0.000	
		0-71	120 ppb	-0.043	-0.062, -0.024	<0.001
			70 ppb	-0.019	-0.038, 0.000	
		0-95	120 ppb	-0.040	-0.060, -0.021	<0.001
			70 ppb	-0.018	-0.037, 0.001	
	Ambient CO (ppm)	0	120 ppb	-0.038	-0.057, -0.019	0.001
			70 ppb	-0.021	-0.040, -0.002	
		0-2	120 ppb	-0.039	-0.058, -0.020	<0.001
			70 ppb	-0.023	-0.043, -0.004	
		0-11	120 ppb	-0.041	-0.060, -0.022	<0.001
			70 ppb	-0.021	-0.041, -0.002	
		0-23	120 ppb	-0.041	-0.060, -0.022	<0.001
			70 ppb	-0.020	-0.039, -0.001	
		0-47	120 ppb	-0.041	-0.060, -0.022	<0.001
			70 ppb	-0.020	-0.039, -0.001	
		0-71	120 ppb	-0.041	-0.060, -0.022	<0.001

			70 ppb	-0.020	-0.039, -0.001	
		0-95	120 ppb	-0.040	-0.059, -0.021	<0.001
			70 ppb	-0.019	-0.038, -0.001	
	Ambient NO_2 (ppb)	0	120 ppb	-0.022	-0.041, -0.002	0.088
			70 ppb	-0.011	-0.030, 0.009	
		0-2	120 ppb	-0.024	-0.043, -0.004	0.059
			70 ppb	-0.014	-0.033, 0.006	
		0-11	120 ppb	-0.031	-0.051, -0.012	0.007
			70 ppb	-0.013	-0.033, 0.006	
		0-23	120 ppb	-0.034	-0.053, -0.014	0.003
			70 ppb	-0.015	-0.034, 0.004	
		0-47	120 ppb	-0.034	-0.053, -0.014	0.003
			70 ppb	-0.015	-0.034, 0.005	
		0-71	120 ppb	-0.034	-0.053, -0.014	0.004
			70 ppb	-0.015	-0.034, 0.004	
		0-95	120 ppb	-0.036	-0.055, -0.016	0.002
			70 ppb	-0.015	-0.035, 0.004	
	Ambient SO_2 (ppb)	0	120 ppb	-0.029	-0.051, -0.006	0.013
			70 ppb	-0.030	-0.054, -0.007	
		0-2	120 ppb	-0.028	-0.050, -0.006	0.013
			70 ppb	-0.031	-0.054, -0.007	
		0-11	120 ppb	-0.031	-0.053, -0.008	0.014
			70 ppb	-0.028	-0.051, -0.005	
		0-23	120 ppb	-0.031	-0.053, -0.009	0.011
			70 ppb	-0.028	-0.051, -0.006	
		0-47	120 ppb	-0.030	-0.052, -0.008	0.014
			70 ppb	-0.028	-0.050, -0.006	
		0-71	120 ppb	-0.029	-0.051, -0.007	0.014
			70 ppb	-0.028	-0.050, -0.006	
		0-95	120 ppb	-0.031	-0.053, -0.009	0.009
			70 ppb	-0.028	-0.050, -0.006	
Ln of FEV_1 (L)	PES O_3 (ppb)	0-71	120 ppb	-0.013	-0.019, -0.007	<0.001
			70 ppb	-0.008	-0.014, -0.002	
	PES NO_2 (ppb)	0-71	120 ppb	-0.013	-0.019, -0.007	<0.001
			70 ppb	-0.007	-0.014, -0.001	
	Ambient O_3 (ppb)	0	120 ppb	-0.012	-0.018, -0.005	0.002
			70 ppb	-0.006	-0.012, 0.001	
		0-2	120 ppb	-0.014	-0.020, -0.007	<0.001
			70 ppb	-0.008	-0.014, -0.001	
		0-11	120 ppb	-0.013	-0.019, -0.006	<0.001
			70 ppb	-0.007	-0.013, 0.000	
		0-23	120 ppb	-0.013	-0.019, -0.007	<0.001
			70 ppb	-0.006	-0.013, 0.000	
		0-47	120 ppb	-0.013	-0.019, -0.006	<0.001
			70 ppb	-0.006	-0.013, 0.000	
		0-71	120 ppb	-0.013	-0.019, -0.006	<0.001
			70 ppb	-0.006	-0.012, 0.000	
		0-95	120 ppb	-0.013	-0.019, -0.007	<0.001

			70 ppb	-0.006	-0.012, 0.000	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.014	-0.020, -0.007	<0.001
			70 ppb	-0.006	-0.013, 0.000	
		0-2	120 ppb	-0.014	-0.020, -0.007	<0.001
			70 ppb	-0.007	-0.013, 0.000	
		0-11	120 ppb	-0.015	-0.021, -0.008	<0.001
			70 ppb	-0.007	-0.013, 0.000	
		0-23	120 ppb	-0.015	-0.021, -0.008	<0.001
			70 ppb	-0.006	-0.012, 0.001	
		0-47	120 ppb	-0.015	-0.022, -0.009	<0.001
			70 ppb	-0.006	-0.012, 0.000	
		0-71	120 ppb	-0.014	-0.021, -0.008	<0.001
			70 ppb	-0.006	-0.013, 0.000	
		0-95	120 ppb	-0.013	-0.020, -0.007	<0.001
			70 ppb	-0.006	-0.012, 0.000	
	Ambient CO (ppm)	0	120 ppb	-0.013	-0.019, -0.006	0.001
			70 ppb	-0.007	-0.013, 0.000	
		0-2	120 ppb	-0.013	-0.020, -0.007	<0.001
			70 ppb	-0.008	-0.014, -0.001	
		0-11	120 ppb	-0.014	-0.020, -0.007	<0.001
			70 ppb	-0.007	-0.013, -0.001	
		0-23	120 ppb	-0.014	-0.020, -0.007	<0.001
			70 ppb	-0.007	-0.013, 0.000	
		0-47	120 ppb	-0.014	-0.020, -0.007	<0.001
			70 ppb	-0.007	-0.013, 0.000	
		0-71	120 ppb	-0.014	-0.020, -0.007	<0.001
			70 ppb	-0.007	-0.013, 0.000	
		0-95	120 ppb	-0.013	-0.019, -0.007	<0.001
			70 ppb	-0.006	-0.013, 0.000	
	Ambient NO_2 (ppb)	0	120 ppb	-0.007	-0.014, -0.001	0.082
			70 ppb	-0.003	-0.010, 0.003	
		0-2	120 ppb	-0.008	-0.014, -0.001	0.062
			70 ppb	-0.004	-0.011, 0.002	
		0-11	120 ppb	-0.010	-0.017, -0.004	0.007
			70 ppb	-0.004	-0.010, 0.003	
		0-23	120 ppb	-0.011	-0.018, -0.005	0.003
			70 ppb	-0.005	-0.011, 0.002	
		0-47	120 ppb	-0.011	-0.018, -0.005	0.003
			70 ppb	-0.005	-0.011, 0.002	
		0-71	120 ppb	-0.011	-0.018, -0.005	0.004
			70 ppb	-0.005	-0.011, 0.002	
		0-95	120 ppb	-0.012	-0.018, -0.005	0.002
			70 ppb	-0.005	-0.011, 0.002	
	Ambient SO_2 (ppb)	0	120 ppb	-0.011	-0.019, -0.004	0.005
			70 ppb	-0.011	-0.019, -0.003	
		0-2	120 ppb	-0.011	-0.018, -0.003	0.005
			70 ppb	-0.011	-0.019, -0.003	
		0-11	120 ppb	-0.012	-0.019, -0.004	0.005
			70 ppb	-0.010	-0.017, -0.002	

		0-23	120 ppb	-0.012	-0.019, -0.004	0.004
			70 ppb	-0.010	-0.017, -0.002	
		0-47	120 ppb	-0.011	-0.019, -0.004	0.005
			70 ppb	-0.010	-0.017, -0.002	
		0-71	120 ppb	-0.011	-0.019, -0.004	0.005
			70 ppb	-0.010	-0.017, -0.002	
		0-95	120 ppb	-0.012	-0.019, -0.005	0.003
			70 ppb	-0.010	-0.017, -0.002	
FVC (L)	MOSES 1 Main Effect		120 ppb	-0.037	-0.061, -0.013	0.011
			70 ppb	-0.019	-0.043, 0.005	
	PES O_3 (ppb)	0-71	120 ppb	-0.043	-0.066, -0.019	0.002
			70 ppb	-0.016	-0.039, 0.008	
	PES NO_2 (ppb)	0-71	120 ppb	-0.042	-0.066, -0.018	0.002
			70 ppb	-0.015	-0.039, 0.009	
	Ambient O_3 (ppb)	0	120 ppb	-0.041	-0.066, -0.017	0.003
			70 ppb	-0.012	-0.037, 0.012	
		0-2	120 ppb	-0.051	-0.076, -0.025	<0.001
			70 ppb	-0.019	-0.045, 0.006	
		0-11	120 ppb	-0.042	-0.066, -0.018	0.003
			70 ppb	-0.013	-0.038, 0.011	
		0-23	120 ppb	-0.041	-0.065, -0.018	0.002
			70 ppb	-0.013	-0.037, 0.011	
		0-47	120 ppb	-0.042	-0.066, -0.018	0.002
			70 ppb	-0.012	-0.036, 0.012	
		0-71	120 ppb	-0.042	-0.066, -0.018	0.002
			70 ppb	-0.011	-0.035, 0.013	
		0-95	120 ppb	-0.043	-0.067, -0.019	0.001
			70 ppb	-0.011	-0.034, 0.013	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.043	-0.068, -0.019	0.002
			70 ppb	-0.013	-0.037, 0.012	
		0-2	120 ppb	-0.045	-0.070, -0.020	0.001
			70 ppb	-0.012	-0.037, 0.014	
		0-11	120 ppb	-0.046	-0.071, -0.022	0.001
			70 ppb	-0.015	-0.039, 0.009	
		0-23	120 ppb	-0.046	-0.071, -0.022	0.001
			70 ppb	-0.012	-0.036, 0.013	
		0-47	120 ppb	-0.047	-0.072, -0.022	0.001
			70 ppb	-0.012	-0.037, 0.012	
		0-71	120 ppb	-0.045	-0.070, -0.021	0.001
			70 ppb	-0.013	-0.037, 0.011	
		0-95	120 ppb	-0.042	-0.067, -0.017	0.003
			70 ppb	-0.009	-0.034, 0.015	
	Ambient CO (ppm)	0	120 ppb	-0.042	-0.067, -0.018	0.003
			70 ppb	-0.013	-0.038, 0.011	
		0-2	120 ppb	-0.045	-0.070, -0.020	0.002
			70 ppb	-0.017	-0.042, 0.008	
		0-11	120 ppb	-0.044	-0.068, -0.020	0.002
			70 ppb	-0.015	-0.039, 0.010	

		0-23	120 ppb	-0.044	-0.069, -0.020	0.001
			70 ppb	-0.014	-0.038, 0.010	
		0-47	120 ppb	-0.044	-0.068, -0.019	0.002
			70 ppb	-0.014	-0.038, 0.010	
		0-71	120 ppb	-0.044	-0.069, -0.020	0.002
			70 ppb	-0.014	-0.038, 0.010	
		0-95	120 ppb	-0.043	-0.067, -0.018	0.002
			70 ppb	-0.013	-0.038, 0.011	
	Ambient NO_2 (ppb)	0	120 ppb	-0.027	-0.053, -0.002	0.076
			70 ppb	-0.004	-0.029, 0.021	
		0-2	120 ppb	-0.031	-0.056, -0.005	0.052
			70 ppb	-0.007	-0.033, 0.018	
		0-11	120 ppb	-0.035	-0.060, -0.010	0.019
			70 ppb	-0.009	-0.034, 0.016	
		0-23	120 ppb	-0.038	-0.063, -0.013	0.010
			70 ppb	-0.011	-0.036, 0.014	
		0-47	120 ppb	-0.038	-0.063, -0.012	0.011
			70 ppb	-0.011	-0.036, 0.014	
		0-71	120 ppb	-0.038	-0.063, -0.012	0.013
			70 ppb	-0.011	-0.036, 0.014	
		0-95	120 ppb	-0.040	-0.065, -0.014	0.007
			70 ppb	-0.011	-0.036, 0.014	
	Ambient SO_2 (ppb)	0	120 ppb	-0.028	-0.055, -0.001	0.122
			70 ppb	-0.009	-0.037, 0.019	
		0-2	120 ppb	-0.029	-0.057, -0.002	0.105
			70 ppb	-0.010	-0.039, 0.018	
		0-11	120 ppb	-0.031	-0.059, -0.003	0.085
			70 ppb	-0.011	-0.039, 0.018	
		0-23	120 ppb	-0.032	-0.060, -0.005	0.069
			70 ppb	-0.014	-0.042, 0.014	
		0-47	120 ppb	-0.030	-0.058, -0.003	0.098
			70 ppb	-0.014	-0.042, 0.014	
		0-71	120 ppb	-0.030	-0.058, -0.003	0.101
			70 ppb	-0.014	-0.042, 0.013	
		0-95	120 ppb	-0.032	-0.060, -0.005	0.073
			70 ppb	-0.015	-0.043, 0.013	
Ln of FVC (L)	PES O_3 (ppb)	0-71	120 ppb	-0.011	-0.017, -0.005	0.003
			70 ppb	-0.004	-0.010, 0.002	
	PES NO_2 (ppb)	0-71	120 ppb	-0.010	-0.016, -0.004	0.003
			70 ppb	-0.004	-0.010, 0.002	
	Ambient O_3 (ppb)	0	120 ppb	-0.010	-0.016, -0.004	0.006
			70 ppb	-0.003	-0.009, 0.003	
		0-2	120 ppb	-0.012	-0.019, -0.006	0.001
			70 ppb	-0.005	-0.011, 0.002	
		0-11	120 ppb	-0.010	-0.016, -0.004	0.004
			70 ppb	-0.003	-0.010, 0.003	
		0-23	120 ppb	-0.010	-0.016, -0.004	0.004
			70 ppb	-0.003	-0.009, 0.003	

		0-47	120 ppb	-0.010	-0.016, -0.004	0.004
			70 ppb	-0.003	-0.009, 0.003	
		0-71	120 ppb	-0.010	-0.016, -0.004	0.003
			70 ppb	-0.003	-0.009, 0.003	
		0-95	120 ppb	-0.010	-0.017, -0.004	0.002
			70 ppb	-0.003	-0.009, 0.003	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.010	-0.017, -0.004	0.004
			70 ppb	-0.003	-0.009, 0.003	
		0-2	120 ppb	-0.011	-0.018, -0.005	0.002
			70 ppb	-0.003	-0.010, 0.004	
		0-11	120 ppb	-0.011	-0.017, -0.005	0.002
			70 ppb	-0.004	-0.010, 0.003	
		0-23	120 ppb	-0.011	-0.017, -0.005	0.001
			70 ppb	-0.003	-0.009, 0.003	
		0-47	120 ppb	-0.011	-0.018, -0.005	0.001
			70 ppb	-0.003	-0.009, 0.003	
		0-71	120 ppb	-0.011	-0.017, -0.005	0.002
			70 ppb	-0.003	-0.009, 0.003	
		0-95	120 ppb	-0.010	-0.016, -0.004	0.005
			70 ppb	-0.002	-0.008, 0.004	
	Ambient CO (ppm)	0	120 ppb	-0.010	-0.016, -0.004	0.006
			70 ppb	-0.003	-0.010, 0.003	
		0-2	120 ppb	-0.011	-0.017, -0.005	0.003
			70 ppb	-0.004	-0.011, 0.002	
		0-11	120 ppb	-0.011	-0.017, -0.004	0.003
			70 ppb	-0.004	-0.010, 0.003	
		0-23	120 ppb	-0.011	-0.017, -0.005	0.003
			70 ppb	-0.003	-0.010, 0.003	
		0-47	120 ppb	-0.011	-0.017, -0.004	0.003
			70 ppb	-0.003	-0.010, 0.003	
		0-71	120 ppb	-0.010	-0.017, -0.004	0.004
			70 ppb	-0.003	-0.010, 0.003	
		0-95	120 ppb	-0.010	-0.016, -0.004	0.007
			70 ppb	-0.003	-0.009, 0.003	
	Ambient NO_2 (ppb)	0	120 ppb	-0.006	-0.013, 0.000	0.120
			70 ppb	-0.001	-0.007, 0.006	
		0-2	120 ppb	-0.007	-0.013, 0.000	0.088
			70 ppb	-0.002	-0.008, 0.005	
		0-11	120 ppb	-0.008	-0.014, -0.002	0.032
			70 ppb	-0.002	-0.008, 0.005	
		0-23	120 ppb	-0.009	-0.015, -0.003	0.017
			70 ppb	-0.003	-0.009, 0.004	
		0-47	120 ppb	-0.009	-0.015, -0.002	0.020
			70 ppb	-0.002	-0.009, 0.004	
		0-71	120 ppb	-0.009	-0.015, -0.002	0.024
			70 ppb	-0.003	-0.009, 0.004	
		0-95	120 ppb	-0.009	-0.016, -0.003	0.015
			70 ppb	-0.002	-0.009, 0.004	
		0	120 ppb	-0.008	-0.015, -0.001	0.081

	Ambient SO_2 (ppb)		70 ppb	-0.003	-0.010, 0.005	
		0-2	120 ppb	-0.008	-0.015, -0.001	0.070
			70 ppb	-0.003	-0.010, 0.005	
		0-11	120 ppb	-0.009	-0.016, -0.001	0.058
			70 ppb	-0.003	-0.010, 0.004	
		0-23	120 ppb	-0.009	-0.016, -0.002	0.048
			70 ppb	-0.004	-0.011, 0.004	
		0-47	120 ppb	-0.008	-0.016, -0.001	0.067
			70 ppb	-0.004	-0.011, 0.003	
		0-71	120 ppb	-0.008	-0.016, -0.001	0.068
			70 ppb	-0.004	-0.011, 0.003	
		0-95	120 ppb	-0.009	-0.016, -0.002	0.050
			70 ppb	-0.004	-0.011, 0.003	
CC16 (ng/mL)	MOSES 1 Main Effect		120 ppb	1.98	1.06, 2.90	<0.001
			70 ppb	0.69	-0.23, 1.60	
	PES O_3 (ppb)	0-71	120 ppb	2.10	1.14, 3.07	<0.001
			70 ppb	0.39	-0.56, 1.34	
	PES NO_2 (ppb)	0-71	120 ppb	2.03	1.06, 3.00	<0.001
			70 ppb	0.31	-0.65, 1.27	
	Ambient O_3 (ppb)	0	120 ppb	1.81	0.80, 2.82	0.002
			70 ppb	0.44	-0.56, 1.44	
		0-2	120 ppb	1.77	0.70, 2.84	0.003
			70 ppb	0.40	-0.64, 1.45	
		0-11	120 ppb	1.85	0.85, 2.84	0.001
			70 ppb	0.39	-0.59, 1.37	
		0-23	120 ppb	1.92	0.93, 2.91	<0.001
			70 ppb	0.41	-0.57, 1.39	
		0-47	120 ppb	1.98	0.98, 2.98	<0.001
			70 ppb	0.31	-0.67, 1.30	
		0-71	120 ppb	1.96	0.95, 2.96	<0.001
			70 ppb	0.30	-0.69, 1.29	
		0-95	120 ppb	2.08	1.08, 3.08	<0.001
			70 ppb	0.30	-0.69, 1.28	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	1.90	0.89, 2.92	<0.001
			70 ppb	0.18	-0.83, 1.20	
		0-2	120 ppb	1.89	0.84, 2.93	<0.001
			70 ppb	0.12	-0.93, 1.18	
		0-11	120 ppb	2.15	1.13, 3.17	<0.001
			70 ppb	0.42	-0.58, 1.42	
		0-23	120 ppb	2.14	1.12, 3.16	<0.001
			70 ppb	0.35	-0.65, 1.35	
		0-47	120 ppb	2.15	1.12, 3.19	<0.001
			70 ppb	0.41	-0.59, 1.42	
		0-71	120 ppb	2.11	1.08, 3.14	<0.001
			70 ppb	0.43	-0.58, 1.43	
		0-95	120 ppb	2.06	1.03, 3.10	<0.001
			70 ppb	0.45	-0.56, 1.46	
		0	120 ppb	1.94	0.92, 2.95	<0.001

	Ambient CO (ppm)		70 ppb	0.15	-0.87, 1.17	
		0-2	120 ppb	1.89	0.85, 2.94	<0.001
			70 ppb	0.13	-0.92, 1.19	
		0-11	120 ppb	2.04	1.01, 3.07	<0.001
			70 ppb	0.29	-0.74, 1.32	
		0-23	120 ppb	2.04	1.01, 3.06	<0.001
			70 ppb	0.28	-0.74, 1.31	
		0-47	120 ppb	2.04	1.01, 3.07	<0.001
			70 ppb	0.30	-0.72, 1.32	
		0-71	120 ppb	2.06	1.03, 3.10	<0.001
			70 ppb	0.31	-0.71, 1.33	
		0-95	120 ppb	2.12	1.08, 3.15	<0.001
			70 ppb	0.32	-0.69, 1.34	
	Ambient NO_2 (ppb)	0	120 ppb	1.79	0.77, 2.82	0.001
			70 ppb	0.27	-0.75, 1.29	
		0-2	120 ppb	1.72	0.67, 2.77	0.003
			70 ppb	0.25	-0.80, 1.29	
		0-11	120 ppb	1.82	0.78, 2.87	0.001
			70 ppb	0.09	-0.94, 1.12	
		0-23	120 ppb	1.87	0.83, 2.90	<0.001
			70 ppb	0.15	-0.87, 1.17	
		0-47	120 ppb	1.87	0.83, 2.91	<0.001
			70 ppb	0.15	-0.87, 1.18	
		0-71	120 ppb	1.87	0.82, 2.91	0.001
			70 ppb	0.15	-0.87, 1.17	
		0-95	120 ppb	1.90	0.86, 2.95	<0.001
			70 ppb	0.13	-0.90, 1.15	
	Ambient SO_2 (ppb)	0	120 ppb	2.23	1.11, 3.34	<0.001
			70 ppb	-0.03	-1.17, 1.12	
		0-2	120 ppb	2.21	1.08, 3.33	<0.001
			70 ppb	-0.02	-1.18, 1.14	
		0-11	120 ppb	2.30	1.17, 3.43	<0.001
			70 ppb	-0.01	-1.15, 1.13	
		0-23	120 ppb	2.40	1.29, 3.51	<0.001
			70 ppb	0.04	-1.07, 1.16	
		0-47	120 ppb	2.38	1.27, 3.49	<0.001
			70 ppb	0.00	-1.11, 1.10	
		0-71	120 ppb	2.36	1.25, 3.47	<0.001
			70 ppb	0.03	-1.08, 1.13	
		0-95	120 ppb	2.46	1.34, 3.58	<0.001
			70 ppb	-0.01	-1.11, 1.10	
Ln of CC16 (ng/mL)	PES O_3 (ppb)	0-71	120 ppb	0.099	0.038, 0.160	0.001
			70 ppb	0.002	-0.057, 0.062	
	PES NO_2 (ppb)	0-71	120 ppb	0.093	0.033, 0.154	0.002
			70 ppb	-0.004	-0.065, 0.056	
	Ambient O_3 (ppb)	0	120 ppb	0.087	0.022, 0.151	0.012
			70 ppb	0.001	-0.063, 0.064	
		0-2	120 ppb	0.084	0.016, 0.151	0.019

			70 ppb	-0.002	-0.067, 0.064	
		0-11	120 ppb	0.085	0.022, 0.148	0.009
			70 ppb	0.000	-0.063, 0.062	
		0-23	120 ppb	0.086	0.024, 0.149	0.008
			70 ppb	0.001	-0.061, 0.063	
		0-47	120 ppb	0.089	0.026, 0.152	0.004
			70 ppb	-0.005	-0.067, 0.057	
		0-71	120 ppb	0.087	0.024, 0.151	0.005
			70 ppb	-0.006	-0.068, 0.057	
		0-95	120 ppb	0.093	0.030, 0.156	0.003
			70 ppb	-0.006	-0.067, 0.056	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.085	0.020, 0.149	0.005
			70 ppb	-0.017	-0.082, 0.048	
		0-2	120 ppb	0.083	0.016, 0.149	0.006
			70 ppb	-0.021	-0.088, 0.046	
		0-11	120 ppb	0.096	0.031, 0.160	0.004
			70 ppb	0.002	-0.061, 0.066	
		0-23	120 ppb	0.095	0.031, 0.159	0.004
			70 ppb	0.000	-0.063, 0.063	
		0-47	120 ppb	0.094	0.029, 0.159	0.005
			70 ppb	0.002	-0.061, 0.066	
		0-71	120 ppb	0.093	0.028, 0.157	0.006
			70 ppb	0.002	-0.061, 0.065	
		0-95	120 ppb	0.090	0.025, 0.155	0.007
			70 ppb	0.001	-0.063, 0.065	
	Ambient CO (ppm)	0	120 ppb	0.089	0.025, 0.154	0.002
			70 ppb	-0.020	-0.084, 0.045	
		0-2	120 ppb	0.085	0.019, 0.151	0.004
			70 ppb	-0.021	-0.087, 0.046	
		0-11	120 ppb	0.091	0.027, 0.156	0.003
			70 ppb	-0.008	-0.073, 0.057	
		0-23	120 ppb	0.091	0.027, 0.156	0.003
			70 ppb	-0.008	-0.073, 0.056	
		0-47	120 ppb	0.092	0.028, 0.157	0.003
			70 ppb	-0.006	-0.070, 0.057	
		0-71	120 ppb	0.094	0.029, 0.158	0.003
			70 ppb	-0.005	-0.069, 0.058	
		0-95	120 ppb	0.096	0.031, 0.161	0.003
			70 ppb	-0.003	-0.067, 0.060	
	Ambient NO_2 (ppb)	0	120 ppb	0.093	0.026, 0.159	0.005
			70 ppb	-0.008	-0.074, 0.059	
		0-2	120 ppb	0.087	0.019, 0.155	0.010
			70 ppb	-0.008	-0.076, 0.060	
		0-11	120 ppb	0.083	0.017, 0.150	0.008
			70 ppb	-0.013	-0.079, 0.053	
		0-23	120 ppb	0.087	0.021, 0.153	0.007
			70 ppb	-0.008	-0.072, 0.057	
		0-47	120 ppb	0.087	0.021, 0.153	0.007
			70 ppb	-0.008	-0.073, 0.057	

		0-71	120 ppb	0.085	0.018, 0.151	0.010
			70 ppb	-0.007	-0.072, 0.057	
		0-95	120 ppb	0.088	0.021, 0.154	0.007
			70 ppb	-0.008	-0.073, 0.058	
	Ambient SO_2 (ppb)	0	120 ppb	0.098	0.029, 0.167	0.001
			70 ppb	-0.037	-0.107, 0.034	
		0-2	120 ppb	0.096	0.027, 0.166	0.001
			70 ppb	-0.037	-0.108, 0.035	
		0-11	120 ppb	0.100	0.031, 0.168	0.001
			70 ppb	-0.031	-0.101, 0.038	
		0-23	120 ppb	0.107	0.039, 0.175	<0.001
			70 ppb	-0.026	-0.094, 0.042	
		0-47	120 ppb	0.105	0.037, 0.172	<0.001
			70 ppb	-0.028	-0.095, 0.040	
		0-71	120 ppb	0.103	0.036, 0.171	<0.001
			70 ppb	-0.027	-0.094, 0.041	
		0-95	120 ppb	0.108	0.040, 0.177	<0.001
			70 ppb	-0.027	-0.095, 0.040	
Nitrotyrosine (nM)	MOSES 1 Main Effect		120 ppb	-41.5	-70.1, -12.8	0.017
			70 ppb	-14.2	-42.7, -14.2	
	PES O_3 (ppb)	0-71	120 ppb	-40.3	-71.8, -8.7	0.028
			70 ppb	-9.0	-41.6, 23.6	
	PES NO_2 (ppb)	0-71	120 ppb	-41.6	-73.1, -10.1	0.023
			70 ppb	-10.2	-42.9, 22.4	
	Ambient O_3 (ppb)	0	120 ppb	-51.3	-82.7, -19.9	0.006
			70 ppb	-19.1	-50.0, 11.9	
		0-2	120 ppb	-49.4	-82.3, -16.6	0.010
			70 ppb	-11.1	-43.5, 21.4	
		0-11	120 ppb	-46.4	-76.8, -16.1	0.007
			70 ppb	-9.4	-40.5, 21.6	
		0-23	120 ppb	-46.6	-77.2, -16.0	0.011
			70 ppb	-19.4	-50.7, 11.8	
		0-47	120 ppb	-49.4	-81.5, -17.3	0.011
			70 ppb	-24.8	-57.4, 7.9	
		0-71	120 ppb	-40.2	-72.5, -8.0	0.041
			70 ppb	-12.7	-46.0, 20.6	
		0-95	120 ppb	-47.9	-79.3, -16.6	0.011
			70 ppb	-19.6	-51.7, 12.6	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-49.0	-80.7, -17.2	0.010
			70 ppb	-19.5	-51.3, 12.4	
		0-2	120 ppb	-45.9	-78.2, -13.7	0.018
			70 ppb	-15.7	-48.3, 17.0	
		0-11	120 ppb	-51.6	-82.3, -20.9	0.004
			70 ppb	-21.8	-52.9, 9.4	
		0-23	120 ppb	-49.3	-80.0, -18.5	0.007
			70 ppb	-25.3	-56.4, 5.8	
		0-47	120 ppb	-53.0	-85.3, -20.6	0.006
			70 ppb	-34.7	-67.2, -2.1	

		0-71	120 ppb	-48.2	-80.6, -15.7	0.015
			70 ppb	-28.2	-61.9, 5.4	
		0-95	120 ppb	-56.5	-88.0, -25.0	0.002
			70 ppb	-36.4	-69.4, -3.4	
	Ambient CO (ppm)	0	120 ppb	-51.8	-83.3, -20.3	0.005
			70 ppb	-19.1	-50.5, 12.2	
		0-2	120 ppb	-50.0	-81.9, -18.1	0.007
			70 ppb	-14.0	-46.2, 18.3	
		0-11	120 ppb	-48.0	-78.4, -17.6	0.008
			70 ppb	-17.9	-49.2, 13.5	
		0-23	120 ppb	-49.9	-80.5, -19.3	0.006
			70 ppb	-26.9	-58.3, 4.6	
		0-47	120 ppb	-52.8	-84.6, -21.0	0.005
			70 ppb	-33.1	-65.5, -0.7	
		0-71	120 ppb	-46.7	-78.7, -14.7	0.017
			70 ppb	-24.3	-57.5, 8.9	
		0-95	120 ppb	-55.3	-86.4, -24.1	0.002
			70 ppb	-26.7	-58.7, 5.4	
	Ambient NO_2 (ppb)	0	120 ppb	-53.8	-86.0, -21.7	0.003
			70 ppb	-12.3	-44.2, 19.5	
		0-2	120 ppb	-53.4	-85.9, -20.8	0.003
			70 ppb	-7.3	-40.0, 25.3	
		0-11	120 ppb	-56.0	-87.2, -24.8	0.002
			70 ppb	-20.1	-52.1, 11.9	
		0-23	120 ppb	-56.3	-87.4, -25.2	0.002
			70 ppb	-23.8	-55.4, 7.7	
		0-47	120 ppb	-59.0	-91.4, -26.6	0.002
			70 ppb	-31.1	-63.8, 1.6	
		0-71	120 ppb	-50.5	-83.2, -17.9	0.010
			70 ppb	-24.9	-58.1, 8.3	
		0-95	120 ppb	-60.5	-92.1, -28.9	0.001
			70 ppb	-29.3	-61.9, 3.2	
	Ambient SO_2 (ppb)	0	120 ppb	-41.2	-79.9, -2.5	0.067
			70 ppb	-1.7	-40.9, 37.4	
		0-2	120 ppb	-41.7	-81.0, -2.3	0.057
			70 ppb	1.9	-37.9, 41.6	
		0-11	120 ppb	-40.7	-78.9, -2.5	0.041
			70 ppb	3.9	-35.3, 43.1	
		0-23	120 ppb	-38.5	-76.3, -0.8	0.111
			70 ppb	-9.5	-48.4, 29.4	
		0-47	120 ppb	-48.9	-88.5, -9.3	0.054
			70 ppb	-25.0	-65.0, 15.1	
		0-71	120 ppb	-45.1	-85.1, -5.2	0.086
			70 ppb	-23.3	-65.1, 18.5	
		0-95	120 ppb	-45.1	-83.9, -6.3	0.075
			70 ppb	-22.3	-62.8, 18.2	
Ln of Nitrotyrosine (nM)	PES O_3 (ppb)	0-71	120 ppb	-0.096	-0.164, -0.027	0.023
			70 ppb	-0.058	-0.126, 0.009	
		0-71	120 ppb	-0.097	-0.165, -0.028	0.021

	PES NO_2 (ppb)		70 ppb	-0.059	-0.126, 0.009	
	Ambient O_3 (ppb)	0	120 ppb	-0.084	-0.154, -0.014	0.028
			70 ppb	-0.080	-0.150, -0.010	
		0-2	120 ppb	-0.087	-0.161, -0.012	0.042
			70 ppb	-0.076	-0.149, -0.003	
		0-11	120 ppb	-0.096	-0.167, -0.026	0.025
			70 ppb	-0.064	-0.134, 0.006	
		0-23	120 ppb	-0.094	-0.164, -0.023	0.029
			70 ppb	-0.065	-0.135, 0.005	
		0-47	120 ppb	-0.095	-0.166, -0.024	0.029
			70 ppb	-0.061	-0.130, 0.009	
		0-71	120 ppb	-0.091	-0.161, -0.020	0.040
			70 ppb	-0.056	-0.126, 0.013	
		0-95	120 ppb	-0.095	-0.165, -0.025	0.026
			70 ppb	-0.061	-0.130, 0.008	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.089	-0.162, -0.015	0.043
			70 ppb	-0.070	-0.143, 0.003	
		0-2	120 ppb	-0.078	-0.152, -0.004	0.090
			70 ppb	-0.063	-0.138, 0.011	
		0-11	120 ppb	-0.109	-0.178, -0.040	0.005
			70 ppb	-0.087	-0.155, -0.019	
		0-23	120 ppb	-0.108	-0.176, -0.039	0.006
			70 ppb	-0.082	-0.149, -0.015	
		0-47	120 ppb	-0.109	-0.178, -0.040	0.005
			70 ppb	-0.082	-0.149, -0.015	
		0-71	120 ppb	-0.104	-0.173, -0.036	0.008
			70 ppb	-0.078	-0.145, -0.011	
		0-95	120 ppb	-0.107	-0.175, -0.040	0.004
			70 ppb	-0.091	-0.158, -0.025	
	Ambient CO (ppm)	0	120 ppb	-0.090	-0.162, -0.018	0.035
			70 ppb	-0.071	-0.143, 0.000	
		0-2	120 ppb	-0.090	-0.163, -0.017	0.047
			70 ppb	-0.064	-0.138, 0.009	
		0-11	120 ppb	-0.111	-0.180, -0.042	0.005
			70 ppb	-0.080	-0.149, -0.011	
		0-23	120 ppb	-0.116	-0.185, -0.047	0.003
			70 ppb	-0.083	-0.151, -0.014	
		0-47	120 ppb	-0.117	-0.186, -0.048	0.003
			70 ppb	-0.081	-0.149, -0.012	
		0-71	120 ppb	-0.115	-0.185, -0.046	0.004
			70 ppb	-0.079	-0.147, -0.011	
		0-95	120 ppb	-0.122	-0.191, -0.053	0.002
			70 ppb	-0.082	-0.150, -0.014	
	Ambient NO_2 (ppb)	0	120 ppb	-0.096	-0.166, -0.026	0.026
			70 ppb	-0.054	-0.123, 0.015	
		0-2	120 ppb	-0.099	-0.170, -0.028	0.025
			70 ppb	-0.048	-0.119, 0.023	
		0-11	120 ppb	-0.123	-0.192, -0.054	0.002

			70 ppb	-0.082	-0.150, -0.014	
		0-23	120 ppb	-0.126	-0.195, -0.058	0.001
			70 ppb	-0.079	-0.147, -0.012	
		0-47	120 ppb	-0.127	-0.196, -0.059	0.001
			70 ppb	-0.079	-0.146, -0.011	
		0-71	120 ppb	-0.124	-0.193, -0.056	0.002
			70 ppb	-0.080	-0.147, -0.013	
		0-95	120 ppb	-0.131	-0.199, -0.063	0.001
			70 ppb	-0.083	-0.150, -0.016	
	Ambient SO_2 (ppb)	0	120 ppb	-0.062	-0.148, 0.025	0.339
			70 ppb	-0.048	-0.137, 0.041	
		0-2	120 ppb	-0.067	-0.154, 0.019	0.288
			70 ppb	-0.049	-0.139, 0.040	
		0-11	120 ppb	-0.102	-0.182, -0.022	0.041
			70 ppb	-0.067	-0.148, 0.014	
		0-23	120 ppb	-0.103	-0.182, -0.025	0.032
			70 ppb	-0.070	-0.149, 0.009	
		0-47	120 ppb	-0.106	-0.185, -0.027	0.030
			70 ppb	-0.066	-0.144, 0.013	
		0-71	120 ppb	-0.102	-0.181, -0.023	0.038
			70 ppb	-0.063	-0.141, 0.015	
		0-95	120 ppb	-0.108	-0.187, -0.030	0.025
			70 ppb	-0.064	-0.142, 0.014	
Endothelin-1 (pg/mL)	MOSES 1 Main Effect		120 ppb	0.07	0.01, 0.14	0.008
			70 ppb	-0.03	-0.09, 0.04	
	PES O_3 (ppb)	0-71	120 ppb	0.09	0.02, 0.15	0.006
			70 ppb	-0.01	-0.07, 0.06	
	PES NO_2 (ppb)	0-71	120 ppb	0.08	0.02, 0.15	0.008
			70 ppb	-0.01	-0.08, 0.05	
	Ambient O_3 (ppb)	0	120 ppb	0.07	0.01, 0.14	0.004
			70 ppb	-0.04	-0.11, 0.02	
		0-2	120 ppb	0.05	-0.02, 0.12	0.015
			70 ppb	-0.05	-0.12, 0.02	
		0-11	120 ppb	0.09	0.02, 0.16	0.001
			70 ppb	-0.03	-0.10, 0.04	
		0-23	120 ppb	0.09	0.02, 0.16	0.002
			70 ppb	-0.03	-0.09, 0.04	
		0-47	120 ppb	0.09	0.02, 0.15	0.002
			70 ppb	-0.02	-0.09, 0.04	
		0-71	120 ppb	0.09	0.02, 0.15	0.001
			70 ppb	-0.03	-0.10, 0.03	
		0-95	120 ppb	0.09	0.03, 0.16	<0.001
			70 ppb	-0.04	-0.10, 0.03	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.06	-0.01, 0.13	0.013
			70 ppb	-0.04	-0.11, 0.03	
		0-2	120 ppb	0.06	-0.01, 0.13	0.059
			70 ppb	-0.02	-0.09, 0.05	
		0-11	120 ppb	0.07	0.01, 0.14	0.005

		70 ppb	-0.04	-0.10, 0.03	
	0-23	120 ppb	0.07	0.00, 0.14	0.019
		70 ppb	-0.02	-0.09, 0.04	
	0-47	120 ppb	0.07	0.01, 0.14	0.014
		70 ppb	-0.02	-0.09, 0.04	
	0-71	120 ppb	0.08	0.01, 0.15	0.008
		70 ppb	-0.02	-0.09, 0.05	
	0-95	120 ppb	0.07	0.01, 0.14	0.012
		70 ppb	-0.02	-0.09, 0.05	
Ambient CO (ppm)	0	120 ppb	0.07	0.00, 0.13	0.003
		70 ppb	-0.05	-0.12, 0.02	
	0-2	120 ppb	0.06	-0.01, 0.13	0.008
		70 ppb	-0.05	-0.11, 0.02	
	0-11	120 ppb	0.08	0.01, 0.15	0.001
		70 ppb	-0.05	-0.11, 0.02	
	0-23	120 ppb	0.08	0.01, 0.14	0.003
		70 ppb	-0.04	-0.11, 0.03	
	0-47	120 ppb	0.07	0.01, 0.14	0.003
		70 ppb	-0.04	-0.11, 0.03	
	0-71	120 ppb	0.07	0.01, 0.14	0.003
		70 ppb	-0.04	-0.11, 0.03	
	0-95	120 ppb	0.08	0.01, 0.15	0.001
		70 ppb	-0.05	-0.12, 0.02	
Ambient NO_2 (ppb)	0	120 ppb	0.07	0.01, 0.14	0.005
		70 ppb	-0.04	-0.11, 0.03	
	0-2	120 ppb	0.07	0.00, 0.14	0.012
		70 ppb	-0.04	-0.11, 0.03	
	0-11	120 ppb	0.09	0.02, 0.16	0.002
		70 ppb	-0.03	-0.10, 0.04	
	0-23	120 ppb	0.09	0.02, 0.16	0.003
		70 ppb	-0.03	-0.09, 0.04	
	0-47	120 ppb	0.09	0.02, 0.15	0.003
		70 ppb	-0.03	-0.10, 0.04	
	0-71	120 ppb	0.09	0.02, 0.16	0.003
		70 ppb	-0.03	-0.09, 0.04	
	0-95	120 ppb	0.10	0.03, 0.16	0.001
		70 ppb	-0.03	-0.10, 0.04	
Ambient SO_2 (ppb)	0	120 ppb	0.03	-0.05, 0.11	0.027
		70 ppb	-0.08	-0.16, 0.00	
	0-2	120 ppb	0.03	-0.05, 0.11	0.048
		70 ppb	-0.07	-0.15, 0.01	
	0-11	120 ppb	0.05	-0.03, 0.13	0.015
		70 ppb	-0.07	-0.15, 0.01	
	0-23	120 ppb	0.05	-0.03, 0.13	0.008
		70 ppb	-0.08	-0.15, 0.00	
	0-47	120 ppb	0.05	-0.03, 0.13	0.003
		70 ppb	-0.09	-0.17, -0.01	
	0-71	120 ppb	0.04	-0.04, 0.12	0.005
		70 ppb	-0.09	-0.16, -0.01	

		0-95	120 ppb	0.06	-0.02, 0.14	0.001
			70 ppb	-0.10	-0.17, -0.01	
Ln of Endothelin-1 (pg/mL)	PES O_3 (ppb)	0-71	120 ppb	0.064	0.009, 0.119	0.006
			70 ppb	-0.021	-0.075, 0.033	
	PES NO_2 (ppb)	0-71	120 ppb	0.061	0.007, 0.116	0.007
			70 ppb	-0.023	-0.077, 0.032	
	Ambient O_3 (ppb)	0	120 ppb	0.047	-0.010, 0.104	0.003
			70 ppb	-0.056	-0.112, 0.001	
		0-2	120 ppb	0.028	-0.031, 0.087	0.008
			70 ppb	-0.063	-0.120, -0.005	
		0-11	120 ppb	0.068	0.012, 0.123	0.001
			70 ppb	-0.043	-0.098, 0.012	
		0-23	120 ppb	0.065	0.010, 0.121	0.001
			70 ppb	-0.040	-0.095, 0.015	
		0-47	120 ppb	0.064	0.008, 0.120	0.001
			70 ppb	-0.038	-0.092, 0.017	
		0-71	120 ppb	0.065	0.009, 0.120	0.001
			70 ppb	-0.042	-0.096, 0.013	
		0-95	120 ppb	0.066	0.011, 0.121	<0.001
			70 ppb	-0.047	-0.101, 0.007	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.042	-0.016, 0.100	0.006
			70 ppb	-0.052	-0.109, 0.006	
		0-2	120 ppb	0.036	-0.022, 0.094	0.045
			70 ppb	-0.038	-0.096, 0.021	
		0-11	120 ppb	0.050	-0.007, 0.107	0.003
			70 ppb	-0.049	-0.104, 0.007	
		0-23	120 ppb	0.048	-0.009, 0.105	0.012
			70 ppb	-0.037	-0.093, 0.018	
		0-47	120 ppb	0.051	-0.007, 0.109	0.009
			70 ppb	-0.037	-0.093, 0.019	
		0-71	120 ppb	0.056	-0.001, 0.113	0.005
			70 ppb	-0.036	-0.092, 0.020	
		0-95	120 ppb	0.051	-0.006, 0.109	0.007
			70 ppb	-0.038	-0.094, 0.019	
	Ambient CO (ppm)	0	120 ppb	0.043	-0.013, 0.099	0.003
			70 ppb	-0.055	-0.112, 0.001	
		0-2	120 ppb	0.038	-0.019, 0.095	0.010
			70 ppb	-0.050	-0.107, 0.008	
		0-11	120 ppb	0.057	0.000, 0.113	0.001
			70 ppb	-0.051	-0.108, 0.005	
		0-23	120 ppb	0.054	-0.003, 0.111	0.002
			70 ppb	-0.046	-0.103, 0.010	
		0-47	120 ppb	0.052	-0.005, 0.109	0.002
			70 ppb	-0.047	-0.104, 0.009	
		0-71	120 ppb	0.052	-0.005, 0.109	0.002
			70 ppb	-0.049	-0.105, 0.007	
		0-95	120 ppb	0.057	0.000, 0.113	<0.001
			70 ppb	-0.057	-0.113, -0.002	

	Ambient NO_2 (ppb)	0	120 ppb	0.049	-0.010, 0.108	0.005
			70 ppb	-0.050	-0.109, 0.008	
		0-2	120 ppb	0.041	-0.018, 0.101	0.015
			70 ppb	-0.047	-0.106, 0.013	
		0-11	120 ppb	0.067	0.009, 0.126	0.001
			70 ppb	-0.042	-0.100, 0.016	
		0-23	120 ppb	0.063	0.005, 0.121	0.002
			70 ppb	-0.040	-0.097, 0.017	
		0-47	120 ppb	0.062	0.004, 0.121	0.002
			70 ppb	-0.041	-0.098, 0.016	
		0-71	120 ppb	0.065	0.006, 0.123	0.001
			70 ppb	-0.040	-0.098, 0.017	
		0-95	120 ppb	0.071	0.013, 0.129	<0.001
			70 ppb	-0.042	-0.099, 0.014	
	Ambient SO_2 (ppb)	0	120 ppb	0.017	-0.051, 0.086	0.022
			70 ppb	-0.077	-0.147, -0.007	
		0-2	120 ppb	0.013	-0.054, 0.081	0.043
			70 ppb	-0.071	-0.140, -0.001	
		0-11	120 ppb	0.028	-0.040, 0.097	0.014
			70 ppb	-0.073	-0.142, -0.003	
		0-23	120 ppb	0.028	-0.040, 0.096	0.009
			70 ppb	-0.076	-0.144, -0.008	
		0-47	120 ppb	0.027	-0.042, 0.097	0.003
			70 ppb	-0.087	-0.156, -0.018	
		0-71	120 ppb	0.027	-0.042, 0.096	0.004
			70 ppb	-0.086	-0.154, -0.017	
		0-95	120 ppb	0.038	-0.031, 0.106	0.001
			70 ppb	-0.088	-0.156, -0.020	

Additional Materials 1, Table 2. Controlled ozone effects on cardiovascular and pulmonary biomarkers (24-hour biomarkers), after adjustment for ambient and PES pollutants in the 96 hours before the pre-exposure visit

Outcome	Pollutant	Lag Hours	Ozone (ppb)	Differences in Estimates	95% CI	Type II SS p-value
RMSSD (24hr) (ms)	PES O_3 (ppb)	0-71	120 ppb	-0.7	-2.8, 1.4	0.820
			70 ppb	-0.2	-2.3, 1.9	
	PES NO_2 (ppb)	0-71	120 ppb	-0.5	-2.6, 1.6	0.876
			70 ppb	-0.2	-2.3, 2.0	
	Ambient O_3 (ppb)	0	120 ppb	-0.7	-2.7, 1.3	0.605
			70 ppb	-1.0	-3.0, 1.0	
		0-2	120 ppb	-0.5	-2.6, 1.6	0.682
			70 ppb	-0.9	-3.0, 1.2	
		0-11	120 ppb	-0.6	-2.5, 1.4	0.484
			70 ppb	-1.2	-3.1, 0.8	
		0-23	120 ppb	-0.6	-2.5, 1.3	0.483
			70 ppb	-1.2	-3.1, 0.7	
		0-47	120 ppb	-0.6	-2.5, 1.3	0.498
			70 ppb	-1.1	-3.0, 0.8	
		0-71	120 ppb	-0.6	-2.5, 1.3	0.433
			70 ppb	-1.2	-3.1, 0.6	
		0-95	120 ppb	-0.7	-2.6, 1.1	0.419
			70 ppb	-1.2	-3.1, 0.6	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.5	-2.5, 1.5	0.585
			70 ppb	-1.1	-3.1, 1.0	
		0-2	120 ppb	-0.5	-2.5, 1.6	0.770
			70 ppb	-0.8	-2.9, 1.3	
		0-11	120 ppb	-0.6	-2.6, 1.4	0.416
			70 ppb	-1.3	-3.3, 0.7	
		0-23	120 ppb	-0.7	-2.7, 1.3	0.468
			70 ppb	-1.2	-3.2, 0.7	
		0-47	120 ppb	-0.7	-2.8, 1.3	0.445
			70 ppb	-1.3	-3.2, 0.7	
		0-71	120 ppb	-0.9	-2.8, 1.1	0.400
			70 ppb	-1.3	-3.3, 0.6	
		0-95	120 ppb	-0.7	-2.7, 1.3	0.533
			70 ppb	-1.1	-3.1, 0.9	
	Ambient CO (ppm)	0	120 ppb	-1.0	-3.0, 1.0	0.330
			70 ppb	-1.5	-3.5, 0.5	
		0-2	120 ppb	-1.3	-3.3, 0.7	0.242
			70 ppb	-1.6	-3.7, 0.4	
		0-11	120 ppb	-0.8	-2.8, 1.1	0.390
			70 ppb	-1.4	-3.4, 0.6	
		0-23	120 ppb	-0.8	-2.8, 1.2	0.407
			70 ppb	-1.3	-3.3, 0.6	

		0-47	120 ppb	-0.9	-2.8, 1.1	0.394
			70 ppb	-1.3	-3.3, 0.6	
		0-71	120 ppb	-0.9	-2.8, 1.1	0.364
			70 ppb	-1.4	-3.3, 0.6	
		0-95	120 ppb	-1.0	-2.9, 0.9	0.343
			70 ppb	-1.4	-3.3, 0.5	
	Ambient NO_2 (ppb)	0	120 ppb	-0.8	-2.9, 1.3	0.431
			70 ppb	-1.4	-3.5, 0.7	
		0-2	120 ppb	-1.0	-3.2, 1.1	0.342
			70 ppb	-1.6	-3.7, 0.6	
		0-11	120 ppb	-0.6	-2.7, 1.4	0.434
			70 ppb	-1.3	-3.4, 0.7	
		0-23	120 ppb	-0.6	-2.6, 1.4	0.436
			70 ppb	-1.3	-3.3, 0.7	
		0-47	120 ppb	-0.6	-2.6, 1.4	0.431
			70 ppb	-1.3	-3.3, 0.7	
		0-71	120 ppb	-0.5	-2.5, 1.5	0.447
			70 ppb	-1.3	-3.3, 0.7	
		0-95	120 ppb	-0.5	-2.6, 1.5	0.525
			70 ppb	-1.1	-3.1, 0.8	
	Ambient SO_2 (ppb)	0	120 ppb	-1.4	-3.8, 1.0	0.465
			70 ppb	-1.2	-3.6, 1.3	
		0-2	120 ppb	-1.5	-3.9, 0.8	0.430
			70 ppb	-1.0	-3.5, 1.4	
		0-11	120 ppb	-1.4	-3.7, 0.9	0.456
			70 ppb	-1.1	-3.5, 1.3	
		0-23	120 ppb	-1.6	-3.9, 0.7	0.379
			70 ppb	-1.1	-3.5, 1.2	
		0-47	120 ppb	-1.4	-3.8, 0.9	0.420
			70 ppb	-1.2	-3.6, 1.1	
		0-71	120 ppb	-1.4	-3.7, 0.9	0.429
			70 ppb	-1.2	-3.5, 1.1	
		0-95	120 ppb	-1.4	-3.7, 0.8	0.414
			70 ppb	-1.2	-3.4, 1.1	
Ln of RMSSD (ms)	MOSES 1 Main Effect		120 ppb	-0.012	-0.071, 0.046	0.811
			70 ppb	0.006	-0.052, 0.064	
	PES O_3 (ppb)	0-71	120 ppb	-0.018	-0.086, 0.049	0.726
			70 ppb	0.008	-0.059, 0.076	
	PES NO_2 (ppb)	0-71	120 ppb	-0.019	-0.086, 0.049	0.758
			70 ppb	0.005	-0.063, 0.073	
	Ambient O_3 (ppb)	0	120 ppb	-0.031	-0.098, 0.037	0.664
			70 ppb	-0.013	-0.081, 0.056	
		0-2	120 ppb	-0.026	-0.097, 0.045	0.761
			70 ppb	-0.008	-0.079, 0.062	
		0-11	120 ppb	-0.021	-0.088, 0.045	0.784
			70 ppb	-0.019	-0.086, 0.048	
		0-23	120 ppb	-0.019	-0.085, 0.047	0.802
			70 ppb	-0.019	-0.086, 0.047	

	0-47	120 ppb	-0.018	-0.084, 0.048	0.824
		70 ppb	-0.018	-0.083, 0.047	
	0-71	120 ppb	-0.018	-0.083, 0.048	0.789
		70 ppb	-0.021	-0.086, 0.044	
	0-95	120 ppb	-0.023	-0.087, 0.041	0.716
		70 ppb	-0.023	-0.086, 0.041	
Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-0.017	-0.086, 0.053	0.886
		70 ppb	-0.012	-0.083, 0.058	
	0-2	120 ppb	-0.016	-0.087, 0.054	0.869
		70 ppb	0.000	-0.073, 0.072	
	0-11	120 ppb	-0.021	-0.090, 0.049	0.773
		70 ppb	-0.023	-0.092, 0.046	
	0-23	120 ppb	-0.022	-0.091, 0.046	0.764
		70 ppb	-0.021	-0.089, 0.046	
	0-47	120 ppb	-0.022	-0.091, 0.048	0.778
		70 ppb	-0.021	-0.089, 0.047	
	0-71	120 ppb	-0.025	-0.093, 0.044	0.735
		70 ppb	-0.022	-0.089, 0.045	
	0-95	120 ppb	-0.018	-0.086, 0.049	0.857
		70 ppb	-0.013	-0.080, 0.054	
Ambient CO (ppm)	0	120 ppb	-0.041	-0.109, 0.026	0.476
		70 ppb	-0.025	-0.093, 0.043	
	0-2	120 ppb	-0.049	-0.117, 0.020	0.370
		70 ppb	-0.029	-0.098, 0.040	
	0-11	120 ppb	-0.030	-0.098, 0.037	0.644
		70 ppb	-0.025	-0.093, 0.043	
	0-23	120 ppb	-0.029	-0.097, 0.039	0.670
		70 ppb	-0.023	-0.091, 0.044	
	0-47	120 ppb	-0.031	-0.099, 0.037	0.642
		70 ppb	-0.024	-0.091, 0.044	
	0-71	120 ppb	-0.032	-0.099, 0.036	0.619
		70 ppb	-0.026	-0.093, 0.042	
	0-95	120 ppb	-0.038	-0.104, 0.029	0.519
		70 ppb	-0.027	-0.092, 0.039	
Ambient NO_2 (ppb)	0	120 ppb	-0.029	-0.099, 0.041	0.692
		70 ppb	-0.022	-0.092, 0.048	
	0-2	120 ppb	-0.037	-0.108, 0.034	0.568
		70 ppb	-0.028	-0.099, 0.044	
	0-11	120 ppb	-0.023	-0.091, 0.045	0.734
		70 ppb	-0.024	-0.091, 0.044	
	0-23	120 ppb	-0.020	-0.087, 0.048	0.763
		70 ppb	-0.023	-0.090, 0.044	
	0-47	120 ppb	-0.020	-0.087, 0.048	0.757
		70 ppb	-0.024	-0.090, 0.043	
	0-71	120 ppb	-0.016	-0.083, 0.052	0.795
		70 ppb	-0.022	-0.088, 0.044	
	0-95	120 ppb	-0.017	-0.084, 0.050	0.837
		70 ppb	-0.017	-0.083, 0.048	
	0	120 ppb	-0.048	-0.129, 0.032	0.480

	Ambient SO_2 (ppb)		70 ppb	-0.017	-0.100, 0.067	
		0-2	120 ppb	-0.050	-0.130, 0.029	0.427
			70 ppb	-0.012	-0.094, 0.071	
		0-11	120 ppb	-0.048	-0.128, 0.032	0.497
			70 ppb	-0.022	-0.103, 0.059	
		0-23	120 ppb	-0.053	-0.133, 0.026	0.413
			70 ppb	-0.029	-0.109, 0.051	
		0-47	120 ppb	-0.053	-0.132, 0.026	0.419
			70 ppb	-0.029	-0.109, 0.051	
		0-71	120 ppb	-0.051	-0.129, 0.027	0.435
			70 ppb	-0.029	-0.107, 0.050	
		0-95	120 ppb	-0.053	-0.130, 0.024	0.401
			70 ppb	-0.026	-0.103, 0.051	
ST in V5 (24 hr) (µV)	MOSES 1 Main Effect		120 ppb	0.3	-2.3, 2.9	0.491
			70 ppb	-1.2	-3.7, 1.4	
	PES O_3 (ppb)	0-71	120 ppb	0.0	-2.9, 2.8	0.222
			70 ppb	-2.2	-5.0, 0.7	
	PES NO_2 (ppb)	0-71	120 ppb	0.1	-2.7, 2.9	0.269
			70 ppb	-2.0	-4.8, 0.9	
	Ambient O_3 (ppb)	0	120 ppb	0.3	-2.7, 3.4	0.303
			70 ppb	-2.0	-5.1, 1.1	
		0-2	120 ppb	0.6	-2.6, 3.8	0.213
			70 ppb	-2.2	-5.4, 1.0	
		0-11	120 ppb	0.1	-2.8, 3.1	0.272
			70 ppb	-2.0	-5.0, 0.9	
		0-23	120 ppb	0.5	-2.4, 3.5	0.157
			70 ppb	-2.2	-5.1, 0.8	
		0-47	120 ppb	0.4	-2.6, 3.4	0.270
			70 ppb	-1.9	-4.8, 1.1	
		0-71	120 ppb	0.4	-2.6, 3.4	0.307
			70 ppb	-1.8	-4.7, 1.2	
		0-95	120 ppb	0.8	-2.1, 3.8	0.278
			70 ppb	-1.6	-4.5, 1.4	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.8	-2.2, 3.8	0.450
			70 ppb	-1.1	-4.1, 2.0	
		0-2	120 ppb	1.0	-2.0, 4.0	0.279
			70 ppb	-1.4	-4.5, 1.6	
		0-11	120 ppb	0.6	-2.3, 3.6	0.355
			70 ppb	-1.4	-4.3, 1.5	
		0-23	120 ppb	0.4	-2.5, 3.3	0.332
			70 ppb	-1.7	-4.5, 1.2	
		0-47	120 ppb	0.0	-2.9, 3.0	0.323
			70 ppb	-1.9	-4.7, 1.0	
		0-71	120 ppb	0.0	-2.9, 2.9	0.307
			70 ppb	-1.9	-4.7, 1.0	
		0-95	120 ppb	0.3	-2.7, 3.2	0.230
			70 ppb	-2.0	-4.9, 0.9	
		0	120 ppb	0.2	-2.9, 3.3	0.624

			70 ppb	-1.2	-4.4, 1.9	
		0-2	120 ppb	0.7	-2.5, 3.8	0.474
			70 ppb	-1.3	-4.4, 1.9	
		0-11	120 ppb	0.3	-2.7, 3.4	0.515
			70 ppb	-1.4	-4.4, 1.7	
		0-23	120 ppb	0.4	-2.7, 3.4	0.457
			70 ppb	-1.4	-4.5, 1.6	
	Ambient CO (ppm)	0-47	120 ppb	0.2	-2.9, 3.2	0.427
			70 ppb	-1.6	-4.7, 1.4	
		0-71	120 ppb	0.1	-3.0, 3.2	0.450
			70 ppb	-1.6	-4.7, 1.4	
		0-95	120 ppb	0.3	-2.8, 3.4	0.468
			70 ppb	-1.5	-4.6, 1.6	
		0	120 ppb	-0.3	-3.6, 2.9	0.618
			70 ppb	-1.5	-4.8, 1.7	
		0-2	120 ppb	0.2	-3.0, 3.5	0.517
			70 ppb	-1.5	-4.8, 1.8	
		0-11	120 ppb	0.1	-3.1, 3.2	0.467
			70 ppb	-1.7	-4.8, 1.5	
	Ambient NO_2 (ppb)	0-23	120 ppb	0.2	-2.9, 3.4	0.345
			70 ppb	-1.9	-5.0, 1.2	
		0-47	120 ppb	0.1	-3.0, 3.2	0.362
			70 ppb	-1.9	-5.0, 1.2	
		0-71	120 ppb	0.3	-2.9, 3.5	0.325
			70 ppb	-1.9	-5.0, 1.2	
		0-95	120 ppb	0.2	-2.9, 3.4	0.306
			70 ppb	-2.0	-5.2, 1.1	
		0	120 ppb	-0.6	-4.4, 3.2	0.445
			70 ppb	-2.4	-6.4, 1.5	
		0-2	120 ppb	-0.1	-3.8, 3.6	0.319
			70 ppb	-2.6	-6.5, 1.2	
		0-11	120 ppb	-0.7	-4.5, 3.1	0.274
			70 ppb	-3.0	-6.9, 0.9	
	Ambient SO_2 (ppb)	0-23	120 ppb	-0.7	-4.4, 3.0	0.288
			70 ppb	-2.9	-6.6, 0.9	
		0-47	120 ppb	-0.5	-4.2, 3.1	0.232
			70 ppb	-3.0	-6.7, 0.7	
		0-71	120 ppb	-0.4	-4.2, 3.3	0.239
			70 ppb	-3.0	-6.7, 0.8	
		0-95	120 ppb	-0.4	-4.2, 3.3	0.264
			70 ppb	-2.9	-6.6, 0.9	
Ln of ST in V5 (24 hr) (µV)	PES O_3 (ppb)	0-71	120 ppb	0.080	-0.120, 0.281	0.694
			70 ppb	0.015	-0.193, 0.223	
	PES NO_2 (ppb)	0-71	120 ppb	0.091	-0.107, 0.289	0.639
			70 ppb	0.025	-0.184, 0.234	
	Ambient O_3 (ppb)	0	120 ppb	0.122	-0.097, 0.340	0.477
			70 ppb	0.008	-0.233, 0.249	
		0-2	120 ppb	0.128	-0.116, 0.372	0.463

			70 ppb	-0.009	-0.265, 0.247	
		0-11	120 ppb	0.116	-0.093, 0.326	0.512
			70 ppb	0.025	-0.200, 0.251	
		0-23	120 ppb	0.115	-0.092, 0.322	0.491
			70 ppb	0.016	-0.203, 0.236	
		0-47	120 ppb	0.110	-0.096, 0.316	0.561
			70 ppb	0.039	-0.177, 0.255	
		0-71	120 ppb	0.114	-0.093, 0.321	0.543
			70 ppb	0.044	-0.174, 0.261	
		0-95	120 ppb	0.123	-0.080, 0.327	0.476
			70 ppb	0.045	-0.169, 0.259	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.154	-0.061, 0.370	0.365
			70 ppb	0.076	-0.163, 0.315	
		0-2	120 ppb	0.176	-0.049, 0.402	0.291
			70 ppb	0.069	-0.178, 0.317	
		0-11	120 ppb	0.144	-0.077, 0.364	0.420
			70 ppb	0.052	-0.184, 0.287	
		0-23	120 ppb	0.127	-0.091, 0.344	0.505
			70 ppb	0.049	-0.179, 0.276	
		0-47	120 ppb	0.118	-0.103, 0.340	0.563
			70 ppb	0.046	-0.183, 0.275	
		0-71	120 ppb	0.133	-0.084, 0.349	0.467
			70 ppb	0.050	-0.178, 0.278	
		0-95	120 ppb	0.134	-0.082, 0.349	0.420
			70 ppb	0.027	-0.204, 0.257	
	Ambient CO (ppm)	0	120 ppb	0.144	-0.077, 0.364	0.430
			70 ppb	0.062	-0.174, 0.297	
		0-2	120 ppb	0.173	-0.055, 0.400	0.319
			70 ppb	0.074	-0.168, 0.316	
		0-11	120 ppb	0.156	-0.067, 0.378	0.380
			70 ppb	0.076	-0.160, 0.312	
		0-23	120 ppb	0.136	-0.083, 0.355	0.468
			70 ppb	0.067	-0.164, 0.298	
		0-47	120 ppb	0.114	-0.107, 0.334	0.592
			70 ppb	0.055	-0.176, 0.286	
		0-71	120 ppb	0.108	-0.113, 0.330	0.620
			70 ppb	0.046	-0.185, 0.277	
		0-95	120 ppb	0.108	-0.113, 0.329	0.614
			70 ppb	0.041	-0.189, 0.270	
	Ambient NO_2 (ppb)	0	120 ppb	0.117	-0.101, 0.334	0.556
			70 ppb	0.084	-0.154, 0.321	
		0-2	120 ppb	0.146	-0.079, 0.371	0.437
			70 ppb	0.090	-0.153, 0.332	
		0-11	120 ppb	0.115	-0.097, 0.328	0.529
			70 ppb	0.029	-0.199, 0.256	
		0-23	120 ppb	0.101	-0.106, 0.309	0.584
			70 ppb	0.020	-0.200, 0.240	
		0-47	120 ppb	0.078	-0.130, 0.286	0.718
			70 ppb	0.012	-0.208, 0.232	

		0-71	120 ppb	0.083	-0.130, 0.296	0.685
			70 ppb	0.005	-0.218, 0.229	
		0-95	120 ppb	0.078	-0.138, 0.293	0.682
			70 ppb	-0.009	-0.236, 0.218	
	Ambient SO_2 (ppb)	0	120 ppb	0.059	-0.179, 0.298	0.519
			70 ppb	-0.089	-0.348, 0.170	
		0-2	120 ppb	0.072	-0.165, 0.308	0.425
			70 ppb	-0.097	-0.355, 0.160	
		0-11	120 ppb	0.034	-0.197, 0.266	0.578
			70 ppb	-0.095	-0.346, 0.155	
		0-23	120 ppb	0.037	-0.202, 0.276	0.723
			70 ppb	-0.067	-0.325, 0.191	
		0-47	120 ppb	0.076	-0.166, 0.317	0.547
			70 ppb	-0.065	-0.325, 0.195	
		0-71	120 ppb	0.078	-0.166, 0.322	0.501
			70 ppb	-0.073	-0.334, 0.187	
		0-95	120 ppb	0.070	-0.175, 0.316	0.529
			70 ppb	-0.077	-0.340, 0.186	
T-wave amplitude (24 hr) (μV)	MOSES 1 Main Effect		120 ppb	-4.3	-20.3, 11.7	0.477
			70 ppb	-9.8	-25.7, 6.1	
	PES O_3 (ppb)	0-71	120 ppb	-70.2	-297.7, 157.4	0.418
			70 ppb	-152.1	-379.4, 75.2	
	PES NO_2 (ppb)	0-71	120 ppb	-43.7	-269.4, 182.0	0.616
			70 ppb	-112.7	-341.1, 115.6	
	Ambient O_3 (ppb)	0	120 ppb	-12.7	-263.5, 2380.0	0.464
			70 ppb	-147.8	-402.6, 106.9	
		0-2	120 ppb	-35.8	-305.1, 233.4	0.443
			70 ppb	-164.9	-431.3, 101.6	
		0-11	120 ppb	-45.7	-288.9, 197.4	0.471
			70 ppb	-148.4	-392.3, 95.5	
		0-23	120 ppb	-40.2	-280.5, 200.1	0.427
			70 ppb	-153.4	-394.0, 87.1	
		0-47	120 ppb	-38.5	-280.1, 203.0	0.526
			70 ppb	-133.3	-373.0, 106.3	
		0-71	120 ppb	-41.8	-282.7, 199.1	0.533
			70 ppb	-132.5	-371.3, 106.3	
		0-95	120 ppb	-23.6	-262.8, 215.5	0.590
			70 ppb	-116.9	-353.9, 120.1	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	-38.1	-306.0, 229.9	0.560
			70 ppb	-141.2	-408.3, 125.8	
		0-2	120 ppb	-49.0	-324.4, 226.4	0.501
			70 ppb	-160.1	-435.5, 115.3	
		0-11	120 ppb	-14.1	-272.0, 243.7	0.685
			70 ppb	-104.6	-361.7, 152.6	
		0-23	120 ppb	-18.1	-270.6, 234.4	0.559
			70 ppb	-126.0	-376.3, 124.3	
		0-47	120 ppb	-19.1	-269.9, 231.7	0.577
			70 ppb	-121.9	-369.6, 125.8	

		0-71	120 ppb	-15.4	-267.2, 236.4	0.536
			70 ppb	-128.1	-3750.0, 118.8	
		0-95	120 ppb	-21.9	-204.5, 160.6	0.548
			70 ppb	-95.0	-276.4, 86.4	
	Ambient CO (ppm)	0	120 ppb	-31.3	-280.9, 218.2	0.530
			70 ppb	-137.4	-388.8, 113.9	
		0-2	120 ppb	-33.0	-290.7, 224.6	0.504
			70 ppb	-147.5	-408.2, 113.3	
		0-11	120 ppb	-8.8	-254.8, 237.3	0.651
			70 ppb	-104.0	-351.8, 143.8	
		0-23	120 ppb	-40.2	-280.5, 200.1	0.427
			70 ppb	-153.4	-394.0, 87.1	
		0-47	120 ppb	-38.5	-280.1, 203.0	0.526
			70 ppb	-133.3	-3730.0, 106.3	
		0-71	120 ppb	-24.4	-212.8, 164.1	0.472
			70 ppb	-110.3	-298.2, 77.5	
		0-95	120 ppb	-33.3	-222.8, 156.2	0.553
			70 ppb	-101.0	-288.2, 86.2	
	Ambient NO_2 (ppb)	0	120 ppb	-38.1	-306.0, 229.9	0.560
			70 ppb	-141.2	-408.3, 125.8	
		0-2	120 ppb	-49.0	-324.4, 226.4	0.501
			70 ppb	-160.1	-435.5, 115.3	
		0-11	120 ppb	-14.1	-272.0, 243.7	0.685
			70 ppb	-104.6	-361.7, 152.6	
		0-23	120 ppb	-18.1	-270.6, 234.4	0.559
			70 ppb	-126.0	-376.3, 124.3	
		0-47	120 ppb	-19.1	-269.9, 231.7	0.577
			70 ppb	-121.9	-369.6, 125.8	
		0-71	120 ppb	-15.4	-267.2, 236.4	0.536
			70 ppb	-128.1	-375.0, 118.8	
		0-95	120 ppb	-37.4	-287.9, 213.1	0.499
			70 ppb	-142.9	-390.6, 104.9	
	Ambient SO_2 (ppb)	0	120 ppb	-38.1	-306.0, 229.9	0.560
			70 ppb	-141.2	-408.3, 125.8	
		0-2	120 ppb	-39.2	-264.4, 186.0	0.155
			70 ppb	-216.0	-448.7, 16.8	
		0-11	120 ppb	-46.5	-330.7, 237.7	0.391
			70 ppb	-191.8	-481.0, 97.4	
		0-23	120 ppb	-63.1	-281.1, 155.0	0.216
			70 ppb	-191.9	-411.7, 27.8	
		0-47	120 ppb	-19.1	-269.9, 231.7	0.577
			70 ppb	-121.9	-369.6, 125.8	
		0-71	120 ppb	-15.4	-267.2, 236.4	0.536
			70 ppb	-128.1	-375.0, 118.8	
		0-95	120 ppb	-41.9	-265.1, 181.2	0.146
			70 ppb	-211.1	-435.0, 12.7	
Ln of T-wave amplitude	PES O_3 (ppb)	0-71	120 ppb	-0.012	-0.040, 0.017	0.390
			70 ppb	-0.020	-0.048, 0.009	

(24 hr) (µV)	PES NO_2 (ppb)	0-71	120 ppb	-0.008	-0.036, 0.020	0.587
			70 ppb	-0.015	-0.043, 0.014	
	Ambient O_3 (ppb)	0	120 ppb	-0.002	-0.033, 0.029	0.458
			70 ppb	-0.019	-0.050, 0.013	
		0-2	120 ppb	-0.005	-0.038, 0.028	0.409
			70 ppb	-0.021	-0.054, 0.011	
		0-11	120 ppb	-0.007	-0.037, 0.023	0.469
			70 ppb	-0.019	-0.049, 0.012	
		0-23	120 ppb	-0.006	-0.036, 0.023	0.440
			70 ppb	-0.019	-0.049, 0.011	
		0-47	120 ppb	-0.006	-0.036, 0.024	0.511
			70 ppb	-0.017	-0.046, 0.012	
		0-71	120 ppb	-0.006	-0.036, 0.023	0.528
			70 ppb	-0.017	-0.046, 0.013	
		0-95	120 ppb	-0.004	-0.034, 0.025	0.593
			70 ppb	-0.015	-0.044, 0.014	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.001	-0.030, 0.032	0.464
			70 ppb	-0.017	-0.048, 0.015	
		0-2	120 ppb	-0.003	-0.035, 0.029	0.419
			70 ppb	-0.020	-0.053, 0.013	
		0-11	120 ppb	-0.002	-0.033, 0.028	0.468
			70 ppb	-0.017	-0.048, 0.013	
		0-23	120 ppb	-0.002	-0.033, 0.028	0.691
			70 ppb	-0.012	-0.042, 0.018	
		0-47	120 ppb	-0.007	-0.037, 0.024	0.621
			70 ppb	-0.015	-0.044, 0.015	
		0-71	120 ppb	-0.008	-0.038, 0.021	0.533
			70 ppb	-0.017	-0.046, 0.013	
		0-95	120 ppb	-0.005	-0.035, 0.025	0.651
			70 ppb	-0.014	-0.043, 0.016	
	Ambient CO (ppm)	0	120 ppb	-0.005	-0.035, 0.026	0.510
			70 ppb	-0.018	-0.048, 0.013	
		0-2	120 ppb	-0.005	-0.037, 0.027	0.469
			70 ppb	-0.019	-0.051, 0.013	
		0-11	120 ppb	-0.002	-0.032, 0.028	0.613
			70 ppb	-0.014	-0.044, 0.016	
		0-23	120 ppb	-0.002	-0.032, 0.028	0.644
			70 ppb	-0.013	-0.043, 0.017	
		0-47	120 ppb	-0.003	-0.032, 0.027	0.630
			70 ppb	-0.013	-0.043, 0.016	
		0-71	120 ppb	-0.004	-0.034, 0.025	0.611
			70 ppb	-0.014	-0.043, 0.015	
		0-95	120 ppb	-0.006	-0.035, 0.024	0.665
			70 ppb	-0.013	-0.042, 0.016	
	Ambient NO_2 (ppb)	0	120 ppb	-0.004	-0.036, 0.029	0.707
			70 ppb	-0.013	-0.046, 0.019	
		0-2	120 ppb	-0.005	-0.039, 0.028	0.631
			70 ppb	-0.016	-0.050, 0.018	

		0-11	120 ppb	-0.001	-0.033, 0.030	0.812
			70 ppb	-0.009	-0.041, 0.022	
		0-23	120 ppb	-0.003	-0.033, 0.028	0.676
			70 ppb	-0.013	-0.044, 0.018	
		0-47	120 ppb	-0.003	-0.034, 0.027	0.696
			70 ppb	-0.012	-0.043, 0.018	
		0-71	120 ppb	-0.003	-0.033, 0.028	0.665
			70 ppb	-0.013	-0.043, 0.017	
		0-95	120 ppb	-0.005	-0.036, 0.025	0.637
			70 ppb	-0.014	-0.045, 0.016	
	Ambient SO_2 (ppb)	0	120 ppb	-0.008	-0.043, 0.027	0.564
			70 ppb	-0.020	-0.056, 0.017	
		0-2	120 ppb	-0.008	-0.043, 0.027	0.517
			70 ppb	-0.021	-0.058, 0.015	
		0-11	120 ppb	-0.007	-0.042, 0.027	0.594
			70 ppb	-0.018	-0.053, 0.017	
		0-23	120 ppb	-0.012	-0.047, 0.022	0.466
			70 ppb	-0.022	-0.056, 0.013	
		0-47	120 ppb	-0.008	-0.043, 0.027	0.382
			70 ppb	-0.024	-0.060, 0.011	
		0-71	120 ppb	-0.009	-0.044, 0.027	0.371
			70 ppb	-0.025	-0.060, 0.011	
		0-95	120 ppb	-0.010	-0.045, 0.026	0.399
			70 ppb	-0.024	-0.059, 0.011	
PMN % of total	MOSES 1 Main Effect		120 ppb	8.2	2.8, 13.5	0.012
			70 ppb	4.1	-1.3, 9.4	
	PES O_3 (ppb)	0-71	120 ppb	8.3	2.4, 14.2	0.024
			70 ppb	4.0	-1.9, 9.9	
	PES NO_2 (ppb)	0-71	120 ppb	8.7	2.8, 14.7	0.018
			70 ppb	4.3	-1.7, 10.3	
	Ambient O_3 (ppb)	0	120 ppb	7.9	1.8, 14.0	0.035
			70 ppb	5.2	-1.1, 11.4	
		0-2	120 ppb	8.4	2.0, 14.8	0.039
			70 ppb	4.1	-2.3, 10.5	
		0-11	120 ppb	8.1	2.0, 14.3	0.036
			70 ppb	4.6	-1.5, 10.8	
		0-23	120 ppb	8.3	2.3, 14.3	0.026
			70 ppb	4.7	-1.4, 10.8	
		0-47	120 ppb	8.6	2.6, 14.5	0.020
			70 ppb	4.7	-1.3, 10.6	
		0-71	120 ppb	8.7	2.8, 14.7	0.018
			70 ppb	4.3	-1.6, 10.3	
		0-95	120 ppb	8.7	2.8, 14.6	0.017
			70 ppb	4.4	-1.5, 10.4	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	8.5	1.9, 15.1	0.041
			70 ppb	4.4	-2.2, 11.0	
		0-2	120 ppb	8.3	1.5, 15.1	0.060
			70 ppb	3.9	-3.1, 10.9	

	0-11	120 ppb	8.9	2.4, 15.5	0.029
		70 ppb	4.6	-1.8, 11.1	
	0-23	120 ppb	9.1	2.7, 15.5	0.022
		70 ppb	5.3	-1.1, 11.6	
	0-47	120 ppb	9.3	3.0, 15.7	0.018
		70 ppb	5.2	-1.1, 11.5	
	0-71	120 ppb	9.2	2.8, 15.5	0.020
		70 ppb	4.9	-1.5, 11.2	
	0-95	120 ppb	8.3	1.9, 14.6	0.040
		70 ppb	4.3	-20.0, 10.7	
Ambient CO (ppm)	0	120 ppb	8.5	2.2, 14.7	0.032
		70 ppb	4.6	-1.6, 10.8	
	0-2	120 ppb	8.3	2.0, 14.6	0.035
		70 ppb	3.7	-2.6, 10.1	
	0-11	120 ppb	8.5	2.3, 14.7	0.027
		70 ppb	5.1	-1.0, 11.2	
	0-23	120 ppb	8.7	2.6, 14.8	0.022
		70 ppb	5.1	-0.9, 11.2	
	0-47	120 ppb	9.1	30.0, 15.2	0.016
		70 ppb	5.1	-0.9, 11.1	
	0-71	120 ppb	9.1	2.9, 15.2	0.017
		70 ppb	4.8	-1.2, 10.9	
	0-95	120 ppb	8.6	2.4, 14.8	0.025
		70 ppb	4.9	-1.1, 11.0	
Ambient NO_2 (ppb)	0	120 ppb	7.1	0.5, 13.7	0.099
		70 ppb	4.4	-2.2, 11.1	
	0-2	120 ppb	7.2	0.6, 13.7	0.098
		70 ppb	3.8	-2.9, 10.4	
	0-11	120 ppb	6.4	0.1, 12.6	0.119
		70 ppb	4.5	-1.7, 10.8	
	0-23	120 ppb	6.0	-0.1, 12.1	0.146
		70 ppb	3.9	-2.2, 10.1	
	0-47	120 ppb	6.5	0.3, 12.6	0.116
		70 ppb	3.9	-2.3, 10.0	
	0-71	120 ppb	7.0	0.7, 13.3	0.091
		70 ppb	3.6	-2.6, 9.8	
	0-95	120 ppb	6.7	0.4, 12.9	0.112
		70 ppb	3.3	-2.9, 9.6	
Ambient SO_2 (ppb)	0	120 ppb	8.2	-0.1, 16.5	0.126
		70 ppb	5.9	-2.6, 14.4	
	0-2	120 ppb	8.3	0.1, 16.5	0.115
		70 ppb	5.9	-2.6, 14.3	
	0-11	120 ppb	7.7	-0.2, 15.6	0.137
		70 ppb	5.5	-2.5, 13.4	
	0-23	120 ppb	8.9	1.1, 16.8	0.068
		70 ppb	6.3	-1.6, 14.1	
	0-47	120 ppb	9.7	1.9, 17.5	0.047
		70 ppb	6.4	-1.4, 14.2	
	0-71	120 ppb	10.0	2.0, 18.0	0.045

			70 ppb	6.3	-1.6, 14.2	
		0-95	120 ppb	9.2	1.2, 17.1	0.069
			70 ppb	5.9	-1.9, 13.8	
Ln of PMN % of total	PES O_3 (ppb)	0-71	120 ppb	0.187	0.048, 0.327	0.033
			70 ppb	0.092	-0.048, 0.232	
	PES NO_2 (ppb)	0-71	120 ppb	0.201	0.059, 0.342	0.022
			70 ppb	0.103	-0.042, 0.248	
	Ambient O_3 (ppb)	0	120 ppb	0.168	0.029, 0.306	0.057
			70 ppb	0.103	-0.039, 0.245	
		0-2	120 ppb	0.174	0.026, 0.321	0.070
			70 ppb	0.084	-0.064, 0.231	
		0-11	120 ppb	0.188	0.046, 0.330	0.035
			70 ppb	0.109	-0.034, 0.251	
		0-23	120 ppb	0.185	0.047, 0.324	0.032
			70 ppb	0.111	-0.029, 0.252	
		0-47	120 ppb	0.195	0.057, 0.333	0.023
			70 ppb	0.115	-0.024, 0.253	
		0-71	120 ppb	0.195	0.056, 0.333	0.024
			70 ppb	0.107	-0.032, 0.246	
		0-95	120 ppb	0.195	0.058, 0.331	0.021
			70 ppb	0.104	-0.032, 0.241	
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	120 ppb	0.177	0.026, 0.328	0.071
			70 ppb	0.088	-0.063, 0.239	
		0-2	120 ppb	0.163	0.010, 0.317	0.099
			70 ppb	0.053	-0.105, 0.210	
		0-11	120 ppb	0.195	0.045, 0.345	0.040
			70 ppb	0.102	-0.048, 0.251	
		0-23	120 ppb	0.198	0.049, 0.346	0.034
			70 ppb	0.121	-0.026, 0.268	
		0-47	120 ppb	0.208	0.059, 0.357	0.024
			70 ppb	0.124	-0.023, 0.272	
		0-71	120 ppb	0.204	0.056, 0.351	0.027
			70 ppb	0.118	-0.030, 0.266	
		0-95	120 ppb	0.183	0.036, 0.329	0.052
			70 ppb	0.101	-0.047, 0.249	
	Ambient CO (ppm)	0	120 ppb	0.189	0.046, 0.332	0.036
			70 ppb	0.106	-0.036, 0.248	
		0-2	120 ppb	0.184	0.040, 0.328	0.045
			70 ppb	0.091	-0.054, 0.237	
		0-11	120 ppb	0.196	0.053, 0.339	0.027
			70 ppb	0.124	-0.018, 0.266	
		0-23	120 ppb	0.197	0.055, 0.338	0.025
			70 ppb	0.124	-0.017, 0.266	
		0-47	120 ppb	0.207	0.066, 0.349	0.017
			70 ppb	0.127	-0.014, 0.268	
		0-71	120 ppb	0.205	0.062, 0.347	0.021
			70 ppb	0.119	-0.022, 0.261	
		0-95	120 ppb	0.196	0.054, 0.338	0.026

			70 ppb	0.115	-0.025, 0.254	
	Ambient NO_2 (ppb)	0	120 ppb	0.163	0.011, 0.315	0.103
			70 ppb	0.104	-0.049, 0.256	
		0-2	120 ppb	0.162	0.009, 0.315	0.114
			70 ppb	0.092	-0.064, 0.248	
		0-11	120 ppb	0.151	0.003, 0.299	0.124
			70 ppb	0.102	-0.047, 0.250	
		0-23	120 ppb	0.139	-0.005, 0.283	0.159
			70 ppb	0.091	-0.055, 0.237	
		0-47	120 ppb	0.152	0.007, 0.297	0.117
			70 ppb	0.093	-0.053, 0.239	
		0-71	120 ppb	0.161	0.013, 0.310	0.102
			70 ppb	0.087	-0.061, 0.234	
		0-95	120 ppb	0.157	0.010, 0.303	0.111
			70 ppb	0.076	-0.071, 0.223	
	Ambient SO_2 (ppb)	0	120 ppb	0.150	-0.036, 0.335	0.227
			70 ppb	0.121	-0.070, 0.312	
		0-2	120 ppb	0.151	-0.032, 0.333	0.217
			70 ppb	0.122	-0.069, 0.313	
		0-11	120 ppb	0.164	-0.018, 0.347	0.177
			70 ppb	0.123	-0.064, 0.310	
		0-23	120 ppb	0.195	0.010, 0.381	0.088
			70 ppb	0.157	-0.032, 0.346	
		0-47	120 ppb	0.218	0.031, 0.404	0.056
			70 ppb	0.168	-0.020, 0.356	
		0-71	120 ppb	0.221	0.031, 0.411	0.060
			70 ppb	0.162	-0.028, 0.352	
		0-95	120 ppb	0.207	0.020, 0.395	0.079
			70 ppb	0.148	-0.040, 0.335	

Additional Materials 1, Table 3. Aim 2 Primary Outcomes – Controlled ozone exposure effects on each primary outcome, by tertile of PES O_3, PES NO_2, or ambient pollutant concentration

				LOW			MEDIUM			HIGH			
Outcome	**Pollutant (lag hrs)**	**N**	**Ozone exposure (ppb)**	**Differ-ence**	**95% CI**		**Differ-ence**	**95% CI**		**Differ-ence**	**95% CI**		**Type III Inter-action p-value**
Heart Rate Variability													
Ln of HF (ms^2)	PES O_3 (0-71 hr)	661	120	-0.030	-0.398	0.337	0.364	-0.049	0.778	0.215	-0.166	0.595	0.035
			70	-0.189	-0.587	0.209	-0.130	-0.523	0.264	0.471	0.098	0.845	
			0	0	--	--	0	--	--	0	--	--	
	PES NO_2 (0-71 hr)	661	120	-0.033	-0.405	0.339	0.331	-0.074	0.736	0.326	-0.087	0.739	0.291
			70	0.245	-0.148	0.637	0.143	-0.242	0.527	0.01	-0.398	0.418	
			0	0	-	-	0	-	-	0	-	-	
	O_3 (0-95 hr)	631	120	0.557	0.083	1.031	0.133	-0.284	0.551	-0.056	-0.464	0.353	0.165
			70	-0.029	-0.437	0.379	0.257	-0.176	0.69	0.047	-0.376	0.471	
			0	0	-	-	0	-	-	0	-	-	
	$PM_{2.5}$ (0-95 hr)	611	120	0.24	-0.192	0.672	0.151	-0.317	0.618	0.26	-0.205	0.724	0.939
			70	0.122	-0.268	0.512	-0.072	-0.507	0.364	0.208	-0.254	0.67	
			0	0	-	-	0	-	-	0	-	-	
	CO (0-11 hr)	614	120	0.243	-0.191	0.678	-0.072	-0.473	0.33	0.653	0.193	1.112	0.111
			70	-0.11	-0.499	0.279	0.139	-0.294	0.572	0.377	-0.053	0.807	
			0	0	-	-	0	-	-	0	-	-	
	NO_2 0-72 hr	**594**	**120**	**0.543**	**0.089**	**0.996**	**-0.41**	**-0.826**	**0.007**	**0.551**	**0.099**	**1.002**	**0.004**
			70	**0.066**	**-0.347**	**0.478**	**0.134**	**-0.289**	**0.557**	**0.023**	**-0.44**	**0.486**	
			0	**0**	**-**	**-**	**0**	**-**	**-**	**0**	**-**	**-**	
	SO_2 (0-47 hr)	439	120	-0.079	-0.57	0.412	0.738	0.214	1.262	-0.016	-0.475	0.444	0.139
			70	0.019	-0.502	0.540	0.452	-0.025	0.928	-0.291	-0.779	0.197	
			0	0	-	-	0	-	-	0	-	-	
Ln of LF (ms^2)	PES O_3 (0-71 hr)	661	120	0.113	-0.235	0.462	0.252	-0.141	0.645	0.069	-0.292	0.430	0.415
			70	-0.036	-0.415	0.342	-0.183	-0.558	0.191	0.165	-0.189	0.519	
			0	0	--	--	0	--	--	0	--	--	
	PES NO_2 (0-71 hr)	661	120	-0.042	-0.396	0.311	0.137	-0.248	0.522	0.392	-0.001	0.785	0.302
			70	0.139	-0.234	0.512	-0.117	-0.483	0.248	0.104	-0.284	0.492	
			0	0	-	-	0	-	-	0	-	-	

	O_3 (0-2 hr)	**575**	**120** **70** **0**	**-0.15** **-0.573** **0**	**-0.57** **-1.008** **-**	**0.271** **-0.138** **-**	**-0.094** **0.483** **0**	**-0.558** **0.074** **-**	**0.371** **0.893** **-**	**0.437** **0.007** **0**	**0.051** **-0.358** **-**	**0.823** **0.373** **-**	**0.001**
	$PM_{2.5}$ (0-95 hr)	611	120 70 0	0.092 -0.242 0	-0.31 -0.605 -	0.495 0.121 -	0.502 0.105 0	0.063 -0.303 -	0.941 0.513 -	0.226 0.252 0	-0.21 -0.18 -	0.662 0.684 -	0.255
	CO 0-72 hr	**617**	**120** **70** **0**	**0.307** **-0.341** **0**	**-0.102** **-0.714** **-**	**0.717** **0.033** **-**	**-0.126** **-0.005** **0**	**-0.490** **-0.377** **-**	**0.237** **0.367** **-**	**0.551** **0.394** **0**	**0.154** **-0.027** **-**	**0.947** **0.814** **-**	**0.008**
	NO_2 (0-11 hr)	591	120 70 0	0.174 -0.272 0	-0.243 -0.655 -	0.59 0.111 -	0.08 -0.004 0	-0.328 -0.423 -	0.489 0.415 -	0.392 0.151 0	-0.025 -0.261 -	0.808 0.564 -	0.555
	SO_2 (0-95 hr)	436	120 70 0	0.071 -0.169 0	-0.385 -0.645 -	0.527 0.307 -	0.188 0.031 0	-0.312 -0.424 -	0.689 0.486 -	0.232 -0.368 0	-0.201 -0.831 -	0.666 0.095 -	0.705
Ln of RMSSD (24 hr) (ms)	PES O_3 (0-71 hr)	226	120 70 0	-0.023 -0.067 0	-0.146 -0.2 -	0.101 0.066 -	-0.052 0.03 0	-0.188 -0.101 -	0.084 0.161 -	0.02 0.041 0	-0.104 -0.082 -	0.145 0.164 -	0.650
	PES NO_2 (0-71 hr)	226	120 70 0	-0.01 0.086 0	-0.131 -0.041 -	0.111 0.213 -	-0.06 -0.053 0	-0.191 -0.179 -	0.071 0.074 -	0.001 -0.018 0	-0.134 -0.151 -	0.136 0.115 -	0.563
	O_3 (0-71 hr)	215	120 70 0	-0.047 -0.066 0	-0.186 -0.194 -	0.092 0.062 -	-0.008 -0.034 0	-0.13 -0.172 -	0.114 0.105 -	0.008 0.028 0	-0.118 -0.099 -	0.134 0.154 -	0.896
	$PM_{2.5}$ (0-47 hr)	209	120 70 0	0.035 0.015 0	-0.097 -0.115 -	0.168 0.145 -	-0.008 0.022 0	-0.148 -0.119 -	0.131 0.163 -	-0.108 -0.123 0	-0.25 -0.27 -	0.034 0.023 -	0.587
	CO (0-95 hr)	210	120 70 0	0.029 0.025 0	-0.102 -0.1 -	0.16 0.15 -	-0.143 -0.07 0	-0.264 -0.19 -	-0.022 0.049 -	0.064 -0.003 0	-0.064 -0.143 -	0.193 0.136 -	0.221
	NO_2 (0-11 hr)	202	120 70 0	-0.014 0.025 0	-0.147 -0.101 -	0.12 0.151 -	-0.021 -0.078 0	-0.156 -0.217 -	0.115 0.06 -	-0.037 -0.039 0	-0.172 -0.175 -	0.099 0.097 -	0.857
	SO_2 (0 hr)	147	120 70 0	0.055 0.093 0	-0.117 -0.063 -	0.227 0.25 -	-0.041 -0.111 0	-0.187 -0.28 -	0.105 0.058 -	-0.087 -0.049 0	-0.249 -0.204 -	0.075 0.106 -	0.467
Repolarization													
Ln of T-wave amplitude (5 min)	PES O_3 (0-71 hr)	661	120 70 0	0.064 0.044 0	0.023 -0.001 -	0.106 0.090 -	-0.040 0.001 0	-0.087 -0.044 -	0.007 0.046 -	0.024 0.032 0	-0.020 -0.010 -	0.067 0.075 -	0.044
	PES NO_2		120	0.061	0.019	0.103	-0.006	-0.051	0.040	0.007	-0.039	0.054	0.167

(μV)	(0-71 hr)	661	70 0	0.073 0	0.029 -	0.118 -	0.016 0	-0.027 -	0.059 -	0.009 0	-0.037 -	0.055 -	
	O_3 (0-11 hr)	622	120 70 0	0.013 0.047 0	-0.033 -0.001 -	0.059 0.096 -	0.055 0.025 0	0.007 -0.019 -	0.103 0.070 -	-0.035 0.030 0	-0.082 -0.018 -	0.012 0.077 -	0.053
	$PM_{2.5}$ (0-71 hr)	614	120 70 0	-0.010 0.018 0	-0.056 -0.026 -	0.036 0.061 -	-0.017 0.031 0	-0.068 -0.016 -	0.035 0.078 -	0.049 0.051 0	-0.002 0.000 -	0.099 0.103 -	0.397
	CO (0-95 hr)	614	120 70 0	-0.006 0.030 0	-0.058 -0.015 -	0.046 0.074 -	0.060 0.048 0	0.015 0.002 -	0.105 0.095 -	0.011 0.008 0	-0.038 -0.044 -	0.059 0.059 -	0.349
	NO_2 (0-95 hr)	591	120 70 0	0.007 -0.014 0	-0.041 -0.059 -	0.055 0.032 -	-0.013 0.068 0	-0.061 0.021 -	0.035 0.115 -	0.016 0.023 0	-0.035 -0.028 -	0.066 0.073 -	0.076
	SO_2 (0-71 hr)	**439**	**120 70 0**	**-0.042 -0.052 0**	**-0.097 -0.113 -**	**0.013 0.010 -**	**0.081 0.002 0**	**0.014 -0.054 -**	**0.147 0.059 -**	**0.014 0.143 0**	**-0.038 0.087 -**	**0.066 0.199 -**	**<0.001**
Ln of T-wave amplitude (24 hr) (μV)	PES O_3 (0-71 hr)	226	120 70 0	-0.011 0.000 0	-0.062 -0.055 -	0.04 0.054 -	-0.024 0.015 0	-0.08 -0.039 -	0.032 0.07 -	0.000 -0.067 0	-0.051 -0.117 -	0.051 -0.016 -	0.064
	PES NO_2 (0-71 hr)	226	120 70 0	-0.021 -0.086 0	-0.072 -0.138 -	0.029 -0.033 -	-0.009 -0.003 0	-0.063 -0.056 -	0.046 0.049 -	0.000 0.029 0	-0.056 -0.026 -	0.056 0.084 -	0.041
	O_3 (0-95 hr)	216	120 70 0	-0.028 -0.020 0	-0.094 -0.080 -	0.037 0.040 -	0.028 0.008 0	-0.029 -0.053 -	0.086 0.07 -	-0.027 -0.037 0	-0.083 -0.096 -	0.029 0.021 -	0.663
	$PM_{2.5}$ (0 hr)	205	120 70 0	-0.072 -0.034 0	-0.127 -0.089 -	-0.016 0.021 -	0.047 0.037 0	-0.012 -0.023 -	0.106 0.097 -	0.017 -0.034 0	-0.043 -0.096 -	0.077 0.029 -	0.027
	CO (0-95 hr)	210	120 70 0	-0.009 -0.048 0	-0.07 -0.101 -	0.053 0.005 -	0.009 -0.001 0	-0.046 -0.056 -	0.065 0.055 -	-0.015 0.031 0	-0.074 -0.033 -	0.043 0.094 -	0.249
	NO_2 (0-95 hr)	202	120 70 0	0.008 -0.011 0	-0.052 -0.07 -	0.067 0.048 -	-0.004 -0.022 0	-0.068 -0.084 -	0.059 0.04 -	-0.022 -0.001 0	-0.087 -0.066 -	0.043 0.065 -	0.869
	SO_2 (0-2 hr)	146	120 70 0	0.037 -0.027 0	-0.037 -0.099 -	0.11 0.044 -	-0.024 -0.019 0	-0.097 -0.092 -	0.049 0.053 -	-0.015 -0.009 0	-0.088 -0.077 -	0.057 0.058 -	0.600
ST Segment													
ST in V5	PES O_3 (0-71 hr)	661	120 70	3.9 3.4	0.4 -0.4	7.3 7.1	-2.3 0.3	-6.2 -3.4	1.6 4.1	0.6 -2.3	-2.9 -5.8	4.2 1.2	0.060

(5 min) (μV)			0	0	--	--	0	--	--	0	--	--	
	PES NO_2 (0-71 hr)	661	120	4	0.5	7.5	-2.6	-6.3	1.2	1.6	-2.2	5.4	
			70	1.9	-1.7	5.6	0.3	-3.3	3.9	-0.5	-4.3	3.3	0.121
			0	0	-	-	0	-	-	0	-	-	
	O_3 (0-95 hr)	631	120	-3.4	-7.8	0.9	1.7	-2.1	5.6	3.2	-0.5	7	
			70	-1.8	-5.6	2	0	-4.1	4	3.5	-0.4	7.4	0.178
			0	0	-	-	0	-	-	0	-	-	
	$PM_{2.5}$ (0-95 hr)	611	120	-2.1	-6	1.7	-0.2	-4.5	4.1	-0.4	-4.6	3.9	
			70	-1.2	-4.7	2.3	2.2	-1.8	6.1	-1	-5.2	3.2	0.670
			0	0	-	-	0	-	-	0	-	-	
	CO (0-95 hr)	614	120	-0.1	-4.5	4.2	1.6	-2.2	5.3	1.1	-2.9	5.2	
			70	1.7	-2	5.3	-1.7	-5.6	2.2	2.7	-1.6	7	0.428
			0	0	-	-	0	-	-	0	-	-	
	NO_2 (0-95 hr)	591	120	-1.2	-5.3	2.8	-2.8	-6.9	1.2	3.9	-0.3	8.1	
			70	-1.1	-5	2.7	0.4	-3.6	4.4	2.1	-2.1	6.3	0.212
			0	0	-	-	0	-	-	0	-	-	
	SO_2 (0-71 hr)	439	120	-3.2	-7.5	1.1	3.2	-1.9	8.4	0.9	-3.1	4.9	
			70	-4.5	-9.3	0.3	-1.7	-6.1	2.7	5.4	1	9.8	0.011
			0	0	-	-	0	-	-	0	-	-	
ST in V5 (24 hr) (μV)	PES O_3 (0-71 hr)	224	120	0.4	-4.8	5.6	1.3	-4.4	7	-1.3	-6.5	3.9	
			70	0.1	-5.5	5.7	0.7	-4.9	6.2	-6	-11.2	-0.9	0.433
			0	0	-	-	0	-	-	0	-	-	
	PES NO_2 (0-71 hr)	224	120	-0.4	-5.4	4.6	2.4	-3	7.9	-1.9	-7.6	3.7	
			70	-8.4	-13.7	-3.1	0.9	-4.4	6.2	0.4	-5.1	6	0.040
			0	0	-	-	0	-	-	0	-	-	
	O_3 (0-95 hr)	214	120	1.5	-5.2	8.2	2	-3.9	7.9	-2.5	-8.2	3.3	
			70	0.4	-5.7	6.5	0.7	-5.5	7	-6.3	-12.3	-0.4	0.500
			0	0	-	-	0	-	-	0	-	-	
	$PM_{2.5}$ (0-95 hr)	207	120	-3	-8.7	2.6	-0.7	-6.9	5.5	6.2	0	12.4	
			70	-5.1	-10.2	0	1.7	-4.1	7.6	-0.1	-6.2	5.9	0.088
			0	0	-	-	0	-	-	0	-	-	
	CO (0-95 hr)	208	120	-0.6	-6.9	5.8	1	-4.8	6.7	1.1	-5	7.2	
			70	0.1	-5.4	5.6	-6.9	-12.8	-1.1	3.8	-2.8	10.3	0.130
			0	0	-	-	0	-	-	0	-	-	
	NO_2 (0-71 hr)	201	120	0.1	-6.2	6.4	-2.3	-8.6	3.9	3.3	-3.2	9.8	
			70	-1	-7	5	-3.4	-9.6	2.8	-0.6	-7.4	6.2	0.831
			0	0	-	-	0	-	-	0	-	-	
	SO_2 (0-47 hr)	149	120	-3.1	-10.6	4.3	2.1	-5.9	10.1	-0.3	-7.1	6.6	
			70	-3.4	-11.3	4.4	-3.5	-10.8	3.9	-0.8	-8.3	6.6	0.810
			0	0	-	-	0	-	-	0	-	-	

Vascular Function

Systolic Blood Pressure (mmHg)	PES O_3 (0-71 hr)	684	120 70 0	1.9 -1.2 0	-0.7 -4.1 --	4.6 1.7 --	-2.5 0.4 0	-5.3 -2.3 --	0.4 3.2 --	1.8 2.0 0	-0.9 -0.7 --	4.5 4.7 --	0.039
	PES NO_2 (0-71 hr)	684	120 70 0	-0.3 -0.3 0	-3 -3.1 -	2.3 2.4 -	0.4 3 0	-2.5 0.3 -	3.3 5.8 -	0.6 -2.4 0	-2.3 -5.3 -	3.5 0.6 -	0.054
	O_3 (0-95 hr)	654	120 70 0	0.7 -0.1 0	-2.5 -3 -	3.8 2.9 -	0 0.7 0	-2.9 -2.4 -	3 3.7 -	1.5 1.2 0	-1.4 -1.8 -	4.4 4.2 -	0.942
	$PM_{2.5}$ (0-2 hr)	603	120 70 0	-2.2 -1.3 0	-5.4 -4.4 -	1.1 1.8 -	2.3 -0.3 0	-1 -3.6 -	5.5 3.1 -	1.4 2 0	-1.8 -1.2 -	4.6 5.2 -	0.240
	CO (0-2 hr)	618	120 70 0	0.4 -0.6 0	-2.6 -3.5 -	3.3 2.4 -	-0.4 0.6 0	-3.3 -2.5 -	2.6 3.8 -	1.7 1.1 0	-1.7 -2.1 -	5.1 4.3 -	0.806
	NO_2 (0-71 hr)	612	120 70 0	1.6 2.8 0	-1.5 -0.1 -	4.7 5.8 -	0.1 -0.1 0	-2.9 -3.1 -	3.1 3 -	-1.1 -1.5 0	-4.4 -4.8 -	2.1 1.9 -	0.435
	SO_2 (0 hr)	444	120 70 0	0.2 0.9 0	-3.6 -2.7 -	4 4.5 -	0.5 -0.3 0	-2.7 -4.1 -	3.8 3.5 -	2 3.2 0	-1.7 -0.3 -	5.6 6.8 -	0.780
Flow mediated dilation (%)	PES O_3 (0-71 hr)	191	120 70 0	-0.5 -1.1 0	-2.0 -2.7 --	1.0 0.5 --	-0.7 -1.0 0	-2.2 -2.5 --	0.9 0.5 --	0.2 1.3 0	-1.4 -0.3 --	1.8 2.8 --	0.213
	PES NO_2 (0-71 hr)	191	120 70 0	-1.5 0.1 0	-2.9 -1.3 -	0 1.6 -	1.1 -0.1 0	-0.6 -1.7 -	2.7 1.5 -	-1 -1 0	-2.6 -2.7 -	0.6 0.6 -	0.088
	O_3 (0-95 hr)	181	120 70 0	-1.1 -0.7 0	-2.8 -2.3 -	0.6 0.9 -	-0.7 -0.2 0	-2.4 -1.9 -	0.9 1.5 -	0.6 0.5 0	-1 -1.2 -	2.2 2.1 -	0.658
	$PM_{2.5}$ (0-2 hr)	166	120 70 0	-1.1 0 0	-2.9 -1.8 -	0.6 1.7 -	0.1 0.2 0	-1.7 -1.5 -	1.8 1.8 -	-0.1 -0.2 0	-1.8 -2 -	1.6 1.6 -	0.841
	CO (0 hr)	175	120 70 0	-0.2 -0.6 0	-1.9 -2.2 -	1.6 1 -	-1.1 0.2 0	-2.7 -1.5 -	0.4 1.9 -	0.3 -0.3 0	-1.4 -2.1 -	2 1.5 -	0.479
	NO_2 0-23 hr	170	120 70 0	0.5 -0.8 0	-1.2 -2.4 -	2.3 0.8 -	0.7 1 0	-1.1 -0.8 -	2.4 2.8 -	-1.4 0 0	-3.2 -1.8 -	0.3 1.8 -	0.134
	SO_2 (0 hr)	120	120 70	-1.8 0.3	-3.8 -1.7	0.3 2.2	-1.3 -1.7	-3.1 -3.8	0.5 0.4	0.1 0	-2 -2.2	2.1 2.1	0.327

			0	0	-	-	0	-	-	0	-	-	
Systemic Inflammation													
Ln of C-reactive protein (mg/L)	PES O_3 (0-71 hr)	440	120 70 0	0.135 -0.107 0	-0.044 -0.299 --	0.315 0.085 --	-0.103 -0.109 0	-0.291 -0.289 --	0.085 0.072 --	-0.076 -0.111 0	-0.255 -0.285 --	0.103 0.063 --	0.312
	PES NO_2 (0-71 hr)	440	120 70 0	0.066 -0.038 0	-0.106 -0.213 -	0.238 0.137 -	-0.161 -0.048 0	-0.346 -0.223 -	0.025 0.128 -	0.093 -0.147 0	-0.091 -0.333 -	0.277 0.039 -	0.091
	O_3 (0-11 hr)	416	120 70 0	0.011 -0.067 0	-0.165 -0.257 -	0.187 0.123 -	0.057 -0.161 0	-0.132 -0.334 -	0.246 0.012 -	-0.035 0.044 0	-0.223 -0.146 -	0.154 0.235 -	0.285
	$PM_{2.5}$ (0-2 hr)	390	120 70 0	0.219 0.053 0	0.021 -0.133 -	0.417 0.238 -	-0.07 -0.059 0	-0.263 -0.254 -	0.124 0.136 -	-0.120 -0.245 0	-0.309 -0.430 -	0.068 -0.060 -	0.012
	CO (0 hr)	407	120 70 0	0.157 -0.012 0	-0.032 -0.203 -	0.345 0.179 -	-0.018 -0.147 0	-0.22 -0.353 -	0.183 0.059 -	-0.113 -0.168 0	-0.329 -0.366 -	0.103 0.029 -	0.461
	NO_2 (0-2 hr)	383	120 70 0	0.065 0.062 0	-0.131 -0.118 -	0.26 0.242 -	0.015 0.007 0	-0.16 -0.179 -	0.19 0.194 -	-0.141 -0.326 0	-0.332 -0.515 -	0.049 -0.137 -	0.056
	SO_2 (0-95 hr)	292	120 70 0	-0.059 0.07 0	-0.271 -0.146 -	0.152 0.286 -	-0.029 -0.174 0	-0.269 -0.392 -	0.211 0.043 -	0.19 0.018 0	-0.009 -0.205 -	0.389 0.242 -	0.125
Systemic Oxidative Stress													
Nitrotyrosine (nM)	PES O_3 (0-71 hr)	440	120 70 0	-19.0 38.4 0	-73.9 -20.7 --	36.0 97.4 --	-81.1 -23.6 0	-137.4 -80.2 --	-24.8 33.0 --	-18.4 -20.6 0	-73.4 -73.1 --	36.6 31.9 --	0.208
	PES NO_2 (0-71 hr)	440	120 70 0	4.2 21 0	-49.1 -33.5 -	57.6 75.5 -	-37.8 -10.5 0	-94.9 -65.9 -	19.3 44.9 -	-94.0 -46.6 0	-150.3 -104.0 -	-37.6 10.7 -	0.185
	O_3 (0-71 hr)	420	120 70 0	-40.3 26.1 0	-101.6 -32.5 -	21 84.7 -	-37.3 -12.2 0	-91.8 -72.9 -	17.2 48.5 -	-56.8 -55.9 0	-118.4 -117.4 -	4.8 5.6 -	0.378
	$PM_{2.5}$ (0-47 hr)	410	120 70 0	-54.1 -64.2 0	-111.4 -122.8 -	3.2 -5.6 -	-41.3 -17.4 0	-102.3 -75.9 -	19.8 41.1 -	-54.7 -19.8 0	-115 -80.9 -	5.6 41.3 -	0.763
	CO (0-2 hr)	399	120 70 0	-38 -10.3 0	-94.9 -66.7 -	18.9 46 -	-53.8 24.7 0	-111.3 -36 -	3.7 85.3 -	-40.1 -71.6 0	-103.5 -131.6 -	23.3 -11.7 -	0.107
	NO_2 (0-71 hr)	400	120 70	-61.4 -43.5	-121.6 -98.7	-1.1 11.7	-31 -11	-87.5 -68.1	25.5 46.2	-64.8 -13.9	-126.4 -78.7	-3.3 50.9	0.820

			0	0	-	-	0	-	-	0	-	-	
	SO_2 (0-95 hr)	292	120 70 0	15.2 13.3 0	-55.6 -60.6 -	86 87.2 -	-137 -59.6 0	-216 -130.5 -	-58 11.3 -	-32.7 -11 0	-99.5 -87.2 -	34.2 65.3 -	0.121
Prothrombotic													
Microparticle TFA (pg/mL)	PES O_3 (0-71 hr)	439	120 70 0	0.038 -0.001 0	-0.032 -0.078 -	0.108 0.076 -	0.038 -0.014 0	-0.035 -0.084 -	0.111 0.055 -	0.016 -0.012 0	-0.055 -0.082 -	0.087 0.058 -	0.984
	PES NO_2 (0-71 hr)	439	120 70 0	0.05 -0.007 0	-0.017 -0.079 -	0.117 0.065 -	0.042 -0.006 0	-0.033 -0.078 -	0.118 0.066 -	-0.002 -0.018 0	-0.076 -0.091 -	0.072 0.056 -	0.870
	O_3 (0-11 hr)	414	120 70 0	0.021 -0.026 0	-0.049 -0.102 -	0.092 0.051 -	0.122 0.048 0	0.047 -0.023 -	0.198 0.120 -	-0.044 -0.055 0	-0.120 -0.132 -	0.032 0.022 -	0.055
	$PM_{2.5}$ (0-47 hr)	407	120 70 0	0.059 0.002 0	-0.011 -0.067 -	0.129 0.071 -	0.000 -0.096 0	-0.075 -0.169 -	0.075 -0.023 -	0.048 0.031 0	-0.028 -0.046 -	0.124 0.108 -	0.181
	CO (0-2 hr)	398	120 70 0	0.058 -0.020 0	-0.011 -0.089 -	0.126 0.049 -	-0.035 -0.057 0	-0.107 -0.132 -	0.036 0.018 -	0.055 0.026 0	-0.023 -0.047 -	0.133 0.099 -	0.249
	NO_2 (0-71 hr)	397	120 70 0	0.024 0.024 0	-0.051 -0.048 -	0.099 0.096 -	-0.025 -0.103 0	-0.096 -0.175 -	0.046 -0.031 -	0.090 0.003 0	0.011 -0.077 -	0.168 0.083 -	0.063
	SO_2 (0-11 hr)	289	120 70 0	0.011 -0.035 0	-0.078 -0.127 -	0.101 0.057 -	0.018 -0.092 0	-0.077 -0.182 -	0.113 -0.001 -	-0.001 -0.048 0	-0.093 -0.145 -	0.090 0.048 -	0.871
Ln of Monocyte platelet conjugates (count)	PES O_3 (0-71 hr)	391	120 70 0	0.138 0.328 0	-0.083 0.078 --	0.359 0.578 --	0.060 -0.213 0	-0.168 -0.435 --	0.288 0.009 --	-0.080 -0.163 0	-0.316 -0.386 --	0.156 0.060 --	0.012
	PES NO_2 (0-71 hr)	391	120 70 0	0.117 0.081 0	-0.112 -0.166 -	0.346 0.328 -	-0.014 -0.057 0	-0.251 -0.282 -	0.224 0.169 -	0.022 -0.096 0	-0.214 -0.334 -	0.258 0.142 -	0.852
	O_3 (0-71 hr)	374	120 70 0	0.138 -0.063 0	-0.132 -0.31 -	0.408 0.184 -	0.075 0.05 0	-0.156 -0.204 -	0.306 0.303 -	-0.026 -0.005 0	-0.27 -0.254 -	0.218 0.245 -	0.777
	$PM_{2.5}$ (0-95 hr)	369	120 70 0	0.081 0.031 0	-0.16 -0.189 -	0.321 0.25 -	0.268 0.119 0	-0.004 -0.136 -	0.54 0.375 -	-0.310 -0.328 0	-0.559 -0.585 -	-0.061 -0.071 -	0.035
	CO (0 hr)	357	120 70 0	-0.048 -0.008 0	-0.291 -0.268 -	0.195 0.253 -	0.087 0.133 0	-0.164 -0.118 -	0.338 0.384 -	-0.071 -0.211 0	-0.339 -0.452 -	0.198 0.029 -	0.400

	NO_2 (0-11 hr)	355	120 70 0	0.064 -0.014 0	-0.204 -0.268 -	0.333 0.239 -	0.042 0.133 0	-0.198 -0.111 -	0.282 0.377 -	-0.121 -0.256 0	-0.367 -0.509 -	0.126 -0.004 -	0.289
	SO_2 (0-11 hr)	257	120 70 0	-0.013 -0.09 0	-0.28 -0.361 -	0.253 0.181 -	0.246 0.097 0	-0.008 -0.155 -	0.5 0.348 -	-0.199 -0.029 0	-0.459 -0.307 -	0.062 0.248 -	0.143
Pulmonary Function													
FEV_1 (L)	PES O_3 (0-71 hr)	455	120 70 0	-0.041 -0.014 0	-0.074 -0.050 --	-0.009 0.021 --	-0.041 -0.028 0	-0.076 -0.062 --	-0.006 0.005 --	-0.032 -0.022 0	-0.065 -0.055 --	0.001 0.011 --	0.959
	PES NO_2 (0-71 hr)	455	120 70 0	-0.007 -0.011 0	-0.039 -0.044 -	0.024 0.022 -	-0.069 -0.057 0	-0.103 -0.09 -	-0.034 -0.024 -	-0.042 0 0	-0.077 -0.035 -	-0.007 0.035 -	0.037
	O_3 (0-95 hr)	435	120 70 0	-0.029 -0.021 0	-0.065 -0.055 -	0.008 0.013 -	-0.014 -0.003 0	-0.048 -0.038 -	0.02 0.032 -	-0.068 -0.032 0	-0.102 -0.067 -	-0.035 0.003 -	0.277
	$PM_{2.5}$ (0-71 hr)	423	120 70 0	-0.055 -0.016 0	-0.09 -0.049 -	-0.02 0.018 -	-0.04 -0.038 0	-0.077 -0.073 -	-0.003 -0.003 -	-0.029 0.004 0	-0.066 -0.034 -	0.007 0.042 -	0.445
	CO (0-2 hr)	411	120 70 0	0.006 0.002 0	-0.028 -0.032 -	0.04 0.036 -	-0.057 -0.054 0	-0.091 -0.090 -	-0.023 -0.018 -	-0.075 -0.018 0	-0.114 -0.055 -	-0.036 0.019 -	0.010
	NO_2 (0-71 hr)	409	120 70 0	-0.017 -0.004 0	-0.053 -0.038 -	0.019 0.03 -	-0.018 -0.007 0	-0.053 -0.041 -	0.016 0.028 -	-0.073 -0.046 0	-0.111 -0.085 -	-0.036 -0.007 -	0.201
	SO_2 (0-11 hr)	297	120 70 0	-0.014 -0.009 0	-0.053 -0.052 -	0.026 0.033 -	-0.021 -0.036 0	-0.064 -0.076 -	0.021 0.003 -	-0.048 -0.034 0	-0.089 -0.078 -	-0.006 0.01 -	0.726
FVC (L)	PES O_3 (0-71 hr)	455	120 70 0	-0.059 0.002 0	-0.101 -0.043 --	-0.018 0.047 --	-0.022 -0.007 0	-0.066 -0.050 --	0.022 0.035 --	-0.045 -0.033 0	-0.087 -0.075 --	-0.003 0.008 --	0.443
	PES NO_2 (0-71 hr)	455	120 70 0	-0.015 0.02 0	-0.055 -0.022 -	0.025 0.062 -	-0.054 -0.063 0	-0.097 -0.105 -	-0.01 -0.021 -	-0.061 0 0	-0.106 -0.045 -	-0.016 0.044 -	0.040
	O_3 (0-23 hr)	433	120 70 0	-0.055 -0.036 0	-0.1 -0.081 -	-0.011 0.01 -	-0.039 -0.015 0	-0.082 -0.059 -	0.004 0.028 -	-0.028 0.011 0	-0.073 -0.034 -	0.016 0.056 -	0.721
	$PM_{2.5}$ (0-23 hr)	421	120 70 0	-0.081 -0.023 0	-0.13 -0.064 -	-0.033 0.019 -	-0.027 0.009 0	-0.072 -0.039 -	0.018 0.058 -	-0.036 -0.012 0	-0.08 -0.056 -	0.008 0.033 -	0.555
	CO		120	-0.012	-0.056	0.032	-0.059	-0.102	-0.017	-0.074	-0.121	-0.027	0.226

	(0-23 hr)	425	70 0	0.013 0	-0.028 -	0.054 -	-0.045 0	-0.089 -	0 -	-0.019 0	-0.067 -	0.028 -	
	NO_2 (0-71 hr)	409	120 70 0	-0.017 0.009 0	-0.063 -0.034 -	0.028 0.052 -	-0.005 -0.011 0	-0.049 -0.055 -	0.039 0.033 -	-0.106 -0.047 0	-0.154 -0.096 -	-0.058 0.002 -	0.025
	SO_2 (0-11 hr)	297	120 70 0	-0.016 0.037 0	-0.065 -0.015 -	0.033 0.089 -	0.002 -0.036 0	-0.051 -0.084 -	0.054 0.013 -	-0.065 -0.029 0	-0.116 -0.083 -	-0.014 0.025 -	0.072
Lung Injury													
CC16 (ng/mL)	PES O_3 (0-71 hr)	440	120 70 0	3.27 1.95 0	1.55 0.12 -	4.98 3.79 -	1.75 -0.02 0	-0.04 -1.73 -	3.53 1.69 -	1.09 -0.67 0	-0.61 -2.32 -	2.8 0.99 -	0.259
	PES NO_2 (0-71 hr)	440	120 70 0	2.1 0.63 0	0.41 -1.08 -	3.79 2.34 -	1.29 -0.44 0	-0.53 -2.16 -	3.11 1.29 -	2.59 0.68 0	0.79 -1.14 -	4.4 2.5 -	0.850
	O_3 (0-47 hr)	422	120 70 0	2.4 0.85 0	0.51 -0.97 -	4.3 2.66 -	1.22 -0.14 0	-0.63 -2.02 -	3.07 1.74 -	2.25 0.17 0	0.37 -1.72 -	4.13 2.06 -	0.878
	$PM_{2.5}$ (0-11 hr)	406	120 70 0	1.16 0.93 0	-0.8 -0.92 -	3.11 2.79 -	3 0.36 0	0.98 -1.69 -	5.01 2.4 -	1.83 -0.03 0	-0.05 -1.82 -	3.71 1.76 -	0.453
	CO (0 hr)	407	120 70 0	1.76 0.1 0	-0.01 -1.69 -	3.53 1.89 -	2.97 0.12 0	1.09 -1.81 -	4.84 2.04 -	-0.34 -0.09 0	-2.37 -1.94 -	1.69 1.76 -	0.153
	NO_2 (0-11 hr)	397	120 70 0	2.24 0.34 0	0.25 -1.49 -	4.23 2.16 -	0.93 0.23 0	-0.93 -1.72 -	2.8 2.17 -	2.33 -0.2 0	0.4 -2.15 -	4.26 1.74 -	0.712
	SO_2 (0-71 hr)	294	120 70 0	3.24 0.17 0	1.27 -1.91 -	5.21 2.24 -	2.78 0.34 0	0.44 -1.7 -	5.13 2.38 -	1.36 -0.73 0	-0.53 -2.81 -	3.25 1.34 -	0.722
Airway Inflammation													
PMN (% of total)	PES O_3 (0-71 hr)	165	120 70 0	9.0 6.8 0	-2.4 -4.3 -	20.3 17.8 -	4.5 -5.0 0	-7.0 -17.1 -	16.0 7.2 -	11.4 9.5 0	1.0 -1.1 -	21.7 20.2 -	0.543
	PES NO_2 (0-71 hr)	165	120 70 0	5.1 6.8 0	-6.3 -4.5 -	16.5 18.0 -	6.4 7.2 0	-4.4 -3.6 -	17.3 18.0 -	14.2 0.7 0	1.9 -11.9 -	26.5 13.3 -	0.382
	O_3 (0-2 hr)	148	120 70 0	5.2 6.7 0	-7.0 -6.9 -	17.4 20.4 -	19.3 11.5 0	6.4 -0.1 -	32.3 23.2 -	-0.8 -7.5 0	-12.4 -18.4 -	10.8 3.3 -	0.427

$PM_{2.5}$ (0-hr)	151	120	12.1	-1.6	25.8	6.4	-5.4	18.2	7.6	-6.4	21.6	
		70	3.0	-10.2	16.2	2.1	-10.5	14.7	8.6	-4.3	21.5	0.834
		0	0	-	-	0	-	-	0	-	-	
CO (0 hr)	155	120	14.1	2.2	26.0	6.1	-5.1	17.3	4.9	-8.0	17.7	
		70	2.3	-8.8	13.4	7.1	-5.1	19.2	5.0	-7.2	17.2	0.528
		0	0	-	-	0	-	-	0	-	-	
NO_2 (0-11 hr)	149	120	16.3	3.5	29.1	1.3	-10.2	12.8	2.3	-9.5	14.1	
		70	9.4	-2.2	20.9	2.5	-10.2	15.3	2.2	-9.4	13.7	0.495
		0	0	-	-	0	-	-	0	-	-	
SO_2 (0-11 hr)	107	120	9.4	-4.9	23.7	6.9	-9.8	23.6	3.5	-11.8	18.8	
		70	6.5	-8.7	21.6	14.7	-0.1	29.4	-7.3	-23.3	8.7	0.397
		0	0	-	-	0	-	-	0	-	-	

Additional Materials, Table 4. Aim 3 Primary Outcomes: Change in pre-exposure biomarker concentrations associated with each interquartile range (IQR) increase in PES and ambient air pollutant concentration, by lag hours

Outcome	Pollutant	Lag Hours	IQR	N	Difference	95% Confidence Interval	p-value
Heart Rate Variability (HRV)							
Ln of HF (ms^2)	PES O_3 (ppb)	0-71	4.1	224	-0.117	-0.318, 0.084	0.251
	PES NO_2 (ppb)	0-71	9.3	224	0.065	-0.092, 0.221	0.417
	Ambient O_3 (ppb)	0	15.2	206	-0.231	-0.515, 0.052	0.109
		0-2	15.2	195	-0.162	-0.455, 0.131	0.277
		0-11	16.1	211	-0.128	-0.400, 0.144	0.354
		0-23	13.7	213	-0.242	-0.505, 0.020	0.070
		0-47	**11.3**	**214**	**-0.379**	**-0.629, -0.128**	**0.003**
		0-71	**11.0**	**213**	**-0.454**	**-0.725, -0.184**	**0.001**
		0-95	**10.3**	**214**	**-0.460**	**-0.743, -0.177**	**0.002**
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	203	0.013	-0.163, 0.189	0.884
		0-2	5.8	197	0.004	-0.178, 0.187	0.962
		0-11	5.4	205	-0.030	-0.207, 0.147	0.738
		0-23	4.9	207	0.021	-0.177, 0.219	0.835
		0-47	4.6	207	0.074	-0.133, 0.282	0.478
		0-71	4.7	208	0.121	-0.107, 0.348	0.296
		0-95	4.3	207	0.183	-0.039, 0.406	0.105
	Ambient CO (ppm)	0	0.126	206	0.249	-0.050, 0.548	0.101
		0-2	0.143	202	0.198	-0.120, 0.517	0.220
		0-11	0.144	208	-0.003	-0.227, 0.221	0.978
		0-23	0.129	209	0.114	-0.144, 0.371	0.384
		0-47	0.109	209	0.235	-0.008, 0.478	0.058
		0-71	0.106	209	0.257	0.009, 0.505	0.042
		0-95	0.108	208	0.273	0.009, 0.537	0.043
	Ambient NO_2 (ppb)	0	4.6	197	-0.012	-0.159, 0.135	0.871
		0-2	5.5	193	0.004	-0.194, 0.202	0.968
		0-11	7.9	200	-0.067	-0.278, 0.144	0.533
		0-23	6.1	202	0.032	-0.188, 0.253	0.771
		0-47	5.1	202	0.130	-0.077, 0.336	0.216
		0-71	5.2	201	0.198	-0.026, 0.421	0.083
		0-95	4.2	200	0.166	-0.023, 0.354	0.084
	Ambient SO_2 (ppb)	0	0.8	145	0.068	-0.083, 0.219	0.372
		0-2	0.9	144	0.035	-0.085, 0.156	0.560
		0-11	0.8	146	0.022	-0.146, 0.190	0.796
		0-23	0.9	148	0.000	-0.199, 0.200	0.997

		0-47	0.9	149	-0.011	-0.242, 0.220	0.922
		0-71	0.9	149	-0.058	-0.375, 0.258	0.714
		0-95	0.9	148	-0.019	-0.363, 0.325	0.914
	PES O_3 (ppb)	0-71	4.1	224	-0.004	-0.192, 0.183	0.963
	PES NO_2 (ppb)	0-71	9.3	224	-0.051	-0.198, 0.096	0.493
	Ambient O_3 (ppb)	0	15.2	206	-0.068	-0.325, 0.189	0.603
		0-2	15.2	195	-0.005	-0.268, 0.258	0.968
		0-11	16.1	211	-0.058	-0.307, 0.191	0.646
		0-23	13.7	213	-0.138	-0.380, 0.104	0.261
		0-47	11.3	214	-0.224	-0.457, 0.009	0.060
		0-71	11.0	213	-0.277	-0.529, -0.025	0.031
		0-95	10.3	214	-0.265	-0.529, -0.001	0.049
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	203	0.113	-0.041, 0.267	0.150
		0-2	5.8	197	0.095	-0.065, 0.255	0.243
		0-11	5.4	205	0.065	-0.094, 0.224	0.419
		0-23	4.9	207	0.107	-0.075, 0.288	0.246
		0-47	4.6	207	0.201	0.013, 0.389	0.036
		0-71	4.7	208	0.248	0.041, 0.456	0.019
		0-95	**4.3**	**207**	**0.277**	**0.077, 0.477**	**0.007**
Ln of LF (ms^2)	Ambient CO (ppm)	0	0.126	206	0.204	-0.066, 0.474	0.137
		0-2	0.143	202	0.170	-0.115, 0.455	0.240
		0-11	0.144	208	0.058	-0.145, 0.262	0.572
		0-23	0.129	209	0.146	-0.089, 0.380	0.221
		0-47	0.109	209	0.228	0.007, 0.448	0.043
		0-71	0.106	209	0.267	0.043, 0.492	0.020
		0-95	0.108	208	0.271	0.031, 0.510	0.027
	Ambient NO_2 (ppb)	0	4.6	197	-0.056	-0.186, 0.075	0.400
		0-2	5.5	193	-0.078	-0.251, 0.096	0.376
		0-11	7.9	200	-0.079	-0.270, 0.113	0.418
		0-23	6.1	202	-0.004	-0.202, 0.194	0.970
		0-47	5.1	202	0.089	-0.097, 0.275	0.344
		0-71	5.2	201	0.139	-0.062, 0.341	0.174
		0-95	4.2	200	0.101	-0.070, 0.272	0.243
	Ambient SO_2 (ppb)	0	0.8	145	0.069	-0.065, 0.203	0.310
		0-2	0.9	144	0.048	-0.058, 0.154	0.366
		0-11	0.8	146	0.041	-0.107, 0.189	0.586
		0-23	0.9	148	0.010	-0.165, 0.186	0.909
		0-47	0.9	149	-0.091	-0.294, 0.112	0.376
		0-71	0.9	149	-0.146	-0.424, 0.132	0.299
		0-95	0.9	148	-0.149	-0.452, 0.154	0.331
Repolarization							
	PES	0-71	4.1	224	0.007	-0.025, 0.039	0.676

	O_3 (ppb)						
	PES NO_2 (ppb)	0-71	9.3	224	-0.005	-0.029, 0.019	0.701
	Ambient O_3 (ppb)	0	15.2	206	0.004	-0.038, 0.046	0.854
		0-2	15.2	195	-0.005	-0.046, 0.037	0.826
		0-11	16.1	211	0.003	-0.036, 0.042	0.872
		0-23	13.7	213	-0.006	-0.044, 0.032	0.748
		0-47	11.3	214	-0.017	-0.054, 0.021	0.377
		0-71	11.0	213	-0.011	-0.051, 0.030	0.608
		0-95	10.3	214	-0.015	-0.059, 0.028	0.493
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	203	0.006	-0.019, 0.031	0.624
		0-2	5.8	197	0.000	-0.026, 0.026	0.986
		0-11	5.4	205	0.002	-0.023, 0.027	0.867
		0-23	4.9	207	0.013	-0.015, 0.042	0.364
		0-47	4.6	207	0.009	-0.022, 0.039	0.572
		0-71	4.7	208	0.009	-0.024, 0.042	0.583
Ln of T-wave amplitude (5 min) (μV)		0-95	4.3	207	0.018	-0.014, 0.050	0.273
	Ambient CO (ppm)	0	0.126	206	0.038	-0.006, 0.081	0.088
		0-2	0.143	202	0.038	-0.009, 0.084	0.115
		0-11	0.144	208	0.017	-0.016, 0.050	0.319
		0-23	0.129	209	0.028	-0.010, 0.066	0.147
		0-47	0.109	209	0.025	-0.011, 0.061	0.173
		0-71	0.106	209	0.015	-0.022, 0.052	0.426
		0-95	0.108	208	0.016	-0.024, 0.055	0.432
	Ambient NO_2 (ppb)	0	4.6	197	0.004	-0.018, 0.026	0.725
		0-2	5.5	193	0.018	-0.012, 0.049	0.234
		0-11	7.9	200	0.008	-0.024, 0.039	0.641
		0-23	6.1	202	0.018	-0.016, 0.051	0.299
		0-47	5.1	202	0.020	-0.011, 0.051	0.204
		0-71	5.2	201	0.018	-0.016, 0.052	0.291
		0-95	4.2	200	0.014	-0.015, 0.043	0.349
	Ambient SO_2 (ppb)	0	0.8	145	-0.001	-0.023, 0.021	0.927
		0-2	0.9	144	-0.008	-0.026, 0.010	0.375
		0-11	0.8	146	-0.004	-0.029, 0.021	0.737
		0-23	0.9	148	-0.003	-0.033, 0.026	0.835
		0-47	0.9	149	-0.007	-0.041, 0.028	0.691
		0-71	0.9	149	-0.026	-0.073, 0.021	0.271
		0-95	0.9	148	-0.024	-0.075, 0.028	0.364
ST Segment							
	PES O_3 (ppb)	0-71	4.1	224	-0.155	-2.906, 2.597	0.912
	PES NO_2 (ppb)	0-71	9.3	224	-1.360	-.3421, 0.702	0.194
ST in V5 (5 min) (μV)	Ambient O_3 (ppb)	0	15.2	206	0.270	-3.468, 4.008	0.887
		0-2	15.2	195	-0.033	-3.775, 3.708	0.986
		0-11	16.1	211	-0.610	-4.071, 2.851	0.728

		0-23	13.7	213	-0.803	-4.138, 2.532	0.634
		0-47	11.3	214	-1.097	-4.365, 2.171	0.508
		0-71	11.0	213	-0.589	-4.155, 2.978	0.744
		0-95	10.3	214	-0.271	-4.116, 3.574	0.889
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	203	0.539	-1.430, 2.509	0.589
		0-2	5.8	197	0.161	-1.868, 2.190	0.875
		0-11	5.4	205	0.485	-1.518, 2.488	0.632
		0-23	4.9	207	1.402	-0.847, 3.652	0.219
		0-47	4.6	207	0.819	-1.538, 3.176	0.493
		0-71	4.7	208	0.373	-2.205, 2.951	0.775
		0-95	4.3	207	0.466	-2.128, 3.060	0.723
	Ambient CO (ppm)	0	0.126	206	3.050	-0.907, 7.007	0.130
		0-2	0.143	202	3.839	-0.356, 8.035	0.073
		0-11	0.144	208	2.828	-0.095, 5.751	0.058
		0-23	0.129	209	3.163	-0.186, 6.512	0.064
		0-47	0.109	209	2.734	-0.466, 5.934	0.093
		0-71	0.106	209	1.518	-1.778, 4.814	0.364
		0-95	0.108	208	1.650	-1.929, 5.229	0.363
	Ambient NO_2 (ppb)	0	4.6	197	0.603	-1.373, 2.578	0.547
		0-2	5.5	193	0.659	-2.051, 3.368	0.631
		0-11	7.9	200	1.820	-1.023, 4.662	0.207
		0-23	6.1	202	1.137	-1.853, 4.127	0.453
		0-47	5.1	202	1.521	-1.278, 4.319	0.284
		0-71	5.2	201	1.168	-1.852, 4.187	0.445
		0-95	4.2	200	0.987	-1.581, 3.555	0.448
	Ambient SO_2 (ppb)	0	0.8	145	-0.271	-2.007, 1.464	0.757
		0-2	0.9	144	-0.480	-1.904, 0.944	0.504
		0-11	0.8	146	-0.252	-2.194, 1.690	0.797
		0-23	0.9	148	-0.375	-2.643, 1.894	0.743
		0-47	0.9	149	-1.435	-4.017, 1.147	0.272
		0-71	0.9	149	-1.791	-5.332, 1.751	0.318
		0-95	0.9	148	-1.081	-4.957, 2.795	0.581
Vascular Function							
Systolic Blood Pressure (mmHg)	PES O_3 (ppb)	0-71	4.1	228	0.883	-0.465, 2.232	0.197
	PES NO_2 (ppb)	**0-71**	**9.3**	**228**	**-1.457**	**-2.490, -0.425**	**0.006**
	Ambient O_3 (ppb)	0	15.2	210	1.000	-0.704, 2.704	0.248
		0-2	15.2	199	0.669	-1.043, 2.381	0.441
		0-11	16.1	215	-0.053	-1.833, 1.727	0.953
		0-23	13.7	217	0.066	-1.670, 1.801	0.940
		0-47	11.3	218	-0.083	-1.751, 1.586	0.922
		0-71	11.0	217	-0.028	-1.819, 1.763	0.975
		0-95	10.3	218	0.552	-1.336, 2.440	0.564
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	207	0.490	-0.596, 1.575	0.374
		0-2	5.8	201	0.828	-0.320, 1.976	0.156
		0-11	5.4	209	0.571	-0.567, 1.710	0.323
		0-23	4.9	211	0.663	-0.641, 1.967	0.316

		0-47	4.6	211	0.392	-0.980, 1.765	0.572
		0-71	4.7	212	0.326	-1.194, 1.847	0.672
		0-95	4.3	211	0.478	-0.994, 1.950	0.521
	Ambient CO (ppm)	0	0.126	210	0.198	-1.629, 2.026	0.831
		0-2	0.143	206	0.281	-1.684, 2.246	0.777
		0-11	0.144	212	0.079	-1.325, 1.482	0.912
		0-23	0.129	213	0.143	-1.479, 1.764	0.862
		0-47	0.109	213	0.344	-1.196, 1.883	0.659
		0-71	0.106	213	0.215	-1.376, 1.805	0.790
		0-95	0.108	212	0.131	-1.584, 1.846	0.880
	Ambient NO_2 (ppb)	0	4.6	201	-0.094	-0.999, 0.811	0.837
		0-2	5.5	197	0.219	-1.006, 1.443	0.724
		0-11	7.9	204	0.128	-1.224, 1.480	0.851
		0-23	6.1	206	0.562	-0.822, 1.947	0.423
		0-47	5.1	206	0.999	-0.301, 2.300	0.131
		0-71	5.2	205	1.122	-0.315, 2.559	0.125
		0-95	4.2	204	0.766	-0.464, 1.996	0.220
	Ambient SO_2 (ppb)	0	0.8	148	0.339	-0.699, 1.376	0.518
		0-2	0.9	147	0.297	-0.532, 1.125	0.478
		0-11	0.8	149	0.129	-1.053, 1.311	0.829
		0-23	0.9	151	0.458	-0.950, 1.866	0.520
		0-47	0.9	152	0.136	-1.520, 1.792	0.870
		0-71	0.9	152	-0.066	-2.333, 2.202	0.954
		0-95	0.9	151	0.077	-2.376, 2.530	0.950
Flow mediated dilation (%)	PES O_3 (ppb)	0-71	4.1	191	0.188	-0.255, 0.631	0.402
	PES NO_2 (ppb)	0-71	9.3	191	-0.198	-0.527, 0.131	0.236
	Ambient O_3 (ppb)	0	15.2	177	0.116	-0.485, 0.718	0.702
		0-2	15.2	166	0.264	-0.356, 0.884	0.400
		0-11	16.1	180	0.395	-0.212, 1.001	0.199
		0-23	13.7	182	0.548	-0.028, 1.124	0.062
		0-47	11.3	182	0.323	-0.208, 0.854	0.230
		0-71	11.0	181	0.335	-0.235, 0.904	0.247
		0-95	10.3	181	0.308	-0.295, 0.911	0.313
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	172	0.223	-0.170, 0.616	0.263
		0-2	5.8	166	0.275	-0.159, 0.708	0.212
		0-11	5.4	174	0.199	-0.222, 0.620	0.350
		0-23	4.9	176	0.213	-0.249, 0.675	0.363
		0-47	4.6	176	0.267	-0.171, 0.706	0.229
		0-71	4.7	177	0.250	-0.219, 0.719	0.293
		0-95	4.3	177	0.250	-0.206, 0.705	0.280
	Ambient CO (ppm)	0	0.126	175	0.348	-0.253, 0.950	0.253
		0-2	0.143	171	0.357	-0.271, 0.985	0.262
		0-11	0.144	177	-0.051	-0.510, 0.407	0.825
		0-23	0.129	178	-0.004	-0.526, 0.519	0.989
		0-47	0.109	178	0.167	-0.325, 0.659	0.503
		0-71	0.106	178	0.027	-0.480, 0.534	0.915

		0-95	0.108	177	0.036	-0.503, 0.575	0.895
	Ambient NO_2 (ppb)	0	4.6	167	0.113	-0.171, 0.398	0.431
		0-2	5.5	163	0.016	-0.363, 0.395	0.934
		0-11	7.9	169	0.000	-0.446, 0.446	0.999
		0-23	6.1	170	0.003	-0.449, 0.456	0.989
		0-47	5.1	170	0.127	-0.303, 0.557	0.558
		0-71	5.2	169	0.059	-0.409, 0.527	0.803
		0-95	4.2	168	0.024	-0.368, 0.416	0.903
	Ambient SO_2 (ppb)	0	0.8	120	0.235	-0.062, 0.532	0.119
		0-2	0.9	119	0.121	-0.170, 0.412	0.410
		0-11	0.8	121	0.158	-0.140, 0.456	0.293
		0-23	0.9	123	0.120	-0.231, 0.471	0.497
		0-47	0.9	124	0.174	-0.227, 0.575	0.390
		0-71	0.9	124	0.172	-0.409, 0.752	0.557
		0-95	0.9	123	0.372	-0.251, 0.995	0.238
Systemic Inflammation							
	PES O_3 (ppb)	0-71	4.1	224	0.041	-0.101, 0.183	0.570
	PES NO_2 (ppb)	0-71	9.3	224	-0.031	-0.140, 0.076	0.569
	Ambient O_3 (ppb)	0	15.2	206	0.021	-0.171, 0.214	0.826
		0-2	15.2	195	-0.043	-0.241, 0.155	0.667
		0-11	16.1	211	-0.140	-0.323, 0.042	0.130
		0-23	13.7	213	-0.086	-0.262, 0.090	0.335
		0-47	11.3	214	-0.043	-0.215, 0.130	0.625
		0-71	11.0	213	-0.074	-0.260, 0.112	0.431
		0-95	10.3	214	-0.045	-0.243, 0.153	0.654
Ln of C-reactive protein (mg/L)	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	203	0.117	0.005, 0.228	0.041
		0-2	5.8	197	0.146	0.029, 0.263	0.015
		0-11	5.4	205	0.111	-0.002, 0.224	0.053
		0-23	4.9	207	0.072	-0.056, 0.199	0.269
		0-47	4.6	207	0.046	-0.088, 0.181	0.497
		0-71	4.7	208	0.015	-0.136, 0.166	0.841
		0-95	4.3	207	-0.051	-0.201, 0.099	0.500
	Ambient CO (ppm)	0	0.126	206	0.125	-0.074, 0.324	0.215
		0-2	0.143	202	0.206	-0.005, 0.417	0.056
		0-11	0.144	208	0.188	0.044, 0.332	0.011
		0-23	0.129	209	0.192	0.027, 0.357	0.023
		0-47	0.109	209	0.147	-0.011, 0.305	0.068
		0-71	0.106	209	0.157	-0.008, 0.322	0.063
		0-95	0.108	208	0.153	-0.031, 0.336	0.103
	Ambient NO_2 (ppb)	0	4.6	198	0.021	-0.079, 0.121	0.679
		0-2	5.5	194	0.098	-0.037, 0.234	0.154
		0-11	7.9	201	0.151	0.008, 0.294	0.039
		0-23	6.1	203	0.122	-0.025, 0.268	0.102
		0-47	5.1	203	0.088	-0.049, 0.226	0.206
		0-71	5.2	202	0.138	-0.014, 0.291	0.076

		0-95	4.2	201	0.101	-0.031, 0.233	0.131
	Ambient SO_2 (ppb)	0	0.8	144	0.000	-0.107, 0.107	0.999
		0-2	0.9	143	-0.018	-0.103, 0.066	0.668
		0-11	0.8	145	-0.050	-0.166, 0.066	0.396
		0-23	0.9	147	-0.020	-0.156, 0.115	0.766
		0-47	0.9	148	-0.028	-0.183, 0.128	0.725
		0-71	0.9	148	-0.007	-0.222, 0.207	0.946
		0-95	0.9	147	0.049	-0.185, 0.282	0.678
Systemic Oxidative Stress							
Ln of Nitrotyrosine (nM)	PES O_3 (ppb)	0-71	4.1	224	0.031	-0.041, 0.103	0.398
	PES NO_2 (ppb)	0-71	9.3	224	0.015	-0.040, 0.070	0.582
	Ambient O_3 (ppb)	0	15.2	206	0.040	-0.056, 0.136	0.413
		0-2	15.2	195	0.074	-0.027, 0.175	0.151
		0-11	16.1	211	0.088	-0.004, 0.179	0.061
		0-23	13.7	213	0.055	-0.034, 0.144	0.222
		0-47	11.3	214	0.020	-0.066, 0.107	0.642
		0-71	11.0	213	0.054	-0.039, 0.148	0.252
		0-95	10.3	214	0.043	-0.055, 0.140	0.387
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	203	-0.034	-0.090, 0.022	0.236
		0-2	5.8	197	-0.057	-0.116, 0.001	0.056
		0-11	5.4	205	-0.052	-0.108, 0.004	0.067
		0-23	4.9	207	-0.052	-0.116, 0.012	0.108
		0-47	4.6	207	-0.047	-0.113, 0.019	0.164
		0-71	4.7	208	-0.016	-0.090, 0.058	0.665
		0-95	4.3	207	0.008	-0.064, 0.08	0.835
	Ambient CO (ppm)	0	0.126	206	-0.066	-0.166, 0.034	0.194
		0-2	0.143	202	-0.082	-0.191, 0.027	0.140
		0-11	0.144	208	-0.026	-0.101, 0.049	0.487
		0-23	0.129	209	-0.027	-0.113, 0.058	0.528
		0-47	0.109	209	-0.019	-0.100, 0.062	0.643
		0-71	0.106	209	-0.034	-0.118, 0.050	0.425
		0-95	0.108	208	-0.022	-0.114, 0.069	0.630
	Ambient NO_2 (ppb)	0	4.6	198	-0.048	-0.096, 0.001	0.054
		0-2	5.5	194	-0.077	-0.144, -0.010	0.025
		0-11	7.9	201	-0.094	-0.164, -0.023	0.010
		0-23	6.1	203	-0.079	-0.152, -0.005	0.035
		0-47	5.1	203	-0.051	-0.120, 0.017	0.141
		0-71	5.2	202	-0.068	-0.143, 0.007	0.076
		0-95	4.2	201	-0.043	-0.107, 0.022	0.193
	Ambient SO_2 (ppb)	0	0.8	144	-0.020	-0.078, 0.037	0.483
		0-2	0.9	143	-0.010	-0.056, 0.036	0.653
		0-11	0.8	145	0.017	-0.043, 0.077	0.572
		0-23	0.9	147	0.015	-0.056, 0.086	0.672
		0-47	0.9	148	0.028	-0.053, 0.109	0.492
		0-71	0.9	148	0.062	-0.048, 0.172	0.267
		0-95	0.9	147	0.066	-0.053, 0.185	0.274

Prothrombotic							
Microparticle tissue factor activity (pg/mL)	PES O_3 (ppb)	0-71	4.1	223	0.028	-0.001, -0.058	0.056
	PES NO_2 (ppb)	0-71	9.3	223	0.008	-0.016, 0.031	0.526
	Ambient O_3 (ppb)	0	15.2	205	0.013	-0.028, 0.054	0.530
		0-2	15.2	194	0.009	-0.032, 0.049	0.679
		0-11	16.1	210	0.016	-0.026, 0.059	0.448
		0-23	13.7	212	0.002	-0.039, 0.044	0.910
		0-47	11.3	213	-0.012	-0.052, 0.027	0.546
		0-71	11.0	212	-0.026	-0.068, 0.015	0.213
		0-95	10.3	213	-0.032	-0.075, 0.010	0.137
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	202	-0.004	-0.029, 0.020	0.728
		0-2	5.8	196	-0.005	-0.030, 0.020	0.704
		0-11	5.4	204	-0.021	-0.046, 0.004	0.100
		0-23	4.9	206	-0.028	-0.056, 0.001	0.055
		0-47	4.6	206	-0.034	-0.063, -0.005	0.024
		0-71	4.7	207	-0.036	-0.070, -0.002	0.037
		0-95	4.3	206	-0.031	-0.064, 0.001	0.059
	Ambient CO (ppm)	0	0.126	205	-0.023	-0.062, 0.017	0.256
		0-2	0.143	201	-0.026	-0.067, 0.016	0.223
		0-11	0.144	207	-0.016	-0.048, 0.016	0.327
		0-23	0.129	208	-0.014	-0.050, 0.022	0.439
		0-47	0.109	208	-0.007	-0.041, 0.026	0.673
		0-71	0.106	208	-0.004	-0.039, 0.031	0.828
		0-95	0.108	207	-0.002	-0.039, 0.035	0.906
	Ambient NO_2 (ppb)	0	4.6	197	-0.019	-0.039, 0.001	0.064
		0-2	5.5	193	-0.020	-0.046, 0.006	0.125
		0-11	7.9	200	-0.004	-0.034, 0.025	0.784
		0-23	6.1	202	-0.002	-0.031, 0.027	0.897
		0-47	5.1	202	-0.005	-0.032, 0.022	0.702
		0-71	5.2	201	0.003	-0.026, 0.032	0.859
		0-95	4.2	200	0.001	-0.024, 0.026	0.957
	Ambient SO_2 (ppb)	0	0.8	145	-0.006	-0.030, 0.018	0.623
		0-2	0.9	144	-0.005	-0.023, 0.013	0.602
		0-11	0.8	146	-0.010	-0.037, 0.016	0.441
		0-23	0.9	148	-0.013	-0.044, 0.019	0.432
		0-47	0.9	148	-0.014	-0.051, 0.023	0.465
		0-71	0.9	148	-0.023	-0.075, 0.028	0.373
		0-95	0.9	147	-0.007	-0.063, 0.049	0.800
Ln of Monocyte platelet conjugates (count)	PES O_3 (ppb)	0-71	4.1	198	-0.107	-0.213, -0.002	0.046
	PES NO_2 (ppb)	0-71	9.3	198	-0.058	-0.139, 0.023	0.157
	Ambient O_3	0	15.2	181	0.107	-0.042, 0.257	0.157
		0-2	15.2	172	0.146	-0.008, 0.300	0.063

	(ppb)	0-11	16.1	188	0.074	-0.073, 0.221	0.321
		0-23	13.7	190	0.073	-0.069, 0.215	0.309
		0-47	11.3	190	0.092	-0.042, 0.225	0.177
		0-71	11.0	189	0.091	-0.053, 0.235	0.212
		0-95	10.3	189	0.072	-0.075, 0.218	0.335
		0	5.9	183	0.028	-0.059, 0.114	0.527
		0-2	5.8	179	0.010	-0.078, 0.099	0.819
	Ambient	0-11	5.4	185	0.005	-0.084, 0.094	0.909
	$PM_{2.5}$	0-23	4.9	186	-0.014	-0.116, 0.089	0.791
	($\mu g/m^3$)	0-47	4.6	186	-0.001	-0.108, 0.106	0.984
		0-71	4.7	187	-0.028	-0.144, 0.089	0.639
		0-95	4.3	186	-0.006	-0.118, 0.107	0.922
		0	0.126	180	0.072	-0.079, 0.223	0.348
		0-2	0.143	177	0.019	-0.145, 0.183	0.820
	Ambient	0-11	0.144	183	0.032	-0.085, 0.150	0.584
	CO	0-23	0.129	184	0.034	-0.099, 0.168	0.610
	(ppm)	0-47	0.109	184	0.023	-0.102, 0.148	0.717
		0-71	0.106	184	0.021	-0.110, 0.153	0.746
		0-95	0.108	183	0.033	-0.105, 0.172	0.635
		0	4.6	175	0.013	-0.058, 0.084	0.716
		0-2	5.5	172	-0.015	-0.113, 0.082	0.756
	Ambient	0-11	7.9	179	0.016	-0.092, 0.123	0.774
	NO_2	0-23	6.1	181	0.011	-0.097, 0.120	0.838
	(ppb)	0-47	5.1	181	0.004	-0.098, 0.105	0.942
		0-71	5.2	181	-0.003	-0.113, 0.107	0.951
		0-95	4.2	180	0.007	-0.086, 0.100	0.878
		0	0.8	128	-0.013	-0.089, 0.062	0.727
		0-2	0.9	127	-0.003	-0.060, 0.054	0.919
	Ambient	0-11	0.8	130	0.003	-0.074, 0.080	0.937
	SO_2	0-23	0.9	131	0.022	-0.075, 0.118	0.656
	(ppb)	0-47	0.9	132	0.025	-0.087, 0.137	0.661
		0-71	0.9	132	0.034	-0.120, 0.187	0.663
		0-95	0.9	131	0.059	-0.106, 0.224	0.477
Lung Function							
	PES O_3 (ppb)	0-71	4.1	228	-0.001	-0.022, 0.020	0.920
	PES NO_2 (ppb)	0-71	9.3	228	-0.002	-0.018, 0.014	0.798
		0	15.2	210	0.012	-0.016, 0.039	0.410
FEV_1		0-2	15.2	199	0.011	-0.017, 0.039	0.433
(L)	Ambient	0-11	16.1	215	0.003	-0.024, 0.029	0.841
	O_3	0-23	13.7	217	0.003	-0.022, 0.029	0.793
	(ppb)	0-47	11.3	218	0.010	-0.015, 0.035	0.430
		0-71	11.0	217	0.021	-0.006, 0.048	0.121
		0-95	10.3	218	0.026	-0.002, 0.055	0.069
	Ambient	**0**	**5.9**	**207**	**-0.022**	**-0.037, -0.006**	**0.007**
	$PM_{2.5}$	0-2	5.8	201	-0.022	-0.039, -0.005	0.010
	($\mu g/m^3$)	0-11	5.4	209	-0.020	-0.037, -0.003	0.020

		0-23	4.9	211	-0.021	-0.041, -0.002	0.031
		0-47	4.6	211	-0.023	-0.043, -0.002	0.030
		0-71	4.7	212	-0.022	-0.045, 0.000	0.053
		0-95	4.3	211	-0.017	-0.039, 0.005	0.119
		0	**0.126**	**210**	**-0.040**	**-0.068, -0.012**	**0.006**
		0-2	**0.143**	**206**	**-0.046**	**-0.076, -0.016**	**0.003**
	Ambient CO (ppm)	0-11	0.144	212	-0.019	-0.041, 0.003	0.086
		0-23	0.129	213	-0.027	-0.052, -0.002	0.035
		0-47	0.109	213	-0.029	-0.053, -0.005	0.017
		0-71	0.106	213	-0.027	-0.052, -0.002	0.031
		0-95	0.108	212	-0.029	-0.056, -0.002	0.034
		0	4.6	201	-0.009	-0.022, 0.004	0.189
		0-2	5.5	197	-0.016	-0.035, 0.003	0.094
	Ambient NO_2 (ppb)	0-11	7.9	204	-0.003	-0.024, 0.017	0.746
		0-23	6.1	206	-0.010	-0.032, 0.011	0.332
		0-47	5.1	206	-0.018	-0.038, 0.002	0.078
		0-71	**5.2**	**205**	**-0.030**	**-0.052, -0.008**	**0.007**
		0-95	4.2	204	-0.024	-0.043, -0.005	0.014
		0	0.8	148	0.001	-0.013, 0.016	0.870
		0-2	0.9	147	-0.004	-0.016, 0.008	0.534
	Ambient SO_2 (ppb)	0-11	0.8	149	0.003	-0.014, 0.019	0.737
		0-23	0.9	151	-0.003	-0.022, 0.017	0.775
		0-47	0.9	152	-0.004	-0.026, 0.019	0.746
		0-71	0.9	152	-0.006	-0.038, 0.025	0.679
		0-95	0.9	151	-0.001	-0.035, 0.032	0.936
	PES O_3 (ppb)	0-71	4.1	228	0.002	-0.021, 0.0256	0.856
	PES NO_2 (ppb)	0-71	9.3	228	-0.002	-0.020, 0.016	0.812
		0	15.2	210	0.010	-0.021, 0.040	0.534
		0-2	15.2	199	0.009	-0.023, 0.040	0.585
	Ambient O_3 (ppb)	0-11	16.1	215	-0.001	-0.031, 0.028	0.939
		0-23	13.7	217	0.007	-0.021, 0.035	0.628
		0-47	11.3	218	0.014	-0.013, 0.042	0.296
		0-71	11.0	217	0.019	-0.010, 0.049	0.199
FVC (L)		0-95	10.3	218	0.024	-0.008, 0.055	0.136
		0	5.9	207	-0.021	-0.039, -0.003	0.023
		0-2	5.8	201	-0.021	-0.040, -0.001	0.036
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0-11	5.4	209	-0.023	-0.041, -0.004	0.017
		0-23	4.9	211	-0.025	-0.046, -0.003	0.024
		0-47	4.6	211	-0.026	-0.048, -0.004	0.024
		0-71	4.7	212	-0.028	-0.053, -0.004	0.025
		0-95	4.3	211	-0.022	-0.046, 0.003	0.080
		0	0.126	210	-0.032	-0.063, -0.001	0.044
	Ambient CO (ppm)	0-2	0.143	206	-0.034	-0.068, 0.000	0.051
		0-11	0.144	212	-0.015	-0.039, 0.009	0.217
		0-23	0.129	213	-0.024	-0.052, 0.003	0.085
		0-47	0.109	213	-0.028	-0.054, -0.002	0.038

		0-71	0.106	213	-0.028	-0.055, 0.000	0.049
		0-95	0.108	212	-0.030	-0.059, 0.000	0.051
	Ambient NO_2 (ppb)	0	4.6	201	-0.007	-0.022, 0.008	0.342
		0-2	5.5	197	-0.011	-0.031, 0.010	0.293
		0-11	7.9	204	-0.001	-0.024, 0.021	0.899
		0-23	6.1	206	-0.013	-0.036, 0.011	0.283
		0-47	5.1	206	-0.020	-0.042, 0.001	0.066
		0-71	**5.2**	**205**	**-0.033**	**-0.057, -0.008**	**0.009**
		0-95	4.2	204	-0.026	-0.047, -0.005	0.017
	Ambient SO_2 (ppb)	0	0.8	148	0.010	-0.005, 0.024	0.204
		0-2	0.9	147	0.003	-0.010, 0.016	0.623
		0-11	0.8	149	0.012	-0.006, 0.029	0.191
		0-23	0.9	151	0.004	-0.017, 0.024	0.733
		0-47	0.9	152	-0.0005	-0.024, 0.023	0.967
		0-71	0.9	152	-0.001	-0.034, 0.031	0.930
		0-95	0.9	151	0.005	-0.031, 0.040	0.795
Lung Injury							
CC16 (ng/mL)	PES O_3 (ppb)	0-71	4.1	224	-0.33	-1.06, 0.40	0.377
	PES NO_2 (ppb)	0-71	9.3	224	0.43	-0.13, 0.97	0.126
	Ambient O_3 (ppb)	0	15.2	206	-0.25	-1.20, 0.71	0.612
		0-2	15.2	195	-0.19	-1.19, 0.81	0.703
		0-11	16.1	211	-0.21	-1.13, 0.71	0.651
		0-23	13.7	213	-0.26	-1.16, 0.63	0.558
		0-47	11.3	214	-0.08	-0.97, 0.81	0.856
		0-71	11.0	213	-0.27	-1.23, 0.69	0.579
		0-95	10.3	214	-0.38	-1.38, 0.62	0.450
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	203	0.32	-0.21, 0.85	0.238
		0-2	5.8	197	0.38	-0.18, 0.94	0.183
		0-11	5.4	205	0.35	-0.19, 0.90	0.204
		0-23	4.9	207	0.19	-0.43, 0.81	0.547
		0-47	4.6	207	-0.17	-0.83, 0.48	0.599
		0-71	4.7	208	-0.38	-1.10, 0.34	0.303
		0-95	4.3	207	-0.32	-1.02, 0.38	0.365
	Ambient CO (ppm)	0	0.1	206	0.76	-0.23, 1.76	0.131
		0-2	0.1	202	0.63	-0.47, 1.73	0.259
		0-11	0.1	208	-0.03	-0.78, 0.72	0.943
		0-23	0.1	209	0.07	-0.79, 0.93	0.871
		0-47	0.1	209	-0.06	-0.89, 0.76	0.881
		0-71	0.1	209	0.01	-0.85, 0.87	0.990
		0-95	0.1	208	0.15	-0.79, 1.08	0.758
	Ambient NO_2 (ppb)	0	4.6	198	0.01	-0.48, 0.49	0.973
		0-2	5.5	194	0.02	-0.66, 0.71	0.950
		0-11	7.9	201	0.03	-0.69, 0.75	0.934
		0-23	6.1	203	0.00	-0.74, 0.75	0.997
		0-47	5.1	203	-0.20	-0.91, 0.50	0.571
		0-71	5.2	202	-0.04	-0.82, 0.75	0.923

	0-95	4.2	201	-0.09	-0.76, 0.59	0.801
Ambient SO_2 (ppb)	0	0.8	144	0.35	-0.13, 0.83	0.154
	0-2	0.9	143	0.20	-0.19, 0.59	0.318
	0-11	0.8	145	-0.05	-0.54, 0.45	0.854
	0-23	0.9	147	0.00	-0.59, 0.59	0.997
	0-47	0.9	148	0.05	-0.63, 0.73	0.885
	0-71	0.9	148	0.04	-0.90, 0.98	0.930
	0-95	0.9	147	0.36	-0.66, 1.38	0.482

Additional Materials 1, Table 5. Aim 4 Primary Outcomes: Difference in the Pre- to Post-exposure change associated with each interquartile range (IQR) increase in PES and ambient air pollutant concentrations, by lag hours

Outcome	Pollutant	Lag Hours	IQR	N	Difference	95% Confidence Interval	p-value
Heart Rate Variability (HRV)							
Ln of HF (ms^2)	PES O_3 (ppb)	0-71	4.1	661	0.084	-0.054, 0.222	0.234
	PES NO_2 (ppb)	0-71	9.3	661	-0.075	-0.185, 0.036	0.187
	Ambient O_3 (ppb)	0	15.2	608	0.134	-0.059, 0.328	0.172
		0-2	15.2	575	0.067	-0.128, 0.260	0.498
		0-11	16.1	622	-0.019	-0.211, 0.173	0.849
		0-23	13.7	628	0.091	-0.096, 0.279	0.340
		0-47	11.3	631	0.218	0.034, 0.401	0.020
		0-71	11.0	628	0.233	0.034, 0.431	0.022
		0-95	10.3	631	0.246	0.039, 0.453	0.020
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	599	-0.044	-0.164, 0.076	0.474
		0-2	5.8	582	-0.055	-0.180, 0.070	0.388
		0-11	5.4	605	-0.007	-0.130, 0.116	0.909
		0-23	4.9	611	-0.047	-0.186, 0.092	0.507
		0-47	4.6	611	-0.085	-0.230, 0.061	0.255
		0-71	4.7	614	-0.124	-0.285, 0.037	0.131
		0-95	4.3	611	-0.145	-0.301, 0.010	0.067
	Ambient CO (ppm)	0	0.126	609	-0.014	-0.216, 0.188	0.893
		0-2	0.143	597	0.015	-0.199, 0.230	0.888
		0-11	0.144	614	0.090	-0.066, 0.245	0.259
		0-23	0.129	617	0.009	-0.171, 0.189	0.925
		0-47	0.109	617	-0.089	-0.258, 0.081	0.304
		0-71	0.106	617	-0.081	-0.253, 0.092	0.360
		0-95	0.108	614	-0.055	-0.238, 0.127	0.552
	Ambient NO_2 (ppb)	0	4.6	583	0.011	-0.087, 0.110	0.823
		0-2	5.5	571	0.034	-0.096, 0.165	0.606
		0-11	7.9	591	0.060	-0.086, 0.206	0.418
		0-23	6.1	597	0.002	-0.148, 0.152	0.979
		0-47	5.1	597	-0.047	-0.187, 0.093	0.511
		0-71	5.2	594	-0.082	-0.233, 0.069	0.287
		0-95	4.2	591	-0.045	-0.173, 0.083	0.490
	Ambient SO_2 (ppb)	0	0.8	428	0.022	-0.083, 0.128	0.676
		0-2	0.9	425	-0.001	-0.081, 0.078	0.972
		0-11	0.8	431	-0.017	-0.130, 0.096	0.764
		0-23	0.9	436	-0.042	-0.177, 0.093	0.539
		0-47	0.9	439	-0.053	-0.211, 0.104	0.504

		0-71	0.9	439	-0.019	-0.235, 0.197	0.863
		0-95	0.9	436	-0.023	-0.258, 0.211	0.844
	PES O_3 (ppb)	0-71	4.1	661	0.015	-0.116, 0.147	0.822
	PES NO_2 (ppb)	0-71	9.3	661	0.043	-0.062, 0.148	0.419
	Ambient O_3 (ppb)	0	15.2	608	-0.017	-0.197, 0.163	0.855
		0-2	15.2	575	-0.094	-0.277, 0.088	0.309
		0-11	16.1	622	-0.051	-0.231, 0.129	0.576
		0-23	13.7	628	0.018	-0.158, 0.194	0.839
		0-47	11.3	631	0.086	-0.086, 0.259	0.325
		0-71	11.0	628	0.090	-0.096, 0.277	0.341
		0-95	10.3	631	0.093	-0.103, 0.289	0.350
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	599	-0.123	-0.233, -0.013	0.029
		0-2	5.8	582	-0.085	-0.199, 0.028	0.140
		0-11	5.4	605	-0.055	-0.168, 0.056	0.343
		0-23	4.9	611	-0.073	-0.203, 0.057	0.269
		0-47	4.6	611	-0.140	-0.277, -0.003	0.045
		0-71	4.7	614	-0.180	-0.332, -0.028	0.020
		0-95	**4.3**	**611**	**-0.203**	**-0.350, -0.055**	**0.007**
Ln of LF (ms^2)	Ambient CO (ppm)	0	0.126	609	-0.035	-0.224, 0.154	0.717
		0-2	0.143	597	0.049	-0.149, 0.248	0.626
		0-11	0.144	614	0.045	-0.099, 0.189	0.542
		0-23	0.129	617	-0.003	-0.170, 0.163	0.969
		0-47	0.109	617	-0.079	-0.237, 0.079	0.325
		0-71	0.106	617	-0.121	-0.281, 0.040	0.141
		0-95	0.108	614	-0.116	-0.287, 0.055	0.184
	Ambient NO_2 (ppb)	0	4.6	583	0.055	-0.038, 0.147	0.245
		0-2	5.5	571	0.110	-0.012, 0.232	0.078
		0-11	7.9	591	0.067	-0.069, 0.203	0.333
		0-23	6.1	597	0.028	-0.112, 0.167	0.697
		0-47	5.1	597	-0.025	-0.156, 0.106	0.711
		0-71	5.2	594	-0.050	-0.192, 0.091	0.486
		0-95	4.2	591	-0.015	-0.135, 0.105	0.806
	Ambient SO_2 (ppb)	0	0.8	428	-0.008	-0.104, 0.087	0.866
		0-2	0.9	425	-0.040	-0.110, 0.031	0.270
		0-11	0.8	431	-0.069	-0.171, 0.033	0.184
		0-23	0.9	436	-0.051	-0.173, 0.072	0.416
		0-47	0.9	439	0.001	-0.146, 0.148	0.987
		0-71	0.9	439	0.049	-0.152, 0.251	0.631
		0-95	0.9	436	0.081	-0.138, 0.299	0.468
Repolarization							
Ln of	PES O_3	0-71	4.1	661	-0.002	-0.018, 0.014	0.809

T-wave amplitude (5 min) (μV)	(ppb)						
	PES NO_2 (ppb)	0-71	9.3	661	-0.010	-0.023, 0.003	0.134
	Ambient O_3 (ppb)	0	15.2	608	0.004	-0.019, 0.026	0.756
		0-2	15.2	575	0.008	-0.015, 0.031	0.475
		0-11	16.1	622	-0.013	-0.035, 0.008	0.231
		0-23	13.7	628	-0.004	-0.026, 0.017	0.683
		0-47	11.3	631	-0.008	-0.029, 0.013	0.448
		0-71	11.0	628	-0.011	-0.033, 0.012	0.351
		0-95	10.3	631	-0.009	-0.033, 0.015	0.462
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	599	-0.004	-0.017, 0.010	0.603
		0-2	5.8	582	0.000	-0.014, 0.015	0.960
		0-11	5.4	605	0.004	-0.010, 0.017	0.613
		0-23	4.9	611	0.002	-0.014, 0.017	0.826
		0-47	4.6	611	0.013	-0.004, 0.029	0.132
		0-71	4.7	614	0.013	-0.005,0.031	0.160
		0-95	4.3	611	0.009	-0.009, 0.026	0.340
	Ambient CO (ppm)	0	0.126	609	-0.001	-0.024, 0.023	0.958
		0-2	0.143	597	-0.003	-0.029, 0.022	0.795
		0-11	0.144	614	0.002	-0.016, 0.020	0.830
		0-23	0.129	617	0.001	-0.020, 0.021	0.965
		0-47	0.109	617	0.006	-0.013, 0.026	0.522
		0-71	0.106	617	0.016	-0.004, 0.036	0.110
		0-95	0.108	614	0.017	-0.005, 0.038	0.122
	Ambient NO_2 (ppb)	0	4.6	583	-0.002	-0.013, 0.009	0.724
		0-2	5.5	571	-0.006	-0.021, 0.009	0.406
		0-11	7.9	591	0.002	-0.014, 0.019	0.794
		0-23	6.1	597	0.005	-0.012, 0.022	0.579
		0-47	5.1	597	0.007	-0.009, 0.023	0.363
		0-71	5.2	594	0.008	-0.009, 0.025	0.357
		0-95	4.2	591	0.008	-0.006, 0.023	0.263
	Ambient SO_2 (ppb)	0	0.8	428	-0.003	-0.017, 0.010	0.621
		0-2	0.9	425	-0.002	-0.012, 0.008	0.690
		0-11	0.8	431	-0.006	-0.020, 0.008	0.397
		0-23	0.9	436	-0.009	-0.026, 0.007	0.267
		0-47	0.9	439	0.005	-0.014, 0.024	0.619
		0-71	0.9	439	0.017	-0.009, 0.044	0.194
		0-95	0.9	436	0.013	-0.016, 0.041	0.378
ST Segment							
ST segment in V5 (5 min) (μV)	PES O_3 (ppb)	0-71	4.1	661	-0.7	-2.1, 1.0	0.313
	PES NO_2 (ppb)	0-71	9.3	661	0.1	-1.0, 1.2	0.845
	Ambient O_3 (ppb)	0	15.2	608	-0.5	-2.4, 1.4	0.596
		0-2	15.2	575	-0.5	-2.4, 1.4	0.582
		0-11	16.1	622	-2.4	-4.2, -0.6	0.010
		0-23	13.7	628	-2.0	-3.8, -0.2	0.026

		0-47	11.3	631	-2.1	-3.8, -0.3	0.019
		0-71	**11.0**	**628**	**-2.6**	**-4.4, -0.7**	**0.007**
		0-95	**10.3**	**631**	**-3.0**	**-5.0, -1.0**	**0.003**
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	599	-1.0	-2.1, 0.1	0.073
		0-2	5.8	582	-0.8	-1.9, 0.4	0.185
		0-11	5.4	605	-0.1	-1.2, 1.0	0.843
		0-23	4.9	611	-0.3	-1.6, 1.0	0.641
		0-47	4.6	611	0.8	-0.6, 2.1	0.256
		0-71	4.7	614	1.3	-0.2, 2.7	0.094
		0-95	4.3	611	1.3	-0.1, 2.8	0.073
	Ambient CO (ppm)	0	0.126	609	-1.0	-3.0, 1.0	0.314
		0-2	0.143	597	-1.0	-3.1, 1.1	0.349
		0-11	0.144	614	0.2	-1.3, 1.7	0.760
		0-23	0.129	617	0.1	-1.6, 1.8	0.906
		0-47	0.109	617	0.3	-1.3, 2.0	0.678
		0-71	0.106	617	1.5	-0.1, 3.2	0.071
		0-95	0.108	614	1.8	0.0, 3.6	0.050
	Ambient NO_2 (ppb)	0	4.6	583	-0.4	-1.4, 0.5	0.378
		0-2	5.5	571	-0.5	-1.8, 0.8	0.442
		0-11	7.9	591	0.4	-1.1, 1.8	0.619
		0-23	6.1	597	0.8	-0.6, 2.3	0.259
		0-47	5.1	597	1.1	-0.3, 2.5	0.121
		0-71	5.2	594	1.3	-0.2, 2.8	0.079
		0-95	4.2	591	1.3	0.0, 2.5	0.048
	Ambient SO_2 (ppb)	0	0.8	428	-0.2	-1.2, 0.8	0.706
		0-2	0.9	425	0.1	-0.7, 0.9	0.780
		0-11	0.8	431	0.2	-0.9, 1.3	0.696
		0-23	0.9	436	-0.2	-1.4, 1.1	0.783
		0-47	0.9	439	0.9	-0.6, 2.3	0.248
		0-71	0.9	439	1.5	-0.5, 3.5	0.135
		0-95	0.9	436	1.2	-1.0, 3.4	0.282
Vascular Function							
Systolic Blood Pressure (mmHg)	PES O_3 (ppb)	0-71	4.1	684	-1.1	-2.0, -0.1	0.032
	PES NO_2 (ppb)	0-71	9.3	684	0.8	0.0, 1.6	0.043
	Ambient O_3 (ppb)	0	15.2	630	-1.2	-2.5, 0.2	0.085
		0-2	15.2	597	-0.7	-2.0, 0.6	0.297
		0-11	16.1	645	-0.4	-1.8, 1.0	0.557
		0-23	13.7	651	-1.0	-2.3, 0.4	0.156
		0-47	11.3	654	-1.0	-2.2, 0.3	0.129
		0-71	11.0	651	-1.1	-2.4, 0.3	0.112
		0-95	10.3	654	-1.3	-2.7, 0.1	0.073
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	621	-0.7	-1.5, 0.1	0.102
		0-2	5.8	603	-1.1	-2.0, -0.3	0.010
		0-11	5.4	627	-0.7	-1.6, 0.1	0.094
		0-23	4.9	633	-0.8	-1.8, 0.2	0.101
		0-47	4.6	633	-0.1	-1.2, 0.9	0.840

		0-71	4.7	636	0.1	-1.0, 1.3	0.820
		0-95	4.3	633	0.1	-1.0, 1.2	0.882
		0	0.126	630	-0.5	-1.9, 0.9	0.474
		0-2	0.143	618	-0.7	-2.2, 0.8	0.362
	Ambient	0-11	0.144	636	-0.3	-1.4, 0.8	0.599
	CO	0-23	0.129	639	-0.3	-1.6, 0.9	0.627
	(ppm)	0-47	0.109	639	-0.3	-1.4, 0.9	0.626
		0-71	0.106	639	-0.2	-1.4, 1.0	0.749
		0-95	0.108	636	-0.2	-1.5, 1.1	0.770
		0	4.6	603	0.1	-0.6, 0.8	0.697
		0-2	5.5	591	-0.1	-1.0, 0.8	0.780
	Ambient	0-11	7.9	612	-0.4	-1.4, 0.7	0.496
	NO_2	0-23	6.1	618	-0.4	-1.5, 0.6	0.417
	(ppb)	0-47	5.1	618	-0.6	-1.6, 0.4	0.223
		0-71	5.2	615	-0.8	-1.9, 0.3	0.146
		0-95	4.2	612	-0.6	-1.5, 0.4	0.232
		0	0.8	444	-0.7	-1.5, 0.0	0.055
		0-2	0.9	441	-0.6	-1.2, 0.0	0.062
	Ambient	0-11	0.8	447	-0.2	-1.0, 0.7	0.714
	SO_2	0-23	0.9	453	-0.2	-1.2, 0.8	0.627
	(ppb)	0-47	0.9	456	0.1	-1.0, 1.3	0.813
		0-71	0.9	456	0.4	-1.2, 2.0	0.633
		0-95	0.9	453	0.5	-1.2, 2.2	0.553
	PES O_3 (ppb)	0-71	4.1	191	-0.1	-0.6, 0.3	0.556
	PES NO_2 (ppb)	0-71	9.3	191	0.2	-0.2, 0.6	0.361
		0	15.2	177	0.0	-0.8, 0.7	0.996
		0-2	15.2	166	-0.3	-1.1, 0.4	0.404
	Ambient	0-11	16.1	180	-0.3	-1.1, 0.5	0.424
	O_3	0-23	13.7	182	-0.4	-1.2, 0.3	0.224
	(ppb)	0-47	11.3	182	-0.5	-1.1, 0.2	0.176
		0-71	11.0	181	-0.7	-1.4, 0.0	0.067
Flow mediated		0-95	10.3	181	-0.7	-1.4, 0.1	0.077
dilation		0	5.9	172	0.0	-0.5, 0.4	0.859
(%)		0-2	5.8	166	-0.1	-0.7, 0.4	0.631
	Ambient	0-11	5.4	174	-0.1	-0.6, 0.4	0.712
	$PM_{2.5}$	0-23	4.9	176	0.0	-0.6, 0.5	0.917
	($\mu g/m^3$)	0-47	4.6	176	-0.1	-0.7, 0.4	0.658
		0-71	4.7	177	-0.2	-0.8, 0.4	0.487
		0-95	4.3	177	-0.2	-0.8, 0.4	0.468
		0	0.126	175	-0.2	-0.9, 0.5	0.604
		0-2	0.143	171	-0.2	-0.9, 0.6	0.693
	Ambient	0-11	0.144	177	0.2	-0.4, 0.7	0.537
	CO	0-23	0.129	178	0.2	-0.4, 0.9	0.497
	(ppm)	0-47	0.109	178	0.0	-0.6, 0.6	0.977
		0-71	0.106	178	0.0	-0.6, 0.6	0.978
		0-95	0.108	177	-0.1	-0.7, 0.6	0.849

	Ambient NO_2 (ppb)	0	4.6	167	0.0	-0.4, 0.3	0.868
		0-2	5.5	163	0.0	-0.4, 0.5	0.839
		0-11	7.9	169	0.2	-0.4, 0.7	0.540
		0-23	6.1	170	0.2	-0.3, 0.7	0.337
		0-47	5.1	170	0.1	-0.4, 0.6	0.725
		0-71	5.2	169	0.1	-0.4, 0.6	0.673
		0-95	4.2	168	0.0	-0.4, 0.5	0.864
	Ambient SO_2 (ppb)	0	0.8	120	-0.3	-0.7, 0.1	0.115
		0-2	0.9	119	-0.1	-0.4, 0.3	0.624
		0-11	0.8	121	-0.1	-0.5, 0.3	0.487
		0-23	0.9	123	0.1	-0.3, 0.6	0.550
		0-47	0.9	124	0.0	-0.5, 0.6	0.942
		0-71	0.9	124	-0.1	-0.9, 0.7	0.754
		0-95	0.9	123	-0.3	-1.1, 0.6	0.546
Systemic Inflammation							
Ln of C-reactive protein (mg/L)	PES O_3 (ppb)	0-71	4.1	440	-0.047	-0.110, 0.016	0.144
	PES NO_2 (ppb)	**0-71**	**9.3**	**440**	**-0.084**	**-0.135, -0.034**	**0.001**
	Ambient O_3 (ppb)	0	15.2	405	0.042	-0.045, 0.129	0.339
		0-2	15.2	384	0.048	-0.041, 0.138	0.286
		0-11	16.1	416	0.085	0.000, 0.170	0.049
		0-23	13.7	420	0.079	-0.004, 0.162	0.061
		0-47	11.3	422	0.064	-0.019, 0.148	0.131
		0-71	11.0	420	0.069	-0.021, 0.158	0.132
		0-95	10.3	422	0.042	-0.052, 0.136	0.377
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	402	-0.064	-0.114, -0.013	0.014
		0-2	5.8	390	-0.067	-0.119, -0.016	0.011
		0-11	5.4	406	-0.029	-0.081, 0.024	0.282
		0-23	4.9	410	-0.005	-0.064, 0.054	0.873
		0-47	4.6	410	0.040	-0.022, 0.102	0.203
		0-71	4.7	412	0.058	-0.010, 0.127	0.095
		0-95	4.3	410	0.025	-0.042, 0.092	0.459
	Ambient CO (ppm)	0	0.126	407	-0.066	-0.159, 0.026	0.158
		0-2	0.143	399	-0.084	-0.183, 0.014	0.094
		0-11	0.144	411	-0.030	-0.100, 0.040	0.402
		0-23	0.129	413	-0.004	-0.085, 0.076	0.918
		0-47	0.109	413	0.025	-0.051, 0.101	0.518
		0-71	0.106	413	0.009	-0.069, 0.088	0.816
		0-95	0.108	411	-0.008	-0.091, 0.076	0.859
	Ambient NO_2 (ppb)	**0**	**4.6**	**391**	**-0.056**	**-0.098, -0.015**	**0.008**
		0-2	**5.5**	**383**	**-0.083**	**-0.139, -0.027**	**0.004**
		0-11	7.9	397	-0.039	-0.101, 0.023	0.215
		0-23	6.1	401	-0.012	-0.075, 0.051	0.708
		0-47	5.1	401	0.001	-0.058, 0.060	0.973
		0-71	5.2	400	-0.037	-0.100, 0.026	0.251
		0-95	4.2	398	-0.039	-0.093, 0.015	0.155

		0	0.8	286	0.008	-0.036, 0.051	0.720
		0-2	0.9	284	-0.011	-0.045, 0.023	0.511
	Ambient	0-11	0.8	288	0.005	-0.042, 0.052	0.835
	SO_2	0-23	0.9	292	-0.028	-0.085, 0.028	0.319
	(ppb)	0-47	0.9	294	-0.042	-0.112, 0.028	0.236
		0-71	0.9	294	-0.058	-0.153, 0.038	0.235
		0-95	0.9	292	-0.068	-0.171, 0.036	0.198
Systemic Oxidative Stress							
	PES O_3 (ppb)	0-71	4.1	440	-0.014	-0.052, 0.025	0.491
	PES NO_2 (ppb)	0-71	9.3	440	-0.004	-0.036, 0.028	0.804
		0	15.2	405	-0.031	-0.089, 0.026	0.284
		0-2	15.2	384	-0.045	-0.105, 0.015	0.141
	Ambient	0-11	16.1	416	-0.042	-0.100, 0.016	0.156
	O_3	0-23	13.7	420	-0.035	-0.093, 0.023	0.233
	(ppb)	0-47	11.3	422	-0.041	-0.096, 0.015	0.151
		0-71	11.0	420	-0.072	-0.131, -0.013	0.017
		0-95	10.3	422	-0.060	-0.120, 0.001	0.054
		0	5.9	402	0.013	-0.022, 0.049	0.458
		0-2	5.8	390	0.019	-0.018, 0.057	0.307
	Ambient	0-11	5.4	406	0.016	-0.020, 0.051	0.383
	$PM_{2.5}$	0-23	4.9	410	0.011	-0.029, 0.051	0.596
	($\mu g/m^3$)	0-47	4.6	410	0.011	-0.031, 0.053	0.599
		0-71	4.7	412	-0.010	-0.056, 0.036	0.665
Ln of		0-95	4.3	410	-0.020	-0.064, 0.023	0.358
Nitrotyrosine		0	0.126	407	0.070	0.012, 0.129	0.019
(nM)		0-2	0.143	399	0.072	0.010, 0.135	0.024
	Ambient	0-11	0.144	411	0.028	-0.016, 0.073	0.210
	CO	0-23	0.129	413	0.010	-0.041, 0.061	0.703
	(ppm)	0-47	0.109	413	0.009	-0.039, 0.057	0.710
		0-71	0.106	413	0.017	-0.032, 0.066	0.505
		0-95	0.108	411	0.005	-0.047, 0.057	0.846
		0	4.6	391	0.035	0.008, 0.062	0.012
		0-2	5.5	383	0.044	0.008, 0.079	0.017
	Ambient	**0-11**	**7.9**	**397**	**0.055**	**0.015, 0.095**	**0.007**
	NO_2	0-23	6.1	401	0.037	-0.003, 0.077	0.069
	(ppb)	0-47	5.1	401	0.039	0.002, 0.077	0.038
		0-71	5.2	400	0.052	0.012, 0.092	0.011
		0-95	4.2	398	0.031	-0.003, 0.066	0.070
		0	0.8	286	-0.003	-0.035, 0.029	0.866
		0-2	0.9	284	-0.004	-0.029, 0.021	0.739
	Ambient	0-11	0.8	288	0.001	-0.033, 0.034	0.975
	SO_2	0-23	0.9	292	0.011	-0.029, 0.052	0.577
	(ppb)	0-47	0.9	294	0.006	-0.040, 0.053	0.789
		0-71	0.9	294	-0.003	-0.067, 0.060	0.918
		0-95	0.9	292	0.020	-0.049, 0.088	0.571
Prothrombotic							

Microparticle tissue factor activity (pg/mL)	PES O_3 (ppb)	0-71	4.1	439	-0.024	-0.047, -0.001	0.041
	PES NO_2 (ppb)	0-71	9.3	439	-0.001	-0.020, 0.018	0.954
	Ambient O_3 (ppb)	0	15.2	404	-0.020	-0.053, 0.013	0.225
		0-2	15.2	382	-0.021	-0.055, 0.012	0.202
		0-11	16.1	414	-0.029	-0.063, 0.005	0.090
		0-23	13.7	418	-0.022	-0.055, 0.011	0.192
		0-47	11.3	420	-0.007	-0.039, 0.025	0.664
		0-71	11.0	418	0.006	-0.028, 0.041	0.712
		0-95	10.3	420	0.006	-0.029, 0.041	0.726
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	399	0.007	-0.012, 0.025	0.467
		0-2	5.8	387	0.006	-0.013, 0.025	0.536
		0-11	5.4	403	0.014	-0.005, 0.033	0.156
		0-23	4.9	407	0.020	-0.003, 0.043	0.090
		0-47	4.6	407	0.026	0.002, 0.050	0.037
		0-71	4.7	409	0.021	-0.007, 0.049	0.139
		0-95	4.3	407	0.016	-0.011, 0.043	0.236
	Ambient CO (ppm)	0	0.126	406	0.020	-0.013, 0.053	0.236
		0-2	0.143	398	0.022	-0.013, 0.057	0.222
		0-11	0.144	409	0.020	-0.006, 0.045	0.131
		0-23	0.129	411	0.021	-0.008, 0.050	0.158
		0-47	0.109	411	0.010	-0.018, 0.037	0.482
		0-71	0.106	411	0.002	-0.026, 0.030	0.883
		0-95	0.108	409	0.005	-0.026, 0.035	0.768
	Ambient NO_2 (ppb)	0	4.6	389	0.005	-0.011, 0.021	0.537
		0-2	5.5	381	0.006	-0.016, 0.027	0.612
		0-11	7.9	395	-0.008	-0.032, 0.016	0.524
		0-23	6.1	399	-0.007	-0.032, 0.017	0.547
		0-47	5.1	399	-0.005	-0.028, 0.017	0.654
		0-71	5.2	397	-0.013	-0.038, 0.011	0.283
		0-95	4.2	395	-0.005	-0.026, 0.016	0.616
	Ambient SO_2 (ppb)	0	0.8	287	0.011	-0.008, 0.03	0.241
		0-2	0.9	285	0.005	-0.01, 0.019	0.534
		0-11	0.8	289	0.008	-0.013, 0.029	0.430
		0-23	0.9	293	0.005	-0.020, 0.030	0.683
		0-47	0.9	293	0.001	-0.029, 0.030	0.955
		0-71	0.9	293	-0.001	-0.042, 0.040	0.966
		0-95	0.9	291	-0.021	-0.065, 0.023	0.347
Ln of Monocyte platelet conjµgates (count)	PES O_3 (ppb)	0-71	4.1	391	0.076	0.002, 0.150	0.045
	PES NO_2 (ppb)	0-71	9.3	391	0.051	-0.001, 0.111	0.100
	Ambient O_3 (ppb)	0	15.2	358	0.011	-0.103, 0.125	0.853
		0-2	15.2	340	-0.004	-0.121, 0.112	0.943
		0-11	16.1	372	0.002	-0.112, 0.116	0.975

		0-23	13.7	376	-0.028	-0.139, 0.082	0.614
		0-47	11.3	376	-0.050	-0.153, 0.054	0.349
		0-71	11.0	374	-0.055	-0.166, 0.057	0.334
		0-95	10.3	374	-0.024	-0.138, 0.090	0.676
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	363	0.011	-0.053, 0.075	0.737
		0-2	5.8	355	0.026	-0.041, 0.093	0.448
		0-11	5.4	367	0.003	-0.064, 0.071	0.924
		0-23	4.9	369	-0.005	-0.082, 0.071	0.890
		0-47	4.6	369	-0.053	-0.133, 0.027	0.196
		0-71	4.7	371	-0.061	-0.148, 0.026	0.169
		0-95	4.3	369	-0.094	-0.178, -0.011	0.027
	Ambient CO (ppm)	0	0.126	357	-0.098	-0.209, 0.013	0.083
		0-2	0.143	351	-0.072	-0.190, 0.047	0.234
		0-11	0.144	363	-0.028	-0.117, 0.060	0.533
		0-23	0.129	365	-0.043	-0.144, 0.057	0.396
		0-47	0.109	365	-0.055	-0.147, 0.038	0.245
		0-71	0.106	365	-0.059	-0.155, 0.037	0.224
		0-95	0.108	363	-0.082	-0.183, 0.018	0.108
	Ambient NO_2 (ppb)	0	4.6	347	-0.027	-0.079, 0.024	0.295
		0-2	5.5	341	-0.022	-0.091, 0.046	0.523
		0-11	7.9	355	-0.053	-0.132, 0.026	0.187
		0-23	6.1	359	-0.045	-0.124, 0.033	0.256
		0-47	5.1	359	-0.043	-0.115, 0.029	0.241
		0-71	5.2	359	-0.039	-0.116, 0.039	0.328
		0-95	4.2	357	-0.048	-0.113, 0.018	0.152
	Ambient SO_2 (ppb)	0	0.8	253	-0.043	-0.095, 0.009	0.108
		0-2	0.9	251	-0.027	-0.066, 0.012	0.180
		0-11	0.8	257	-0.063	-0.121, -0.005	0.033
		0-23	0.9	259	-0.057	-0.125, 0.012	0.105
		0-47	0.9	261	-0.048	-0.131, 0.036	0.260
		0-71	0.9	261	-0.061	-0.174, 0.052	0.286
		0-95	0.9	259	-0.060	-0.181, 0.061	0.329
Lung Function							
	PES O_3 (ppb)	0-71	4.1	455	0.010	0.004, 0.026	0.010
	PES NO_2 (ppb)	0-71	9.3	455	0.003	-0.006, 0.012	0.524
FEV_1 (L)	Ambient O_3 (ppb)	0	15.2	419	-0.002	-0.018, 0.014	0.777
		0-2	15.2	397	-0.004	-0.021, 0.012	0.591
		0-11	16.1	429	-0.002	-0.018, 0.014	0.829
		0-23	13.7	433	-0.006	-0.021, 0.010	0.486
		0-47	11.3	435	-0.003	-0.018, 0.012	0.722
		0-71	11.0	433	-0.006	-0.022, 0.010	0.432
		0-95	10.3	435	-0.006	-0.022, 0.010	0.477
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	413	0.014	0.005, 0.024	0.004
		0-2	5.8	401	0.012	0.002, 0.023	0.017
		0-11	5.4	417	0.013	0.003, 0.024	0.010
		0-23	**4.9**	**421**	**0.017**	**0.006, 0.029**	**0.003**

		0-47	**4.6**	**421**	**0.018**	**0.006, 0.030**	**0.004**
		0-71	**4.7**	**423**	**0.018**	**0.005, 0.031**	**0.007**
		0-95	4.3	421	0.012	-0.001, 0.024	0.077
	Ambient CO (ppm)	0	0.126	419	0.016	-0.000, 0.033	0.051
		0-2	0.143	411	0.020	0.003, 0.037	0.022
		0-11	0.144	423	0.007	-0.005, 0.020	0.261
		0-23	0.129	425	0.014	-0.000, 0.029	0.052
		0-47	0.109	425	0.012	-0.001, 0.026	0.080
		0-71	0.106	425	0.012	-0.002, 0.026	0.100
		0-95	0.108	423	0.010	-0.005, 0.025	0.179
	Ambient NO_2 (ppb)	0	4.6	401	0.002	-0.005, 0.010	0.535
		0-2	5.5	393	0.007	-0.003, 0.017	0.178
		0-11	7.9	407	0.001	-0.010, 0.013	0.825
		0-23	6.1	411	0.007	-0.005, 0.018	0.273
		0-47	5.1	411	0.007	-0.004, 0.018	0.206
		0-71	5.2	409	0.009	-0.003, 0.021	0.152
		0-95	4.2	407	0.004	-0.006, 0.015	0.404
	Ambient SO_2 (ppb)	0	0.8	295	-0.003	-0.012, 0.006	0.527
		0-2	0.9	293	0.000	-0.007, 0.007	0.971
		0-11	0.8	297	-0.007	-0.016, 0.003	0.164
		0-23	0.9	301	-0.001	-0.012, 0.011	0.926
		0-47	0.9	303	0.002	-0.012, 0.015	0.820
		0-71	0.9	303	0.000	-0.018, 0.018	0.992
		0-95	0.9	301	-0.001	-0.020, 0.018	0.936
	PES O_3 (ppb)	0-71	4.1	455	0.010	-0.009, 0.019	0.473
	PES NO_2 (ppb)	0-71	9.3	455	0.000	-0.012, 0.011	0.980
	Ambient O_3 (ppb)	0	15.2	419	-0.006	-0.026, 0.014	0.573
		0-2	15.2	397	-0.005	-0.025, 0.016	0.649
		0-11	16.1	429	0.000	-0.020, 0.021	0.972
		0-23	13.7	433	-0.008	-0.028, 0.012	0.426
		0-47	11.3	435	-0.003	-0.021, 0.016	0.786
		0-71	11.0	433	-0.003	-0.023, 0.017	0.797
FVC (L)		0-95	10.3	435	-0.001	-0.021, 0.020	0.937
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	0	5.9	413	0.013	0.001, 0.026	0.035
		0-2	5.8	401	0.012	-0.001, 0.025	0.077
		0-11	5.4	417	0.014	0.001, 0.027	0.030
		0-23	4.9	421	0.015	0.001, 0.029	0.039
		0-47	4.6	421	0.013	-0.002, 0.028	0.083
		0-71	4.7	423	0.014	-0.002, 0.031	0.089
		0-95	4.3	421	0.005	-0.011, 0.021	0.552
	Ambient CO (ppm)	0	0.126	419	0.003	-0.017, 0.024	0.762
		0-2	0.143	411	0.004	-0.017, 0.026	0.695
		0-11	0.144	423	0.002	-0.014, 0.018	0.814
		0-23	0.129	425	0.007	-0.011, 0.025	0.455
		0-47	0.109	425	0.005	-0.012, 0.022	0.582
		0-71	0.106	425	0.002	-0.015, 0.019	0.819

		0-95	0.108	423	-0.002	-0.021, 0.016	0.817
	Ambient NO_2 (ppb)	0	4.6	401	0.001	-0.009, 0.011	0.847
		0-2	5.5	393	0.001	-0.012, 0.014	0.897
		0-11	7.9	407	0.000	-0.015, 0.014	0.969
		0-23	6.1	411	0.005	-0.009, 0.020	0.458
		0-47	5.1	411	0.004	-0.009, 0.018	0.544
		0-71	5.2	409	0.006	-0.009, 0.021	0.418
		0-95	4.2	407	0.001	-0.012, 0.013	0.900
	Ambient SO_2 (ppb)	0	0.8	295	-0.005	-0.015, 0.006	0.384
		0-2	0.9	293	-0.005	-0.013, 0.003	0.211
		0-11	0.8	297	-0.014	-0.026, -0.003	0.017
		0-23	0.9	301	-0.007	-0.021, 0.007	0.336
		0-47	0.9	303	0.002	-0.015, 0.018	0.820
		0-71	0.9	303	0.002	-0.020, 0.025	0.827
		0-95	0.9	301	0.001	-0.023, 0.025	0.950
Lung Injury							
CC16 (ng/mL)	PES O_3 (ppb)	0-71	4.1	440	-0.47	-1.04, 0.10	0.108
	PES NO_2 (ppb)	0-71	9.3	440	0.12	-0.35, 0.59	0.622
	Ambient O_3 (ppb)	0	15.2	405	-0.18	-1.01, 0.64	0.659
		0-2	15.2	384	-0.16	-1.02, 0.69	0.711
		0-11	16.1	416	-0.34	-1.17, 0.48	0.411
		0-23	13.7	420	-0.39	-1.21, 0.42	0.339
		0-47	11.3	422	-0.51	-1.31, 0.29	0.212
		0-71	11.0	420	-0.22	-1.08, 0.63	0.606
		0-95	10.3	422	-0.38	-1.27, 0.51	0.401
	Ambient $PM_{2.5}$ ($\mu g/m^3$)	**0**	**5.9**	**402**	**-0.70**	**-1.20, -0.20**	**0.006**
		0-2	5.8	390	-0.66	-1.19, -0.14	0.014
		0-11	**5.4**	**406**	**-0.72**	**-1.24, -0.21**	**0.006**
		0-23	4.9	410	-0.63	-1.21, -0.05	0.032
		0-47	4.6	410	-0.43	-1.03, 0.18	0.167
		0-71	4.7	412	-0.32	-0.99, 0.35	0.346
		0-95	4.3	410	-0.19	-0.83, 0.46	0.566
	Ambient CO (ppm)	0	0.126	407	-0.90	-1.76, -0.04	0.041
		0-2	0.143	399	-0.56	-1.49, 0.36	0.232
		0-11	0.144	411	-0.07	-0.74, 0.61	0.843
		0-23	0.129	413	-0.27	-1.04, 0.49	0.484
		0-47	0.109	413	-0.38	-1.11, 0.34	0.296
		0-71	0.106	413	-0.43	-1.17, 0.32	0.260
		0-95	0.108	411	-0.46	-1.24, 0.33	0.254
	Ambient NO_2 (ppb)	0	4.6	391	0.11	-0.29, 0.50	0.602
		0-2	5.5	383	0.31	-0.22, 0.83	0.247
		0-11	7.9	397	0.32	-0.28, 0.92	0.297
		0-23	6.1	401	0.23	-0.37, 0.83	0.444
		0-47	5.1	401	0.16	-0.40, 0.72	0.568
		0-71	5.2	400	0.05	-0.55, 0.65	0.874
		0-95	4.2	398	0.13	-0.37, 0.64	0.603

	0	0.8	286	-0.18	-0.61, 0.24	0.400
	0-2	0.9	284	0.01	-0.32, 0.34	0.970
Ambient	0-11	0.8	288	0.07	-0.40, 0.54	0.770
SO_2	0-23	0.9	292	0.18	-0.38, 0.73	0.528
(ppb)	0-47	0.9	294	0.66	0.02, 1.31	0.043
	0-71	0.9	294	0.84	-0.04, 1.71	0.062
	0-95	0.9	292	0.43	-0.51, 1.38	0.368