**Supporting Information:**

Table S1. Summary and comparison of rush-hour temporally-adjusted pollutant concentrations by winter and summer seasons.

| | **Summer Season** | | **Winter Season** | | |
|---|---|---|---|---|---|
| **Pollutant** | **Mean (SD)** | **Median** | **Mean (SD)** | **Median** | **p-value between programs** |
| $PM_{2.5}$ (μg/m$^3$) | 13.12 (1.69) | 12.61 | 13.45 (1.63) | 13.41 | 0.29 |
| BC (abs) | 2.09 (0.76) | 1.97 | 1.39 (0.58) | 1.22 | **<0.0001** |
| Total EC (μg/m$^3$) | 1.98 (0.89) | 1.85 | 1.57 (0.74) | 1.48 | **0.03** |
| Total OC (μg/m$^3$) | 2.87 (0.91) | 2.64 | 2.29 (0.62) | 2.03 | **0.003** |
| **Diesel Tracers (ng/m$^3$):** | | | | | |
| Al | 35.24 (35.89) | 23.83 | 28.25 (14.43) | 23.84 | 0.41 |
| Ba | 4.82 (2.93) | 4.38 | 4.72 (2.16) | 3.98 | 0.89 |
| **Ca** | **63.63 (58.10)** | **52.41** | **104.10 (77.85)** | **86.08** | **0.06** |
| Cr | 1.30 (0.69) | 1.29 | 1.26 (0.42) | 1.22 | 0.81 |
| Cu | 5.09 (2.88) | 4.50 | 5.05 (2.04) | 4.36 | 0.95 |
| Fe | 106.17 (48.82) | 107.79 | 115.81 (49.47) | 104.85 | 0.54 |
| Mg | 10.19 (6.59) | 9.74 | 31.86 (69.20) | 14.86 | 0.15 |
| **P** | **3.63 (1.52)** | **3.59** | **4.98 (1.31)** | **4.92** | **0.004** |
| S | 571.15 (216.59) | 615.94 | 587.35 (110.60) | 593.93 | 0.75 |
| **Zn** | **11.07 (5.14)** | **10.70** | **26.86 (9.87)** | **27.06** | **<0.0001** |
| **Tracers of Other Sources (ng/m$^3$):** | | | | | |
| **As** | **0.60 (0.18)** | **0.60** | **0.13 (0.10)** | **0.10** | **<0.0001** |
| **K** | **34.78 (18.87)** | **32.57** | **48.86 (12.19)** | **49.55** | **0.002** |
| Mn | 4.50 (2.50) | 4.31 | 5.65 (2.30) | 5.37 | 0.13 |
| Mo | 1.92 (0.79) | 1.88 | 21.67 (97.61) | 1.77 | 0.33 |
| Ni | 0.58 (0.36) | 0.52 | 2.14 (4.21) | 0.37 | 0.09 |
| Pb | 2.39 (1.01) | 2.40 | 2.54 (0.52) | 2.54 | 0.55 |
| Sb | 1.14 (0.60) | 0.98 | 0.94 (0.30) | 0.85 | 0.17 |
| **Se** | **1.21 (0.37)** | **1.28** | **0.41 (1.86)** | **0.75** | **0.06** |
| Sr | 0.59 (0.31) | 0.57 | 0.56 (0.24) | 0.51 | 0.82 |
| **V** | **0.30 (0.05)** | **0.30** | **0.22 (0.04)** | **0.23** | **<0.0001** |
| **PAHs (ng/m$^3$):** | | | | | |
| Benz[a]anthracene | N/A | N/A | 0.08 (0.04) | 0.07 | N/A |
| Benzo[a]pyrene | 0.07 (0.06) | 0.05 | 0.03 (0.04) | 0.01 | 0.13 |
| **Benzo[e]pyrene** | **0.03 (0.02)** | **0.03** | **0.08 (0.03)** | **0.08** | **0.01** |
| Benzo[ghi]fluoranthene | N/A | N/A | 0.04 (0.02) | 0.04 | N/A |
| **Benzo[ghi]perylene** | **0.01 (0.01)** | **0.01** | **0.03 (0.01)** | **0.03** | **0.04** |
| Chrysene | N/A | N/A | 0.23 (0.07) | 0.19 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Fluoranthene | 0.17 (0.15) | 0.12 | 0.20 (0.07) | 0.19 | 0.27 |
| Indeno[1,2,3-cd]pyrene | 0.01 (0.01) | 0.01 | 0.01 (0.002) | 0.01 | N/A |
| **Pyrene** | **0.08 (0.08)** | **0.04** | **0.16 (0.05)** | **0.15** | **0.001** |
| **Total PAHs** | **0.22 (0.22)** | **0.16** | **0.71 (0.21)** | **0.66** | **<0.0001** |
| **Hopanes (ng/m³):** | | | | | |
| Total hopanes | 0.13 (0.10) | 0.11 | 0.15 (0.11) | 0.12 | 0.57 |
| **Steranes (ng/m³):** | | | | | |
| **Cholestane** | **N/A** | **N/A** | **N/A** | **N/A** | **<0.0001** |

Table S2. Summary and comparison of work-week temporally-adjusted pollutant concentrations by winter and summer seasons.

| | **Summer Season** | | **Winter Season** | | |
|---|---|---|---|---|---|
| **Pollutant** | **Mean (SD)** | **Median** | **Mean (SD)** | **Median** | **p-value between programs** |
| $PM_{2.5}$ (μg/m³)[a] | 12.84 (1.98) | 12.41 | 13.24 (1.67) | 13.63 | 0.24 |
| BC (abs)[a] | 1.83 (0.64) | 1.76 | 1.25 (0.47) | 1.10 | **<0.0001** |
| Total EC (μg/m³) | 1.85 (0.76) | 1.57 | 1.43 (0.62) | 1.28 | **0.001** |
| Total OC (μg/m³) | 2.65 (0.56) | 2.51 | 2.45 (0.77) | 2.37 | 0.10 |
| **Diesel Tracers (ng/m³)[b]:** | | | | | |
| **Al** | **52.23 (44.58)** | **36.16** | **27.83 (17.06)** | **24.04** | **0.02** |
| Ba | 6.55 (6.94) | 3.91 | 4.30 (2.91) | 3.73 | 0.13 |
| Ca | 83.72 (86.34) | 51.20 | 86.28 (48.32) | 92.02 | 0.89 |
| Cr | 1.51 (1.25) | 1.33 | 1.09 (0.43) | 1.15 | 0.09 |
| **Cu** | **5.59 (4.03)** | **4.60** | **4.30 (2.24)** | **4.15** | **0.06** |
| Fe | 121.94 (85.25) | 106.40 | 109.21 (72.89) | 97.38 | 0.59 |
| Mg | 17.69 (19.77) | 8.23 | 16.89 (11.54) | 16.19 | 0.80 |
| P | 3.99 (2.25) | 3.65 | 4.43 (1.47) | 4.31 | 0.42 |
| **S** | **781.12 (424.32)** | **771.86** | **568.44 (178.00)** | **602.76** | **0.04** |
| **Zn** | **13.15 (8.38)** | **11.67** | **19.05 (9.17)** | **17.78** | **0.03** |
| **Tracers of Other Sources (ng/m³)[b]:** | | | | | |
| **As** | **0.59 (0.21)** | **0.62** | **0.30 (0.28)** | **0.24** | **0.003** |
| K | 38.46 (21.37) | 37.40 | 42.66 (16.31) | 41.50 | 0.40 |
| Mn | 4.91 (2.96) | 4.47 | 4.55(2.10) | 4.44 | 0.44 |
| Mo | 2.14 (1.32) | 1.95 | 32.26 (106.88) | 0.89 | 0.18 |
| Ni | 0.67 (0.52) | 0.58 | 0.69 (0.79) | 0.40 | 0.73 |
| Pb | 2.61 (1.64) | 2.37 | 2.44 (0.90) | 2.53 | 0.64 |
| **Sb** | **1.24 (0.87)** | **1.03** | **0.82 (0.33)** | **0.83** | **0.03** |
| Se | 1.24 (0.33) | 1.32 | 1.62 (1.50) | 1.28 | 0.18 |
| Sr | 0.61 (0.41) | 0.54 | 0.54 (0.28) | 0.54 | 0.43 |
| **V** | **0.30 (0.04)** | **0.30** | **0.23 (0.07)** | **0.23** | **0.0004** |
| **PAHs (ng/m³):** | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Benz[a]anthracene | N/A | N/A | 0.07 (0.03) | 0.06 | N/A |
| Benzo[a]pyrene | 0.04 (0.01) | 0.04 | 0.04 (0.03) | 0.03 | 0.14 |
| **Benzo[e]pyrene** | **0.03 (0.01)** | **0.03** | **0.04 (0.01)** | **0.04** | **0.02** |
| Benzo[ghi]fluoranthene | N/A | N/A | 0.06 (0.02) | 0.06 | N/A |
| **Benzo[ghi]perylene** | **0.01 (0.01)** | **0.01** | **0.04 (0.03)** | **0.03** | **0.05** |
| **Chrysene** | **0.04 (0.02)** | **0.03** | **0.19 (0.08)** | **0.16** | **0.0002** |
| **Fluoranthene** | **0.11 (0.09)** | **0.08** | **0.20 (0.08)** | **0.17** | **0.002** |
| Indeno[1,2,3-cd]pyrene | 0.01 (0.01) | 0.01 | 0.01 (0.02) | 0 | 0.92 |
| **Pyrene** | **0.05 (0.05)** | **0.03** | **0.17 (0.07)** | **0.15** | **0.0003** |
| **Total PAHs** | **0.14 (0.15)** | **0.09** | **0.72 (0.18)** | **0.64** | **<0.0001** |
| **Hopanes (ng/m$^3$):** | | | | | |
| Total hopanes | 0.18 (0.14) | 0.13 | 0.19 (0.11) | 0.16 | 0.77 |
| **Steranes (ng/m$^3$):** | | | | | |
| **Cholestane** | **0.02 (0.02)** | **0.02** | **N/A** | **N/A** | **<0.0001** |

[a]One measurement lost due to chrontroller failure in summer.

[b]One sample lost due to chrontroller error; one sample lost due to microwave bomb failure in summer.