

Table S1 Geometric means (ng/m³ ± standard deviation) of indoor (IN) and outdoor (OUT) weekly concentrations for the 17 most abundant elemental species detected at the 4 retirement communities during CHAPS (i.e. Na, Mg, Al, S, K, Ca, Ti, V, Cr, Mn, Fe, Ni, Cu, Zn, Mo, Ba, and Pb). Data were segregated by site (SG1, SG2, SG3, and RIV), season (warmer, W, and the colder, C), and size fraction (quasi-ultrafine, accumulation, and coarse mode PM). The 3 San Gabriel Valley sites and the site in Riverside have been denoted as SG 1, SG 2, SG 3, and RIV, respectively.

				Na	Mg	Al	S	Fe	Cu	Zn	Ba
QUASI-UF	IN	W	SG 1	44.1 ± 1.5	19.1 ± 2.6	96.6 ± 2.4	353.3 ± 1.4	165.0 ± 3.1	3.53 ± 1.4	8.69 ± 1.3	4.41 ± 1.7
			SG 2	30.7 ± 1.6	17.2 ± 1.5	74.5 ± 1.9	353.0 ± 1.2	61.8 ± 2.6	3.30 ± 1.5	5.12 ± 3.8	2.45 ± 1.9
			SG 3	NA ± NA	NA ± NA	NA ± NA	204.6 ± 1.5	7.9 ± 4.3	0.62 ± 2.5	2.31 ± 1.3	NA ± NA
			RIV	38.2 ± 2.4	4.9 ± 2.5	415.6 ± NA	299.2 ± 1.3	75.1 ± 1.4	5.06 ± 2.0	5.67 ± 1.8	0.88 ± 1.8
		C	SG 1	43.5 ± 2.3	7.6 ± 6.1	42.7 ± 6.4	194.1 ± 2.0	96.4 ± 2.3	3.65 ± 4.8	6.83 ± 1.8	3.10 ± 3.3
			SG 2	11.4 ± 2.3	NA ± NA	NA ± NA	145.0 ± 1.9	41.5 ± 1.5	3.31 ± 2.5	5.02 ± 1.8	1.43 ± 2.4
			SG 3	20.8 ± 1.7	3.3 ± 2.1	23.4 ± 1.4	136.7 ± 2.3	43.8 ± 2.4	1.47 ± 2.3	6.55 ± 1.7	1.07 ± 1.5
			RIV	19.5 ± 2.1	4.6 ± 2.7	22.2 ± 3.1	58.5 ± 1.6	25.0 ± 2.5	0.72 ± 4.6	2.45 ± 2.4	0.93 ± 1.5
	OUT	W	SG 1	60.8 ± 2.5	24.3 ± 6.5	216.9 ± 1.7	440.8 ± 1.8	171.8 ± 2.4	5.49 ± 1.9	9.51 ± 1.4	6.10 ± 1.4
			SG 2	74.7 ± 1.6	19.3 ± 1.9	133.1 ± 1.9	364.9 ± 1.6	98.5 ± 2.3	6.85 ± 1.8	6.26 ± 1.8	4.97 ± 2.1
			SG 3	24.2 ± 4.1	45.7 ± NA	64.6 ± NA	341.0 ± 1.9	43.4 ± 3.4	2.19 ± 3.6	2.29 ± 4.7	2.31 ± 3.3
			RIV	55.8 ± 1.7	28.1 ± 1.4	93.9 ± 1.7	301.0 ± 1.7	139.3 ± 2.3	6.64 ± 1.9	5.19 ± 1.9	4.13 ± 1.5
		C	SG 1	16.6 ± 5.7	20.0 ± 2.2	36.2 ± 3.5	142.1 ± 1.6	67.3 ± 3.4	3.25 ± 3.2	4.93 ± 1.5	3.77 ± 3.4
			SG 2	14.1 ± 2.5	4.6 ± 3.1	29.3 ± 5.3	135.0 ± 1.7	67.7 ± 3.9	4.54 ± 2.2	5.86 ± 1.9	3.67 ± 2.5
			SG 3	44.4 ± 1.3	13.0 ± 1.4	65.9 ± 1.1	154.2 ± 1.5	106.8 ± 1.3	5.53 ± 1.6	8.29 ± 1.3	3.34 ± 1.6
			RIV	27.5 ± 1.2	12.2 ± 1.7	46.2 ± 1.9	52.6 ± 1.5	63.3 ± 1.3	2.37 ± 1.3	3.04 ± 2.1	1.02 ± 1.5
				Na	Mg	Al	S	Fe	Cu	Zn	Ba
ACCUMULATION	IN	W	SG 1	100.4 ± 1.8	27.9 ± 1.6	70.2 ± 1.7	1097.3 ± 1.5	91.8 ± 1.6	3.36 ± 1.5	13.84 ± 1.7	5.86 ± 1.5
			SG 2	152.1 ± 1.7	26.8 ± 1.6	22.5 ± 1.4	503.3 ± 1.8	91.7 ± 1.1	4.99 ± 1.2	7.02 ± 1.2	6.21 ± 1.2
			SG 3	121.6 ± 1.6	18.6 ± 1.4	21.1 ± 2.0	845.1 ± 1.6	105.3 ± 1.6	4.20 ± 1.9	7.52 ± 1.4	2.45 ± 1.3
			RIV	101.4 ± 1.6	20.2 ± 1.3	49.4 ± 3.3	281.0 ± 1.5	105.1 ± 1.6	5.58 ± 1.9	5.11 ± 1.9	1.61 ± 1.2
		C	SG 1	85.3 ± 1.8	32.4 ± 1.3	110.4 ± 1.3	342.3 ± 2.7	172.5 ± 1.4	5.20 ± 1.3	16.26 ± 1.1	10.54 ± 1.4
			SG 2	115.4 ± 2.0	23.4 ± 1.5	36.0 ± 1.3	183.0 ± 2.0	153.8 ± 1.3	7.05 ± 1.8	8.63 ± 1.4	8.05 ± 1.5
			SG 3	70.2 ± 1.6	14.6 ± 1.5	38.9 ± 1.3	196.8 ± 2.5	160.8 ± 2.1	4.32 ± 1.5	18.66 ± 1.3	4.07 ± 1.6
			RIV	32.2 ± 4.1	4.9 ± 5.1	22.9 ± 1.2	38.5 ± 2.4	22.4 ± 1.6	1.11 ± 1.9	2.40 ± 1.3	1.11 ± 1.8
	OUT	W	SG 1	165.6 ± 1.5	43.1 ± 1.3	99.1 ± 1.3	1397.4 ± 1.3	162.3 ± 1.2	5.82 ± 1.4	19.09 ± 1.4	12.06 ± 1.2
			SG 2	290.2 ± 2.1	54.5 ± 1.4	88.7 ± 1.9	799.6 ± 1.7	176.0 ± 1.5	8.94 ± 1.7	11.82 ± 1.4	13.73 ± 1.5
			SG 3	385.3 ± 1.7	58.2 ± 1.6	61.6 ± 1.5	1182.2 ± 2.0	123.5 ± 1.3	4.35 ± 1.2	10.25 ± 1.2	7.44 ± 1.3
			RIV	158.9 ± 1.2	37.7 ± 1.2	127.0 ± 1.7	492.2 ± 1.5	135.4 ± 1.5	4.02 ± 2.0	6.83 ± 1.5	3.78 ± 1.5
		C	SG 1	67.4 ± 1.7	28.7 ± 1.5	78.6 ± 1.7	309.7 ± 2.5	178.7 ± 1.4	5.35 ± 1.5	12.50 ± 1.3	13.38 ± 1.3
			SG 2	204.8 ± 1.8	38.8 ± 1.5	71.1 ± 1.7	332.4 ± 2.3	241.4 ± 1.3	10.80 ± 1.3	13.19 ± 1.3	15.23 ± 1.4
			SG 3	85.0 ± 1.5	23.3 ± 1.3	58.1 ± 1.4	283.3 ± 2.4	123.5 ± 1.3	4.43 ± 1.2	13.12 ± 1.4	7.92 ± 1.3
			RIV	47.3 ± 2.5	13.6 ± 2.0	39.6 ± 1.9	72.1 ± 2.3	56.0 ± 1.5	1.91 ± 1.4	4.65 ± 1.8	2.77 ± 1.7
				Na	Mg	Al	S	Fe	Cu	Zn	Ba
COARSE	IN	W	SG 1	61.7 ± 1.6	25.2 ± 1.6	77.6 ± 1.5	62.3 ± 2.7	80.3 ± 1.7	1.63 ± 1.7	3.23 ± 2.8	2.86 ± 1.8
			SG 2	56.4 ± 2.0	14.7 ± 1.5	21.0 ± 1.5	14.0 ± 1.7	39.5 ± 1.3	3.30 ± 4.0	5.00 ± 4.0	1.85 ± 1.3
			SG 3	7.3 ± 2.0	1.9 ± 1.1	5.8 ± 3.4	3.5 ± 2.2	11.1 ± 1.5	0.97 ± 1.8	0.36 ± 15.6	0.26 ± 1.9
			RIV	33.5 ± 2.0	10.3 ± 2.3	33.3 ± 2.7	13.4 ± 1.7	49.1 ± 1.8	1.74 ± 1.3	1.37 ± 4.0	0.97 ± 1.8
		C	SG 1	84.3 ± 1.8	40.0 ± 1.3	131.1 ± 1.4	53.5 ± 1.8	131.3 ± 1.3	3.10 ± 2.1	6.86 ± 2.2	6.25 ± 1.4
			SG 2	23.2 ± 2.9	9.8 ± 1.8	9.5 ± 4.3	6.7 ± 2.4	39.5 ± 1.5	3.17 ± 3.1	2.48 ± 2.9	1.95 ± 1.8
			SG 3	17.2 ± 2.7	6.5 ± 2.1	19.2 ± 2.3	12.7 ± 1.7	30.0 ± 2.0	1.82 ± 2.3	1.70 ± 1.6	1.23 ± 2.0
			RIV	29.5 ± 2.3	16.0 ± 1.3	53.4 ± 1.1	11.4 ± 1.3	35.2 ± 1.2	0.76 ± 1.2	1.98 ± 1.3	1.00 ± 1.2
	OUT	W	SG 1	371.0 ± 1.3	120.7 ± 1.3	366.6 ± 1.2	173.6 ± 1.6	431.2 ± 1.2	9.27 ± 1.2	7.83 ± 1.3	18.79 ± 1.2
			SG 2	497.1 ± 1.9	95.2 ± 1.4	184.6 ± 1.2	123.5 ± 1.6	329.3 ± 1.3	12.96 ± 1.4	9.63 ± 1.5	22.52 ± 1.4
			SG 3	423.8 ± 1.6	98.3 ± 1.3	195.3 ± 1.4	105.0 ± 1.5	256.3 ± 1.4	7.75 ± 1.3	4.72 ± 1.6	14.13 ± 1.3
			RIV	219.4 ± 1.2	108.0 ± 1.4	418.0 ± 1.5	75.7 ± 2.0	408.3 ± 1.5	5.25 ± 1.5	3.61 ± 1.5	9.32 ± 1.6
		C	SG 1	112.0 ± 2.2	45.7 ± 1.3	124.4 ± 1.4	45.3 ± 1.9	203.7 ± 1.4	7.49 ± 1.9	6.87 ± 2.6	11.46 ± 1.4
			SG 2	246.5 ± 1.7	60.7 ± 1.4	148.2 ± 1.4	58.5 ± 1.5	290.5 ± 1.5	12.91 ± 1.7	9.05 ± 2.1	20.23 ± 1.5
			SG 3	188.3 ± 1.7	79.3 ± 1.5	188.4 ± 1.8	52.3 ± 1.4	252.4 ± 1.7	8.37 ± 1.4	4.85 ± 1.6	14.65 ± 1.6
			RIV	86.9 ± 1.9	39.1 ± 1.4	131.1 ± 1.7	21.8 ± 2.0	108.2 ± 1.6	2.23 ± 1.3	2.10 ± 1.5	3.57 ± 1.6

				Ti	V	Cr	Mn	Ni	Mo	Pb Total
QUASI-UF	IN	W	SG 1	12.60 ± 1.4	4.95 ± 1.4	4.48 ± 10.1	4.02 ± 2.2	6.57 ± 5.3	1.94 ± 4.8	2.94 ± 1.3
			SG 2	4.16 ± 4.3	5.32 ± 1.2	2.57 ± 1.6	1.86 ± 2.3	4.03 ± 3.6	0.92 ± 3.9	2.01 ± 1.9
			SG 3	NA ± NA	2.17 ± 1.4	0.58 ± 1.9	0.16 ± 3.8	0.24 ± NA	0.11 ± 2.8	0.62 ± 3.0
			RIV	2.24 ± 3.0	2.73 ± 1.4	0.20 ± 4.9	1.86 ± 1.9	0.20 ± 2.3	0.13 ± 1.6	1.26 ± 1.3
		C	SG 1	5.16 ± 3.3	2.92 ± 2.0	1.08 ± 1.0	2.31 ± 2.3	0.62 ± 1.4	0.42 ± 2.0	4.26 ± 1.5
			SG 2	0.23 ± NA	2.21 ± 2.1	0.25 ± 2.9	0.87 ± 1.9	0.44 ± 3.4	0.40 ± 1.8	1.80 ± 1.9
			SG 3	1.48 ± 2.0	1.83 ± 1.8	0.27 ± 3.5	0.76 ± 2.0	0.52 ± 2.5	0.29 ± 1.9	2.01 ± 2.2
			RIV	2.94 ± 2.4	0.53 ± 1.6	0.29 ± 1.9	0.54 ± 2.7	0.17 ± 3.2	0.09 ± 1.6	0.77 ± 1.9
	OUT	W	SG 1	17.16 ± 1.4	5.59 ± 1.3	6.52 ± 6.5	3.81 ± 2.0	8.55 ± 3.7	2.09 ± 3.8	3.64 ± 1.6
			SG 2	7.96 ± 2.0	5.59 ± 1.6	2.55 ± 5.1	2.16 ± 2.2	4.38 ± 3.1	1.10 ± 3.0	3.05 ± 1.7
			SG 3	15.27 ± NA	3.20 ± 1.5	0.33 ± 2.4	0.69 ± 4.2	0.63 ± 1.3	0.28 ± 3.6	1.88 ± 2.7
			RIV	11.21 ± 1.6	3.83 ± 1.5	0.74 ± 1.6	2.86 ± 2.1	0.47 ± 2.8	0.23 ± 1.8	1.73 ± 1.7
		C	SG 1	8.01 ± 2.1	2.50 ± 1.7	0.11 ± 10.6	1.58 ± 3.1	0.51 ± 1.0	0.45 ± 1.5	3.60 ± 1.3
			SG 2	3.17 ± 3.2	2.25 ± 1.9	0.17 ± 2.8	1.52 ± 2.1	0.27 ± 2.0	0.53 ± 2.1	2.33 ± 1.8
			SG 3	9.05 ± 1.5	2.30 ± 1.2	0.71 ± 1.4	2.42 ± 1.4	0.95 ± 1.5	0.51 ± 1.3	4.17 ± 1.5
			RIV	5.93 ± 1.3	0.71 ± 1.3	0.13 ± 2.3	1.25 ± 1.3	0.17 ± 1.7	0.12 ± 1.3	0.99 ± 1.7
				Ti	V	Cr	Mn	Ni	Mo	Pb Total
ACCUMULATION	IN	W	SG 1	8.79 ± 1.7	2.80 ± 1.6	0.49 ± 1.8	2.90 ± 1.9	1.12 ± 1.5	0.36 ± 1.6	2.88 ± 1.9
			SG 2	4.14 ± 1.2	1.53 ± 1.8	0.52 ± 1.2	1.97 ± 1.2	0.79 ± 1.6	0.51 ± 1.2	1.84 ± 1.4
			SG 3	3.14 ± 1.6	2.13 ± 1.5	0.34 ± 1.5	1.89 ± 1.4	0.91 ± 1.5	0.44 ± 1.9	1.50 ± 1.3
			RIV	2.95 ± 1.2	0.78 ± 1.4	0.42 ± 1.9	1.99 ± 1.5	0.41 ± 1.5	0.12 ± 1.7	0.51 ± 1.2
		C	SG 1	10.56 ± 1.3	1.58 ± 2.5	0.67 ± 1.3	3.88 ± 1.3	0.81 ± 1.8	0.57 ± 1.5	2.95 ± 1.3
			SG 2	6.95 ± 1.6	1.09 ± 1.8	0.62 ± 1.4	3.11 ± 1.5	0.68 ± 1.6	0.65 ± 1.4	1.53 ± 1.4
			SG 3	3.71 ± 1.5	0.66 ± 2.0	0.40 ± 1.5	2.47 ± 1.7	0.35 ± 1.8	0.32 ± 1.6	1.94 ± 1.7
			RIV	1.22 ± 2.7	0.13 ± 2.4	0.10 ± 1.3	0.55 ± 1.7	0.04 ± 3.8	0.04 ± 2.7	0.45 ± 1.6
	OUT	W	SG 1	14.02 ± 1.4	4.12 ± 1.4	0.78 ± 1.1	3.93 ± 1.2	1.75 ± 1.2	0.58 ± 1.1	4.53 ± 1.5
			SG 2	9.67 ± 1.3	2.97 ± 1.7	0.85 ± 1.3	3.76 ± 1.4	1.42 ± 1.5	0.80 ± 1.4	3.58 ± 1.6
			SG 3	9.05 ± 1.6	2.97 ± 1.8	0.66 ± 1.5	3.21 ± 1.2	1.27 ± 1.8	0.53 ± 1.3	2.51 ± 1.3
			RIV	10.63 ± 1.7	2.07 ± 1.4	0.48 ± 1.7	2.98 ± 1.5	0.93 ± 1.5	0.20 ± 1.4	1.05 ± 1.2
		C	SG 1	10.00 ± 1.5	1.69 ± 2.1	0.77 ± 1.2	3.71 ± 1.3	0.92 ± 1.6	0.62 ± 1.2	2.87 ± 1.3
			SG 2	12.86 ± 1.4	2.25 ± 1.9	1.02 ± 1.4	5.31 ± 1.4	1.02 ± 1.8	1.08 ± 1.4	2.70 ± 1.4
			SG 3	6.91 ± 1.3	1.24 ± 2.1	0.64 ± 1.2	2.95 ± 1.5	0.65 ± 2.1	0.38 ± 1.4	2.81 ± 1.4
			RIV	3.56 ± 1.5	0.36 ± 1.9	0.16 ± 1.6	1.17 ± 1.5	0.17 ± 1.5	0.09 ± 1.8	0.90 ± 1.6
				Ti	V	Cr	Mn	Ni	Mo	Pb Total
COARSE	IN	W	SG 1	8.36 ± 1.5	0.44 ± 1.9	0.33 ± 1.6	1.57 ± 2.0	0.31 ± 2.0	0.22 ± 1.6	0.78 ± 3.0
			SG 2	3.02 ± 1.4	0.07 ± 1.6	0.18 ± 1.3	0.49 ± 1.3	0.51 ± 2.6	0.10 ± 1.2	0.36 ± 1.3
			SG 3	0.38 ± 1.6	0.02 ± 1.6	0.04 ± 5.0	0.11 ± 1.6	0.15 ± 1.7	0.06 ± 2.0	0.04 ± 4.0
			RIV	4.72 ± 1.7	0.13 ± 1.5	0.21 ± 1.9	1.05 ± 1.8	0.35 ± 1.4	0.08 ± 1.5	0.16 ± 1.6
		C	SG 1	12.25 ± 1.3	0.34 ± 1.7	0.39 ± 1.3	2.27 ± 1.4	0.34 ± 3.2	0.18 ± 1.4	0.56 ± 1.4
			SG 2	3.39 ± 1.5	0.06 ± 2.0	0.15 ± 1.8	0.44 ± 1.6	0.27 ± 2.4	0.12 ± 1.3	0.20 ± 1.6
			SG 3	2.40 ± 2.1	0.07 ± 1.9	0.18 ± 1.5	0.51 ± 1.9	0.15 ± 1.2	0.13 ± 1.8	0.17 ± 1.9
			RIV	4.71 ± 1.2	0.10 ± 1.2	0.11 ± 2.2	0.68 ± 1.1	0.18 ± 2.4	0.05 ± 2.0	0.14 ± 1.2
	OUT	W	SG 1	37.77 ± 1.1	1.35 ± 1.3	1.34 ± 1.2	7.43 ± 1.2	0.92 ± 1.2	0.80 ± 1.1	2.66 ± 1.2
			SG 2	23.99 ± 1.2	0.90 ± 1.3	1.25 ± 1.4	4.98 ± 1.2	0.86 ± 1.3	0.84 ± 1.4	2.88 ± 1.4
			SG 3	22.21 ± 1.4	0.74 ± 1.3	0.86 ± 1.4	4.38 ± 1.4	0.74 ± 1.3	0.58 ± 1.4	1.59 ± 1.3
			RIV	41.42 ± 1.5	1.26 ± 1.5	0.67 ± 1.5	7.30 ± 1.5	0.76 ± 1.2	0.22 ± 1.5	0.64 ± 1.5
		C	SG 1	15.45 ± 1.4	0.52 ± 1.6	0.63 ± 1.5	3.28 ± 1.4	0.52 ± 2.0	0.43 ± 1.9	1.02 ± 1.6
			SG 2	18.92 ± 1.5	0.59 ± 1.5	1.03 ± 1.6	4.18 ± 1.6	0.65 ± 1.5	0.87 ± 1.6	1.49 ± 1.4
			SG 3	20.34 ± 1.8	0.64 ± 1.7	0.83 ± 1.7	4.87 ± 1.8	0.48 ± 1.5	0.45 ± 1.6	1.05 ± 1.9
			RIV	10.82 ± 1.6	0.31 ± 1.5	0.17 ± 1.8	2.12 ± 1.7	0.14 ± 2.1	0.08 ± 1.8	0.29 ± 1.6

				K			Ca		
QUASI-UF	IN	W	SG 1	56.3	±	2.4	64.0	±	2.5
			SG 2	79.9	±	2.1	62.8	±	1.3
			SG 3	NA	±	NA	NA	±	NA
			RIV	NA	±	NA	36.2	±	2.1
		C	SG 1	23.1	±	NA	99.7	±	2.5
			SG 2	NA	±	NA	7.6	±	NA
			SG 3	16.8	±	1.6	27.5	±	2.0
			RIV	16.7	±	2.1	29.2	±	2.5
	OUT	W	SG 1	110.2	±	2.1	123.5	±	2.2
			SG 2	81.3	±	2.9	73.3	±	1.8
			SG 3	41.8	±	NA	10.8	±	16.5
			RIV	9.7	±	1.6	90.7	±	1.3
		C	SG 1	NA	±	NA	47.7	±	2.6
			SG 2	NA	±	NA	21.0	±	4.9
			SG 3	47.8	±	1.4	63.4	±	1.3
			RIV	30.2	±	1.4	45.8	±	1.3
				K			Ca		
ACCUMULATION	IN	W	SG 1	39.4	±	1.6	102.7	±	1.4
			SG 2	24.7	±	1.5	31.2	±	1.2
			SG 3	24.1	±	1.7	35.1	±	1.5
			RIV	23.6	±	1.5	41.2	±	1.4
		C	SG 1	54.1	±	1.4	141.9	±	1.4
			SG 2	21.9	±	1.5	44.4	±	1.6
			SG 3	22.4	±	1.4	45.9	±	1.4
			RIV	10.4	±	4.7	18.7	±	1.5
	OUT	W	SG 1	64.8	±	1.3	92.3	±	1.4
			SG 2	46.5	±	1.5	66.5	±	1.5
			SG 3	43.4	±	1.6	77.2	±	1.4
			RIV	63.7	±	1.6	67.6	±	1.4
		C	SG 1	42.5	±	1.3	72.8	±	2.0
			SG 2	37.9	±	1.4	87.7	±	1.4
			SG 3	37.3	±	1.3	64.6	±	1.2
			RIV	25.7	±	1.4	23.2	±	2.4
				K			Ca		
COARSE	IN	W	SG 1	27.8	±	1.7	79.9	±	1.8
			SG 2	10.1	±	2.3	46.5	±	1.7
			SG 3	6.7	±	1.7	7.1	±	7.0
			RIV	18.1	±	1.9	33.4	±	3.9
		C	SG 1	38.5	±	1.3	195.9	±	1.2
			SG 2	6.6	±	3.1	56.9	±	2.0
			SG 3	6.7	±	3.5	34.2	±	1.8
			RIV	19.6	±	1.5	56.7	±	1.2
	OUT	W	SG 1	145.6	±	1.2	278.2	±	1.3
			SG 2	84.9	±	1.3	207.0	±	1.3
			SG 3	80.1	±	1.4	213.1	±	1.2
			RIV	162.6	±	1.4	240.4	±	1.6
		C	SG 1	49.7	±	1.3	132.5	±	1.4
			SG 2	67.7	±	1.5	203.4	±	1.6
			SG 3	72.3	±	1.4	215.3	±	1.7
			RIV	49.2	±	1.4	91.4	±	1.6

Table S2 Geometric means ($\mu\text{g}/\text{m}^3 \pm$ standard deviation) of indoor (IN) and outdoor (OUT) weekly concentrations for PM mass (Mass) and the sum of all measured trace elements (TTE) detected at the 4 retirement communities during CHAPS. Data were segregated by site (SG1, SG2, SG3, and RIV), season (warmer, W, and the colder, C), and size fraction (quasi-ultrafine, accumulation, and coarse mode PM). The 3 San Gabriel Valley sites and the site in Riverside have been denoted as SG 1, SG 2, SG 3, and RIV, respectively.

				Mass		TTE	
QUASI-UF	IN	W	SG1	10.25	\pm 1.55	1.10	\pm 0.27
			SG2	9.68	\pm 1.61	0.83	\pm 0.20
			SG3	6.48	\pm 1.29	0.22	\pm 0.09
			RIV	8.45	\pm 2.28	0.53	\pm 0.32
		C	SG1	9.24	\pm 3.12	0.56	\pm 0.70
			SG2	9.12	\pm 2.61	0.22	\pm 0.13
			SG3	6.76	\pm 2.64	0.29	\pm 0.22
			RIV	5.88	\pm 1.45	0.19	\pm 0.13
	OUT	W	SG1	9.69	\pm 2.16	1.41	\pm 0.49
			SG2	9.14	\pm 1.76	1.01	\pm 0.41
			SG3	10.19	\pm 2.25	0.43	\pm 0.58
			RIV	11.11	\pm 3.04	0.69	\pm 0.38
		C	SG1	8.68	\pm 1.83	0.39	\pm 0.26
			SG2	10.12	\pm 2.60	0.28	\pm 0.19
			SG3	10.59	\pm 1.98	0.55	\pm 0.11
			RIV	6.85	\pm 2.25	0.31	\pm 0.08
				Mass		TTE	
ACCUMULATION	IN	W	SG1	9.64	\pm 2.07	1.61	\pm 0.66
			SG2	6.81	\pm 2.37	0.92	\pm 0.43
			SG3	5.01	\pm 1.03	1.22	\pm 0.64
			RIV	4.30	\pm 1.92	0.75	\pm 0.19
		C	SG1	8.02	\pm 2.68	1.09	\pm 0.42
			SG2	4.46	\pm 2.08	0.67	\pm 0.29
			SG3	4.78	\pm 4.83	0.66	\pm 0.32
			RIV	2.03	\pm 0.96	0.16	\pm 0.13
	OUT	W	SG1	14.63	\pm 2.63	2.14	\pm 0.37
			SG2	13.38	\pm 3.62	1.69	\pm 0.65
			SG3	10.30	\pm 4.64	2.04	\pm 1.17
			RIV	9.20	\pm 3.26	1.19	\pm 0.23
		C	SG1	9.70	\pm 5.12	0.97	\pm 0.22
			SG2	9.44	\pm 5.83	1.18	\pm 0.53
			SG3	9.81	\pm 9.45	0.76	\pm 0.41
			RIV	4.52	\pm 2.64	0.33	\pm 0.14
				Mass		TTE	
COARSE	IN	W	SG1	5.15	\pm 1.23	0.47	\pm 0.23
			SG2	1.83	\pm 1.59	0.25	\pm 0.11
			SG3	0.63	\pm 0.17	0.04	\pm 0.03
			RIV	2.70	\pm 0.93	0.23	\pm 0.12
		C	SG1	7.91	\pm 3.38	0.75	\pm 0.15
			SG2	1.53	\pm 0.75	0.19	\pm 0.15
			SG3	1.69	\pm 1.00	0.14	\pm 0.11
			RIV	2.71	\pm 0.93	0.25	\pm 0.06
	OUT	W	SG1	12.10	\pm 2.25	2.02	\pm 0.38
			SG2	12.14	\pm 2.08	1.66	\pm 0.46
			SG3	9.53	\pm 2.72	1.48	\pm 0.35
			RIV	11.97	\pm 4.07	1.75	\pm 0.68
		C	SG1	8.78	\pm 2.49	0.82	\pm 0.25
			SG2	7.79	\pm 2.41	1.21	\pm 0.32
			SG3	7.93	\pm 4.62	1.16	\pm 0.46
			RIV	4.51	\pm 1.22	0.60	\pm 0.21