

Appendix: The means and standard deviations of each pollutant by year and station

Station	Year	Mean (SD)					
		CO (ppm)	O ₃ (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	PM ₁₀ (µg m ⁻³)
LP1	2004	0.51 (0.32)	17.80 (7.55)	13.71 (6.90)	16.42 (7.81)	0.88 (0.45)	54.59 (34.54)
	2005	0.60 (0.44)	17.89 (10.38)	11.54 (5.81)	18.41 (9.81)	0.58 (0.34)	51.50 (35.95)
	2006	0.38 (0.32)	16.44 (6.62)	11.99 (5.11)	16.77 (8.44)	0.75 (0.36)	47.74 (28.03)
	2007	0.40 (0.35)	19.00 (9.13)	12.29 (7.22)	14.15 (7.70)	1.03 (0.59)	51.26 (39.06)
	2008	0.31 (0.25)	19.99 (10.84)	10.55 (4.80)	11.83 (5.64)	0.24 (0.33)	53.35 (29.44)
	2009	0.35 (0.28)	17.63 (9.21)	10.05 (4.88)	12.38 (5.07)	0.33 (0.47)	59.58 (43.93)
	2010	0.47 (0.35)	14.30 (7.23)	22.63 (6.35)	31.5 (10.36)	0.46 (0.28)	43.70 (35.66)
	2011	0.35 (0.19)	16.62 (6.08)	16.63 (9.10)	20.61 (9.89)	0.29 (0.20)	31.40 (16.74)
	2012	LC	LC	LC	LC	LC	LC
	2013	0.84 (0.22)	30.78 (12.26)	7.23 (3.72)	9.95 (4.43)	2.33 (0.63)	50.99 (32.84)
	2014	0.68 (0.32)	25.36 (11.96)	7.51 (3.66)	10.50 (3.96)	1.49 (0.32)	54.17 (39.45)
	2015	0.81 (0.30)	25.82 (9.93)	7.07 (3.90)	9.98 (4.19)	1.79 (0.63)	47.69 (37.10)
	2016	0.62 (0.20)	26.80 (13.76)	6.7 (4.05)	9.16 (4.90)	1.5 (0.75)	46.18 (33.94)
	2017	0.56 (0.20)	25.48 (10.16)	5.83 (2.65)	8.13 (2.96)	1.35 (0.48)	38.35 (28.51)
	2018	0.70 (0.09)	32.39 (7.01)	7.21 (2.30)	9.89 (2.26)	1.45 (0.47)	63.74 (21.08)
LP2	2004	0.20 (0.18)	17.96 (11.56)	LC	LC	0.61 (0.91)	58.71 (50.65)
	2005	0.26 (0.20)	18.36 (9.55)	3.47 (2.38)	4.37 (2.71)	0.95 (0.54)	50.55 (30.39)
	2006	0.23 (0.15)	17.33 (12.17)	4.46 (3.73)	5.59 (6.03)	0.63 (0.45)	38.04 (20.36)
	2007	0.31 (0.30)	16.32 (11.32)	4.12 (3.09)	4.30 (4.00)	0.63 (0.47)	45.28 (26.03)
	2008	0.18 (0.16)	15.91 (12.78)	3.11 (2.10)	4.75 (2.86)	0.14 (0.15)	39.43 (24.57)
	2009	0.24 (0.26)	16.35 (8.39)	3.22 (1.83)	3.67 (1.89)	0.28 (0.24)	39.34 (29.24)
	2010	0.27 (0.25)	19.81 (13.16)	4.23 (2.09)	4.42 (2.34)	0.63 (0.37)	41.11 (29.65)
	2011	0.53 (0.18)	19.60 (5.80)	2.89 (2.42)	4.24 (2.29)	0.80 (0.54)	35.94 (17.40)
	2012	0.75 (0.26)	22.38 (12.69)	3.45 (1.74)	5.39 (2.38)	1.41 (0.71)	47.17 (36.46)
	2013	0.72 (0.26)	27.72 (11.18)	3.50 (1.92)	5.18 (1.97)	1.66 (0.37)	51.66 (25.66)
	2014	0.66 (0.28)	21.60 (10.21)	3.52 (2.34)	5.40 (2.68)	1.52 (0.65)	56.07 (27.59)
	2015	0.69 (0.22)	25.79 (13.17)	LC	LC	1.23 (0.45)	40.40 (31.25)
	2016	0.77 (0.36)	23.95 (11.71)	4.34 (3.37)	5.99 (3.86)	1.22 (0.60)	41.01 (29.60)
	2017	0.57 (0.22)	18.54 (8.85)	2.61 (1.20)	4.26 (1.46)	1.30 (0.53)	31.20 (19.29)
	2018	0.78 (0.14)	23.03 (6.25)	3.46 (1.33)	5.81 (2.22)	1.19 (0.51)	52.14 (20.27)
LP3	2004	0.31 (0.21)	19.13 (11.4)	4.59 (2.75)	6.47 (3.08)	0.85 (0.51)	56.38 (33.78)
	2005	0.34 (0.15)	19.86 (14.07)	3.68 (2.47)	4.97 (2.75)	0.95 (0.56)	50.64 (38.93)
	2006	0.28 (0.14)	16.75 (11.74)	4.04 (2.60)	6.37 (4.76)	0.89 (0.67)	41.33 (30.50)
	2007	0.39 (0.26)	14.62 (8.19)	3.86 (3.10)	9.30 (5.10)	1.07 (0.58)	45.87 (38.51)
	2008	0.37 (0.16)	17.07 (12.64)	1.13 (0.88)	4.91 (2.64)	0.91 (0.66)	40.97 (28.18)
	2009	0.31 (0.15)	18.22 (11.85)	3.53 (2.04)	5.75 (3.28)	1.42 (0.63)	47.42 (35.76)
	2010	0.44 (0.26)	20.63 (12.58)	2.66 (1.70)	4.07 (2.27)	1.54 (0.97)	36.64 (26.50)
	2011	0.14 (0.14)	20.87 (10.56)	1.62 (1.20)	3.68 (1.48)	2.12 (1.14)	44.38 (15.91)
	2012	0.27 (0.15)	27.62 (17.01)	1.70 (0.71)	3.95 (1.74)	1.91 (0.79)	48.70 (32.60)
	2013	LC	LC	LC	LC	LC	LC
	2014	NM	28.29 (15.00)	4.80 (2.39)	6.06 (2.97)	0.89 (0.70)	47.13 (32.39)
	2015	NM	34.17 (12.86)	5.00 (2.68)	6.10 (3.21)	0.78 (0.53)	46.91 (33.06)
	2016	NM	32.91 (16.15)	4.40 (2.38)	5.14 (2.46)	1.09 (0.86)	48.19 (32.68)
	2017	NM	29.26 (13.82)	3.67 (1.36)	4.38 (1.44)	1.23 (0.66)	36.47 (20.33)
	2018	NM	40.43 (11.25)	6.13 (1.32)	7.09 (1.55)	1.34 (0.58)	63.25 (19.43)
CM1	2004	0.4 (0.29)	21.57 (8.24)	11.44 (4.76)	14.41 (5.64)	1.49 (1.05)	56.61 (43.26)
	2005	0.52 (0.27)	19.94 (9.61)	7.44 (4.58)	9.69 (5.49)	0.8 (0.51)	51.05 (33.83)
	2006	0.54 (0.24)	18.54 (6.68)	8.20 (3.91)	10.56 (4.70)	0.52 (0.41)	40.48 (22.81)
	2007	0.65 (0.38)	22.33 (8.70)	9.19 (6.65)	12.05 (7.24)	0.41 (0.47)	51.12 (42.91)
	2008	0.49 (0.18)	21.48 (8.14)	8.45 (3.45)	10.30 (4.41)	0.61 (0.53)	37.11 (21.2)

Station	Year	Mean (SD)					
		CO (ppm)	O ₃ (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	PM ₁₀ (µg m ⁻³)
	2009	0.50 (0.23)	25.98 (8.12)	9.09 (6.31)	11.23 (7.14)	0.60 (0.49)	42.37 (30.86)
	2010	0.54 (0.24)	24.03 (12.25)	9.38 (3.82)	12.32 (5.08)	0.76 (0.54)	44.07 (34.57)
	2011	0.43 (0.19)	24.71 (8.94)	9.56 (3.01)	11.50 (3.79)	0.62 (0.39)	32.86 (15.01)
	2012	0.50 (0.30)	21.57 (12.16)	11.13 (5.41)	15.32 (5.49)	0.91 (0.60)	43.97 (32.48)
	2013	0.49 (0.18)	21.03 (9.26)	12.23 (4.35)	14.15 (4.83)	1.26 (0.48)	40.64 (29.76)
	2014	0.41 (0.30)	20.31 (10.15)	11.09 (5.21)	13.26 (5.42)	0.86 (0.54)	45.58 (31.74)
	2015	0.46 (0.21)	21.67 (6.97)	10.21 (5.12)	13.67 (5.36)	1.34 (1.02)	42.97 (34.17)
	2016	LC	25.05 (11.13)	9.38 (6.53)	12.15 (7.23)	0.80 (0.53)	LC
	2017	NM	21.74 (9.99)	8.41 (3.40)	10.75 (3.56)	0.78 (0.50)	NM
	2018	NM	27.83 (8.96)	7.14 (3.25)	9.75 (4.03)	0.92 (0.47)	NM
CM2	2004	0.67 (0.35)	16.81 (7.37)	19.79 (7.52)	27.78 (9.64)	2.05 (0.96)	78.40 (62.19)
	2005	0.88 (0.37)	16.69 (7.57)	16.80 (7.32)	24.57 (10.32)	2.01 (0.94)	56.37 (30.90)
	2006	1.02 (0.25)	15.44 (6.05)	15.12 (5.95)	21.23 (7.22)	1.25 (0.51)	54.96 (28.18)
	2007	0.93 (0.42)	16.34 (7.90)	17.26 (7.04)	24.72 (9.83)	1.05 (0.53)	60.04 (45.00)
	2008	0.79 (0.23)	17.81 (9.18)	17.23 (7.29)	25.68 (8.97)	0.55 (0.57)	46.01 (23.64)
	2009	0.71 (0.29)	19.16 (6.86)	17.95 (8.10)	27.25 (11.84)	0.50 (0.48)	48.99 (33.72)
	2010	0.66 (0.24)	18.82 (8.50)	17.65 (8.87)	27.48 (11.95)	0.79 (0.61)	50.53 (35.85)
	2011	0.66 (0.17)	15.02 (4.82)	14.52 (5.48)	23.37 (7.07)	1.01 (0.50)	35.32 (14.21)
	2012	0.68 (0.32)	19.64 (9.07)	18.74 (10.59)	28.01 (14.07)	1.35 (0.77)	41.78 (26.74)
	2013	0.71 (0.31)	21.60 (8.98)	15.88 (7.25)	22.69 (8.96)	1.42 (1.18)	46.82 (34.23)
	2014	0.76 (0.28)	LC	15.12 (6.57)	22.13 (8.81)	1.63 (0.78)	46.08 (27.85)
	2015	0.96 (0.35)	NM	18.06 (7.30)	29.80 (9.41)	1.36 (0.32)	48.81 (34.74)
	2016	1.04 (0.25)	NM	18.93 (8.27)	32.26 (10.86)	1.13 (0.20)	52.06 (33.91)
	2017	0.80 (0.22)	NM	14.65 (6.66)	23.72 (6.89)	1.06 (0.14)	45.01 (13.93)
	2018	0.96 (0.08)	NM	19.42 (5.69)	29.91 (6.47)	1.28 (0.22)	53.93 (14.38)
NN	2004	NM	NM	NM	NM	NM	NM
	2005	NM	NM	NM	NM	NM	NM
	2006	NM	NM	NM	NM	NM	NM
	2007	NM	NM	NM	NM	NM	NM
	2008	NM	NM	NM	NM	NM	NM
	2009	LC	LC	LC	LC	LC	LC
	2010	0.65 (0.33)	22.42 (11.12)	4.96 (3.17)	6.37 (3.38)	0.52 (0.48)	43.77 (34.53)
	2011	0.44 (0.14)	19.19 (7.60)	5.93 (1.96)	7.50 (1.88)	1.71 (0.68)	33.75 (18.41)
	2012	0.48 (0.31)	19.80 (8.52)	5.69 (4.19)	7.26 (3.94)	1.44 (1.29)	43.65 (35.51)
	2013	0.59 (0.18)	23.44 (10.04)	3.58 (2.96)	4.86 (3.02)	1.36 (1.05)	44.82 (36.45)
	2014	0.64 (0.23)	24.70 (11.04)	3.71 (2.63)	5.25 (3.04)	0.84 (1.47)	45.21 (32.44)
	2015	0.62 (0.19)	25.59 (14.38)	5.41 (3.09)	6.95 (3.21)	1.79 (1.20)	38.58 (27.76)
	2016	0.55 (0.18)	23.07 (9.77)	4.36 (2.90)	5.77 (3.30)	0.54 (0.88)	41.79 (31.89)
	2017	0.60 (0.11)	21.39 (10.03)	5.06 (1.78)	6.42 (1.67)	0.91 (0.66)	33.39 (18.78)
	2018	0.51 (0.06)	24.77 (6.03)	7.17 (1.05)	8.72 (0.79)	0.17 (0.11)	48.34 (12.62)

LC means low completeness of data (less than 75%), which may not be a suitable representation of an annual average, hence the mean and SD were not calculated.