

Table S1. UK Site Information (end dates are not inclusive). 'n.m.' indicates species were not measured at that site. Ozone trends are shown only for the surrounding sites (those in Figure 1), the London site trends are tabulated in the main body of the paper.

Site (London Site Code)	Classification	Species and Data Coverage						Latitude	Longitude	O ₃ Trends (%/year)	O ₃ Trends p-value
		NO ₂	NO	O ₃	CO	VOCs					
A3 Roadside, London (A3)	roadside	1998 – 10/2007	1998 – 10/2007	n.m.	1998 – 10/2007	n.m.	51.37348	-0.29186	-		
Bexley, London (BX)	suburban	1998 – 2010	1998 – 2010	1998 – 10/2007	1998 – 2010	n.m.	51.46603	0.1848	-		
Bloomsbury, London (BB)	urban center	1998 – 2010	1998 – 2010	1998 – 2010	1998 – 2010	n.m.	51.52229	-0.12589	-		
Bournemouth	urban background	-	-	2/2003 – 2010	-	-	50.739576	-1.826749	-0.12	0.86	
Brent, London (BR)	urban background	1998 – 10/2007	1998 – 10/2007	1998 – 10/2007	1998 – 10/2007	n.m.	51.58963	-0.27551	-		
Bristol St. Paul's	urban background	-	-	6/2006 – 2010	-	-	51.462828	-2.584542	-2.1	0.093	
Bromley, London (BL)	roadside	1998 – 10/2007	1998 – 10/2007	n.m.	1998 – 10/2007	n.m.	51.40554	-0.01887	-		
Coventry Memorial Park	urban background	-	-	2/2001 – 2010	-	-	52.394327	-1.519591	+1.3	0.027	
Cromwell Road, London (CR)	roadside	1998 – 2008	1998 – 2010	n.m.	1998 – 2010	n.m.	51.49546	-0.17868	-		
Eltham, London (LE)	suburban	1998 – 2010	1998 – 2010	1998 – 2010	n.m.	10/2003 – 2010	51.45257	-0.07078	-		
Hillingdon, London (HL)	suburban	1998 – 2008	1998 – 2010	1998 – 2010	1998 – 10/2007	n.m.	51.49633	-0.46087	-		
Hackney, London (HK)	urban center	1998 – 10/2007	1998 – 10/2007	1998 – 10/2007	1998 – 10/2007	n.m.	51.55877	-0.0566	-		
Harwell	rural	1998 – 2010	1998 – 2010	1998 – 2010	n.m.	1998 – 2010 ¹	51.570967	-1.325121	-0.28	0.60	
Leamington Spa	urban background	-	-	1998 – 2010	-	-	52.288807	-1.533134	-0.18	0.70	
Leominster	suburban	-	-	7/2005 – 2010	-	-	52.221704	-2.736834	-3.0	0.087	
Lewisham, London (LH)	urban center	1998 – 10/2007	1998 – 10/2007	n.m.	n.m.	n.m.	51.44541	-0.02015	-		
Lullington Heath Market Harborough	rural	-	-	1998 – 2010	-	-	50.793698	0.1812412	-0.021	0.96	
Marylebone Road, London (MR)	kerbside	1998 – 2010	1998 – 2010	1998 – 2010	1998 – 2010	1998 – 2010	51.52253	-0.15461	-		
North Kensington, London (NK)	urban background	1998 – 2010	1998 – 2010	1998 – 2010	1998 – 2010	n.m.	51.52106	-0.21344	-		

Northampton	urban background			3/2003 – 2010			52.27349	-0.885938	+0.85	0.37
Portsmouth	urban background	-	-	4/2003 – 2010	-	-	50.828802	-1.068584	+1.2	0.21
Reading New Town	urban background	-	-	10/2003 – 2010	-	-	51.45309	-0.944080	-0.044	0.84
Rochester Stoke	rural	-	-	1998 – 2010	-	-	51.456167	0.6348761	-1.2	0.0
Sibton	rural/remote	-	-	1998 – 2010	-	-	52.294385	1.463499	+1.4	0.0
Southend-on-Sea	urban background	-	-	7/2000 – 2010	-	-	51.544149	0.67831	+2.0	0.0
Southampton Centre	urban centre	-	-	1998 – 2010	-	-	50.908138	-1.395785	-0.42	0.34
Southwark, London (SW)	urban center	1998 – 10/2007	1998 – 10/2007	1998 – 10/2007	1998 – 10/2007	n.m.	51.49055	-0.09668	-	
St. Osyth	rural	-	-	5/2002 – 2010	-	-	51.777846	1.0489468	+0.68	0.23
Sutton, London (ST)	suburban	1998 – 5/2002	1998 – 5/2002	n.m.	n.m.	n.m.	51.36789	-0.1655	-	
Teddington, London (TD)	urban background	1998 – 2010	1998 – 2010	n.m.	n.m.	n.m.	51.42099	-0.33966	-	
Thurrock	urban background	-	-	1998 – 2010	-	-	51.47707	0.317956	+0.63	0.15
Wandsworth, London (WW)	urban center	1998 – 10/2007	1998 – 10/2007	n.m.	n.m.	n.m.	51.45696	-0.19117	-	
Westminster, London (WM)	urban background	07/2001 – 2010	07/2001 – 2010	07/2001 – 2010	07/2001 – 2010	n.m.	51.49466	-0.13194	-	
Weybourne	rural	-	-	5/2001 – 2010	-	-	52.950481	1.1220111	+1.6	0.0
Wicken Fen	rural	-	-	1998 – 2010	-	-	52.298494	0.2909191	+3.2	0.0
Yarner Wood	rural	-	-	1998 – 2010	-	-	50.597594	-3.716521	+0.057	0.78

¹from 01/2002 to 05/2007 only a limited number of aromatic VOCs were measured.