

DEPARTMENT OF  
SCIENTIFIC AND INDUSTRIAL RESEARCH

*The Investigation of*  
**ATMOSPHERIC  
POLLUTION**

*A Report on Observations in the Year ended  
31st March, 1956*

TWENTY-NINTH REPORT

LONDON  
HER MAJESTY'S STATIONERY OFFICE  
1958

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TABLE 8 (contd.)

Site of deposit gauge	Number of months		Rainfall measured by deposit gauge, mm/month		pH of filtrate from deposit gauge		Deposited matter, grammes per 100 square metres per month																	
							Undissolved matter									Dissolved matter								
							Tar		Ash		Other combustible matter		Total			Ca++		Cl'		SO <sub>4</sub> "		Total		
							S	W	S	W	S	W	S	W	Y	S	W	S	W	S	W	S	W	Y
Willington 4 ..	6	6	41	35	6.0	5.3	c	c	163	88	86	44	249	132	191	22†	7†	16†	15†	47†	28†	154	105	130
Willington 5 ..	6	6	45	35	6.1	4.9	c	c	109	69	70	43	179	112	146	13†	8†	17†	16†	56†	33†	135§	122	129
Willington 6 ..	6	6	50	41	5.2	5.7	c	c	76	82	66	47	142	126	134	12†	8†	15†	17†	33†	27†	122	118	120
Willington 7 ..	6	6	38	38	5.2	4.8	c	c	98	73	79	44	177	117	147	12†	8†	14†	16†	52†	24†	152	134	143
Willington 8 ..	6	6	45	39	5.5	5.5	c	c	142	84	86	50	228	134	181	17†	10†	15†	17†	46†	35†	144§	133	139
Willington 9 ..	5	6	50	37	5.0	5.1	c	c	135	94	119	58	254	152	203	15†	10†	15†	20†	46†	35†	133	133	133
Wolverhampton 1 ..	6	6	35	41	4.6	4.2	9	16	392	389	170	152	571	557	564	37	45	58	70	64	60	348	379	364
Wombwell 1 ..	6	6	30	51	5.0	4.5	4	4	198	170	130	133	332	307	320	11	12	20	46	61	127	185	309	247
Wrexham 1 ..	4	6	47	49	5.7	4.7	3	3	94	78	83	77	180	158	169	17	14	25	54	68	108	174	263	219
Wrexham 2 ..	6	6	45	60	6.2	5.2	6	4	288	476	262	310	556	790	673	27	26	27	56	58	99	175	292	234
Yeadon 2 ..	5	6	9	46	5.5†	4.2	4	5	161	206	92	129	257	340	299	7	11	24	47	67	183	185	439	312
Yiewsley and West Drayton 1 ..	5	6	37	38	6.0	5.0	20	15	311	140	121	82	452	237	345	30	20	21	37	67	63	353	189	271
York 1 ..	5	6	31	57	5.7	4.3	3	6	206	307	145	191	354	504	429	23	34	22	69	83	122	204	347	276
York 2 ..	6	6	33	51	5.6	4.2	2	4	130	139	62	67	194	210	202	13	22	20	50	61	86	170	246	208

† Average for 2 months only. § Average for 5 months only. || Average for 4 months only.

TABLE 9.—Suspended Matter (Smoke)—Monthly and Seasonal Averages, 1955-6

Average daily or hourly smoke concentrations were determined by the Daily Smoke Filter or the Owens Automatic Filter respectively. Where observations are made with the Daily Smoke Filter, the 'highest daily mean' shown in the table is the highest observed value and is, therefore, the mean value of the smoke concentration on the day concerned. Where observations are made with the Owens Automatic Filter the 'highest daily mean' is the highest of the daily smoke concentrations obtained by averaging the hourly readings for each day.

T indicates trace, i.e., less than 0.5 milligrammes per 100 cubic metres.

\* indicates Automatic Filter.

See note on page 18 on the significance of smoke concentrations.

Site of instrument	Result reported	Smoke concentration, milligrammes per 100 cubic metres														
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Summer	Winter	Year
Barnes 1 ..	average	—	—	—	—	—	—	—	—	—	—	—	26	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	58	—	—	—
Batley 1 ..	average	20	18	17	11	11	22	23	39	37	40	38	19	17	33	25
	highest daily mean	43	29	28	18	21	54	62	75	82	130	104	34	—	—	—
Belfast 11 ..	average	—	—	—	—	—	23	35	39	37	38	39	24	—	35	—
	highest daily mean	—	—	—	—	—	33	70	83	128	98	82	32	—	—	—
Bentley-with-Arksey 1 ..	average	14	11	11	9	—	22	25	36	34	30	24	18	13	28	21
	highest daily mean	44	16	16	18	—	49	78	82	80	83	78	36	—	—	—
Bilston 3 ..	average	10	7	7	5	4	6	11	25	22	24	23	18	7	21	14
	highest daily mean	15	9	11	10	9	16	30	70	72	112	56	43	—	—	—
Bingley 1 ..	average	4	2	2	2	2	3	5	9	7	10	10	11	3	9	6
	highest daily mean	11	6	6	4	5	9	19	21	20	28	22	21	—	—	—
Bolton 9 ..	average	19	9	8	7	10	15	28	47	37	45	35	20	11	35	23
	highest daily mean	80	31	16	17	23	43	85	138	92	222	138	43	—	—	—
Bradford 6 ..	average	29	25	21	24	20	33	38	57	54	45	34	27	25	43	34
	highest daily mean	67	47	31	46	46	96	100	119	128	124	105	88	—	—	—
Brentford 1 ..	average	8	4	4	4	5	5	12	16	16	19	16	14	5	16	11
	highest daily mean	28	9	11	11	18	14	32	55	37	63	43	28	—	—	—
Brierley Hill 9 ..	average	13	11	9	10	10	9	15	29	20	26	28	18	10	23	17
	highest daily mean	23	20	14	15	20	26	29	100	59	99	65	30	—	—	—
Bristol 8 ..	average	—	10	8	11	—	—	—	40	—	—	—	—	10	40	—
	highest daily mean	—	17	15	32	—	—	—	104	—	—	—	—	—	—	—
Burnley 4 ..	average	18	12	8	5	8	12	24	35	27	30	31	17	11	27	19
	highest daily mean	44	19	15	13	15	26	56	103	68	86	72	33	—	—	—
Camberley 1 ..	average	—	—	—	—	—	—	—	—	—	15	14	15	—	15	—
	highest daily mean	—	—	—	—	—	—	—	—	—	35	24	25	—	—	—

TABLE 9 (contd.)

Site of instrument	Result reported	Smoke concentration, milligrammes per 100 cubic metres														
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Summer	Winter	Year
Cannock 1 .. ..	average	6	2	2	2	2	6	9	19	13	18	—	10	3	14	9
	highest daily mean	21	4	4	7	5	23	31	77	42	65	—	23	—	—	—
Cardiff 2 .. ..	average	5	3	2	3	3	3	5	8	6	7	6	4	3	6	5
	highest daily mean	11	5	5	5	4	5	13	19	24	16	17	9	—	—	—
Cardington 1 .. ..	average	4	2	2	2	2	4	6	10	—	—	—	—	3	8	6
	highest daily mean	13	5	6	6	4	10	13	18	—	—	—	—	—	—	—
Carshalton 4 .. ..	average	7	3	2	4	4	2	11	17	14	17	21	11	4	15	10
	highest daily mean	30	10	5	10	13	6	28	48	57	59	55	18	—	—	—
Castleford 5 .. ..	average	19	18	13	—	—	24	21	34	29	32	30	21	18	28	23
	highest daily mean	45	36	23	—	—	45	53	89	72	54	80	33	—	—	—
Chapelton 2 .. ..	average	13	11	14	9	16	9	12	21	24	20	15	24	12	19	16
	highest daily mean	25	20	24	17	27	25	25	48	64	41	29	46	—	—	—
Chiswick 1 .. ..	average	10	6	7	5	5	6	15	18	21	25	20	18	7	20	14
	highest daily mean	28	20	23	13	14	17	34	62	60	97	45	34	—	—	—
Chiswick 2 .. ..	average	—	—	—	—	—	—	—	—	—	23	20	17	—	20	—
	highest daily mean	—	—	—	—	—	—	—	—	—	74	52	41	—	—	—
Church Fenton 1 .. ..	average	8	5	3	4	4	7	10	12	12	16	10	6	5	11	8
	highest daily mean	16	13	10	12	11	14	24	44	40	43	37	18	—	—	—
Cleckheaton 2 .. ..	average	16	17	11	11	12	16	17	32	32	37	28	21	14	28	21
	highest daily mean	34	29	17	20	22	38	29	73	65	107	71	40	—	—	—
Dagenham 2 .. ..	average	—	—	—	—	—	6	11	12	22	36	20	19	6	20	—
	highest daily mean	—	—	—	—	—	13	23	47	74	135	58	54	—	—	—
Darton 1 .. ..	average	—	8	8	7	7	11	13	20	21	18	13	11	8	16	12
	highest daily mean	—	14	12	17	15	21	47	54	60	30	26	26	—	—	—
Doncaster 16 .. ..	average	24	18	18	18	16	23	33	41	40	60	56	43	20	46	33
	highest daily mean	54	26	31	32	42	40	64	101	130	116	132	65	—	—	—
East Kilbride 1 .. ..	average	4	3	2	1	2	2	5	9	9	8	12	7	2	8	5
	highest daily mean	14	10	6	3	7	9	15	23	22	21	28	14	—	—	—
Elland 2 .. ..	average	—	—	—	—	14	15	17	32	26	27	32	31	15	28	22
	highest daily mean	—	—	—	—	24	36	41	58	62	58	66	52	—	—	—
Erith 1 .. ..	average	7	5	4	3	3	7	15	18	16	20	18	10	5	16	11
	highest daily mean	26	12	9	8	9	16	38	44	73	61	67	26	—	—	—
Eskdalemuir 1 .. ..	average	1	1	1	1	1	1	1	2	1	2	2	3	1	2	2
	highest daily mean	4	4	2	2	3	3	3	5	6	7	7	7	—	—	—
Exeter 1 .. ..	average	—	—	—	—	—	—	—	—	26	20	17	10	—	18	—
	highest daily mean	—	—	—	—	—	—	—	—	85	65	43	25	—	—	—
Fakenham 1 .. ..	average	2	2	1	1	1	2	3	3	3	3	2	—	2	3	3
	highest daily mean	5	5	4	2	3	4	9	9	8	6	9	—	—	—	—
*Glasgow 1 .. ..	average	50	32	19	29	31	37	70	109	89	87	77	45	33	80	57
	highest daily mean	90	57	45	66	62	83	156	278	179	163	150	83	—	—	—
*Glasgow 5 .. ..	average	16	6	5	4	7	5	18	36	49	42	40	32	7	36	22
	highest daily mean	61	19	22	20	18	27	93	119	163	144	100	67	—	—	—
*Glasgow 10 .. ..	average	16	14	13	17	18	24	51	70	47	—	45	22	17	47	32
	highest daily mean	47	30	37	48	53	64	127	191	123	—	98	48	—	—	—
Goole 2 .. ..	average	22	14	13	9	11	15	22	32	36	31	31	20	14	29	22
	highest daily mean	49	25	21	14	25	26	39	70	75	67	46	41	—	—	—
Harrogate 1 .. ..	average	—	5	3	2	3	5	6	10	15	7	11	10	4	10	7
	highest daily mean	—	13	7	11	6	22	14	32	33	28	42	21	—	—	—
Hayes 1 .. ..	average	—	—	—	—	—	—	—	—	—	—	—	20	—	20	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	61	—	—	—
Hayes 2 .. ..	average	—	—	—	—	—	—	—	—	—	—	—	18	—	18	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	45	—	—	—
Helmshore 1 .. ..	average	—	—	—	—	—	—	—	—	—	—	—	12	—	13	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	14	—	—	—
Hemsworth 2 .. ..	average	18	15	15	13	—	13	12	29	26	25	36	24	15	25	20
	highest daily mean	39	26	23	18	—	29	39	62	66	62	66	46	—	—	—
Horbury 2 .. ..	average	18	14	13	10	7	10	16	28	23	24	27	17	12	23	18
	highest daily mean	37	27	24	13	16	19	39	86	71	75	69	29	—	—	—
Hornchurch 1 .. ..	average	14	9	6	2	4	6	23	27	29	31	21	20	7	25	16
	highest daily mean	29	23	14	5	8	17	63	89	94	85	50	42	—	—	—
Keighley 7 .. ..	average	10	14	7	—	—	—	—	11	—	23	19	—	10	18	14
	highest daily mean	18	26	20	—	—	—	—	33	—	37	49	—	—	—	—
Keighley 8 .. ..	average	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kew 1 .. ..	average	8	4	5	3	4	5	13	20	16	20	16	11	5	16	11
	highest daily mean	28	13	12	8	11	14	37	74	50	117	45	22	—	—	—
Kingston upon Hull 2 .. ..	average	25	23	17	18	17	26	39	47	48	55	54	34	21	46	34
	highest daily mean	44	35	35	37	31	52	73	82	166	197	88	58	—	—	—
Lancaster 4 .. ..	average	24	12	9	14	14	16	26	44	29	40	32	18	15	32	24
	highest daily mean	71	23	16	35	31	37	62	107	69	105	69	38	—	—	—
Leeds 4 .. ..	average	48	22	20	20	24	44	97	121	105	104	88	67	30	97	64
	highest daily mean	86	45	30	34	49	76	227	258	229	303	239	110	—	—	—
Leeds 8 .. ..	average	21	17	19	9	14	22	29	46	40	39	26	28	17	35	26
	highest daily mean	47	47	41	16	43	76	165	150	135	204	147	64	—	—	—
Leicester 5 .. ..	average	13	11	9	7	7	11	18	27	18	26	25	16	10	22	16
	highest daily mean	42	22	17	13	9	21	45	82	68	128	51	39	—	—	—

TABLE 9 (contd.)

Site of instrument	Result reported	Smoke concentration, milligrammes per 100 cubic metres														
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Summer	Winter	Year
Lerwick 1 .. ..	average	1	T	T	T	T	T	T	T	1	T	T	T	1	T	T
	highest daily mean	2	1	1	1	1	2	2	3	1	2	1	3	T	1	T
Leyton 1 .. ..	average	14	8	4	2	4	6	26	38	37	49	37	23	6	35	21
	highest daily mean	57	17	12	6	9	14	94	90	107	171	115	40			
*Liverpool 12 .. ..	average	—	—	—	18	14	18	27	55	45	27	33	15	17	34	26
	highest daily mean	—	—	—	41	33	47	105	133	110	101	87	29			
*Liverpool 13 .. ..	average	22	16	7	—	—	—	—	—	—	—	—	—	15	—	—
	highest daily mean	49	41	17	—	—	—	—	—	—	—	—	—			
London, Bermondsey 3	average	—	—	—	—	—	—	48	54	54	52	33	19	—	43	—
	highest daily mean	—	—	—	—	—	—	114	149	178	213	128	41			
London, Bethnal Green 2	average	—	—	—	—	—	—	24	28	29	36	29	—	—	29	—
	highest daily mean	—	—	—	—	—	—	51	52	61	63	61	—			
London, Camberwell 3	average	13	10	9	11	8	12	26	30	29	31	26	18	11	27	19
	highest daily mean	37	19	18	23	16	26	77	70	88	130	65	28			
London, Chelsea 2 ..	average	28	19	—	16	19	21	46	56	53	74	50	41	21	53	37
	highest daily mean	65	25	—	26	35	35	102	170	130	404	131	79			
London, Chelsea 3 ..	average	—	10	15	8	11	15	33	32	30	45	28	24	12	32	22
	highest daily mean	—	16	35	27	21	41	72	98	72	244	93	44			
London, City 1 .. ..	average	7	6	5	5	4	7	16	26	30	32	26	15	6	24	15
	highest daily mean	20	15	11	10	9	33	39	67	111	185	64	43			
London, City 9 .. ..	average	7	8	7	6	6	7	16	36	34	53	37	21	7	33	20
	highest daily mean	17	16	13	10	10	15	27	92	88	283	108	47			
London, City 10 .. ..	average	25	19	16	15	18	23	31	41	42	51	42	27	19	39	29
	highest daily mean	58	35	29	33	44	43	48	87	77	206	115	43			
London, City 11 .. ..	average	11	6	4	4	4	6	14	19	19	28	28	21	6	22	14
	highest daily mean	25	9	9	8	9	11	39	53	58	159	105	43			
London, City 12 .. ..	average	13	8	5	3	4	6	15	20	21	29	22	16	7	21	14
	highest daily mean	28	13	9	7	9	18	36	70	55	120	64	42			
London, Deptford 1	average	27	18	13	12	13	16	48	62	67	85	66	43	17	62	40
	highest daily mean	71	31	20	19	24	34	122	167	193	390	226	76			
London, Deptford 2 ..	average	—	—	—	—	—	—	35	52	52	69	65	48	—	54	—
	highest daily mean	—	—	—	—	—	—	73	142	108	262	220	73			
London, Finsbury 1 ..	average	22	16	14	10	17	25	57	63	59	58	46	17	56	37	
	highest daily mean	50	32	25	25	33	42	94	159	158	144	107	86			
London, Greenwich 3 ..	average	10	9	8	6	6	7	21	25	25	31	30	17	8	25	17
	highest daily mean	22	17	14	16	12	12	37	53	67	110	113	31			
London, Greenwich 4 ..	average	—	—	12	13	—	16	27	42	43	41	42	34	14	38	26
	highest daily mean	—	—	51	47	—	49	65	122	152	215	144	71			
London, Greenwich 5 ..	average	—	—	31	18	25	15	42	54	51	55	71	44	22	53	38
	highest daily mean	—	—	67	51	60	52	105	141	142	229	222	98			
London, Hackney 4 ..	average	24	16	10	9	11	15	43	59	64	82	—	52	14	60	37
	highest daily mean	52	25	16	18	19	23	92	139	203	374	—	94			
London, Hackney 5 ..	average	33	30	19	11	24	37	81	77	70	106	61	53	26	75	51
	highest daily mean	96	57	62	33	89	105	260	209	195	402	160	88			
London, Hackney 6 ..	average	—	—	14	9	17	27	71	69	72	100	52	51	17	69	43
	highest daily mean	—	—	50	29	58	77	222	157	224	319	116	85			
London, Hammersmith 4	average	—	14	6	5	4	11	19	38	38	—	42	37	8	35	22
	highest daily mean	—	31	19	8	11	19	46	74	76	—	102	67			
London, Hammersmith 5	average	—	—	—	7	7	20	24	45	54	46	34	42	11	41	26
	highest daily mean	—	—	—	10	17	33	55	88	103	154	91	89			
London, Hampstead 3 ..	average	13	8	7	7	8	11	21	34	41	54	34	34	9	36	23
	highest daily mean	25	14	18	14	20	20	56	130	134	220	93	105			
London, Hampstead 4 ..	average	22	14	10	7	10	16	31	48	57	79	50	51	13	53	33
	highest daily mean	57	22	16	11	20	26	80	101	208	329	68	98			
London, Holborn 2 ..	average	—	—	—	—	—	—	—	63	53	79	59	46	—	60	—
	highest daily mean	—	—	—	—	—	—	—	109	114	236	138	91			
London, Kensington 1 ..	average	12	6	6	6	7	8	16	21	25	34	25	19	8	23	16
	highest daily mean	38	13	13	12	17	22	37	63	64	150	70	38			
London, Kensington 4 ..	average	—	—	16	20	20	16	30	45	43	45	24	18	18	34	26
	highest daily mean	—	—	30	45	38	38	46	121	123	231	66	33			
London, Kensington 5 ..	average	—	—	—	—	—	22	39	47	41	42	38	32	22	40	—
	highest daily mean	—	—	—	—	—	33	56	66	85	103	59	45			
London, Lambeth 2 ..	average	20	14	14	12	16	18	37	47	48	58	42	38	16	45	31
	highest daily mean	53	29	27	25	38	60	81	122	110	257	135	79			
London, Lambeth 6 ..	average	19	9	8	6	6	8	23	45	40	51	37	33	9	38	24
	highest daily mean	45	20	19	14	13	22	69	133	137	252	114	66			
London, Lambeth 7 ..	average	38	21	13	11	13	19	51	63	64	82	62	43	18	61	40
	highest daily mean	69	35	17	19	23	37	103	167	193	357	168	85			
London, Lambeth 8 ..	average	14	10	10	9	11	13	26	37	34	44	34	27	11	34	23
	highest daily mean	64	17	16	15	21	37	54	94	105	190	100	52			
London, Lambeth 9 ..	average	—	—	—	—	—	—	—	56	39	49	38	28	—	42	—
	highest daily mean	—	—	—	—	—	—	—	140	93	194	140	52			

TABLE 9 (contd.)

Site of instrument	Result reported	Smoke concentration, milligrammes per 100 cubic metres														
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Summer	Winter	Year
London, Lambeth 10 ..	average	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79
London, Lewisham 4 ..	average	14	7	5	3	3	7	12	33	23	37	32	16	7	26	17
	highest daily mean	31	10	6	4	4	11	20	51	93	249	52	25	—	—	—
London, Lewisham 5 ..	average	12	6	4	3	3	8	12	29	26	34	30	15	6	24	15
	highest daily mean	24	9	6	4	4	12	18	45	131	230	48	20	—	—	—
London, Lewisham 6 ..	average	13	6	4	3	3	6	11	26	19	24	28	13	6	20	13
	highest daily mean	30	9	5	4	3	8	18	42	47	61	45	18	—	—	—
London, Paddington 2	average	—	28	24	25	—	—	—	77	78	91	101	38	26	77	52
	highest daily mean	—	52	41	50	—	—	—	170	179	234	175	65	—	—	—
London, St. Marylebone 6	average	18	9	7	11	24	24	79	115	85	106	50	39	16	79	48
	highest daily mean	47	18	28	27	45	55	162	262	218	873	88	76	—	—	—
62 London, St. Marylebone 7	average	—	—	—	—	17	19	84	100	84	84	54	36	18	74	46
	highest daily mean	—	—	—	—	33	58	184	218	232	594	113	74	—	—	—
London, St. Pancras 4	average	—	17	13	20	18	22	30	42	41	40	44	34	18	39	29
	highest daily mean	—	32	30	31	34	40	54	74	122	121	77	74	—	—	—
London, St. Pancras 5	average	—	12	9	6	8	11	14	23	36	30	21	24	9	25	17
	highest daily mean	—	24	8	14	18	24	39	57	116	145	35	44	—	—	—
London, Shoreditch 1 ..	average	13	8	8	14	10	14	19	19	24	22	18	24	11	21	16
	highest daily mean	25	18	21	28	22	39	44	64	94	42	53	53	—	—	—
London, Southwark 3 ..	average	30	20	20	18	29	29	66	94	87	117	65	62	24	82	53
	highest daily mean	100	49	36	39	59	59	132	195	219	428	136	136	—	—	—
London, Stepney 3 ..	average	—	—	—	—	—	—	—	—	—	46	60	48	36	48	—
	highest daily mean	—	—	—	—	—	—	—	—	—	79	195	186	61	51	—
London, Stepney 4 ..	average	—	—	—	—	—	—	—	—	—	—	61	41	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	99	78	—	—	—
London, Stoke Newington 3	average	12	13	8	6	5	10	29	34	38	61	59	36	9	43	26
	highest daily mean	53	27	19	12	17	27	101	104	115	172	204	57	—	—	—
London, Wandsworth 1	average	—	—	—	—	—	—	26	27	24	26	27	17	—	25	—
	highest daily mean	—	—	—	—	—	—	54	65	67	70	67	30	—	—	—
London, Wandsworth 2	average	—	—	—	—	—	—	14	24	23	29	23	18	—	22	—
	highest daily mean	—	—	—	—	—	—	37	87	71	181	107	53	—	—	—

London, Westminster 6	average	—	—	—	—	—	—	29	38	36	59	—	26	—	38	—
	highest daily mean	—	—	—	—	—	—	66	106	97	274	—	46	—	—	—
London, Westminster 7	average	9	6	6	5	6	8	18	22	18	37	13	9	7	20	14
	highest daily mean	36	10	12	7	11	21	45	51	53	157	37	15	—	—	—
London, Westminster 8	average	24	18	13	11	—	13	21	—	35	40	—	—	16	32	24
	highest daily mean	58	35	30	19	—	24	51	—	69	197	—	—	—	—	—
London, Westminster 9	average	—	22	14	12	—	18	23	—	53	49	—	—	17	42	30
	highest daily mean	—	34	28	18	—	29	58	—	195	224	—	—	—	—	—
London, Westminster 10	average	12	7	7	9	10	11	20	23	22	27	20	18	9	22	16
	highest daily mean	28	18	17	14	22	22	53	54	54	115	39	33	—	—	—
London, Westminster 11	average	13	7	7	5	6	8	24	28	29	28	26	22	8	26	17
	highest daily mean	35	18	13	11	17	19	52	78	75	150	77	38	—	—	—
London, Woolwich 1 ..	average	21	17	11	5	7	22	37	40	37	52	29	16	14	35	25
	highest daily mean	42	33	36	42	32	50	114	151	117	207	123	52	—	—	—
London, Woolwich 7 ..	average	17	12	9	10	11	—	40	41	36	50	42	23	12	39	26
	highest daily mean	48	24	14	16	17	—	91	119	99	246	185	57	—	—	—
London, Woolwich 8 ..	average	—	—	—	—	—	—	—	34	27	24	20	27	—	26	—
	highest daily mean	—	—	—	—	—	—	—	106	85	94	154	62	—	—	—
London, Woolwich 9 ..	average	—	—	—	—	—	—	—	27	23	19	18	21	—	22	—
	highest daily mean	—	—	—	—	—	—	—	83	79	90	49	45	—	—	—
63 London, Woolwich 10 ..	average	—	—	—	—	—	—	—	38	35	39	29	29	—	34	—
	highest daily mean	—	—	—	—	—	—	—	99	101	129	107	59	—	—	—
Longbenton 1 .. ..	average	12	6	4	3	5	5	10	16	20	20	10	8	6	14	10
	highest daily mean	35	13	8	8	10	14	37	52	58	77	43	25	—	—	—
Luton 1 .. ..	average	6	4	3	2	2	4	9	16	14	15	14	11	4	13	9
	highest daily mean	31	14	7	6	7	10	33	54	54	109	53	43	—	—	—
Lytham St. Annes 1 ..	average	7	4	4	3	4	4	9	18	11	11	15	12	4	13	9
	highest daily mean	19	12	12	6	10	11	30	54	37	42	44	24	—	—	—
Maltby 1 .. ..	average	13	8	7	6	7	12	15	19	17	17	10	9	16	13	13
	highest daily mean	25	25	17	17	12	30	47	38	47	29	15	—	—	—	—
Manchester 9 .. ..	average	19	13	9	12	13	18	28	54	30	35	52	24	14	37	26
	highest daily mean	57	27	20	24	26	28	69	340	102	173	118	34	—	—	—
Morley 2 .. ..	average	20	16	16	—	—	—	—	—	—	—	—	—	17	—	—
	highest daily mean	33	33	25	—	—	—	—	—	—	—	—	—	—	—	—
Morley 3 .. ..	average	—	—	—	10	14	—	24	30	27	33	25	23	12	27	20
	highest daily mean	—	—	—	19	23	—	62	66	60	75	51	41	—	—	—
Mytholmroyd 1 .. ..	average	12	5	5	5	6	9	11	20	22	24	14	13	7	17	12
	highest daily mean	32	11	14	10	14	23	33	74	72	74	63	35	—	—	—
Newcastle upon Tyne 10	average	3	3	2	2	8	12	—	—	—	—	—	—	5	—	—
	highest daily mean	11	8	6	7	22	45	—	—	—	—	—	—	—	—	—
Nottingham 1 .. ..	average	3	2	4	5	4	7	14	23	19	20	16	8	4	17	11
	highest daily mean	13	5	10	8	15	17	41	73	46	92	55	21	—	—	—

TABLE 9 (contd.)

Site of instrument	Result reported	Smoke concentration, milligrammes per 100 cubic metres														
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Summer	Winter	Year
Otley 2 .. ..	average	7	10	7	6	10	5	14	18	18	14	19	—	8	17	13
	highest daily mean	15	23	18	11	16	23	41	39	40	26	52	—	—	—	—
Pembroke Dock 1 .. ..	average	1	1	1	1	1	1	1	3	2	2	3	2	1	2	2
	highest daily mean	3	3	2	3	4	2	5	6	5	6	5	6	—	—	—
Pontefract 1 .. ..	average	20	14	13	9	8	18	25	29	25	33	22	20	14	26	20
	highest daily mean	37	32	25	21	25	32	39	57	37	62	34	30	—	—	—
Preston 4 .. ..	average	19	14	20	14	15	15	27	35	25	31	33	21	16	29	23
	highest daily mean	39	35	60	31	36	33	50	75	58	87	83	35	—	—	—
Rawmarsh 2 .. ..	average	32	25	22	15	20	30	46	61	67	60	65	40	24	57	41
	highest daily mean	53	35	39	32	45	66	85	163	197	123	176	57	—	—	—
Ripon 1 .. ..	average	13	8	8	9	7	7	9	20	18	23	19	12	9	17	13
	highest daily mean	23	15	15	12	10	29	15	42	33	58	41	26	—	—	—
Rothwell 2 .. ..	average	11	13	8	8	7	15	20	31	32	31	31	11	10	26	18
	highest daily mean	21	22	15	15	24	43	53	85	85	87	83	18	—	—	—
64 Saddleworth 1 .. ..	average	—	10	8	11	6	13	13	15	13	18	15	9	10	14	12
	highest daily mean	—	23	12	20	16	34	41	50	28	58	41	17	—	—	—
St. Helens 7 .. ..	average	40	39	29	21	33	48	72	87	77	89	106	79	35	85	60
	highest daily mean	64	81	55	39	93	96	137	191	185	171	168	128	—	—	—
Sale 4 .. ..	average	23	10	6	6	10	12	35	64	33	26	42	16	11	36	24
	highest daily mean	88	24	12	11	24	28	125	247	115	117	120	50	—	—	—
Salford 2 .. ..	average	67	39	34	29	22	31	40	88	66	86	75	41	37	66	52
	highest daily mean	190	84	74	71	63	52	79	362	180	400	184	69	—	—	—
Sheffield 2 .. ..	average	26	15	14	15	13	16	33	51	47	51	41	27	17	42	30
	highest daily mean	82	30	34	31	23	55	128	188	230	290	104	48	—	—	—
Sheffield 8 .. ..	average	32	25	23	18	21	23	32	52	47	44	42	38	24	43	34
	highest daily mean	57	32	37	25	33	40	61	137	90	87	73	53	—	—	—
Sheffield 32 .. ..	average	27	27	38	18	16	24	42	56	51	57	44	31	25	47	36
	highest daily mean	99	48	127	33	34	78	150	181	187	438	104	65	—	—	—
Sheffield 36 .. ..	average	—	13	16	11	12	15	38	65	67	73	63	38	13	57	35
	highest daily mean	—	30	40	28	28	44	202	204	270	505	272	79	—	—	—
Sheffield 37 .. ..	average	—	23	22	11	14	20	42	65	69	71	58	46	18	59	39
	highest daily mean	—	41	48	18	28	61	145	183	257	383	94	87	—	—	—
Sheffield 38 .. ..	average	—	23	21	18	19	24	42	59	70	72	58	43	21	57	39
	highest daily mean	—	37	36	32	34	62	133	139	165	309	103	90	—	—	—
Sheffield 39 .. ..	average	—	24	19	13	11	21	43	63	74	62	58	44	18	57	38
	highest daily mean	—	44	36	25	22	68	105	157	189	194	163	79	—	—	—
Sheffield 40 .. ..	average	—	19	16	11	12	21	38	54	68	74	54	38	16	54	35
	highest daily mean	—	30	27	19	29	69	108	111	175	508	105	119	—	—	—
Sheffield 41 .. ..	average	—	22	20	12	12	23	38	60	65	74	50	48	18	56	37
	highest daily mean	—	34	35	23	29	64	110	106	183	355	112	80	—	—	—
Skipton 1 .. ..	average	—	—	17	18	18	23	27	25	—	23	24	26	19	25	22
	highest daily mean	—	—	26	26	26	30	39	39	—	30	33	38	—	—	—
Slaithwaite 2 .. ..	average	17	17	15	12	11	9	9	13	9	13	20	23	14	15	15
	highest daily mean	26	30	25	16	38	19	15	24	23	21	53	38	—	—	—
Southampton 22 .. ..	average	9	—	—	2	2	4	13	22	22	34	27	—	4	24	14
	highest daily mean	14	—	—	4	8	10	54	74	70	98	63	—	—	—	—
Southampton 23 .. ..	average	12	9	3	2	2	3	11	23	17	23	24	15	5	19	12
	highest daily mean	20	14	9	5	5	8	26	61	34	77	58	33	—	—	—
Southampton 24 .. ..	average	14	9	3	2	2	3	12	21	21	29	25	18	6	21	14
	highest daily mean	23	17	12	3	5	9	31	50	48	71	58	35	—	—	—
Southampton 25 .. ..	average	9	5	1	2	2	2	4	—	16	16	15	17	4	14	9
	highest daily mean	14	12	7	3	4	5	11	—	40	71	30	45	—	—	—
Southampton 26 .. ..	average	—	5	2	2	2	2	9	16	16	20	19	12	3	15	9
	highest daily mean	—	11	9	3	4	8	19	39	34	59	39	23	—	—	—
65 Stocksbridge 9 .. ..	average	—	—	—	—	—	—	—	—	—	41	45	44	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	117	83	72	—	—	—
Stornoway 1 .. ..	average	1	1	1	1	1	T	T	1	1	2	2	2	1	1	1
	highest daily mean	2	3	2	4	1	1	2	4	3	4	3	5	—	—	—
Stourbridge 1 .. ..	average	14	11	—	—	—	—	—	—	—	—	—	—	13	—	—
	highest daily mean	26	25	—	—	—	—	—	—	—	—	—	—	—	—	—
Swaffham 1 .. ..	average	—	—	—	—	1	2	4	4	3	5	4	3	2	4	3
	highest daily mean	—	—	—	—	3	5	10	12	9	12	18	8	—	—	—
Teddington 1 .. ..	average	8	3	4	4	4	3	9	16	14	15	15	—	4	14	9
	highest daily mean	29	10	8	8	13	6	29	63	39	98	30	—	—	—	—
Thorne 1 .. ..	average	9	6	4	2	4	7	17	21	19	—	—	—	9	17	11
	highest daily mean	23	20	10	5	13	17	56	58	59	—	—	—	—	—	—
Tottenham 3 .. ..	average	—	—	—	—	—	—	—	—	—	55	37	23	—	38	—
	highest daily mean	—	—	—	—	—	—	—	—	—	175	193	66	—	—	—
Wadebridge 1 .. ..	average	1	1	1	1	1	T	1	—	—	—	—	—	1	1	—
	highest daily mean	4	3	2	2	2	1	4	—	—	—	—	—	—	—	—
Wallsend 2 .. ..	average	32	25	18	11	16	23	34	55	55	65	57	57	21	51	36
	highest daily mean	82	48	32	32	50	67	103	101	163	141	161	62	—	—	—
Walsall 11 .. ..	average	17	11	8	9	10	15	21	41	36	40	40	27	12	34	23
	highest daily mean	33	19	13	18	18	29	39	128	95	149	132	36	—	—	—
Warrington 8 .. ..	average	18	11	8	8	10	14	27	44	30	31	33	14	12	30	21
	highest daily mean	53	32	22	21	23	35	71	180	104	138	84	31	—	—	—

TABLE 9 (contd.)

Site of instrument	Result reported	Smoke concentration, milligrammes per 100 cubic metres												Summer	Winter	Year
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.			
Wednesfield 1 .. ..	average	21	9	5	3	6	10	17	27	23	24	—	—	9	23	16
	highest daily mean	61	17	10	5	10	28	51	116	43	116	—	—			
Wetherby 1 .. ..	average	10	7	7	6	7	10	12	17	18	20	18	14	8	17	13
	highest daily mean	21	13	12	9	16	25	22	48	47	38	56	25			
Willenhall 1 .. ..	average	49	43	34	33	30	38	41	61	65	66	60	63	38	59	49
	highest daily mean	108	64	56	72	62	76	116	198	128	165	145	131			
Wolverhampton 3 .. ..	average	5	2	2	2	2	2	3	7	9	9	11	6	3	8	6
	highest daily mean	12	6	5	4	6	6	8	19	28	55	35	25			
Wombwell 1 .. ..	average	20	14	13	10	10	16	22	39	36	41	—	—	14	33	24
	highest daily mean	47	28	28	22	24	34	46	82	95	150	—	—			
Woodford 1 .. ..	average	—	7	4	2	5	7	17	43	40	48	25	20	5	32	19
	highest daily mean	—	16	9	5	13	15	51	71	131	112	79	46			
Yeadon 1 .. ..	average	13	7	6	8	7	12	12	17	8	12	13	12	9	12	11
	highest daily mean	25	12	9	14	19	21	23	28	21	18	25	21			
Yiewsley and West Drayton 1	average	—	6	6	5	6	6	12	18	14	17	14	14	6	15	11
	highest daily mean	—	12	12	11	14	18	32	53	58	70	29	39			

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TABLE 10. *Suspended Matter (Smoke)—Week-day and Week-end Averages, 1955-6*

T indicates trace, i.e., less than 0.5 milligrammes per 100 cubic metres. See note on page 18 on the significance of smoke concentrations.

Site of instrument	Summer		Winter		Year	
	Week-day	Week-end	Week-day	Week-end	Week-day	Week-end
Barnes 1 .. ..	—	13	29	21	—	21
Barley 1 .. ..	18	21*	34	29	—	28
Belfast 11 .. ..	24*	11	36	34	—	28
Bentley-with-Arksey 1	15	6	30	21	—	16
Bilston 3 .. ..	7	2	21	18	—	12
Bingley 1 .. ..	3	9	9	8	—	5
Bolton 9 .. ..	13	8	37	30	—	19
Bradford 6 .. ..	28	17	45	33	—	25
Brentford 1 .. ..	5	4	16	14	—	9
Brierley Hill 9 .. ..	12	8	25	18	—	13
Bristol 8 .. ..	11†	8†	43*	33*	—	21
Burnley 4 .. ..	12	7	28	25	—	16
Camberley 1 .. ..	—	3	15	13	—	7
Cannock 1 .. ..	3	2	15	11	—	5
Cardiff 2 .. ..	3	2	6	6	—	5
Cardington 1 .. ..	3	2	8†	7†	—	5
Carlshalon 4 .. ..	3	2	16	13	—	8
Castleford 5 .. ..	19§	14§	31	21	—	18
Chapelton 2 .. ..	13	9	20	17	—	13
Chiswick 1 .. ..	7	5	21	16	—	11
Chiswick 2 .. ..	—	5	22	14	—	7
Church Fenton 1 .. ..	5	5	12	9	—	10
Cleckheaton 2 .. ..	15	12*	31	21	—	17
Dagenham 2 .. ..	7*	4*	22	15	—	10
Darton 1 .. ..	8	7	17	13	—	10
Doncaster 16 .. ..	22	18	51	40	—	29
East Kilbride 1 .. ..	2	2	8	8	—	5
Elland 2 .. ..	16†	11†	30	21	—	16
Erith 1 .. ..	5	4	17	15	—	10
Eskaletnir 1 .. ..	1	1	2	2	—	2
Exeter 1 .. ..	—	—	20§	12§	—	—
Fakenham 1 .. ..	1	1	3	3	—	2
Glasgow 1 .. ..	37	25	80	77	—	51
Glasgow 5 .. ..	8	5	38	38	—	18
Glasgow 10 .. ..	20	11	47	47	—	29
Goole 2 .. ..	15	11	31	25	—	18
Harrigate 1 .. ..	3	4	10	10	—	7
Hayes 1 .. ..	—	—	23*	15*	—	—
Hayes 2 .. ..	—	—	18*	17*	—	—
Helmshore 1 .. ..	—	—	13†	11†	—	—
Hemsworth 2 .. ..	16	9	28	19	—	15
Horbury 2 .. ..	13	5	24	19	—	14
Horchurch 1 .. ..	7	5	27	21	—	13
Keighley 7 .. ..	12†	10†	19†	15†	—	13
Kew 1 .. ..	5	4	17	13	—	9
Kingston upon Hull 2	22	18	47	43	—	31
Lancaster 4 .. ..	16	13	33	27	—	30
Leeds 4 .. ..	33	20	110	68	—	44
Leeds 8 .. ..	18	14	39	26	—	20
Leicester 5 .. ..	10	8	22	16	—	15
Lerwick 1 .. ..	7	7	1	1	—	1
Leyton 1 .. ..	18†	6	37	32	—	19
Liverpool 12 .. ..	7†	13†	34	34	—	24
Liverpool 13 .. ..	17†	14†	—	—	—	—
London, Beirmoondsey 3	—	—	46	38	—	—

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TABLE 10 (contd.)

Site of instrument	Average smoke concentration, milligrammes per 100 cubic metres							
	Summer		Winter		Year		Week-day	Week-end
	Week-day	Week-end	Week-day	Week-end	Week-day	Week-end		
London, Bethnal Green 2	12	9	32	23	20	16		
London, Camberwell 3	23	19	28	22	40	33		
London, Chelsea 2	12	11	33	46	23	20		
London, Chelsea 3	7	4	26	19	17	12		
London, City 1	7	4	35	26	21	16		
London, City 9	21	14	42	31	32	23		
London, City 10	6	4	23	18	15	11		
London, City 11	7	5	21	19	14	12		
London, City 12	16	17	64	57	40	37		
London, Deptford 1	19	14	58	43	39	33		
London, Deptford 2	8	6	26	22	17	14		
London, Finchbury 1	14	6	52	51	40	33		
London, Greenwich 3	14	13	39	36	27	25		
London, Greenwich 4	24	18	56	43	40	31		
London, Greenwich 5	15	14	63	53	34	34		
London, Hackney 4	28	14	83	56	56	38		
London, Hackney 5	18	14	75	54	47	34		
London, Hackney 6	8	6	35	32	22	19		
London, Hammersmith 4	13	10	44	32	29	21		
London, Hammersmith 5	10	8	39	31	25	20		
London, Hammersmith 6	15	14	57	43	36	29		
London, Hampstead 3			65	50				
London, Hampstead 4			51	44				
London, Holborn 2			51	44				
London, Holborn 3			42	29				
London, Kensington 1	8	6	36	29	28	22		
London, Kensington 4	20	15	42	38	32	28		
London, Kensington 5	17	14	47	41	32	28		
London, Kensington 6	10	8	41	31	26	20		
London, Lambeth 2	18	18	62	58	40	38		
London, Lambeth 6	11	10	36	27	24	19		
London, Lambeth 7			43	39				
London, Lambeth 8			29*	37*				
London, Lambeth 9			83	62				
London, Lambeth 10			86	64				
London, Lambeth 11			80	60				
London, Paddington 2	27	20	86	64	51	39		
London, St. Marylebone 6	16	14	86	64	51	39		
London, St. Marylebone 7	19	15	80	60	50	37		
London, St. Pancras 4	10	8	27	31	30	23		
London, St. Pancras 5	10	8	27	31	30	23		
London, Shore ditch 1	12	8	22	18	17	13		
London, Southwark 3	25	20	88	67	57	44		
London, Stepney 3			51	39				
London, Stepney 4			52	45				
London, Stoke Newington 3	9	8	45	45	27	23		
London, Wandsworth 1			26	19				
London, Wandsworth 2			24	18				
London, Wandsworth 3			22	17				
London, Wandsworth 4			20	15				
London, Wandsworth 5			40	35				
London, Westminister 6	7	6	36	23	14	12		
London, Westminister 7	17	12	36	23	27	18		
London, Westminister 8	16	12	47	27	32	20		
London, Westminister 9	10	8	23	18	17	13		
London, Westminister 10	14	7	27	23	18	15		
London, Westminister 11	14	14	38	28	26	21		
London, Woolwich 1	12	11	41	34	27	23		
London, Woolwich 7			26	25				
London, Woolwich 8			21	23				
London, Woolwich 9			34	32				
London, Woolwich 10			15	12				
Longpenon 1	6	5	13	13	11	9		
Luton 1	4	3	13	12	9	8		
Lytham St. Annes 1								

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TABLE 10 (contd.)

Site of instrument	Average smoke concentration, milligrammes per 100 cubic metres							
	Summer		Winter		Year		Week-day	Week-end
	Week-day	Week-end	Week-day	Week-end	Week-day	Week-end		
Malthby 1	9	8	16	15	13	12		
Manchester 9	15	12	38	35	27	24		
Morley 2	19†	14†	19†	22	24	16		
Morley 3	16†	9†	31	18	13	10		
Mytholmroyd 1	8	5	18	15	11	9		
Newcastle upon Tyne 10	6	4	17	15	11	9		
Nottingham 1	5	3	10	13	14	10		
Ohley 2	9	6	19	15	11	10		
Pembroke Dock 1	1	1	2	2	2	2		
Pontrict 1	14	10	27	23	21	17		
Preston 4	18	12	32	20	25	16		
Rawmarsh 2	25	20	60	45	43	33		
Ripon 1	10	7	19	13	15	10		
Rothwell 2	11	9	29	19	20	14		
Saddleworth 1	11	8	15	11	13	10		
St. Helens 7	36	31	85	83	61	57		
Sale 4	12	9	36	30	24	20		
Salford 2	40	31	68	61	54	46		
Sheffield 2	17	15	43	39	30	27		
Sheffield 8	24	23	42	43	33	33		
Sheffield 32	26	22	49	41	38	32		
Sheffield 36	14	13	61	51	38	32		
Sheffield 37	17	14	60	53	39	37		
Sheffield 39	22	19	59	51	41	35		
Sheffield 40	17	15	57	54	37	36		
Sheffield 41	16	15	56	50	38	35		
Sheffield 42	18	16	57	52	34	35		
Skipton 1	22	18	22	24	24	20		
Slainthwaite 2	15	15	16	16	16	10		
Southampton 22	5	3	27	13	16	8		
Southampton 23	5	4	20	15	13	10		
Southampton 24	6	4	23	16	15	10		
Southampton 25	3	3	14	12	9	8		
Southampton 26	3	2	16	13	10	8		
Stonnoyway 1	1	1	46	35	1	1		
Stourbridge 1	1	1	1	1	1	1		
Swaffham 1	13†	9†	4	3	3	3		
Teddington 1	2†	2†	14	14	9	9		
Thorne 1	4	4	17	16	11	11		
Thornham 3	5	6	18	18	14	11		
Wadebridge 1	1	1	1	1	1	1		
Walsend 2	21	20	54	41	38	31		
Walsall 11	13	8	38	30	26	18		
Warrington 8	13	8	28	28	22	18		
Westfield 1	10	7	27	16	19	12		
Wetherby 1	8	7	18	14	13	11		
Wolverhampton 3	47	30	8	41	63	46		
Wollenhall 1	3	2	8	6	6	6		
Wolverhampton 3	3	3	34	27	24	20		
Wombwell 1	14	13	34	27	20	16		
Woodford 1	5	4	14	14	11	11		
Yeaton 1	9	9	15	13	11	9		
Yewley and West Drayton 1	6	5	15	13	11	9		

\* 1 month only  
† 2 months only  
‡ 3 months only

§ 4 months only  
|| 5 months only

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TABLE 11. *Suspended Matter (Smoke)—Hourly Averages, 1955-6*

Times are given as local time, which may be either Greenwich Mean Time or British Summer Time, which latter was in force from 17th April to 2nd October. See note on page 18 on the significance of smoke concentrations.

Site of instrument	Number of months S W	Days of the week	Average smoke concentration, milligrammes per 100 cubic metres, for the hour ending :																									
			1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
			a.m.	a.m.	a.m.	a.m.	a.m.	a.m.	a.m.	a.m.	a.m.	a.m.	a.m.	a.m.	noon	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	mdt.	
Glasgow 1 .. ..	6	weekdays	18	17	19	21	26	35	48	62	66	52	46	42	38	31	31	30	38	44	43	45	43	39	29	26		
	6		Saturdays	15	13	8	11	17	23	30	42	49	42	44	38	39	33	31	29	34	42	41	44	41	31	27	17	
	6		Sundays	9	6	3	2	6	7	7	12	16	17	17	19	22	25	25	24	23	31	31	34	35	31	23	18	
	Glasgow 5 .. ..	6	weekdays	39	33	31	31	40	54	78	106	114	106	103	98	96	90	92	94	103	111	105	102	94	81	68	49	
		6		Saturdays	40	35	33	30	34	47	71	94	107	106	113	108	112	103	95	92	105	117	123	120	116	107	91	69
		6		Sundays	41	33	28	22	20	21	30	40	47	60	72	79	84	87	95	92	105	110	109	101	101	89	76	65
Glasgow 10 .. ..		6	weekdays	6	5	5	6	7	7	9	14	15	15	13	9	7	6	6	5	5	5	5	7	8	10	8	7	
		6		Saturdays	7	7	7	6	7	7	6	7	9	8	5	3	4	3	3	2	2	2	1	2	4	5	4	5
		6		Sundays	1	1	1	2	1	1	2	3	4	2	4	5	8	10	6	4	3	2	4	5	7	7	12	7
	Kew 1 .. ..	6	weekdays	23	19	19	18	19	21	26	36	48	49	48	46	44	43	40	38	45	50	51	52	50	46	42	37	
		6		Saturdays	33	30	30	30	25	25	28	32	34	34	33	34	38	33	28	24	23	34	44	48	42	41	39	39
		6		Sundays	27	20	19	18	16	15	17	17	20	24	31	34	35	39	38	37	37	36	36	40	37	35	32	29
Liverpool 12 .. ..		6	weekdays	15	15	14	14	15	18	21	25	29	26	25	22	18	17	17	16	17	17	18	21	25	26	23	20	
		6		Saturdays	11	10	8	7	9	10	10	12	12	12	10	10	10	11	10	9	10	10	12	12	16	14	12	10
		6		Sundays	7	4	4	3	3	5	5	5	8	11	11	15	12	15	13	11	10	12	14	18	17	17	21	15
	Liverpool 13 .. ..	6	weekdays	28	22	21	20	21	21	28	44	59	66	66	63	55	51	55	55	55	65	70	71	68	64	52	42	
		6		Saturdays	42	34	25	23	17	24	27	37	43	58	58	55	52	51	45	43	51	59	63	76	74	74	56	48
		6		Sundays	35	28	24	19	17	12	16	20	31	46	57	61	59	60	55	57	60	65	71	81	76	63	58	42
London, Westminster 7		6	weekdays	10	10	10	10	10	10	11	11	11	10	9	8	8	8	7	7	7	8	9	10	11	12	11	11	
		6		Saturdays	10	10	10	11	12	12	12	12	11	9	9	9	8	8	8	7	7	7	8	9	10	9	10	9
		6		Sundays	8	8	9	9	8	8	9	9	10	10	9	9	9	8	8	7	7	8	8	8	9	10	10	10
	Teddington 2 .. ..	6	weekdays	17	14	13	15	14	14	16	18	20	20	19	19	17	17	16	21	21	24	29	31	30	28	24	22	
		6		Saturdays	13	13	11	10	10	11	11	15	17	20	19	18	18	17	17	20	22	24	24	24	24	23	20	19
		6		Sundays	16	14	13	11	11	12	12	12	16	19	19	17	16	16	20	22	22	25	27	27	26	23	22	19
Teddington 2 .. ..		6	weekdays	10	11	12	11	14	18	27	27	20	20	18	16	14	12	14	14	15	19	23	30	27	23	19	12	
		6		Saturdays	14	8	10	7	10	13	19	15	18	19	19	19	13	8	8	10	13	14	17	18	21	17	7	6
		6		Sundays	7	8	8	5	9	16	13	17	18	19	22	9	9	7	6	6	9	11	16	24	21	11	7	3
	Teddington 2 .. ..	6	weekdays	17	16	15	14	13	19	29	36	42	45	44	40	38	38	39	42	49	49	53	49	45	37	30	20	
		6		Saturdays	18	18	17	19	12	20	31	43	40	35	40	44	42	48	43	50	51	50	57	55	47	43	37	21
		6		Sundays	22	17	12	5	7	9	17	30	39	47	49	44	39	39	34	41	44	39	45	40	36	23	23	25
Teddington 2 .. ..		5	weekdays	9	5	6	7	5	14	20	23	22	21	18	19	17	14	17	16	22	22	23	30	24	21	12	9	
		5		Saturdays	12	8	7	8	4	4	16	13	15	21	21	17	20	16	19	12	17	16	20	20	24	11	17	7
		5		Sundays	9	8	8	5	5	5	7	21	16	21	11	9	15	17	21	21	13	15	17	15	23	17	12	8
	Teddington 2 .. ..	6	weekdays	17	17	17	17	17	17	19	18	17	16	16	16	16	16	16	16	16	16	17	17	17	16	16	17	
		6		Saturdays	16	16	16	16	17	16	17	17	17	16	16	16	16	16	16	16	16	16	17	16	16	16	16	
		6		Sundays	17	16	17	16	17	17	16	17	18	17	16	16	16	16	16	16	16	17	17	17	16	16	16	16
Teddington 2 .. ..		6	weekdays	22	21	21	19	19	18	20	24	28	28	26	33	25	24	24	26	29	34	36	39	34	28	26	23	
		6		Saturdays	16	17	17	16	17	16	18	21	21	21	23	22	23	19	20	21	24	24	26	27	25	22	25	20
		6		Sundays	17	17	16	17	16	17	17	16	26	30	29	29	31	28	26	24	26	28	29	31	29	24	24	20
	Teddington 2 .. ..	6	weekdays	4	4	4	4	4	4	5	6	6	6	5	5	4	4	4	3	3	4	4	5	5	5	5	4	
		6		Saturdays	4	4	4	4	3	4	4	4	5	4	4	3	3	3	2	2	3	3	3	3	3	3	4	3
		6		Sundays	3	2	2	2	2	2	3	3	3	3	3	3	3	2	3	2	3	3	4	3	4	3	3	3
Teddington 2 .. ..		5	weekdays	13	11	9	9	9	9	10	11	14	14	13	9	12	12	12	14	17	20	22	22	22	20	18	16	
		5		Saturdays	8	7	6	5	5	6	7	10	11	12	11	10	8	8	7	7	7	8	8	9	8	8	7	6
		5		Sundays	4	4	3	3	3	3	3	4	6	6	6	7	7	7	7	9	11	12	12	12	11	10	10	8

TABLE 12. Sulphur Dioxide (Volumetric Method)—Monthly and Seasonal Averages, 1955-6

The results in this table are derived from measurements of the mean daily concentrations of sulphur dioxide.  
T indicates trace, i.e., less than 0.5 parts per 100 million by volume.

One part of sulphur dioxide per 100 million by volume equals 2.86 milligrammes per 100 cubic metres.

Site of instrument	Result reported	Sulphur dioxide concentration, parts per 100 million, by volume														Summer	Winter	Year
		Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.					
Barnes 1 .. ..	average	—	—	—	—	—	—	—	—	—	—	—	—	—	11	—	11	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	—	—	31	—	—	—
Belfast 11 .. ..	average	—	—	—	—	—	—	3	6	10	9	10	11	7	3	9	—	
	highest daily mean	—	—	—	—	—	—	5	12	17	27	20	21	11	3	9	—	
Bilston 3 .. ..	average	5	4	6	4	4	4	4	6	8	6	7	—	6	5	7	6	
	highest daily mean	8	6	10	7	7	7	12	28	20	52	—	12	6	5	7	6	
Bolton 9 .. ..	average	9	7	4	5	5	7	11	17	14	16	16	9	6	14	10	—	
	highest daily mean	25	12	7	10	9	12	26	54	33	85	44	17	6	14	10	—	
Bradford 6 .. ..	average	10	7	6	6	6	8	11	19	18	17	15	13	7	16	12	—	
	highest daily mean	20	11	9	10	13	20	26	44	40	43	40	22	7	16	12	—	
Brentford 1 .. ..	average	5	3	4	4	4	3	6	9	6	8	9	10	4	8	6	—	
	highest daily mean	12	8	12	8	12	8	13	26	19	41	23	24	4	8	6	—	
Brierley Hill 9 .. ..	average	4	3	2	4	3	2	3	8	6	7	10	5	3	7	5	—	
	highest daily mean	12	5	4	6	7	7	7	21	19	28	26	11	3	7	5	—	
Bristol 8 .. ..	average	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—	—	
	highest daily mean	—	—	—	—	—	—	—	—	23	—	—	—	—	—	—	—	
Burnley 4 .. ..	average	8	5	3	3	3	5	8	13	10	13	15	8	5	11	8	—	
	highest daily mean	17	7	6	6	6	8	18	42	32	56	31	14	5	11	8	—	
Cannock 1 .. ..	average	T	1	T	1	1	1	2	3	2	3	—	2	1	2	2	—	
	highest daily mean	1	1	1	1	1	2	6	11	8	12	—	6	1	2	2	—	
Cardiff 2 .. ..	average	4	3	2	3	3	3	4	6	5	5	7	4	3	5	4	—	
	highest daily mean	10	8	4	4	5	5	11	15	12	11	12	8	3	5	4	—	
Carshalton 4 .. ..	average	3	1	2	1	2	1	3	6	4	6	10	4	2	6	4	—	
	highest daily mean	11	3	7	4	4	7	8	13	10	29	20	9	2	6	4	—	
Chiswick 1 .. ..	average	6	5	6	5	5	4	7	9	11	13	10	10	5	10	8	—	
	highest daily mean	17	14	24	11	14	8	17	21	30	65	28	24	5	10	8	—	
Chiswick 2 .. ..	average	—	—	—	—	—	—	—	—	—	3	10	10	—	8	—	—	
	highest daily mean	—	—	—	—	—	—	—	—	—	13	27	25	—	8	—	—	
Dagenham 2 .. ..	average	—	—	—	—	—	—	3	7	6	8	12	7	3	8	—	—	
	highest daily mean	—	—	—	—	—	—	8	18	16	25	31	19	3	8	—	—	
Doncaster 16 .. ..	average	8	6	4	5	4	7	11	16	15	17	18	10	6	15	11	—	
	highest daily mean	15	11	7	9	11	15	28	36	38	30	36	16	6	15	11	—	
East Kilbride 1 .. ..	average	1	1	T	T	1	T	1	1	2	2	2	1	1	1	1	—	
	highest daily mean	3	2	1	1	2	1	2	3	5	4	6	2	1	1	1	—	
Erith 1 .. ..	average	3	2	1	1	1	2	2	2	2	5	7	3	2	4	3	—	
	highest daily mean	5	7	4	4	3	5	9	11	7	13	20	7	2	4	3	—	
Exeter 1 .. ..	average	—	—	—	—	—	—	—	—	3	6	5	7	—	5	—	—	
	highest daily mean	—	—	—	—	—	—	—	—	8	18	14	17	—	5	—	—	
Glasgow 1 .. ..	average	8	5	4	5	4	6	10	15	13	14	15	9	5	13	9	—	
	highest daily mean	18	10	7	11	8	10	22	41	39	43	25	18	5	13	9	—	
Hayes 1.. ..	average	—	—	—	—	—	—	—	—	—	—	—	9	—	9	—	—	
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	27	—	9	—	—	
Hayes 2.. ..	average	—	—	—	—	—	—	—	—	—	—	—	6	—	6	—	—	
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	17	—	6	—	—	
Helmshore I .. ..	average	—	—	—	—	—	—	—	—	—	5	8	4	—	6	—	—	
	highest daily mean	—	—	—	—	—	—	—	—	—	18	31	12	—	6	—	—	
Hornchurch 1 .. ..	average	5	5	3	2	3	4	7	8	11	11	7	6	4	8	6	—	
	highest daily mean	14	21	6	7	9	15	19	34	32	31	21	18	4	8	6	—	
Kingston upon Hull 2	average	5	4	3	3	2	2	4	6	7	7	8	4	3	6	5	—	
	highest daily mean	11	7	5	6	3	6	10	14	20	32	18	9	3	6	5	—	
Lancaster 4 .. ..	average	3	1	2	3	3	3	6	10	7	8	6	2	3	7	5	—	
	highest daily mean	11	3	5	7	9	5	15	20	14	17	12	6	3	7	5	—	
Leeds 4 .. ..	average	2	8	11	11	11	15	21	20	25	25	21	9	21	15	—	—	
	highest daily mean	5	13	21	21	27	39	50	55	84	57	40	9	21	15	—	—	
Leeds 8 .. ..	average	8	4	3	2	2	6	8	13	14	17	14	10	4	13	9	—	
	highest daily mean	17	15	6	4	9	14	41	30	37	70	63	22	4	13	9	—	
Leicester 5 .. ..	average	5	5	3	3	2	3	6	9	6	9	9	4	4	7	6	—	
	highest daily mean	13	12	7	6	4	6	16	35	23	41	19	8	4	7	6	—	
Leyton 1 .. ..	average	6	4	3	2	3	4	9	12	11	14	11	8	4	11	8	—	
	highest daily mean	18	8	5	4	6	7	19	29	28	47	32	12	4	11	8	—	
London, Bermondsey 3	average	—	—	—	—	—	—	—	14	16	17	20	18	—	17	—	—	
	highest daily mean	—	—	—	—	—	—	—	26	36	44	77	49	—	17	—	—	
London, Bethnal Green 2	average	—	—	—	—	—	—	—	11	14	14	17	14	—	14	—	—	
	highest daily mean	—	—	—	—	—	—	—	27	28	37	56	42	—	14	—	—	
London, Camberwell 3	average	6	4	5	4	3	5	9	11	9	13	13	8	5	11	8	—	
	highest daily mean	16	8	14	8	7	14	30	35	25	57	34	15	7	11	8	—	
London, Chelsea 2 .. ..	average	11	7	—	5	—	6	14	17	15	19	16	13	7	16	12	—	
	highest daily mean	21	10	—	7	—	10	27	72	31	72	40	27	7	16	12	—	
London, Chelsea 3 .. ..	average	—	6	6	4	4	5	9	14	12	13	14	13	5	13	9	—	
	highest daily mean	—	11	12	10	13	11	24	37	28	65	37	25	5	13	9	—	
London, City 1 .. ..	average	8	5	6	4	5	6	12	14	15	18	14	13	6	14	10	—	
	highest daily mean	18	10	13	9	10	16	28	40	35	80	50	45	6	14	10	—	

TABLE 12 (contd.)

Site of instrument	Result reported	Sulphur dioxide concentration, parts per 100 million, by volume														
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Summer	Winter	Year
London, City 9 ..	average	10	10	7	5	6	9	12	15	19	24	17	16	8	17	13
	highest daily mean	26	19	13	13	13	35	25	32	37	49	49	36			
London, City 10 ..	average	13	11	9	6	9	13	18	17	21	23	17	17	10	19	15
	highest daily mean	21	19	15	14	18	23	32	37	43	70	58	35			
London, City 11 ..	average	12	7	6	5	6	7	13	17	17	20	20	17	7	17	12
	highest daily mean	23	11	15	11	15	16	31	45	36	85	55	32			
London, City 12 ..	average	12	9	8	6	7	9	16	18	21	25	19	17	9	19	14
	highest daily mean	20	17	17	13	17	19	30	44	45	64	50	35			
London, Deptford 1 ..	average	7	6	6	5	5	4	9	11	9	13	14	10	6	11	9
	highest daily mean	17	17	11	8	11	6	22	33	25	56	49	18			
London, Deptford 2 ..	average	—	—	—	—	—	—	10	12	11	15	16	10	—	12	—
	highest daily mean	—	—	—	—	—	—	24	37	26	64	49	17			
London, Finsbury 1 ..	average	—	6	6	5	5	7	13	16	18	21	16	14	6	16	11
	highest daily mean	—	10	12	10	13	13	30	42	45	77	36	35			
74 London, Greenwich 3 ..	average	7	7	7	5	6	7	13	12	13	15	13	7	7	12	10
	highest daily mean	14	11	14	9	14	16	31	30	29	64	42	16			
London, Greenwich 4 ..	average	—	—	3	4	—	4	8	10	9	12	14	7	4	10	7
	highest daily mean	—	—	8	7	—	8	20	24	28	35	39	11			
London, Greenwich 5 ..	average	—	—	5	7	5	3	7	11	11	14	17	8	5	11	8
	highest daily mean	—	—	11	13	11	6	17	26	30	53	39	13			
London, Hackney 4 ..	average	6	4	3	3	3	4	10	12	11	15	—	9	4	11	8
	highest daily mean	12	6	6	6	5	6	23	45	33	55	—	20			
London, Hackney 5 ..	average	8	5	4	3	4	6	11	12	11	15	13	10	5	12	9
	highest daily mean	20	9	9	8	7	11	31	34	28	68	42	20			
London, Hackney 6 ..	average	—	—	2	2	3	4	9	12	9	13	10	9	3	10	7
	highest daily mean	—	—	4	4	5	9	21	35	22	54	22	23			
London, Hammersmith 4	average	—	5	6	7	6	3	6	11	9	—	10	13	5	10	8
	highest daily mean	—	12	19	47	36	13	22	28	42	—	21	27			
London, Hammersmith 5	average	—	—	—	12	12	7	8	11	13	15	10	14	10	12	11
	highest daily mean	—	—	—	47	87	28	22	30	34	48	26	29			
London, Hampstead 3	average	6	4	3	3	3	5	8	11	11	14	9	12	4	11	8
	highest daily mean	14	8	7	8	8	11	24	36	34	60	20	35			
London, Hampstead 4	average	5	—	3	—	—	4	7	9	11	15	10	11	4	11	8
	highest daily mean	14	—	8	—	—	9	16	32	38	46	18	29			
London, Kensington 1	average	8	5	6	5	7	6	11	14	13	17	14	15	6	14	10
	highest daily mean	18	9	14	10	18	12	27	38	33	73	36	29			
London, Kensington 4	average	—	—	9	7	7	5	10	15	17	19	15	16	7	15	11
	highest daily mean	—	—	23	18	18	13	22	47	46	79	36	31			
London, Lambeth 2 ..	average	12	9	8	4	6	8	16	20	16	20	14	15	8	17	13
	highest daily mean	20	14	15	13	17	18	30	59	33	74	46	32			
London, Lambeth 6 ..	average	8	5	6	4	5	5	9	14	13	16	13	13	6	13	10
	highest daily mean	15	8	13	9	11	10	28	55	30	63	45	30			
London, Lambeth 7 ..	average	7	4	5	4	5	5	11	13	11	15	14	10	5	12	9
	highest daily mean	19	8	9	7	13	9	30	41	30	61	44	23			
London, Lambeth 8 ..	average	8	6	7	4	6	6	12	13	12	16	13	12	6	13	10
	highest daily mean	24	10	14	13	19	13	27	53	28	64	39	27			
London, Lambeth 9 ..	average	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	38	28	54	47	17	10	—
London, Lambeth 10 ..	average	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
London, Paddington 2	average	—	5	5	4	—	—	—	15	13	15	16	14	5	15	10
	highest daily mean	—	16	13	10	—	—	—	37	39	50	32	29			
London, St. Marylebone 6	average	8	5	5	5	5	6	11	14	16	20	15	16	6	15	11
	highest daily mean	23	9	10	9	14	14	24	40	40	69	34	37			
75 London, St. Marylebone 7	average	—	—	—	—	3	4	10	13	14	17	12	13	4	13	9
	highest daily mean	—	—	—	—	8	12	26	39	40	62	34	32			
London, St. Pancras 4	average	—	5	5	5	5	6	12	16	18	19	16	15	5	16	11
	highest daily mean	—	9	12	10	11	14	25	39	46	61	31	35			
London, St. Pancras 5	average	—	2	2	1	1	2	2	4	6	6	4	5	2	5	4
	highest daily mean	—	3	3	2	4	6	7	13	25	21	7	12			
London, Shoreditch 1 ..	average	8	7	6	5	6	6	11	14	15	17	14	11	6	14	10
	highest daily mean	18	20	10	10	12	19	28	34	38	78	37	29			
London, Southwark 3 ..	average	7	4	5	4	6	6	12	18	17	22	18	19	5	18	12
	highest daily mean	19	8	15	12	18	14	36	46	46	98	53	39			
London, Stepney 3 ..	average	—	—	—	—	—	—	—	—	—	12	14	15	—	14	—
	highest daily mean	—	—	—	—	—	—	—	—	—	22	33	64	33	—	—
London, Stepney 4 ..	average	—	—	—	—	—	—	—	—	—	—	13	12	—	13	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	26	20			
London, Wandsworth 1	average	—	—	—	—	—	—	8	13	9	13	14	10	—	11	—
	highest daily mean	—	—	—	—	—	—	21	25	25	80	37	16			
London, Wandsworth 2	average	—	—	—	—	—	—	5	9	7	9	10	8	—	8	—
	highest daily mean	—	—	—	—	—	—	16	27	20	61	29	18			
London, Westminster 6	average	9	7	6	5	4	4	11	15	16	17	18	16	5	16	11
	highest daily mean	22	14	14	10	5	9	24	36	34	75	26	25			
London, Westminster 7	average	13	10	9	5	7	8	17	15	20	19	16	15	9	17	13
	highest daily mean	22	17	44	10	18	13	59	30	42	58	30	35			

TABLE 12 (contd.)

Site of instrument	Result reported	Sulphur dioxide concentration, parts per 100 million, by volume														
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Summer	Winter	Year
London, Westminster 8	average	12	11	8	5	—	7	14	—	18	20	—	—	9	17	13
	highest daily mean	27	28	20	9	—	12	51	—	37	59	—	—	—	—	—
London, Westminster 9	average	—	8	8	5	—	7	13	—	21	20	—	—	7	18	13
	highest daily mean	—	27	22	9	—	14	31	—	44	65	—	—	—	—	—
London, Westminster 10	average	13	8	8	7	7	9	17	19	19	22	20	17	9	19	14
	highest daily mean	21	12	16	13	15	15	34	36	40	96	37	31	—	—	—
London, Westminster 11	average	10	7	8	5	7	7	13	16	18	17	15	13	7	15	11
	highest daily mean	19	11	14	10	16	12	26	31	34	58	28	30	—	—	—
London, Woolwich 1 ..	average	11	12	7	3	3	6	8	9	16	19	10	11	7	12	10
	highest daily mean	34	22	16	11	16	20	25	36	41	44	40	35	—	—	—
London, Woolwich 7 ..	average	5	3	3	3	3	—	9	9	7	10	10	5	3	8	6
	highest daily mean	14	5	5	5	6	—	24	34	21	38	48	10	—	—	—
London, Woolwich 8 ..	average	—	—	—	—	—	—	—	11	8	9	10	6	—	9	—
	highest daily mean	—	—	—	—	—	—	—	28	21	39	52	12	—	—	—
London, Woolwich 9 ..	average	—	—	—	—	—	—	—	11	8	10	12	6	—	9	—
	highest daily mean	—	—	—	—	—	—	—	26	21	31	46	13	—	—	—
London, Woolwich 10	average	—	—	—	—	—	—	—	14	11	14	16	9	—	13	—
	highest daily mean	—	—	—	—	—	—	—	29	29	45	43	16	—	—	—
Longbenton 1 .. ..	average	4	2	2	1	1	2	3	4	3	4	2	2	2	3	3
	highest daily mean	11	5	4	4	2	7	9	23	10	13	8	4	—	—	—
Luton 1 .. ..	average	2	1	2	1	1	1	3	6	5	7	5	3	1	5	3
	highest daily mean	6	3	5	3	2	2	14	14	14	24	9	7	—	—	—
Manchester 9 .. ..	average	10	7	5	6	4	7	12	23	14	18	21	10	7	16	12
	highest daily mean	22	14	8	9	8	14	24	130	46	97	37	14	—	—	—
Mytholmroyd 1 ..	average	3	2	2	2	2	2	3	6	6	6	6	5	2	5	4
	highest daily mean	8	4	4	5	6	5	9	18	24	19	17	14	—	—	—
Newcastle upon Tyne 10	average	6	5	4	3	4	6	—	—	—	—	—	—	5	—	—
	highest daily mean	16	15	9	8	9	12	—	—	—	—	—	—	—	—	—
Nottingham 1 .. ..	average	2	2	2	2	2	3	6	6	5	8	5	3	2	6	4
	highest daily mean	3	8	11	3	4	5	21	18	15	33	25	5	—	—	—
Preston 4 .. ..	average	9	7	5	4	3	4	9	17	11	12	13	8	5	12	9
	highest daily mean	19	15	13	7	10	9	21	79	30	37	32	18	—	—	—
Sale 4 .. ..	average	7	3	2	3	3	4	7	17	11	12	15	7	4	12	8
	highest daily mean	18	9	6	6	7	6	21	93	38	59	26	12	—	—	—
Salford 2 .. ..	average	23	17	16	17	9	9	14	28	17	23	18	11	15	19	17
	highest daily mean	63	26	40	45	22	14	28	135	43	110	34	18	—	—	—
Sheffield 2 .. ..	average	9	7	7	10	11	11	15	20	18	23	23	17	9	19	14
	highest daily mean	18	11	10	15	16	19	36	42	39	78	38	30	—	—	—
Sheffield 8 .. ..	average	13	11	8	9	10	11	14	20	20	21	20	13	10	18	14
	highest daily mean	24	23	16	13	19	20	26	41	34	39	27	21	—	—	—
Sheffield 32 .. ..	average	7	8	10	7	6	6	10	14	14	13	15	9	7	13	10
	highest daily mean	18	15	28	11	11	12	32	50	35	77	27	14	—	—	—
Sheffield 36 .. ..	average	—	4	4	4	4	7	12	11	12	15	9	4	11	8	—
	highest daily mean	—	9	12	7	12	8	29	38	33	85	32	16	—	—	—
Sheffield 37 .. ..	average	—	5	5	4	5	4	9	14	14	14	14	10	5	13	9
	highest daily mean	—	10	9	7	14	8	27	35	43	84	25	18	—	—	—
Sheffield 38 .. ..	average	—	11	9	8	8	10	13	18	19	18	14	9	17	13	—
	highest daily mean	—	21	15	13	14	16	35	48	39	77	31	20	—	—	—
Sheffield 39 .. ..	average	—	6	5	5	5	6	8	10	9	11	9	7	5	9	7
	highest daily mean	—	13	8	11	12	10	20	23	21	55	15	13	—	—	—
Sheffield 40 .. ..	average	—	5	4	6	5	6	9	14	14	14	12	9	5	12	9
	highest daily mean	—	7	7	10	12	13	30	47	35	72	28	13	—	—	—
Sheffield 41 .. ..	average	—	6	5	4	4	7	11	16	17	18	15	12	5	15	10
	highest daily mean	—	10	8	9	11	14	25	30	39	61	25	21	—	—	—
Southampton 22 ..	average	3	—	—	2	2	2	4	6	4	5	4	—	2	5	4
	highest daily mean	6	—	—	4	3	6	20	13	12	28	21	—	—	—	—
Southampton 23 ..	average	3	2	2	2	2	2	4	4	4	6	5	5	2	5	4
	highest daily mean	7	4	3	4	4	5	7	8	8	19	12	32	—	—	—
Southampton 24 ..	average	3	2	2	2	2	1	3	5	6	7	6	5	2	5	4
	highest daily mean	7	7	5	4	6	5	6	11	12	21	13	12	—	—	—
Southampton 25 ..	average	2	1	1	1	2	2	2	—	4	3	4	4	2	3	3
	highest daily mean	4	3	2	3	4	11	5	—	7	10	14	19	—	—	—
Southampton 26 ..	average	—	2	1	1	1	1	3	4	4	7	11	7	1	6	4
	highest daily mean	—	3	2	2	2	5	5	10	9	18	24	18	—	—	—
Stocksbridge 9 ..	average	—	—	—	—	—	—	—	—	9	10	10	8	6	9	8
	highest daily mean	—	—	—	—	—	—	—	—	16	17	24	28	—	—	—
Teddington 1 .. ..	average	17	6	5	4	4	1	5	14	10	10	24	—	6	13	10
	highest daily mean	48	30	16	9	23	5	13	37	28	69	45	—	—	—	—
Tottenham 3 .. ..	average	—	—	—	—	—	—	—	—	—	13	—	9	—	11	—
	highest daily mean	—	—	—	—	—	—	—	—	—	38	—	18	—	—	—
Wallsend 2 .. ..	average	8	6	5	3	3	5	8	12	13	12	10	10	5	11	8
	highest daily mean	18	10	9	7	7	14	19	24	46	22	26	17	—	—	—
Walsall 11 .. ..	average	9	5	3	5	4	6	10	13	12	14	14	9	5	12	9
	highest daily mean	15	10	5	9	8	11	18	34	32	44	37	15	—	—	—
Warrington 8 .. ..	average	10	7	5	5	5	7	11	19	13	15	16	9	7	14	11
	highest daily mean	22	13	10	9	8	10	21	69	39	45	23	18	—	—	—

TABLE 12 (contd.)

Site of instrument	Result reported	Sulphur dioxide concentration, parts per 100 million, by volume												Summer	Winter	Year
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.			
Wednesfield 1 .. ..	average	2	4	3	3	3	3	7	4	5	6	—	—	3	6	5
	highest daily mean	7	8	5	6	6	6	37	20	15	16	—	—	3	8	6
Willenhall 1 .. ..	average	4	4	3	3	2	3	5	8	7	9	9	8	3	8	6
	highest daily mean	12	5	3	3	4	4	11	13	12	20	17	15	3	8	6
Wolverhampton 3 .. ..	average	4	2	2	3	3	2	4	9	7	8	10	7	3	8	6
	highest daily mean	8	5	6	5	9	5	9	20	17	46	21	17	2	8	5
Woodford 1 .. ..	average	—	3	3	2	2	3	7	17	10	13	8	6	3	8	4
	highest daily mean	—	4	3	2	3	7	18	17	34	40	27	15	3	4	4
Yeadon 1 .. ..	average	4	3	2	2	2	4	5	10	8	6	8	12	—	—	—
	highest daily mean	8	6	4	6	4	5	8	10	8	6	8	12	—	—	—

TABLE 13. Sulphur Dioxide (Volumetric Method)—Week-day and Week-end Averages, 1955-6

T indicates trace, i.e., less than 0.5 parts per 100 million by volume. One part of sulphur dioxide per 100 million by volume equals 2.86 mg/100 cu. m.

Site of Instrument	Summer		Winter		Year	
	Week-day	Week-end	Week-day	Week-end	Week-day	Week-end
Barnes 1 .. ..	—	3*	12*	8*	—	—
Belfast 11 .. ..	4*	4	9	7	7	5
Bilston 3 .. ..	6	4	7	5	7	8
Bolton 9 .. ..	7	4	15	11	11	8
Bradford 6 .. ..	8	5	17	11	13	5
Brentford 1 .. ..	4	3	8	7	6	8
Brierley Hill 9 .. ..	3	3	7	5	5	4
Bristol 8 .. ..	—	—	5*	2*	—	—
Burnley 4 .. ..	5	3	13	9	9	6
Cannock 1 .. ..	1	1	3	2	2	2
Cardiff 2 .. ..	3	2	6	4	5	3
Carshalton 4 .. ..	2	1	6	5	4	3
Chiswick 1 .. ..	2	5	11	8	8	7
Chiswick 2 .. ..	—	—	8†	6†	—	—
Dagenham 2 .. ..	3*	4*	8	6	6	5
Doncaster 16 .. ..	6	5	16	12	11	9
East Kilbride 1 .. ..	1	2	1	1	1	1
Erith 1 .. ..	2	2	4	4	3	3
Exeter 1 .. ..	—	—	4	4	—	—
Glasgow 1 .. ..	5	4	68	13	9	9
Hayes 1 .. ..	—	—	13*	11*	—	—
Hayes 2 .. ..	—	—	6*	7*	—	—
Helmshore 1 .. ..	—	—	6†	4†	—	—
Hornchurch 1 .. ..	3	4	8	9	—	—
Kingsiton upon Hull 2 .. ..	—	—	6	5	6	4
Lancaster 4 .. ..	3	2	7	5	5	4
Leeds 4 .. ..	3	2	7	5	5	4
Leeds 8 .. ..	11	6	24	16	18	11
Leicester 5 .. ..	4	3	15	8	10	6
Leyton 1 .. ..	4	3	8	9	8	6
London, Berrymead 3 .. ..	—	—	12	13	—	—
London, Bethnal Green 2 .. ..	—	—	18	13	—	—
London, Camberwell 3 .. ..	5	4	15	11	8	7
London, Chelsea 2 .. ..	78	7†	17	10	12	10
London, Chelsea 3 .. ..	5	4	14	10	10	7
London, City 1 .. ..	5	4	14	10	10	7
London, City 9 .. ..	8	6	16	12	11	9
London, City 10 .. ..	6	9	18	14	11	10
London, City 11 .. ..	11	9	20	15	13	12
London, City 12 .. ..	8	7	19	13	14	9
London, Deptford 1 .. ..	9	5	21	16	14	12
London, Deptford 2 .. ..	6	5	12	9	15	7
London, Finchbury 1 .. ..	—	—	13	10	—	—
London, Greenwich 3 .. ..	6	5	17	14	12	10
London, Greenwich 4 .. ..	7	6	13	10	10	8
London, Greenwich 5 .. ..	4†	3†	10	9	7	6
London, Greenwich 6 .. ..	58	48	12	10	7	6
London, Hackney 4 .. ..	4	3	12	10	9	7
London, Hackney 5 .. ..	4	3	12	10	9	7
London, Hackney 6 .. ..	5	4	13	10	8	7
London, Hackney 7 .. ..	38	38	13	10	12	7
London, Hamlets Smith 4 .. ..	6	4	11	8	7	6
London, Hamlets Smith 5 .. ..	10†	6†	13	9	12	8
London, Hampstead 3 .. ..	4	4	12	9	8	7
London, Hampstead 4 .. ..	4	4	12	8	8	6
London, Kensington 1 .. ..	6	4	11	8	11	9
London, Kensington 4 .. ..	78	78	16	14	12	11
London, Lambeth 2 .. ..	8	7	16	14	13	11
London, Lambeth 6 .. ..	5	5	14	11	10	8

TABLE 13 (contd.)

Site of Instrument	Sulphur dioxide concentration, parts per 100 million by volume					
	Summer		Winter		Year	
	Week-day	Week-end	Week-day	Week-end	Week-day	Week-end
London, Lambeth 7	6	4	13	12	10	8
London, Lambeth 8	6	5	14	11	10	8
London, Lambeth 9	—	—	13	10	—	—
London, Lambeth 10	—	—	10*	11*	—	—
London, Paddington 2	5†	5†	15	14	10	10
London, St. Marylebone 6	6	5	16	13	11	9
London, St. Marylebone 7	4†	3†	14	11	9	7
London, St. Pancras 4	6	5	17	13	12	9
London, St. Pancras 5	2	2	5	4	4	3
London, Shoreditch 1	7	5	15	10	11	8
London, Southwark 3	6	5	18	15	12	10
London, Stepney 3	—	—	16§	12§	—	—
London, Stepney 4	—	—	13†	12†	—	—
London, Wandsworth 1	—	—	9	7	—	—
London, Wandsworth 2	—	—	16	14	11	9
London, Wandsworth 6	6	4	18	15	13	12
London, Westminster 7	8	9	20†	14†	15	13
London, Westminster 7	9	6	20†	12†	10	9
London, Westminster 8	7§	5§	20†	14†	10	10
London, Westminster 8	9	8	20	17	15	13
London, Westminster 10	8	7	16	14	12	11
London, Westminster 11	7	7	13	11	10	9
London, Woolwich 1	—	—	9	7	—	—
London, Woolwich 7	4	3	9	8	7	5
London, Woolwich 8	—	—	10	9	—	—
London, Woolwich 9	—	—	13	12	—	—
London, Woolwich 10	—	—	3	2	—	—
Longbeaton 1	2	1	5	4	3	2
Luton 1	7	5	17	15	12	10
Manchester 9	3	1	6	4	4	3
Mytholmroyd 1	5	4	13	11	10	8
Newcastle-upon-Tyne 10	2	2	6	5	4	4
Nottingham 1	6	4	12	11	10	8
Preston 4	4	2	20	16	18	14
Sale 4	16	12	20	16	16	14
Salford 2	—	—	19	19	16	14
Sheffield 2	12	9	20	16	16	14
Sheffield 8	8	6	14	10	10	8
Sheffield 32	4	3	14	10	9	7
Sheffield 36	5	4	13	10	9	7
Sheffield 37	10	7	18	12	10	7
Sheffield 38	6	4	10	8	9	7
Sheffield 39	5	4	13	9	9	7
Sheffield 40	11	11	15	13	10	8
Sheffield 41	2§	2§	5	4	4	3
Southampton 22	2	2	6	4	4	3
Southampton 23	2	2	9§	8§	—	—
Southampton 24	2	1	7	5	—	—
Southampton 25	1	1	9§	8§	—	—
Southampton 26	—	—	14	11	—	—
Stocksbridge 9	9	7	11†	10†	9	6
Teddington 1	—	—	11†	10†	—	—
Tottenham 3	5	4	12	10	9	6
Walsall 2	6	4	12	10	10	7
Walsall 11	7	5	13	11	11	8
Warrington 8	4	2	15	11	11	7
Wednesfield 1	4	3	7§	4§	6	3
Willenhall 1	3	2	9	6	6	4
Wolverhampton 3	2	2	8	7	6	4
Woodford 1	—	—	9	7	—	—
Yeaton 1	3	2	4	4	4	3

\* 1 month only. † 2 months only. ‡ 3 months only. § 4 months only. || 5 months only.

TABLE 14. Sulphur Dioxide—Monthly Measurements by the Lead Peroxide Method, 1955-6

Site of Instrument	Number of months		Sulphur dioxide, rate of absorption expressed as milligrammes SO <sub>2</sub> per 100 square centimetres lead peroxide per day		
	S	W	Summer	Winter	Year
Aberthaw 1	3	6	0.40	0.8	0.6
Aberthaw 2	6	6	0.5	0.8	0.7
Aberthaw 3	3	6	0.6	0.9	0.7
Aberthaw 4	3	6	0.6	1.0	0.8
Aberthaw 5	3	6	0.45	0.7	0.6
Aberthaw 6	3	6	0.4	0.7	0.6
Aberthaw 7	3	5	0.3	0.8	0.6
Action 1	6	6	2.1	3.6	2.9
Action 2	6	5	2.6	4.8	3.7
Action 3	6	6	2.0	4.0	3.0
Action 4	6	6	2.0	3.9	3.0
Action 5	6	6	2.3	4.4	3.4
Action 6	6	6	2.2	4.0	3.1
Action 7	6	6	2.1	4.0	3.1
Altrincham 1	6	6	1.2	2.8	2.0
Altrincham 2	5	6	1.2	2.8	2.0
Ashton-under-Lyne 1	6	6	1.9	4.6	3.4
Ashton-under-Lyne 2	6	6	1.5	2.6	2.1
Ashton-under-Lyne 3	6	6	1.9	3.3	2.6
Ashton-under-Lyne 4	6	6	1.6	3.2	2.4
Asken 1	6	6	1.6	2.2	1.7
Atherton 1	6	6	1.6	3.3	2.5
Atherton 2	6	6	1.8	3.5	2.7
Audenshaw 1	6	6	1.5	2.9	2.2
Barking 1	6	6	0.9	2.1	1.5
Barking 2	6	6	1.9	3.5	2.7
Barking 3	6	6	1.3	2.9	2.1
Barking 4	6	6	3.0	—	—
Barking 5	1	5	0.9	—	—
Barking 6	—	—	—	—	—
Barking 7	—	—	—	—	—
Barking 8	—	—	—	—	—
Barnsley 1	6	6	1.6	2.4	2.6
Barnsley 2	6	6	1.4	2.6	1.8
Barnsley 3	5	6	1.4	3.3	2.4
Bedwellly 1	6	6	0.4	2.5	2.1
Belfast 1	6	6	1.7	0.8	2.0
Belfast 2	6	6	1.5	2.5	2.0
Belfast 3	6	6	1.0	2.1	1.6
Belfast 4	6	6	0.4	0.8	0.6
Belfast 5	6	6	1.5	3.4	2.5
Belfast 6	6	6	0.9	3.1	2.1
Belfast 7	6	6	1.7	3.0	2.4
Belfast 8	6	6	1.4	3.0	2.2
Belfast 9	6	6	1.8	2.0	1.5
Belfast 10	6	6	3.1	3.4	3.3
Belvedere 1	—	—	—	—	—
Belvedere 2	—	—	—	—	—
Belvedere 3	—	—	—	—	—
Belvedere 4	—	—	—	—	—
Belvedere 5	—	—	—	—	—
Belvedere 6	—	—	—	—	—
Belvedere 7	—	—	—	—	—
Belvedere 8	—	—	—	—	—
Bentley-with-Arksey 2	6	6	1.0	2.6	1.4
Bexleyheath 1	3	6	1.7	1.7	1.7
Billingham 1	6	6	2.3	2.3	2.3
Billingham 9	6	6	0.6	1.6	1.1