

DEPARTMENT OF
SCIENTIFIC AND INDUSTRIAL RESEARCH

The Investigation of
ATMOSPHERIC
POLLUTION

Research and Observations in the Year ended
31st March, 1957

THIRTIETH REPORT

LONDON
HER MAJESTY'S STATIONERY OFFICE
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TABLE 15 (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 ₄ ["]		Total		
							S	W	S	W	S	W	S	W	Y	S	W	S	W	S	W	S	W	Y
Willington 6 ..	6	6	69	50	5.9	5.0	20	10	107	98	20	39	164	111	138	12	17	12	27	21	25	147	124	136
Willington 7 ..	6	6	65	44	5.9	4.9	22	7	117	73	30	23	160	116	138	14	12	18	26	37	46	169	132	151
Willington 8 ..	6	5	68	45	5.6	5.7	20	8	143	92	32	35	199	141	170	15	16	13	28	38	47	184	126	155
Willington 9 ..	6	6	66	41	5.8	5.0	30	9	123	107	32	23	197	125	161	13	13	9	29	25	41	173	118	146
Winsford 1 ..	6	6	65	52	4.5	4.5	3	1	56	47	40	14	99	62	81	—	—	41	36	—	—	241	210	226
Winsford 2 ..	6	6	70	55	4.6	4.4	5	3	145	69	38	10	188	82	135	—	—	51	47	—	—	275	251	263
Winsford 3 ..	6	6	71	61	4.5	4.2	4	3	178	107	55	25	237	135	186	—	—	53	55	—	—	314	288	301
Winsford 4 ..	6	6	73	62	4.6	4.5	4	5	114	87	28	15	146	107	127	—	—	52	51	—	—	320	264	292
Witham 1 ..	6	6	33	37	5.0	4.4	c	c	23	35	80	34	103	69	86	—	—	—	—	33	25	213	132	173
Wolverhampton 1 ..	6	6	53	46	4.8	4.2	6	5	283	328	142	141	431	474	453	33	35	65	70	43	80	325	310	318
Wombwell 1 ..	6	6	57	61	4.4	4.0	4	6	155	205	97	167	256	378	317	9	16	20	31	81	94	208	224	216
Wrexham 1 ..	6	6	77	56	5.6	5.2	c	1	38	51	53	41	91	93	92	26	5	28	36	77	57	262	386	324
Wrexham 2 ..	6	5	74	70	5.6	5.0	2	§	1	214	95	346	515	193	354	9	7	33	36	79	79	261	342	302
Yeadon 2 ..	6	6	54	58	4.7	4.2	3	5	124	113	116	50	243	168	206	8	12	23	45	100	109	247	287	267
Yiewsley and West Drayton 1	3	—	10	—	5.7	—	9	—	258	—	108	—	375	—	—	17	—	15	—	28	—	146	—	—
Yiewsley and West Drayton 2	6	6	54	52	5.7	§	4	2	80	55	53	23	137	80	109	10	15	17	20	33	98	189	223	206
Yiewsley and West Drayton 3	6	6	49	49	6.2	§	5	4	179	144	45	46	229	194	212	18	35	25	23	44	111	255	304	280
York 1 ..	6	6	62	63	4.9	4.1	3	4	256	265	207	160	466	429	448	22	25	29	57	83	104	218	286	252
York 2 ..	6	6	59	56	4.8	4.1	2	2	141	145	86	75	229	222	226	18	18	27	47	72	76	195	235	215

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

TABLE 16.—Suspended Matter (Smoke)—Monthly and Seasonal Averages, 1957-8

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 mean 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 28 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	23	14	13	19	8	13	22	33	31	28	18	26	13	26	20
	highest daily mean	53	34	26	26	27	29	67	55	106	63	43	57	—	—	—
Batley 1 ..	average	24	21	14	15	16	24	34	35	40	42	26	30	19	34	27
	highest daily mean	49	30	37	28	33	38	57	85	158	84	58	74	—	—	—
Belfast 11 ..	average	12	5	4	4	4	7	23	32	35	35	27	28	6	30	18
	highest daily mean	24	9	4	5	8	34	35	106	93	93	54	76	—	—	—
Bentley-with-Arksey 1	average	14	15	13	13	15	15	25	23	32	24	19	19	17	24	21
	highest daily mean	27	25	22	21	23	27	49	50	102	50	38	42	—	—	—
Bilston 3 ..	average	10	9	6	6	6	8	13	21	24	—	15	17	7	18	13
	highest daily mean	19	20	14	9	11	15	28	44	80	—	52	44	—	—	—
Bingley 1 ..	average	7	5	5	3	3	5	10	10	12	11	6	6	5	9	7
	highest daily mean	21	13	10	8	8	16	23	26	54	34	18	13	—	—	—
Bolton 9 ..	average	29	30	17	29	23	29	40	39	53	45	27	26	26	38	32
	highest daily mean	62	78	56	47	51	67	120	64	166	125	47	47	—	—	—
Bolton 15 ..	average	—	—	—	—	—	—	—	26	26	40	32	21	26	—	
	highest daily mean	—	—	—	—	—	—	—	75	65	120	117	44	44	—	
Bolton 16 ..	average	—	—	—	—	—	—	—	52	61	77	67	46	50	—	
	highest daily mean	—	—	—	—	—	—	—	85	105	218	172	86	71	—	
Bolton 17 ..	average	—	—	—	—	—	—	—	44	38	57	45	33	28	—	
	highest daily mean	—	—	—	—	—	—	—	85	79	203	145	72	50	—	

TABLE 16 (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
Doncaster 16 ..	average	28	18	16	19	19	27	33	39	50	40	34	32	21	38	30
	highest daily mean	66	36	34	33	40	52	51	105	161	103	53	50			
Dunmow 3 ..	average	3	1	1	1	—	2	1	1	9	6	—	—	2	3	3
	highest daily mean	8	3	5	2	—	3	10	11	33	20	—	—			
Ealing 3 ..	average	9	9	9	7	8	9	13	15	24	16	14	15	8	16	12
	highest daily mean	25	24	15	15	22	26	42	28	97	44	35	29			
East Kilbride 1	average	6	6	3	2	3	3	3	6	5	3	4	7	4	5	5
	highest daily mean	19	9	7	6	6	20	14	17	20	9	12	17			
Elland 2 ..	average	20	19	20	11	13	16	21	—	24	28	19	20	17	22	20
	highest daily mean	40	40	39	22	21	27	44	—	53	56	40	37			
Ellesmere Port 1	average	—	—	—	—	—	—	—	—	—	15	9	13	—	12	—
	highest daily mean	—	—	—	—	—	—	—	—	—	51	32	45			
Erith 1 ..	average	6	4	4	3	4	6	11	15	19	17	11	10	5	14	10
	highest daily mean	16	8	10	8	15	15	32	43	91	41	24	39			
Eskdalemuir 1 ..	average	T	1	1	1	1	1	1	2	2	2	1	1	1	2	2
	highest daily mean	1	4	1	2	3	3	4	5	7	5	4	4			
Exeter 1 ..	average	5	4	3	2	3	3	12	19	14	10	7	11	3	12	8
	highest daily mean	15	10	6	4	6	7	39	51	54	42	21	24			
Fakenham 1 ..	average	T	1	1	1	2	2	—	3	4	3	2	2	1	3	2
	highest daily mean	8	2	3	3	5	4	—	10	13	9	5	8			
Glasgow 1* ..	average	34	29	19	32	32	35	42	77	77	70	35	32	30	56	43
	highest daily mean	74	64	54	77	70	109	109	246	387	186	109	96			
Glasgow 5* ..	average	15	—	—	6	—	—	—	—	—	—	—	—	10	—	—
	highest daily mean	58	—	—	16	—	—	—	—	—	—	—	—			
Glasgow 10* ..	average	19	22	7	16	10	13	19	48	48	29	—	13	15	32	24
	highest daily mean	48	45	32	22	16	64	58	157	282	90	—	29			
Goole 2 ..	average	—	14	10	12	13	12	17	20	25	26	17	17	12	20	16
	highest daily mean	—	22	21	30	26	21	27	41	72	71	34	32			
Harrogate 1 ..	average	10	9	3	6	9	5	12	11	14	14	14	—	7	13	10
	highest daily mean	31	24	10	38	19	10	37	21	49	31	35	—			
Hayes 1 ..	average	10	9	6	5	7	14	12	13	29	13	12	—	9	15	12
	highest daily mean	29	18	11	23	22	35	38	26	126	37	47	—			
Hayes 2 ..	average	8	7	4	8	—	12	10	9	22	18	14	17	8	15	12
	highest daily mean	22	18	6	24	—	30	32	22	101	47	37	52			
Hayes 3 ..	average	8	7	7	9	10	11	10	9	20	10	7	11	9	11	10
	highest daily mean	20	15	12	22	23	24	34	23	92	33	23	32			
Helmshore 1 ..	average	8	7	4	3	3	4	6	14	17	14	10	11	5	12	9
	highest daily mean	24	20	9	6	5	9	16	36	56	38	31	18			
Hemsworth 2 ..	average	23	20	19	11	12	17	27	24	29	27	20	24	17	25	21
	highest daily mean	36	33	33	21	26	33	51	61	67	72	51	44			
Hendon 2 ..	average	—	—	—	—	—	—	12	12	21	16	13	12	—	14	—
	highest daily mean	—	—	—	—	—	—	33	28	74	39	37	25			
Hendon 3 ..	average	—	—	—	—	—	—	16	14	31	18	14	13	—	18	—
	highest daily mean	—	—	—	—	—	—	38	32	159	44	35	32			
Horbury 2 ..	average	18	16	12	14	12	15	22	20	22	21	14	13	14	19	17
	highest daily mean	36	28	20	24	27	27	39	54	69	55	40	30			
Hornchurch 1 ..	average	9	3	3	2	3	4	15	22	40	25	16	13	4	22	13
	highest daily mean	18	7	5	4	8	9	44	60	251	112	46	48			
Hornsey 4 ..	average	11	7	5	4	5	7	18	18	32	22	18	17	6	21	14
	highest daily mean	33	17	10	9	13	16	48	34	156	48	36	31			
Hornsey 6 ..	average	11	8	5	4	6	8	18	18	32	22	17	17	7	21	14
	highest daily mean	33	17	10	10	13	16	34	36	153	43	30	35			
Hornsey 7 ..	average	9	5	4	3	4	5	15	15	26	17	13	15	5	17	11
	highest daily mean	30	16	11	7	12	14	46	32	97	42	32	28			
Hoyland Nether 1	average	—	—	13	14	13	21	32	32	37	38	25	28	15	32	24
	highest daily mean	—	—	24	27	27	39	78	71	102	73	48	56			
Hoyland Nether 2	average	—	—	9	12	11	16	28	28	38	67	23	21	12	34	23
	highest daily mean	—	—	20	22	22	34	65	65	129	88	56	45			
Huddersfield 6 ..	average	—	—	—	—	9	16	30	50	51	48	32	31	12	40	26
	highest daily mean	—	—	—	—	26	40	84	149	291	133	107	72			
Huddersfield 7 ..	average	—	—	—	—	7	14	29	37	44	42	26	23	10	34	22
	highest daily mean	—	—	—	—	23	37	84	94	300	106	107	58			
Huddersfield 8 ..	average	—	—	—	—	—	—	—	—	—	—	—	—	—	27	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	—			
Ilford 1 ..	average	—	5	4	3	5	7	8	29	60	36	17	25	5	28	17
	highest daily mean	—	13	7	7	13	18	38	120	180	149	40	152			
Ilford 2 ..	average	—	4	4	3	4	6	6	22	38	27	14	15	4	20	12
	highest daily mean	—	10	7	6	7	13	38	93	142	140	38	51			
Ilford 3 ..	average	—	8	6	4	—	10	42	32	56	46	21	37	7	39	23
	highest daily mean	—	17	12	13	—	23	163	106	211	173	50	178			
Keighley 8 ..	average	—	12	6	—	15	18	17	19	24	27	—	—	13	21	17
	highest daily mean	—	30	22	—	25	33	32	34	41	33	41	—			
Keighley 9 ..	average	—	—	—	—	—	—	—	—	—	—	—	—	—	26	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	—			

TABLE 16 (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
Kew 1*	average	9	4	3	4	3	4	11	16	26	19	13	16	5	17	11
	highest daily mean	31	11	7	8	11	12	38	60	117	55	30	37			
Kingston upon Hull 2	average	27	21	20	21	16	22	36	41	44	46	33	32	21	39	30
	highest daily mean	45	41	35	36	28	41	54	103	106	104	61	79			
Kingston-upon-Thames 11	average	—	—	—	—	—	—	—	—	—	10	8	11	—	10	—
	highest daily mean	—	—	—	—	—	—	—	—	—	32	23	22			
Lancaster 4 ..	average	13	9	5	4	6	6	11	13	16	15	14	9	7	13	10
	highest daily mean	32	18	9	9	19	13	28	32	57	51	29	18			
Leeds 4	average	74	35	28	32	34	41	129	120	148	138	107	97	41	123	82
	highest daily mean	145	56	44	49	78	66	235	244	532	319	185	186			
Leeds 8	average	14	17	9	11	13	17	20	31	31	24	13	19	14	23	19
	highest daily mean	50	38	27	35	40	40	63	76	194	53	47	76			
Leeds 18	average	—	—	—	—	23	30	86	89	105	107	84	81	27	92	60
	highest daily mean	—	—	—	—	49	49	180	171	325	195	179	164			
Leeds 19	average	—	—	—	—	23	30	96	93	118	117	89	77	27	98	63
	highest daily mean	—	—	—	—	60	49	213	203	326	230	217	171			
Leeds 20	average	—	—	—	—	24	30	93	92	108	114	85	75	27	95	61
	highest daily mean	—	—	—	—	54	47	218	216	342	225	200	139			
Leeds 21	average	—	—	—	—	24	30	85	94	105	109	83	77	27	92	60
	highest daily mean	—	—	—	—	53	48	185	202	310	215	175	150			
Leicester 3 ..	average	—	—	—	—	—	—	11	22	21	41	9	9	—	19	—
	highest daily mean	—	—	—	—	—	—	21	70	72	103	25	31			
Leicester 5 ..	average	15	11	7	9	8	—	—	—	—	—	—	—	10	—	—
	highest daily mean	26	17	14	18	24	—	—	—	—	—	—	—			
Leicester 6 ..	average	—	—	—	—	—	—	7	13	12	16	6	8	—	10	—
	highest daily mean	—	—	—	—	—	—	16	38	39	36	16	17			
Leicester 7 ..	average	—	—	—	—	—	—	7	14	12	22	9	7	—	12	—
	highest daily mean	—	—	—	—	—	—	15	41	44	49	21	31			
Leicester 8 ..	average	—	—	—	—	—	—	10	14	18	25	9	8	—	14	—
	highest daily mean	—	—	—	—	—	—	21	41	64	49	28	25			
Leicester 9 ..	average	—	—	—	—	—	—	6	15	13	18	8	10	—	12	—
	highest daily mean	—	—	—	—	—	—	14	59	34	43	16	23			
Lerwick 1 ..	average	1	T	T	T	T	T	T	1	T	T	—	—	T	T	T
	highest daily mean	4	1	1	1	1	1	2	3	3	1	—	—			
Leyton 1	average	20	9	6	6	7	9	25	36	57	38	26	29	9	35	22
	highest daily mean	54	16	13	11	16	20	53	83	234	94	48	62			
Liverpool 14* ..	average	39	10	32	15	15	21	30	46	49	39	15	17	22	33	28
	highest daily mean	66	69	72	35	26	39	64	110	177	85	37	61			
London—Battersea 2 ..	average	18	12	11	9	9	12	29	39	42	40	26	28	12	34	23
	highest daily mean	38	28	21	22	21	35	69	75	142	75	71	136			
Bermondsey 3	average	14	7	5	5	6	9	29	36	48	22	23	26	8	31	20
	highest daily mean	35	19	9	13	18	25	93	64	180	71	74	70			
Bethnal Green 2	average	23	14	11	6	9	15	29	26	—	45	30	31	13	32	23
	highest daily mean	85	31	30	11	30	32	56	76	—	145	40	81			
Camberwell 3	average	17	12	12	9	11	12	21	22	27	18	15	12	12	19	16
	highest daily mean	42	22	19	20	23	18	48	37	90	41	25	39			
Camberwell 4	average	—	—	7	7	8	9	16	18	20	14	10	11	8	15	12
	highest daily mean	—	—	30	31	31	30	40	36	70	43	21	32			
Chelsea 2	average	26	17	—	—	15	17	34	40	57	46	37	38	19	43	31
	highest daily mean	60	25	—	—	32	25	96	91	178	99	61	94			
Chelsea 3	average	12	9	7	6	—	—	—	—	—	—	—	—	8	—	—
	highest daily mean	33	17	16	19	—	—	—	—	—	—	—	—			
City 1	average	5	3	2	2	2	3	11	15	30	14	10	11	3	15	9
	highest daily mean	14	8	7	4	7	7	29	40	243	64	19	25			
City 9	average	13	7	8	7	8	9	25	24	43	25	19	17	9	25	17
	highest daily mean	25	17	25	13	18	17	83	70	242	78	35	41			
City 10	average	17	17	20	18	18	18	32	26	45	28	23	23	18	29	24
	highest daily mean	34	35	36	35	52	23	72	49	226	86	39	62			
City 11	average	11	9	7	7	9	11	19	21	28	21	16	16	9	20	15
	highest daily mean	30	17	16	16	25	19	38	34	79	55	34	30			
City 12	average	6	4	—	3	4	7	11	9	14	8	5	6	5	9	7
	highest daily mean	16	10	—	5	15	12	34	20	48	26	13	12			
Deptford 1 ..	average	26	18	11	12	11	13	38	37	67	59	40	43	15	48	32
	highest daily mean	62	43	19	26	28	20	94	64	236	157	68	153			
Deptford 2 ..	average	25	18	15	19	19	24	46	39	42	43	34	45	20	42	31
	highest daily mean	45	43	35	75	63	54	87	71	132	108	70	134			
Finsbury 1 ..	average	15	8	6	5	9	9	20	21	44	26	19	19	9	25	17
	highest daily mean	53	19	14	10	18	19	52	54	262	68	38	54			
Fulham 1 .. .	average	15	—	—	—	—	—	—	—	—	—	—	—	15	—	—
	highest daily mean	33	—	—	—	—	—	—	—	—	—	—	—			

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TABLE 16 (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 (contd.)- Fulham 6 ..	average	20	9	5	7	26	9	32	34	49	36	27	26	13	34	24
	highest daily mean	40	25	11	15	77	20	82	49	306	85	79	87	13	34	24
Greenwich 2..	average	21	10	11	8	9	9	17	25	36	22	15	14	11	21	16
	highest daily mean	32	18	21	22	18	17	35	64	126	62	26	42	11	21	16
Greenwich 3..	average	14	8	6	4	5	5	18	18	24	18	13	14	7	17	12
	highest daily mean	32	15	15	7	13	10	47	46	73	61	20	59	7	17	12
Greenwich 4..	average	14	9	5	6	9	5	10	14	31	23	22	15	8	19	14
	highest daily mean	36	17	10	17	36	17	34	30	121	76	38	58	8	19	14
Greenwich 5..	average	15	15	15	12	11	11	22	28	42	35	21	25	13	29	21
	highest daily mean	39	28	25	28	28	14	51	51	112	71	38	63	13	29	21
Greenwich 7..	average	17	9	8	6	7	8	26	43	54	36	25	26	9	35	22
	highest daily mean	37	15	15	22	12	12	52	209	278	100	46	109	9	35	22
Hackney 4 ..	average	25	15	9	6	13	16	38	43	78	51	39	39	14	48	31
	highest daily mean	70	30	21	11	47	19	111	121	345	128	65	93	14	48	31
Hackney 5 ..	average	40	26	17	18	24	34	74	64	69	56	43	45	26	59	43
	highest daily mean	99	68	72	41	58	116	139	116	281	103	83	83	26	59	43
Hackney 6 ..	average	27	21	11	9	15	20	45	51	66	54	41	40	17	50	34
	highest daily mean	103	46	35	22	42	39	111	91	255	104	89	82	17	50	34
Hammersmith 4	average	22	—	—	—	—	—	—	—	—	—	—	—	22	—	—
	highest daily mean	50	—	—	—	—	—	—	—	—	—	—	—	22	—	—
Hammersmith 5	average	26	—	—	—	—	—	—	—	—	—	—	—	26	—	—
	highest daily mean	47	—	—	—	—	—	—	—	—	—	—	—	26	—	—
Hampstead 4	average	25	13	—	—	12	—	35	42	59	44	36	40	17	43	30
	highest daily mean	92	34	—	—	18	—	80	83	262	99	80	79	17	43	30
Hampstead 5	average	17	11	9	8	12	13	22	30	50	38	27	29	12	33	23
	highest daily mean	70	31	17	17	30	30	51	49	206	98	58	64	12	33	23
Holborn 2 ..	average	29	13	13	—	13	15	41	32	46	44	30	32	17	37	27
	highest daily mean	58	20	25	—	30	24	78	59	122	93	50	62	17	37	27
Holborn 3 ..	average	25	17	13	—	—	—	20	29	52	31	24	27	19	32	26
	highest daily mean	66	31	23	—	—	—	49	67	194	99	57	66	19	32	26
Islington 1 ..	average	20	9	6	4	8	9	32	33	52	38	30	31	9	36	23
	highest daily mean	62	28	15	16	30	20	82	70	253	92	54	54	9	36	23
Islington 2 ..	average	16	9	6	5	8	8	30	29	51	37	27	25	9	33	21
	highest daily mean	42	32	19	9	35	22	81	77	289	74	57	61	9	33	21
Kensington 1	average	13	7	6	5	6	6	15	24	36	28	17	17	7	23	15
	highest daily mean	38	22	15	12	16	15	42	77	128	83	36	47	7	23	15
Kensington 4	average	17	10	13	10	10	13	16	17	31	20	16	12	12	19	16
	highest daily mean	46	22	25	22	28	28	36	30	143	45	31	24	12	19	16
Kensington 5	average	24	18	15	17	17	21	34	34	35	34	26	23	19	31	25
	highest daily mean	38	27	33	25	35	35	69	69	64	56	38	38	19	31	25
Kensington 6	average	26	18	16	20	18	16	25	27	26	24	20	20	19	24	22
	highest daily mean	46	46	29	29	39	35	40	79	60	46	33	33	19	24	22
Lambeth 2 ..	average	21	14	14	12	13	14	33	35	54	39	31	33	15	38	27
	highest daily mean	59	28	40	25	34	35	102	77	190	104	59	69	15	38	27
Lambeth 6 ..	average	16	13	11	11	12	14	31	32	50	38	27	33	13	35	24
	highest daily mean	56	32	22	25	30	30	84	62	198	99	54	62	13	35	24
Lambeth 7 ..	average	33	22	12	10	11	14	38	45	70	54	43	44	17	49	33
	highest daily mean	68	38	22	14	23	21	104	105	203	125	69	138	17	49	33
Lambeth 8 ..	average	7	8	5	5	5	5	21	23	35	28	22	24	6	26	18
	highest daily mean	21	10	15	14	16	12	54	47	140	68	40	46	6	26	18
Lambeth 9 ..	average	18	11	10	11	11	22	36	32	47	30	25	28	14	33	24
	highest daily mean	56	22	18	24	21	54	97	75	162	82	60	82	14	33	24
Lambeth 10 ..	average	9	7	8	7	10	8	21	28	41	34	26	24	8	29	19
	highest daily mean	26	12	12	12	24	13	52	71	141	93	49	69	8	29	19
Lewisham 4 ..	average	18	14	11	5	5	3	11	11	36	22	13	17	9	18	14
	highest daily mean	40	22	20	8	8	4	21	21	91	49	21	28	9	18	14
Lewisham 5 ..	average	18	16	12	6	4	3	10	8	31	21	14	15	10	17	14
	highest daily mean	36	22	19	8	7	5	15	16	73	44	23	31	10	17	14
Lewisham 6 ..	average	14	12	10	5	3	2	9	9	31	19	13	14	8	16	12
	highest daily mean	26	17	15	6	5	5	16	17	89	41	18	24	8	16	12
Lewisham 8 ..	average	—	—	—	—	—	—	—	—	37	26	17	19	—	25	—
	highest daily mean	—	—	—	—	—	—	—	—	96	56	23	32	—	25	—
Paddington 2	average	34	14	13	13	18	18	34	38	48	37	29	28	18	36	27
	highest daily mean	73	31	20	31	35	33	126	68	170	100	66	81	18	36	27
St. Marylebone 6	average	19	10	8	10	8	13	34	26	43	19	32	35	11	32	22
	highest daily mean	63	21	20	24	23	25	85	47	110	121	76	89	11	32	22
St. Marylebone 7	average	24	11	6	9	7	12	34	30	48	26	29	33	11	33	22
	highest daily mean	62	43	16	18	19	22	108	71	145	72	66	73	11	33	22
St. Pancras 4..	average	30	20	18	16	17	17	31	38	40	38	34	38	19	36	28
	highest daily mean	63	37	37	39	49	39	53	60	170	71	55	68	19	36	28
St. Pancras 5..	average	18	13	12	13	10	14	23	20	38	22	20	23	13	24	19
	highest daily mean	42	30	20	21	22	31	44	33	139	39	42	35	13	24	19

TABLE 16 (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 (contd.)— Shoreditch 1 ..	average	16	14	—	18	6	12	19	26	31	19	26	26	13	24	19
	highest daily mean	43	25	—	35	25	23	36	38	140	53	51	61	—	—	—
Southwark 3 ..	average	26	19	19	18	17	23	36	39	48	30	20	24	20	33	27
	highest daily mean	63	36	38	29	31	45	88	66	160	100	40	42	—	—	—
Stepney 3 ..	average	18	12	12	11	11	31	34	52	40	28	28	12	35	24	
	highest daily mean	35	26	22	24	24	21	56	55	181	99	49	64	—	—	—
Stepney 4 ..	average	25	16	12	10	13	17	43	52	85	44	32	32	15	48	32
	highest daily mean	51	34	21	17	38	32	104	110	364	95	67	62	—	—	—
Stoke Newing- ton 3	average	22	15	14	12	14	23	37	33	70	61	—	31	17	47	32
	highest daily mean	62	40	29	21	39	42	122	72	252	145	—	51	—	—	—
Wandsworth 1	average	20	15	11	12	18	14	19	18	24	26	19	21	15	21	18
	highest daily mean	43	34	22	26	27	31	38	33	91	64	42	46	—	—	—
Wandsworth 2	average	10	3	4	2	3	4	9	13	20	19	6	13	4	13	9
	highest daily mean	24	10	9	6	10	13	38	56	92	63	17	36	—	—	—
Wandsworth 3	average	18	8	9	7	13	12	—	16	12	12	9	9	11	12	12
	highest daily mean	36	13	17	21	33	26	—	38	34	33	21	30	—	—	—
Wandsworth 4	average	25	18	12	14	14	10	22	20	29	30	21	23	15	24	20
	highest daily mean	52	31	25	29	25	28	45	30	97	78	44	59	—	—	—
Wandsworth 5	average	17	19	15	11	14	10	25	20	29	30	23	25	14	25	20
	highest daily mean	34	33	22	24	28	18	58	34	74	66	48	52	—	—	—
Westminster 6	average	9	10	10	10	10	11	10	27	40	32	22	—	10	26	18
	highest daily mean	18	22	22	20	23	18	26	46	132	100	43	—	—	—	—
Westminster 7	average	19	17	17	13	13	19	31	37	52	36	30	29	16	35	26
	highest daily mean	49	28	48	27	45	40	78	51	150	115	61	71	—	—	—
Westminster 10	average	35	29	34	27	26	23	42	38	—	41	28	38	29	38	34
	highest daily mean	81	51	52	62	61	46	83	70	—	93	48	80	—	—	—
Westminster 11	average	25	17	18	14	14	16	37	39	62	43	31	34	17	40	29
	highest daily mean	76	41	31	20	42	34	85	72	182	97	49	107	—	—	—
Woolwich 1 ..	average	16	12	10	15	20	17	28	35	85	32	31	22	15	37	26
	highest daily mean	59	31	32	47	56	32	96	102	543	70	55	64	—	—	—
Woolwich 8 ..	average	28	5	4	4	4	4	15	26	31	23	14	16	8	21	15
	highest daily mean	76	13	14	10	12	11	53	71	135	119	24	46	—	—	—
Woolwich 9 ..	average	24	4	3	3	4	4	10	20	22	18	14	13	7	16	12
	highest daily mean	94	14	9	8	18	9	29	61	88	83	28	38	—	—	—
Woolwich 10	average	33	8	5	8	6	7	17	26	29	26	19	14	11	22	17
	highest daily mean	71	39	17	21	21	17	38	45	107	88	31	24	—	—	—
Longbenton 1 ..	average	7	5	5	4	5	5	14	14	21	20	18	10	5	16	11
	highest daily mean	13	8	12	7	15	15	43	40	58	53	43	36	—	—	—
Luton 1 ..	average	5	3	2	2	3	3	8	9	12	9	8	8	3	9	6
	highest daily mean	19	5	6	7	10	14	33	24	59	35	23	27	—	—	—
Lytham St. Annes 1	average	7	6	3	3	4	5	8	13	16	12	7	9	5	11	8
	highest daily mean	15	15	11	7	9	15	24	32	60	52	21	15	—	—	—
Macclesfield 1 ..	average	—	25	14	13	21	24	30	50	34	32	24	31	19	34	27
	highest daily mean	—	41	35	31	49	76	67	146	98	111	64	85	—	—	—
Malden and Coombe 1	average	—	—	—	—	—	—	15	21	29	15	10	11	—	17	—
	highest daily mean	—	—	—	—	—	—	44	88	125	44	28	28	—	—	—
Maltby 1 ..	average	11	8	8	9	12	—	16	20	18	23	12	12	10	17	14
	highest daily mean	24	13	16	20	20	—	30	50	50	63	25	21	—	—	—
Manchester 9 ..	average	17	21	16	16	16	21	33	38	39	42	36	29	18	36	27
	highest daily mean	30	34	30	25	26	38	92	195	149	136	78	50	—	—	—
Merton 2 ..	average	—	12	12	5	8	8	17	14	31	20	12	16	9	20	15
	highest daily mean	—	22	20	15	19	20	36	44	130	78	35	68	—	—	—
Morley 3 ..	average	25	16	8	9	8	11	20	21	17	23	18	22	13	20	17
	highest daily mean	44	32	20	16	15	27	50	51	65	172	36	44	—	—	—
Mytholmroyd 1	average	13	13	11	10	12	13	19	20	25	24	—	—	12	22	17
	highest daily mean	29	29	24	16	20	26	46	48	87	62	—	—	—	—	—
Newburn 1 ..	average	—	—	—	—	—	—	—	22	22	30	23	23	—	24	—
	highest daily mean	—	—	—	—	—	—	—	48	84	71	47	50	—	—	—
Newcastle upon Tyne 5	average	60	70	64	58	—	—	83	80	91	101	82	82	63	86	75
	highest daily mean	147	139	141	94	—	—	136	154	180	207	153	158	—	—	—
Newcastle upon Tyne 10	average	15	16	6	6	6	9	16	20	33	29	23	24	10	24	17
	highest daily mean	29	39	15	13	18	23	44	48	82	71	61	47	—	—	—
Nottingham 1 ..	average	8	7	5	5	8	10	18	17	32	24	13	15	7	20	14
	highest daily mean	39	16	8	15	17	30	45	61	200	65	47	46	—	—	—
Nuneaton 1 ..	average	14	13	9	10	10	15	21	27	31	22	12	16	12	22	17
	highest daily mean	27	21	17	21	20	24	38	68	105	45	26	49	—	—	—
Otley 2 ..	average	12	12	8	6	6	9	12	13	12	16	13	15	9	14	12
	highest daily mean	30	19	15	12	16	18	33	24	25	34	30	36	—	—	—
Oxford 11 ..	average	12	11	10	10	10	10	17	23	25	18	14	15	10	19	15
	highest daily mean	28	18	18	18	19	19	44	44	98	67	30	31	—	—	—

TABLE 16 (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
Oxford 12 ..	average	—	—	—	—	—	—	—	—	—	5	13	14	—	11	—
	highest daily mean	—	—	—	—	—	—	—	—	—	36	36	25	—	—	—
Pembroke Dock 1 ..	average	2	1	1	1	1	1	—	—	—	—	—	—	1	—	—
	highest daily mean	4	3	3	2	3	3	—	—	—	—	—	—	—	—	—
Pontefract 1 ..	average	19	21	12	12	14	14	30	24	24	29	21	24	15	25	20
	highest daily mean	35	30	24	22	30	25	67	37	59	88	30	94	—	—	—
Portsmouth 1 ..	average	16	9	5	6	—	7	21	25	22	22	14	9	9	19	14
	highest daily mean	40	20	11	11	—	15	59	75	58	58	30	21	7	21	14
Portsmouth 2 ..	average	13	8	5	4	6	7	16	21	18	30	24	19	7	21	14
	highest daily mean	75	16	12	7	12	22	39	49	52	71	52	33	—	—	—
Portsmouth 3 ..	average	—	—	—	5	5	5	12	15	12	14	9	14	5	13	9
	highest daily mean	—	—	—	12	17	12	22	41	35	27	24	31	—	—	—
Portsmouth 4 ..	average	—	—	—	4	5	5	18	21	19	18	22	15	5	19	12
	highest daily mean	—	—	—	8	13	13	24	50	49	48	37	51	—	—	—
Preston 4 ..	average	18	19	17	14	16	18	23	25	31	27	21	25	17	25	21
	highest daily mean	41	33	39	31	27	35	42	63	96	91	48	56	—	—	—
Queensbury 1 ..	average	—	—	26	22	49	66	92	68	107	28	19	19	41	55	48
	highest daily mean	—	—	82	74	155	190	186	140	192	55	55	41	—	—	—
Ramsbottom 3 ..	average	—	—	—	21	19	20	29	25	66	60	38	34	20	42	31
	highest daily mean	—	—	—	35	36	47	49	50	210	177	99	58	—	—	—
Rawmarsh 2 ..	average	39	34	26	30	30	36	51	50	62	65	52	40	33	53	43
	highest daily mean	72	56	55	60	59	59	87	113	148	112	73	80	—	—	—
Ripon 1 ..	average	18	15	6	10	9	12	23	20	24	23	15	15	12	20	16
	highest daily mean	25	31	11	17	16	18	38	29	64	63	25	28	—	—	—
Rothwell 2 ..	average	19	11	16	10	11	15	32	23	30	28	19	14	13	24	19
	highest daily mean	33	22	31	15	24	32	59	62	80	78	36	39	—	—	—
St. Helens 7 ..	average	28	14	9	14	10	14	28	45	51	43	24	24	15	36	26
	highest daily mean	66	29	29	58	22	65	70	120	185	143	58	52	—	—	—
St. Helens 12 ..	average	26	38	20	—	12	17	28	44	46	44	27	30	23	37	30
	highest daily mean	42	55	57	—	20	40	65	140	110	180	74	51	—	—	—
Saddleworth 1 ..	average	14	11	9	12	12	14	17	20	23	25	12	10	12	19	16
	highest daily mean	23	20	15	22	26	30	30	49	59	91	26	22	—	—	—

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Sale 4 ..	average	17	10	10	8	7	12	20	26	44	8	23	22	11	24	18
	highest daily mean	50	20	26	19	19	25	49	65	173	34	66	45	—	—	—
Salford 2 ..	average	44	32	21	32	34	42	62	66	77	73	53	50	35	63	49
	highest daily mean	80	58	53	60	77	63	88	219	226	241	101	90	—	—	—
Settle 2 ..	average	—	—	—	—	—	—	—	3	3	3	2	2	—	3	—
	highest daily mean	—	—	—	—	—	—	—	15	11	8	9	6	—	—	—
Sheffield 2 ..	average	17	11	6	3	3	10	17	27	32	25	13	19	8	22	15
	highest daily mean	55	30	17	10	17	37	71	114	115	86	31	79	—	—	—
Sheffield 6 ..	average	—	—	—	—	—	—	13	27	29	41	40	23	13	31	22
	highest daily mean	—	—	—	—	—	—	41	78	85	122	98	53	—	—	—
Sheffield 8 ..	average	24	23	17	17	19	23	33	34	43	36	27	26	21	33	27
	highest daily mean	46	33	23	25	24	34	61	63	94	71	40	47	—	—	—
Sheffield 32 ..	average	19	13	8	7	—	15	22	34	35	33	16	20	12	27	20
	highest daily mean	60	25	20	17	—	39	56	107	90	118	31	62	—	—	—
Sheffield 36 ..	average	23	12	3	3	6	15	25	47	45	48	29	37	10	38	24
	highest daily mean	61	23	17	12	17	45	65	159	129	98	56	127	—	—	—
Sheffield 37 ..	average	30	19	8	9	10	19	31	42	39	42	23	29	16	34	25
	highest daily mean	63	36	33	26	24	42	80	122	80	128	45	67	—	—	—
Sheffield 38 ..	average	24	13	8	8	10	21	36	41	49	44	29	34	14	39	27
	highest daily mean	45	28	15	23	20	52	78	90	155	109	47	77	—	—	—
Sheffield 39 ..	average	25	16	7	8	10	20	34	47	50	45	28	33	14	39	27
	highest daily mean	53	33	24	23	20	49	77	154	144	94	52	70	—	—	—
Sheffield 40 ..	average	19	15	7	9	11	20	35	43	48	44	28	34	14	39	27
	highest daily mean	43	31	19	23	27	41	91	89	155	117	64	74	—	—	—
Sheffield 41 ..	average	21	12	9	8	9	21	38	40	38	41	25	30	13	35	24
	highest daily mean	103	33	36	28	22	58	83	72	82	99	60	70	—	—	—
Sheffield 42 ..	average	—	—	—	—	—	—	23	35	41	58	49	30	23	41	32
	highest daily mean	—	—	—	—	—	—	57	67	93	188	135	75	—	—	—
Sheffield 43 ..	average	—	—	—	—	—	—	12	23	30	35	34	28	12	31	22
	highest daily mean	—	—	—	—	—	—	41	67	56	81	87	93	—	—	—
Sheffield 44 ..	average	—	—	—	—	—	—	6	14	24	22	28	12	6	20	13
	highest daily mean	—	—	—	—	—	—	28	34	95	57	67	42	—	—	—
Sheffield 45 ..	average	—	—	—	—	—	—	3	5	9	—	8	7	3	8	6
	highest daily mean	—	—	—	—	—	—	12	23	29	—	44	26	—	—	—
Sheffield 46 ..	average	—	—	—	—	—	—	7	13	23	27	24	11	7	19	13
	highest daily mean	—	—	—	—	—	—	35	57	79	60	84	31	—	—	—
Sheffield 47 ..	average	—	—	—	—	—	—	28	47	56	71	60	42	28	54	41
	highest daily mean	—	—	—	—	—	—	55	96	181	156	136	74	—	—	—
Sheffield 48 ..	average	—	—	—	—	—	—	11	28	25	44	33	19	11	28	20
	highest daily mean	—	—	—	—	—	—	30	67	97	133	74	45	—	—	—
Sheffield 49 ..	average	—	—	—	—	—	—	11	24	32	39	35	29	11	32	22
	highest daily mean	—	—	—	—	—	—	34	60	76	94	77	54	—	—	—

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TABLE 16 (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
Sheffield 50 ..	average	—	—	—	—	—	—	18	29	35	33	21	25	—	27	—
	highest daily mean	—	—	—	—	—	—	76	90	106	101	59	75	—	—	—
Sheffield 51 ..	average	—	—	—	—	—	—	37	38	54	50	34	36	—	41	—
	highest daily mean	—	—	—	—	—	—	67	64	147	101	82	66	—	—	—
Sheffield 52 ..	average	—	—	—	—	—	—	29	31	40	41	21	25	—	31	—
	highest daily mean	—	—	—	—	—	—	72	80	108	91	59	68	—	—	—
Sheffield 53 ..	average	—	—	—	—	—	—	—	44	65	59	42	42	—	50	—
	highest daily mean	—	—	—	—	—	—	—	100	181	109	73	101	—	—	—
Sheffield 54 ..	average	—	—	—	—	—	—	—	27	—	27	17	24	—	24	—
	highest daily mean	—	—	—	—	—	—	—	91	—	89	47	50	—	—	—
Sheffield 55 ..	average	—	—	—	—	—	—	—	33	51	43	27	27	—	36	—
	highest daily mean	—	—	—	—	—	—	—	82	145	106	63	61	—	—	—
Sheffield 56 ..	average	—	—	—	—	—	—	—	26	50	37	20	22	—	30	—
	highest daily mean	—	—	—	—	—	—	—	92	170	107	78	83	—	—	—
Sheffield 57 ..	average	—	—	—	—	—	—	—	—	36	31	20	29	—	29	—
	highest daily mean	—	—	—	—	—	—	—	—	92	107	49	58	—	—	—
Sheffield 58 ..	average	—	—	—	—	—	—	—	—	—	—	42	43	—	43	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	68	71	—	—	—
Sheffield 60 ..	average	—	—	—	—	—	—	—	—	—	—	3	5	—	4	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	9	13	—	—	—
Sheffield 61 ..	average	—	—	—	—	—	—	—	—	—	—	—	38	—	38	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	70	—	—	—
Slaithwaite 2 ..	average	20	21	16	16	15	17	24	25	23	19	12	14	17	20	19
	highest daily mean	34	31	32	25	24	30	64	51	75	36	45	23	—	—	—
Southampton 22	average	12	6	5	4	2	4	8	24	29	20	17	19	5	19	12
	highest daily mean	23	16	8	9	5	8	17	50	89	72	45	31	—	—	—
Southampton 23	average	11	6	5	5	1	3	6	15	12	—	15	15	5	13	9
	highest daily mean	25	12	11	9	3	6	13	29	64	—	45	28	—	—	—
Southampton 24	average	9	7	4	3	3	4	12	21	27	24	18	17	5	20	13
	highest daily mean	21	38	9	9	5	7	26	54	66	72	44	31	—	—	—
Southampton 25	average	8	—	—	—	1	—	—	—	—	—	—	—	5	—	—
	highest daily mean	22	—	—	—	4	—	—	—	—	—	—	—	—	—	—

Southampton 26	average	8	5	4	2	2	3	8	12	21	—	13	12	4	13	9
	highest daily mean	21	12	10	6	6	6	15	35	48	—	28	29	—	—	—
Southampton 28	average	—	—	—	—	—	—	—	—	—	18	14	15	—	16	—
	highest daily mean	—	—	—	—	—	—	—	—	—	49	39	28	—	—	—
Stocksbridge 9 ..	average	22	20	11	9	10	12	13	26	24	26	27	26	14	24	19
	highest daily mean	47	26	24	24	21	22	24	48	61	49	59	53	—	—	—
Stornoway 1 ..	average	T	T	T	T	T	T	T	1	—	—	T	1	T	T	T
	highest daily mean	2	1	1	T	1	1	1	2	—	—	1	3	—	—	—
Stourbridge 1 ..	average	10	10	8	9	7	7	11	14	14	10	12	14	9	12	11
	highest daily mean	26	23	15	20	12	12	27	35	36	27	22	24	—	—	—
Swaffham 1 ..	average	2	1	1	—	—	—	—	—	—	—	—	—	1	—	—
	highest daily mean	5	3	3	—	—	—	—	—	—	—	—	—	—	—	—
Teddington 2 ..	average	9	5	3	2	3	4	9	13	26	20	12	22	4	17	11
	highest daily mean	23	13	6	5	9	17	27	23	80	64	40	68	—	—	—
Thorne 1 ..	average	9	6	4	4	7	11	16	18	19	20	13	13	7	17	12
	highest daily mean	17	11	10	10	18	9	96	51	40	49	23	24	—	—	—
Tottenham 3 ..	average	13	9	5	3	4	7	23	20	39	29	17	18	7	24	16
	highest daily mean	55	27	12	8	12	17	72	38	126	90	48	30	—	—	—
Tynemouth 1 ..	average	—	—	—	—	—	—	—	—	—	—	28	20	—	24	—
Wakefield 12 ..	average	—	—	—	—	—	—	—	—	—	—	58	47	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	41	12	23	—	28	—
Wakefield 13 ..	average	—	—	—	—	—	—	—	—	—	221	124	65	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	59	27	—	44	—
Wakefield 14 ..	average	—	—	—	—	—	—	—	—	—	—	149	98	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	29	—	—	26	—
Wakefield 15 ..	average	—	—	—	—	—	—	—	—	—	—	70	—	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	38	21	—	27	—
Wakefield 16 ..	average	—	—	—	—	—	—	—	—	—	—	140	70	—	—	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	21	—	—	19	—
Wallsend 2 ..	average	32	25	11	13	13	21	38	37	52	50	38	37	19	42	31
	highest daily mean	55	45	26	22	26	41	71	67	175	145	83	66	—	—	—
Walsall 11 ..	average	15	13	10	10	10	13	10	21	25	22	19	18	12	19	16
	highest daily mean	36	23	15	14	21	22	17	46	123	57	50	34	—	—	—
Walton-le-Dale 1	average	—	—	—	—	—	—	—	—	—	—	37	25	—	28	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	128	65	—	—	—
Warrington 8 ..	average	17	8	6	8	8	11	17	34	38	29	15	30	10	27	19
	highest daily mean	41	12	14	20	19	23	36	98	145	68	29	55	—	—	—
Wednesfield 1 ..	average	18	13	8	—	—	6	10	16	26	27	17	19	11	19	15
	highest daily mean	41	24	13	—	—	11	26	29	57	77	45	45	—	—	—
West Bromwich 12	average	—	—	—	—	—	—	—	—	—	—	28	32	—	30	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	96	56	—	—	—

TABLE 16 (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
Wetherby 1 ..	average	6	5	3	3	4	—	12	12	15	14	10	11	4	12	8
	highest daily mean	13	8	8	5	8	—	31	22	37	30	29	24	—	—	—
Willenhall 1 ..	average	43	35	—	—	—	—	—	—	62	66	55	55	38	59	49
	highest daily mean	71	61	—	—	—	—	—	—	157	140	101	87	—	—	—
Willesden 8 ..	average	35	13	8	6	6	—	—	20	54	50	30	33	13	38	26
	highest daily mean	82	30	25	16	16	—	—	53	241	110	70	89	—	—	—
Witham 2 ..	average	6	3	2	2	2	3	6	7	12	9	7	6	3	8	6
	highest daily mean	11	5	4	4	5	7	14	14	40	28	12	15	—	—	—
Witham 3 ..	average	—	—	2	—	—	—	5	—	14	7	7	7	2	8	5
	highest daily mean	—	—	4	—	—	—	11	—	35	—	20	16	—	—	—
Wolverhampton 3 ..	average	5	3	2	1	2	2	3	7	9	7	6	7	2	6	4
	highest daily mean	8	7	6	6	4	6	8	23	33	23	22	14	—	—	—
Wombwell 1 ..	average	27	19	14	17	17	22	31	36	47	40	32	34	20	36	28
	highest daily mean	51	30	27	24	27	44	53	68	126	93	74	68	—	—	—
Woodford 1 ..	average	12	7	4	3	2	3	14	17	47	52	25	13	5	27	16
	highest daily mean	30	14	10	4	5	5	44	45	205	108	56	25	—	—	—
Yeadon 1 ..	average	—	8	7	8	7	9	22	17	24	19	14	13	8	18	13
	highest daily mean	—	15	14	10	11	12	72	25	87	25	26	22	—	—	—
Yiewsley and West Drayton 1 ..	average	8	5	4	4	4	5	15	12	20	11	7	11	5	13	9
	highest daily mean	23	14	12	10	12	20	55	23	123	39	23	33	—	—	—

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TABLE 17.—Suspended Matter (Smoke)
Week-day and Week-end Averages, 1957-58

T indicates trace, i.e. less than 0.5 milligrammes per 100 cubic metres.
 See note on page 28 on the significance of smoke concentrations.

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
Barnes 1 ..	14*	12*	19*	18*	17	15
Batley 1 ..	20	15	38	28	29	22
Belfast 11 ..	6	6	31	27	19	17
Bentley 1 ..	15	11	25	20	20	16
Bilston 3 ..	8	6	17½	20½	13	13
Bingley 1 ..	5	4	9	10	7	7
Bolton 9 ..	28	21	42	31	35	26
Bolton 15 ..	—	—	30	25	—	—
Bolton 16 ..	—	—	62	50	—	—
Bolton 17 ..	—	—	44	35	—	—
Bolton 18 ..	—	—	27	23	—	—
Bolton 20 ..	—	—	41	33	—	—
Bolton 21 ..	—	—	36	30	—	—
Bolton 22 ..	—	—	55	40	—	—
Bolton 23 ..	—	—	47	36	—	—
Bradford 6 ..	17	14	37	30	27	22
Bradford 7 ..	—	—	43†	35†	—	—
Bradford 8 ..	—	—	45†	40†	—	—
Bradford 9 ..	—	—	29†	22†	—	—
Bradford 10 ..	—	—	19†	18†	—	—
Bradford 11 ..	—	—	28†	20†	—	—
Bradford 12 ..	—	—	21†	15†	—	—
Braintree 4 ..	4§	4§	12	8	8	6
Brentford 1 ..	5	4	16	13	11	9
Bromley 2 ..	4||	3||	18	15	11	9
Burnley 4 ..	9	8	22	20	16	14
Camberley 1 ..	6	4	12	10	9	7
Cannock 1 ..	3	3†	15||	9	5	4
Cardington 1 ..	4†	4	12	9	8	7
Carshalton 4 ..	4	3†	12	9	5	4
Castleford 5 ..	17	14§	33*	27*	25	20
Chapelton 2 ..	19§	14§	19§	16§	19	15
Chigwell 1 ..	5†	4†	16§	10§	11	7
Chiswick 1 ..	8||	7||	18	14	12	9
Chiswick 2 ..	6§	3§	18	14	12	9
Cleckheaton 2 ..	18	16	34†	25†	—	—
Clydebank 5 ..	12*	9*	—	—	—	—
Clydebank 6 ..	19*	18*	—	—	—	—
Croydon 11 ..	5	5	—	—	—	—
Dagenham 2 ..	8	7	—	—	—	—
Darlaston 2 ..	—	—	19	15	12	10
Darlaston 6 ..	6	5	28	20	18	14
Darton 1 ..	10	7	26§	15	12	10
Derby 7 ..	—	—	17	15	12	10
Dishforth 1 ..	4	4	22	18	17	13
Dunmow 3 ..	1||	1||	18*	7*	7	6
Ealing 3 ..	9	6	10	7	3	3
Elland 2 ..	18	13	17	14	13	10
Ellesmere Port 1 ..	—	—	—	—	—	—
Erith 1 ..	5	4	14†	10†	10	8
Eskaletmir 1 ..	1	1	2	1	2	1
Exeter 1 ..	4§	3§	14	9	—	—

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Table 17 (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
Oley 2	8||	6||	15†	11†	12	9
Oxford 11	11	9	20	14	16	12
Oxford 12	—	—	16†	10†	—	—
Pembroke Dock 1	1	1	—	—	—	—
Pontefract 1	16	14	27	21	22	18
Portsmouth 1	9§	7§	21	12	15	10
Portsmouth 2	8	5	24	16	16	11
Portsmouth 3	3||	4||	13§	9§	8	7
Preston 4	19	11	28	19	24	15
Queensbury 1	40†	36†	57	51	49	44
Ramsbottom 3	23†	15†	43	33	33	24
Rammarsh 2	35	25	57	44	45	35
Ripon 1	13	9	23||	17||	18	13
Rothwell 2	15	11	35*	25*	25	18
St. Helens 7	16	14	36§	31§	26	23
St. Helens 12	22†	16†	37	26	30	22
Saddleworth 1	13	10	22§	14§	18	12
Sale 4	11§	10§	26§	21§	19	16
Salford 2	36	31	66	57	51	44
Settle 2	—	—	3§	2§	—	—
Sheffield 2	8	9	21	24	15	17
Sheffield 6	12*	13*	31	31	22	22
Sheffield 9	11§	14§	25	29	18	22
Sheffield 32	15	13	37	42	24	28
Sheffield 36	9	17	34	36	25	27
Sheffield 37	15	18	38	41	30	30
Sheffield 38	12	17	38	42	26	30
Sheffield 39	13	16	38	40	27	28
Sheffield 40	13	13	35	39	24	26
Sheffield 41	—	—	43	29	—	—
Sheffield 42	26*	30	30	21	32	—
Sheffield 43	11*	—	21	16	14	11
Sheffield 44	6*	5*	21	16	6	5
Sheffield 45	3*	3*	9§	7§	6	5
Sheffield 46	18*	18*	19	18	13	18
Sheffield 47	29*	27*	54	52	42	40
Sheffield 48	10*	14*	27	29	19	22
Sheffield 49	11*	11*	33	31	22	21
Sheffield 50	—	—	27	25	—	—
Sheffield 51	—	—	39§	40§	—	—
Sheffield 52	—	—	30	33	—	—
Sheffield 53	—	—	50§	50§	—	—
Sheffield 54	—	—	27†	22†	—	—
Sheffield 55	—	—	35§	38§	—	—
Sheffield 56	—	—	28†	36†	—	—
Sheffield 57	—	—	28†	31†	—	—
Sheffield 58	—	—	43||	41||	—	—
Sheffield 60	—	—	5||	3||	—	—
Sheffield 61	—	—	39*	37*	—	—
Slathwate 2	19	13	21	16	20	15
Southampton 22	5	4	21	16	13	10
Southampton 23	5	4	21	16	9	8
Southampton 24	5	4	13§	11§	14	10
Southampton 25	5	5||	22	15	9	7
Southampton 26	4	3	14§	10§	—	—
Southampton 28	—	—	17†	12†	21	15
Stocksbridge 9	16	10	25	20	15	15
Storrway 1	T	T	1†	1†	T	T
Stourbridge	9	6	13	12	11	9

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Table 17 (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
Swaffham 1	1†	1†	—	—	—	—
Thorne 1	7	8	14*	14*	11	11
Tottenham 3	8	5	26	24	17	13
Tyrenmoun 1	—	—	23||	23||	—	—
Wakerfield 12	—	—	26†	35†	—	—
Wakerfield 13	—	—	48||	32||	—	—
Wakerfield 14	—	—	27||	18||	—	—
Wakerfield 15	—	—	29†	22†	—	—
Wakerfield 16	—	—	20||	14||	—	—
Walsall 11	—	—	23	17	18	13
Walton-le-Dale 1	12§	8§	29†	26†	19	17
Warrington 8	10	8	27	26	19	17
West Bromwich 12	—	—	31||	27||	—	—
Wetherby 1	4§	3§	13	11	9	7
Williesden 8	14§	12§	36†	29†	25	21
Witham 2	3§	3*	12||	6||	8	5
Witham 3	1*	3*	12||	7†	6	5
Wolverhampton 3	3	2	6	4	5	4
Wombwell 1	20	18	37	34	29	26
Woodford 1	6§	5§	31§	19	17	12
Yeaddon 1	8†	8†	19	17	14	10
Yewsey and West Drayton 1	5	4	14	10	10	7

*One month only

||Two months only

†Three months only

‡Four months only

§Five months only

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TABLE 18.—Suspended Matter (*Smoke*)—Hourly Averages 1957–58

Times are given as local time, which may be either Greenwich Mean Time or British Summer Time, which latter was in force from 20th April to 5th October.

See note on page 28 on the significance of smoke concentrations.

Site of instrument	Number of months		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.	noon	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	p.m.	mdt.
96 Glasgow 1	6		Weekdays	14	12	13	14	18	27	43	58	60	48	44	38	32	31	30	36	41	43	46	46	46	43	35	25
			Saturdays	13	10	10	15	21	24	38	44	46	47	44	42	36	31	23	30	33	36	33	34	36	36	33	24
	6	6	Weekdays	9	3	1	1	1	2	4	7	9	9	9	12	15	12	12	10	11	19	18	22	24	24	17	13
			Saturdays	28	21	20	21	23	27	37	53	69	80	80	82	81	76	78	76	81	84	87	84	82	72	56	44
	6	6	Weekdays	25	20	20	17	19	26	33	41	52	68	83	76	78	68	69	70	77	76	84	90	76	75	61	50
			Saturdays	30	26	20	19	17	15	15	17	25	31	37	36	42	47	47	54	53	56	61	56	49	46	40	33
Glasgow 5	2		Weekdays	10	8	8	10	10	12	14	14	12	13	10	9	8	8	8	9	10	10	11	13	15	16	15	13
	2		Saturdays	16	12	12	12	10	8	8	6	4	4	12	8	5	5	3	5	8	8	11	8	8	5	11	11
	2		Sundays	8	8	5	5	5	3	0	0	0	0	5	5	3	5	5	5	8	8	8	8	5	8	8	8
Glasgow 10	6		Weekdays	5	4	5	7	7	9	14	17	17	15	14	12	11	11	11	11	12	16	17	19	22	19	17	12
			Saturdays	12	9	9	7	10	13	15	16	15	15	11	9	9	9	10	10	10	9	12	14	14	12	7	6
	6	5	Weekdays	4	4	2	1	2	3	4	6	7	7	9	10	8	6	6	7	6	7	9	12	12	9	7	3
			Saturdays	16	13	11	10	9	11	18	25	35	41	39	39	37	40	39	42	47	51	49	51	49	43	31	24
	6	5	Weekdays	12	13	9	9	13	14	15	20	35	40	37	40	37	40	39	50	58	65	60	56	53	50	49	49
Saturdays			13	9	7	10	8	8	10	8	14	15	22	24	16	18	21	21	29	37	37	35	31	29	22	18	
Kew 1	6		Weekdays	6	6	6	6	6	7	8	8	7	6	6	6	6	5	5	5	5	6	7	8	8	8	6	7
	6		Saturdays	5	5	5	5	5	5	6	6	6	5	5	5	5	5	4	3	3	3	5	7	7	7	6	6
	6		Sundays	6	5	5	5	6	5	5	6	6	5	5	5	5	5	4	4	4	4	5	7	7	7	7	7
6	6	Weekdays	16	14	13	12	12	11	12	16	18	19	19	18	16	16	16	18	20	24	27	28	28	26	22	18	
		Saturdays	12	11	10	9	9	9	9	10	11	11	12	12	11	10	12	11	16	19	23	27	26	25	22	19	
	6		Sundays	17	15	12	11	11	10	10	10	12	15	17	16	14	15	16	18	21	24	26	24	23	21	21	20
Liverpool 14	6		Weekdays	21	21	20	20	23	32	38	38	37	36	33	30	27	27	28	29	30	29	29	30	29	28	26	23
	6		Saturdays	18	19	22	23	28	33	38	42	35	34	30	28	25	24	22	20	22	22	24	26	25	22	22	19
	6		Sundays	13	16	15	17	23	25	23	24	26	28	30	26	25	21	22	23	19	19	24	24	25	24	23	23
	6	6	Weekdays	20	16	16	16	17	23	34	39	52	53	52	44	39	36	37	40	43	46	50	46	40	35	30	23
			Saturdays	14	9	10	14	15	20	30	39	39	41	38	34	28	32	26	25	30	32	33	33	32	33	28	23
	6		Sundays	16	14	16	13	15	16	19	23	27	34	35	34	28	25	30	30	33	37	36	31	28	28	33	28

TABLE 19.—Sulphur Dioxide (*Volumetric Method*)—Monthly and Seasonal Averages, 1957–8

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														
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Summer	Winter	Year
Barnes 1	average	5	3	3	2	2	2	5	7	8	6	4	7	3	6	5
	highest daily mean	12	6	5	9	6	7	17	16	29	17	12	12	3	6	5
Belfast 11	average	5	2	2	1	1	2	5	8	9	9	8	8	2	8	5
	highest daily mean	9	3	3	2	3	4	9	22	16	21	13	15	2	8	5
Bilston 3	average	5	4	4	2	2	1	2	2	3	—	2	3	3	2	3
	highest daily mean	8	6	7	4	3	2	6	4	10	—	8	6	3	2	3
Bolton 9	average	9	7	6	5	5	7	14	14	20	19	13	12	7	15	11
	highest daily mean	21	16	10	8	11	14	36	30	54	52	23	20	7	15	11
Bolton 15	average	—	—	—	—	—	—	—	4	7	11	8	4	—	7	—
	highest daily mean	—	—	—	—	—	—	—	12	15	44	33	14	—	7	—
Bolton 16	average	—	—	—	—	—	—	—	12	14	16	16	8	—	13	—
	highest daily mean	—	—	—	—	—	—	—	22	25	49	58	28	—	13	—
Bolton 17	average	—	—	—	—	—	—	—	7	10	14	13	8	—	10	—
	highest daily mean	—	—	—	—	—	—	—	14	18	51	49	28	—	10	—
Bolton 18	average	—	—	—	—	—	—	—	5	7	11	11	5	—	7	—
	highest daily mean	—	—	—	—	—	—	—	12	15	44	37	15	—	7	—
Bolton 20	average	—	—	—	—	—	—	—	8	9	11	12	7	—	9	—
	highest daily mean	—	—	—	—	—	—	—	18	20	38	32	22	—	9	—
Bolton 21	average	—	—	—	—	—	—	—	5	8	11	5	8	—	8	—
	highest daily mean	—	—	—	—	—	—	—	12	21	52	46	19	—	8	—
Bolton 22	average	—	—	—	—	—	—	—	12	16	20	21	13	—	16	—
	highest daily mean	—	—	—	—	—	—	—	35	37	65	57	25	—	16	—
Bolton 23	average	—	—	—	—	—	—	—	8	11	12	14	10	—	11	—
	highest daily mean	—	—	—	—	—	—	—	15	17	29	38	24	—	11	—
Bradford 6	average	9	8	6	6	5	8	16	13	21	17	14	7	7	16	12
	highest daily mean	20	17	11	11	9	12	25	28	104	35	48	25	—	16	—
Bradford 7	average	—	—	—	—	—	—	—	—	18	17	16	14	—	16	—
	highest daily mean	—	—	—	—	—	—	—	—	108	30	46	25	—	16	—

TABLE 19 (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
Bradford 8 ..	average	—	—	—	—	—	—	—	—	12	10	9	10	—	10	—
	highest daily mean	—	—	—	—	—	—	—	—	61	31	44	16	—	—	—
Bradford 9 ..	average	—	—	—	—	—	—	—	—	9	9	8	7	—	8	—
	highest daily mean	—	—	—	—	—	—	—	—	47	26	36	14	—	—	—
Bradford 10 ..	average	—	—	—	—	—	—	—	—	8	8	7	7	—	8	—
	highest daily mean	—	—	—	—	—	—	—	—	34	19	17	13	—	—	—
Bradford 11 ..	average	—	—	—	—	—	—	—	—	11	10	9	7	—	9	—
	highest daily mean	—	—	—	—	—	—	—	—	70	21	42	20	—	—	—
Bradford 12 ..	average	—	—	—	—	—	—	—	—	10	9	9	6	—	8	—
	highest daily mean	—	—	—	—	—	—	—	—	64	17	40	13	—	—	—
Braintree 4 ..	average	2	3	—	1	1	1	4	4	7	5	4	3	2	4	3
	highest daily mean	6	6	—	3	2	3	8	14	20	13	10	9	—	—	—
Brentford 1 ..	average	5	4	—	2	2	2	7	5	9	5	4	6	3	6	5
	highest daily mean	13	8	—	12	7	9	26	16	44	15	15	14	—	—	—
Brierley Hill 9 ..	average	6	5	4	2	1	—	—	—	—	—	—	—	4	—	—
	highest daily mean	11	8	10	5	4	—	—	—	—	—	—	—	—	—	—
Bromley 2 ..	average	—	—	—	2	2	2	6	9	10	9	6	7	2	8	5
	highest daily mean	—	—	—	6	8	6	14	23	41	34	16	24	—	—	—
Burnley 4 ..	average	8	6	4	3	4	5	8	11	10	11	6	10	5	9	7
	highest daily mean	15	9	8	6	7	8	15	23	36	30	15	16	—	—	—
Cannock 1 ..	average	3	3	2	2	2	2	—	—	—	—	2	3	2	3	3
	highest daily mean	5	4	4	3	8	3	—	—	—	—	6	6	—	—	—
Cardiff 2 ..	average	2	2	2	1	2	2	—	8	3	4	—	3	2	4	3
	highest daily mean	3	5	4	3	4	4	—	18	6	14	—	5	—	—	—
Carshalton 4 ..	average	4	4	3	1	1	1	3	5	7	6	4	6	2	5	4
	highest daily mean	8	7	8	4	3	3	10	12	23	19	8	12	—	—	—
Chigwell 1 ..	average	2	—	1	1	2	2	4	4	9	5	4	3	2	5	4
	highest daily mean	10	—	2	1	4	5	8	9	45	17	8	8	—	—	—
Chiswick 1 ..	average	5	4	—	—	—	—	—	—	—	—	—	—	5	—	—
	highest daily mean	14	11	—	—	—	—	—	—	—	—	—	—	—	—	—
Chiswick 2 ..	average	—	4	3	3	2	3	8	7	12	8	8	8	3	8	6
	highest daily mean	—	8	11	7	6	8	27	17	46	30	22	23	—	—	—
Clydebank 5 ..	average	1	1	1	1	1	1	2	3	3	3	2	2	1	3	2
	highest daily mean	3	2	1	1	2	4	4	5	9	9	4	3	—	—	—
Clydebank 6 ..	average	2	1	1	1	1	2	3	4	4	5	3	3	1	4	3
	highest daily mean	4	3	2	2	2	4	4	8	11	10	5	5	—	—	—
Croydon 11 ..	average	6	4	4	3	6	6	8	13	12	12	9	10	5	12	9
	highest daily mean	12	7	7	7	20	27	15	38	42	33	37	32	—	—	—
Dagenham 2 ..	average	4	3	2	2	2	3	7	8	11	9	7	5	3	8	6
	highest daily mean	9	7	4	5	5	5	14	25	58	28	15	17	—	—	—
Darlaston 2 ..	average	—	—	—	—	—	—	—	9	11	9	7	8	—	9	—
	highest daily mean	—	—	—	—	—	—	—	21	35	22	21	13	—	—	—
Dartford 6 ..	average	4	3	3	2	2	2	4	7	7	8	6	7	3	7	5
	highest daily mean	9	6	6	6	5	7	9	13	33	34	16	11	—	—	—
Derby 7 ..	average	—	—	—	—	—	—	—	—	—	—	—	9	—	9	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	16	—	—	—
Doncaster 16 ..	average	10	7	5	4	5	7	11	13	16	15	12	11	6	13	10
	highest daily mean	18	15	6	7	11	12	21	26	42	34	19	19	—	—	—
Dunmow 3 ..	average	1	1	1	1	—	—	1	1	1	1	—	—	T	1	1
	highest daily mean	3	3	2	1	—	1	7	1	5	2	—	—	—	—	—
Ealing 3 ..	average	5	5	5	3	3	3	9	8	14	9	8	11	4	10	7
	highest daily mean	16	13	26	8	11	14	26	22	60	22	21	37	—	—	—
East Kilbride 1 ..	average	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	highest daily mean	3	2	2	2	2	2	2	3	3	2	3	3	—	—	—
Ellesmere Port 1 ..	average	—	—	—	—	—	—	—	—	—	6	3	5	—	5	—
	highest daily mean	—	—	—	—	—	—	—	—	—	21	7	15	—	—	—
Erith 1 ..	average	1	1	4	2	1	3	2	4	4	6	4	5	2	4	3
	highest daily mean	2	4	11	6	7	7	8	12	20	18	10	13	—	—	—
Exeter 1 ..	average	3	2	2	2	3	2	3	5	5	6	3	4	2	4	3
	highest daily mean	10	12	6	6	10	8	8	25	16	24	7	10	—	—	—
Glasgow 1 ..	average	8	5	4	5	5	8	8	13	12	17	—	11	6	12	9
	highest daily mean	12	11	8	8	13	15	19	28	26	40	—	27	—	—	—
Hayes 1 ..	average	4	3	2	1	1	1	5	6	11	7	6	—	2	11	7
	highest daily mean	12	9	4	6	5	4	19	11	44	13	17	—	—	—	—
Hayes 2 ..	average	3	2	2	1	—	1	4	4	7	6	6	8	2	6	4
	highest daily mean	7	6	2	4	—	4	13	8	28	16	15	15	—	—	—
Hayes 3 ..	average	2	2	2	2	1	1	4	4	8	5	4	5	2	5	4
	highest daily mean	9	8	5	7	3	3	20	10	32	14	10	21	—	—	—
Helmshore 1 ..	average	3	2	2	1	2	2	3	4	5	6	4	3	2	4	3
	highest daily mean	9	5	5	4	4	3	10	18	22	17	18	7	—	—	—
Hendon 2 ..	average	—	—	—	—	—	—	4	5	11	8	7	7	—	7	—
	highest daily mean	—	—	—	—	—	—	10	11	35	19	14	16	—	—	—
Hendon 3 ..	average	—	—	—	—	—	—	9	8	17	10	9	8	—	10	—
	highest daily mean	—	—	—	—	—	—	15	17	59	28	19	18	—	—	—
Hornchurch 1 ..	average	3	2	2	2	2	3	5	7	11	8	6	4	2	7	5
	highest daily mean	6	5	5	4	5	6	12	24	59	24	14	8	—	—	—

TABLE 19 (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
Hornsey 4 ..	average	5	3	3	2	2	3	8	8	15	10	9	9	3	10	7
	highest daily mean	26	7	6	4	7	7	15	18	68	25	16	16			
Hornsey 6 ..	average	6	4	3	2	3	3	6	6	10	7	5	7	3	7	5
	highest daily mean	23	8	7	5	8	8	13	17	46	31	11	13			
Hornsey 7 ..	average	5	3	2	2	2	3	5	6	8	4	4	5	3	5	4
	highest daily mean	18	8	6	4	6	6	19	21	40	13	12	12			
Hoyland Nether 1	average	—	—	5	4	6	5	6	4	4	4	5	4	5	4	5
	highest daily mean	—	—	13	9	12	12	11	8	14	19	16	6	4	4	4
Hoyland Nether 2	average	—	—	4	4	6	4	6	4	4	4	5	4	4	4	4
	highest daily mean	—	—	8	8	12	8	15	8	13	18	14	7			
Huddersfield 6 ..	average	—	—	—	—	4	4	8	9	11	10	7	7	4	9	7
	highest daily mean	—	—	—	—	8	9	26	29	105	28	62	16			
Huddersfield 7 ..	average	—	—	—	—	4	7	13	17	20	18	14	13	5	16	11
	highest daily mean	—	—	—	—	10	12	36	34	126	36	72	22			
Huddersfield 8 ..	average	—	—	—	—	—	—	—	8	13	13	10	9	—	11	—
	highest daily mean	—	—	—	—	—	—	—	18	96	27	59	15			
Ilford 1 ..	average	—	2	2	1	2	3	6	8	16	10	8	9	2	9	6
	highest daily mean	—	5	6	4	4	5	11	20	61	29	14	66			
Ilford 2 ..	average	—	1	2	1	2	2	3	5	9	6	4	4	2	5	4
	highest daily mean	—	4	6	3	3	4	8	14	40	18	10	13			
Ilford 3 ..	average	—	3	3	3	—	5	10	11	22	15	12	12	4	13	9
	highest daily mean	—	6	9	7	—	8	23	29	95	36	22	56			
Kingston upon Hull 2	average	5	3	3	2	2	3	5	7	7	8	5	5	3	6	5
	highest daily mean	9	9	6	4	5	6	9	15	20	19	11	12			
Kingston-upon-Thames 11	average	—	—	—	—	—	—	—	—	—	5	4	6	—	5	—
	highest daily mean	—	—	—	—	—	—	—	—	—	19	11	16			
Lancaster 4 ..	average	5	4	2	2	1	2	3	4	5	4	4	3	3	4	4
	highest daily mean	8	10	5	3	3	4	8	9	10	9	6	6			
Leeds 4 ..	average	11	8	6	6	6	8	17	15	25	23	17	12	7	18	13
	highest daily mean	21	14	10	10	13	14	40	30	97	40	37	21			
Leeds 8 ..	average	6	5	1	2	3	5	11	10	18	15	7	7	4	11	8
	highest daily mean	17	10	5	7	9	13	34	20	87	32	19	24			
Leeds 18 ..	average	—	—	—	—	5	7	14	13	20	18	10	11	6	14	10
	highest daily mean	—	—	—	—	12	12	39	26	94	37	39	20			
Leeds 19 ..	average	—	—	—	—	6	7	15	14	24	20	14	12	7	18	13
	highest daily mean	—	—	—	—	14	13	46	26	99	43	44	23			
Leeds 20 ..	average	—	—	—	—	5	6	15	16	24	18	14	12	5	17	11
	highest daily mean	—	—	—	—	12	16	43	29	99	30	24	20			
Leeds 21 ..	average	—	—	—	—	6	9	15	15	23	22	16	13	8	17	13
	highest daily mean	—	—	—	—	14	15	39	28	95	44	41	24			
Leicester 3 ..	average	—	—	—	—	—	—	10	15	15	15	11	13	—	13	—
	highest daily mean	—	—	—	—	—	—	16	33	36	39	21	25	4	—	—
Leicester 5 ..	average	5	4	3	3	3	—	—	—	—	—	—	—	4	—	—
	highest daily mean	12	7	7	5	7	—	—	—	—	—	—	—			
Leicester 6 ..	average	—	—	—	—	—	—	4	6	6	5	4	5	—	5	—
	highest daily mean	—	—	—	—	—	—	10	15	17	13	8	8			
Leicester 7 ..	average	—	—	—	—	—	—	4	6	5	6	4	4	—	5	—
	highest daily mean	—	—	—	—	—	—	7	14	13	20	9	12			
Leicester 8 ..	average	—	—	—	—	—	—	4	6	7	7	4	4	—	5	—
	highest daily mean	—	—	—	—	—	—	7	13	27	23	14	11			
Leicester 9 ..	average	—	—	—	—	—	—	4	6	4	5	3	5	—	5	—
	highest daily mean	—	—	—	—	—	—	10	26	11	19	8	10			
Leyton 1 ..	average	6	4	3	3	3	4	9	10	17	13	9	9	4	11	8
	highest daily mean	18	8	6	5	7	8	16	20	75	31	16	21			
London—Battersea 2 ..	average	8	4	5	3	4	5	8	9	17	12	9	10	5	11	8
	highest daily mean	16	9	11	6	8	11	27	18	52	44	20	23			
Bermondsey 3	average	8	6	6	7	7	6	12	16	20	22	14	14	7	16	12
	highest daily mean	20	12	13	20	16	16	33	31	70	44	21	31			
Bethnal Green 2	average	9	6	4	3	4	5	11	13	—	16	12	14	5	13	9
	highest daily mean	18	10	9	9	10	10	22	29	—	30	18	32			
Camberwell 3	average	7	4	5	4	4	3	9	13	15	12	8	9	4	11	8
	highest daily mean	17	9	9	11	9	10	23	23	58	38	17	26			
Camberwell 4	average	—	—	3	2	2	2	5	8	9	7	6	7	2	7	5
	highest daily mean	—	—	7	7	5	5	10	19	34	31	13	23			
Chelsea 2 ..	average	7	7	—	—	5	6	13	12	21	17	14	13	6	15	11
	highest daily mean	16	13	—	—	10	11	29	23	47	44	35	31			
Chelsea 3 ..	average	8	7	6	5	—	—	—	—	—	—	—	—	6	—	—
	highest daily mean	23	14	12	14	—	—	—	—	—	—	—	—			
City 1 ..	average	5	4	4	4	4	5	11	12	21	16	11	11	4	14	9
	highest daily mean	15	9	13	9	8	9	28	32	93	50	17	22			
City 9 ..	average	8	10	7	6	5	7	14	13	24	17	13	9	7	15	11
	highest daily mean	20	48	18	14	12	13	29	32	117	37	30	21			

TABLE 19 (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 (contd.)-																
City 10 ..	average	9	8	8	7	8	9	16	15	25	21	18	16	8	18	13
	highest daily mean	22	14	19	12	15	13	26	29	91	58	26	42			
City 11 ..	average	11	8	7	7	7	6	13	14	22	16	14	15	8	16	12
	highest daily mean	24	14	13	16	11	11	31	23	82	46	29	30			
City 12 ..	average	10	7	—	6	6	7	14	13	18	13	12	12	7	14	11
	highest daily mean	22	12	—	13	13	12	26	24	63	36	22	21			
Deptford 1 ..	average	9	6	6	4	4	4	9	7	12	14	7	10	5	10	8
	highest daily mean	18	9	10	8	9	8	27	12	53	57	15	35			
Deptford 2 ..	average	9	6	6	6	4	5	16	11	13	13	9	12	6	12	9
	highest daily mean	18	11	11	10	11	11	17	21	59	43	19	29			
Finsbury 1 ..	average	8	6	5	5	6	6	14	14	23	17	14	13	6	16	11
	highest daily mean	26	13	10	13	17	13	33	28	93	48	26	27			
Fulham 1 ..	average	9	—	—	—	—	—	—	—	—	—	—	—	9	—	—
	highest daily mean	16	—	—	—	—	—	—	—	—	—	—	—			
Fulham 6 ..	average	8	6	5	4	5	5	11	12	15	12	12	14	5	13	9
	highest daily mean	20	12	20	14	10	17	35	22	51	35	49	28			
Greenwich 2..	average	14	9	9	8	7	7	15	18	21	17	15	14	9	17	14
	highest daily mean	28	18	15	15	21	16	30	43	76	50	38	33			
Greenwich 3..	average	8	6	6	6	5	6	11	12	15	13	11	11	6	12	9
	highest daily mean	17	11	13	12	13	11	28	31	64	33	19	41			
Greenwich 4..	average	6	4	4	4	4	2	3	4	6	5	5	4	4	4	4
	highest daily mean	9	11	7	7	8	4	7	9	23	21	10	13			
Greenwich 5..	average	8	6	6	4	3	3	7	9	11	7	8	9	5	8	7
	highest daily mean	15	9	9	7	7	5	16	17	46	37	13	30			
Greenwich 7..	average	5	3	3	3	2	3	7	8	12	10	7	7	3	9	6
	highest daily mean	10	7	7	5	6	5	13	39	61	46	13	30			
Hackney 4 ..	average	8	5	4	2	3	4	9	10	20	14	10	9	4	12	8
	highest daily mean	23	10	8	4	9	8	22	26	82	43	18	23			
Hackney 5 ..	average	8	6	5	5	4	5	7	7	16	11	7	9	5	10	8
	highest daily mean	17	11	12	8	11	9	13	18	78	31	16	22			
Hackney 6 ..	average	6	3	3	2	2	2	4	5	11	9	7	7	3	7	5
	highest daily mean	23	7	6	3	4	4	8	13	50	28	14	17			

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Hammersmith 4	average	9	—	—	—	—	—	—	—	—	—	—	—	9	—	—
	highest daily mean	32	—	—	—	—	—	—	—	—	—	—	—			
Hammersmith 5	average	9	—	—	—	—	—	—	—	—	—	—	—	9	—	—
	highest daily mean	16	—	—	—	—	—	—	—	—	—	—	—			
Hampstead 4	average	6	4	—	—	3	—	8	8	14	11	8	8	4	9	7
	highest daily mean	23	9	—	—	6	—	18	19	60	36	17	15			
Hampstead 5	average	6	5	4	4	4	5	10	8	18	13	10	10	5	12	9
	highest daily mean	24	11	10	8	15	12	26	17	67	41	18	21			
Islington 1 ..	average	7	5	4	3	3	4	10	11	17	13	9	9	4	12	8
	highest daily mean	24	10	8	5	9	8	19	20	76	36	17	19			
Islington 2 ..	average	7	5	4	3	4	5	12	12	22	16	11	12	5	14	10
	highest daily mean	19	11	9	8	10	9	24	28	101	31	19	25			
Kensington 1	average	9	6	6	6	5	5	11	12	22	14	12	13	6	14	10
	highest daily mean	23	11	11	14	8	12	36	19	71	53	27	35			
Kensington 4	average	9	5	5	4	5	5	11	12	17	14	11	12	6	13	10
	highest daily mean	23	11	10	11	9	16	33	52	55	43	25	44			
Lambeth 2 ..	average	8	7	6	6	6	7	15	13	23	20	15	15	7	17	12
	highest daily mean	21	14	18	16	16	12	39	24	75	60	26	29			
Lambeth 6 ..	average	8	5	5	5	5	6	13	11	19	16	12	12	6	14	10
	highest daily mean	19	9	12	13	16	11	37	23	79	56	39	23			
Lambeth 7 ..	average	9	7	5	3	4	4	10	12	16	16	11	11	5	13	9
	highest daily mean	23	13	7	8	7	8	26	25	52	48	18	28			
Lambeth 8 ..	average	14	10	10	9	9	10	12	11	20	15	11	12	10	14	10
	highest daily mean	34	22	23	16	21	20	37	22	92	31	22	29			
Lambeth 9 ..	average	7	3	3	3	3	4	6	7	9	12	10	12	4	9	7
	highest daily mean	20	6	6	7	6	15	13	16	30	34	23	32			
Lambeth 10 ..	average	9	7	6	6	7	6	8	9	13	11	8	8	7	9	8
	highest daily mean	22	15	12	14	15	11	22	17	38	38	14	21			
Paddington 2	average	8	6	6	4	4	5	11	10	17	13	10	13	5	12	9
	highest daily mean	19	11	10	10	12	15	36	22	59	44	24	25			
St. Marylebone 6	average	9	6	5	4	5	6	12	12	20	16	12	13	6	14	10
	highest daily mean	21	13	10	13	18	13	37	26	73	49	27	21			
St. Marylebone 7	average	7	4	4	3	4	5	10	10	19	14	10	10	5	12	9
	highest daily mean	21	11	8	8	15	11	27	21	67	50	26	24			
St. Pancras 4..	average	10	7	6	5	5	6	13	15	23	19	17	14	6	17	12
	highest daily mean	25	13	11	11	15	13	28	26	81	48	28	27			
St. Pancras 5 ..	average	2	2	3	3	2	2	4	4	8	6	5	4	2	5	4
	highest daily mean	7	5	9	5	3	4	10	16	29	12	12	9			

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TABLE 19 (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 (contd.)— Shoreditch 1 ..	average	8	5	—	6	8	6	10	11	23	14	12	12	7	13	10
	highest daily mean	27	10	—	15	35	13	27	23	110	34	22	43			
Southwark 3 ..	average	6	5	5	4	5	5	11	12	19	16	12	15	5	14	10
	highest daily mean	19	9	10	12	9	11	32	22	59	59	28	44			
Stepney 3 ..	average	8	4	5	6	5	6	12	12	18	13	9	9	6	12	9
	highest daily mean	17	12	11	11	13	12	23	23	77	37	17	27			
Stepney 4 ..	average	8	6	7	5	5	6	12	14	26	15	11	12	6	15	11
	highest daily mean	24	12	14	12	12	9	28	33	87	47	18	18			
Stoke Newington 3	average	7	5	3	3	3	3	6	6	9	9	—	8	4	8	6
	highest daily mean	13	15	7	8	5	8	16	14	38	30	—	25			
Wandsworth 1	average	10	10	6	5	4	5	10	14	16	19	18	13	7	15	11
	highest daily mean	17	19	14	11	12	11	23	31	50	34	61	36			
Wandsworth 2	average	5	3	4	2	2	2	6	6	9	6	4	7	3	6	5
	highest daily mean	15	9	9	12	9	5	16	14	33	24	10	25			
Wandsworth 3	average	4	3	2	1	2	9	—	9	11	9	6	9	3	9	6
	highest daily mean	13	4	5	4	4	2	—	25	36	30	15	27			
Wandsworth 4	average	7	5	5	3	2	4	10	13	16	12	10	11	4	12	8
	highest daily mean	19	8	13	7	11	8	25	33	66	42	18	29			
Wandsworth 5	average	15	4	4	3	2	4	9	10	14	12	10	10	5	11	8
	highest daily mean	46	8	8	9	7	9	17	19	44	29	17	26			
Westminster 6	average	8	6	6	4	4	4	10	12	18	15	13	14	5	14	10
	highest daily mean	15	9	8	7	9	8	26	30	66	54	25	27			
Westminster 7	average	12	9	7	6	7	6	15	18	21	21	17	16	8	18	13
	highest daily mean	24	14	12	9	41	11	38	40	63	56	30	40			
Westminster 10	average	17	11	10	8	7	8	15	17	—	21	17	18	10	18	14
	highest daily mean	29	17	14	14	18	14	36	33	—	47	37	31			
Westminster 11	average	12	10	10	6	5	5	11	12	22	13	12	13	8	14	11
	highest daily mean	20	14	14	9	12	9	25	26	78	24	27	27			
Woolwich 1 ..	average	5	6	6	6	7	9	14	13	22	18	14	9	6	17	12
	highest daily mean	26	18	20	21	14	24	39	49	95	43	34	37			
Woolwich 8 ..	average	6	4	2	1	1	1	5	7	7	5	4	6	3	6	5
	highest daily mean	13	10	5	3	3	4	13	24	37	30	10	25			
Woolwich 9 ..	average	6	5	4	3	4	4	7	10	12	9	7	8	4	9	7
	highest daily mean	12	12	9	9	16	9	15	26	71	27	17	27			
Woolwich 10	average	8	6	6	5	5	5	10	13	14	13	10	10	6	12	9
	highest daily mean	16	13	13	10	13	9	17	26	64	46	22	18			
Longbenton 1 ..	average	3	2	2	2	1	2	5	4	8	8	5	3	2	6	4
	highest daily mean	6	5	3	3	3	4	16	10	30	43	19	6			
Luton 1 ..	average	2	1	1	1	1	1	1	1	1	2	5	6	1	3	2
	highest daily mean	4	3	3	1	5	1	3	2	6	12	12	10			
Macclesfield 1 ..	average	—	4	3	2	2	3	6	11	9	10	8	9	3	9	6
	highest daily mean	—	7	5	5	6	9	14	32	23	26	16	29			
Malden and Coombe 1	average	—	—	—	—	—	—	4	7	8	6	4	4	—	6	—
	highest daily mean	—	—	—	—	—	—	11	16	32	21	11	15			
Manchester 9 ..	average	9	7	5	6	6	7	10	16	16	18	12	12	7	14	11
	highest daily mean	15	10	9	9	10	15	18	71	47	63	23	25			
Merton 2 ..	average	—	3	3	2	2	1	6	9	13	9	7	9	2	9	6
	highest daily mean	—	5	6	6	4	4	13	20	38	27	15	22			
Mytholmroyd 1	average	3	3	2	2	2	2	4	5	8	7	—	—	2	6	4
	highest daily mean	9	8	5	4	3	4	8	10	21	13	—	—			
Newburn 1 ..	average	—	—	—	—	—	—	—	4	6	5	4	6	—	5	—
	highest daily mean	—	—	—	—	—	—	—	15	22	14	14	15			
Newcastle upon Tyne 5	average	7	6	5	5	—	—	11	10	13	15	12	10	6	12	9
	highest daily mean	17	12	12	16	—	—	19	20	25	34	21	26			
Newcastle upon Tyne 10	average	3	3	4	4	5	4	6	7	10	10	8	8	4	8	6
	highest daily mean	7	12	13	11	12	11	15	22	32	25	18	21			
Nottingham 1 ..	average	4	2	2	2	2	2	5	5	7	8	6	5	3	6	5
	highest daily mean	8	5	4	5	5	5	10	13	32	26	9	10			
Nuneaton 1 ..	average	6	5	7	13	10	12	15	12	10	9	6	12	9	11	10
	highest daily mean	19	12	24	25	32	33	29	24	21	18	11	17			
Oxford 11 ..	average	3	2	1	1	1	1	4	7	8	7	5	7	1	6	4
	highest daily mean	6	3	2	3	2	5	11	13	31	20	11	16			
Oxford 12 ..	average	—	—	—	—	—	—	—	—	—	4	4	4	—	4	—
	highest daily mean	—	—	—	—	—	—	—	—	—	12	9	7			
Portsmouth 1 ..	average	2	2	1	1	—	1	2	3	3	2	1	2	1	2	2
	highest daily mean	5	5	4	2	—	3	8	7	9	4	3	5			
Portsmouth 2 ..	average	2	1	1	1	2	1	2	4	4	4	3	5	1	4	3
	highest daily mean	5	2	2	2	2	2	5	8	10	9	5	8			
Portsmouth 3 ..	average	—	—	—	1	1	1	2	2	2	2	2	2	1	2	2
	highest daily mean	—	—	—	1	3	1	3	8	6	4	5	5			

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TABLE 19 (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
Portsmouth 4 ..	average	—	—	—	1	1	1	2	4	5	4	3	4	1	4	3
	highest daily mean	—	—	—	2	5	2	5	8	9	7	8	9	—	—	—
Preston 4 ..	average	7	6	5	5	5	6	10	11	15	12	9	9	6	11	9
	highest daily mean	12	14	12	9	9	8	20	28	40	38	25	21	3	6	5
Queensbury 1 ..	average	—	—	3	3	2	4	7	6	7	7	5	5	3	6	5
	highest daily mean	—	—	7	7	5	7	14	17	17	15	15	10	—	—	—
Ramsbottom 3 ..	average	—	—	—	3	5	7	17	15	26	13	6	5	5	14	10
	highest daily mean	—	—	—	7	14	16	43	42	92	44	27	11	—	—	—
St. Helens 12 ..	average	9	10	7	—	7	8	12	13	15	16	12	14	8	14	11
	highest daily mean	17	22	12	—	11	28	30	40	32	34	23	26	—	—	—
Sale 4 ..	average	7	4	3	3	3	5	7	12	12	9	7	10	4	10	7
	highest daily mean	13	8	6	6	6	7	10	12	57	37	27	15	8	19	14
Salford 2 ..	average	12	10	6	6	6	10	18	22	19	21	16	16	8	19	14
	highest daily mean	22	14	10	10	10	16	37	85	63	69	28	29	—	—	—
Sheffield 2 ..	average	12	10	7	6	5	6	10	14	15	14	11	13	8	13	11
	highest daily mean	25	14	11	9	8	12	23	34	42	30	20	25	—	—	—
Sheffield 6 ..	average	—	—	—	—	—	5	8	9	11	12	8	9	5	9	7
	highest daily mean	—	—	—	—	—	9	19	19	22	41	19	17	—	—	—
Sheffield 8 ..	average	15	12	10	8	6	10	13	16	17	17	13	14	10	15	13
	highest daily mean	28	20	15	12	11	22	22	33	40	30	20	27	—	—	—
Sheffield 32 ..	average	10	8	7	5	—	6	9	12	10	13	9	11	7	11	9
	highest daily mean	20	14	13	10	—	14	19	37	28	35	16	24	—	—	—
Sheffield 36 ..	average	9	7	5	4	3	4	6	12	11	14	8	11	5	10	8
	highest daily mean	17	12	9	10	6	11	17	35	29	47	15	22	—	—	—
Sheffield 37 ..	average	10	7	5	4	4	5	9	12	11	12	8	12	6	12	9
	highest daily mean	18	14	8	7	8	11	24	31	28	35	14	23	—	—	—
Sheffield 38 ..	average	13	12	9	7	7	10	15	16	17	17	14	16	10	16	13
	highest daily mean	21	18	14	13	13	18	25	29	39	39	25	25	—	—	—
Sheffield 39 ..	average	11	8	5	4	4	6	10	15	16	14	11	13	6	13	10
	highest daily mean	19	13	10	8	7	13	21	39	37	25	18	24	—	—	—
Sheffield 40 ..	average	10	9	6	5	5	6	10	12	11	11	8	11	7	11	9
	highest daily mean	20	14	12	10	12	13	22	26	43	42	19	21	—	—	—
Sheffield 41 ..	average	9	8	5	3	3	7	10	12	12	13	10	11	6	11	9
	highest daily mean	22	20	9	6	7	11	22	20	36	29	21	19	—	—	—
Sheffield 42 ..	average	—	—	—	—	—	9	11	13	12	13	11	11	9	12	11
	highest daily mean	—	—	—	—	—	17	18	31	38	30	21	18	—	—	—
Sheffield 43 ..	average	—	—	—	—	—	4	6	8	7	8	6	8	4	7	6
	highest daily mean	—	—	—	—	—	10	16	18	19	22	19	16	—	—	—
Sheffield 44 ..	average	—	—	—	—	—	4	7	9	8	10	6	8	4	8	6
	highest daily mean	—	—	—	—	—	10	11	26	18	24	12	15	—	—	—
Sheffield 45 ..	average	—	—	—	—	—	1	2	3	—	3	2	4	1	3	2
	highest daily mean	—	—	—	—	—	5	9	9	—	15	5	9	—	—	—
Sheffield 46 ..	average	—	—	—	—	—	4	6	8	—	8	6	7	4	7	6
	highest daily mean	—	—	—	—	—	9	15	15	14	20	10	14	—	—	—
Sheffield 47 ..	average	—	—	—	—	—	5	10	13	14	12	7	11	5	9	7
	highest daily mean	—	—	—	—	—	10	21	39	38	29	19	21	—	—	—
Sheffield 48 ..	average	—	—	—	—	—	7	12	13	17	16	14	17	7	15	11
	highest daily mean	—	—	—	—	—	17	24	31	43	34	23	38	—	—	—
Sheffield 49 ..	average	—	—	—	—	—	3	7	10	10	9	7	10	3	9	6
	highest daily mean	—	—	—	—	—	10	18	21	26	25	13	17	—	—	—
Sheffield 50 ..	average	—	—	—	—	—	—	5	7	7	8	6	7	—	7	—
	highest daily mean	—	—	—	—	—	—	13	16	20	24	15	17	—	—	—
Sheffield 51 ..	average	—	—	—	—	—	—	10	12	13	14	11	13	—	12	—
	highest daily mean	—	—	—	—	—	—	22	19	38	27	20	18	—	—	—
Sheffield 52 ..	average	—	—	—	—	—	—	10	10	13	12	8	9	—	10	—
	highest daily mean	—	—	—	—	—	—	20	27	32	32	19	19	—	—	—
Sheffield 53 ..	average	—	—	—	—	—	—	—	13	17	17	13	13	—	15	—
	highest daily mean	—	—	—	—	—	—	—	31	47	35	23	26	—	—	—
Sheffield 54 ..	average	—	—	—	—	—	—	—	7	—	8	5	7	—	7	—
	highest daily mean	—	—	—	—	—	—	—	20	—	26	11	13	—	—	—
Sheffield 55 ..	average	—	—	—	—	—	—	—	9	9	8	6	8	—	8	—
	highest daily mean	—	—	—	—	—	—	—	20	31	19	15	14	—	—	—
Sheffield 56 ..	average	—	—	—	—	—	—	—	26	13	11	7	8	—	12	—
	highest daily mean	—	—	—	—	—	—	—	92	37	46	23	15	—	—	—
Sheffield 57 ..	average	—	—	—	—	—	—	—	—	9	9	6	9	—	8	—
	highest daily mean	—	—	—	—	—	—	—	—	23	24	13	16	—	—	—
Sheffield 58 ..	average	—	—	—	—	—	—	—	—	—	—	18	18	—	18	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	30	51	—	—	—
Sheffield 60 ..	average	—	—	—	—	—	—	—	—	—	—	—	3	—	3	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—
Sheffield 61 ..	average	—	—	—	—	—	—	—	—	—	—	—	13	—	13	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	—	20	—	—	—
Southampton 22	average	3	2	3	2	2	2	4	7	7	5	5	5	2	5	4
	highest daily mean	7	5	9	5	9	4	7	12	20	14	10	9	—	—	—
Southampton 23	average	3	3	2	2	2	1	2	4	3	—	4	4	2	3	3
	highest daily mean	6	9	6	3	5	3	5	9	14	—	10	9	—	—	—

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TABLE 19 (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
Southampton 24	average	3	3	3	2	3	2	4	5	6	3	3	3	3	4	4
	highest daily mean	5	8	8	5	10	5	9	10	22	9	6	7	3	2	2
Southampton 26	average	3	2	2	1	2	1	3	3	2	—	1	2	2	2	2
	highest daily mean	6	3	7	3	12	3	6	6	5	—	3	4	—	4	—
Southampton 28	average	—	—	—	—	—	—	—	—	—	4	3	4	—	4	—
	highest daily mean	—	—	—	—	—	—	—	—	—	14	7	8	—	4	—
Stocksbridge 9 ..	average	5	5	4	5	6	6	4	8	7	9	8	8	5	7	6
	highest daily mean	10	9	8	8	10	8	7	17	13	20	19	17	—	5	6
Teddington 2 ..	average	4	2	2	1	2	2	3	6	8	5	3	7	2	5	4
	highest daily mean	13	5	5	6	4	5	10	11	26	17	8	21	—	—	—
Tottenham 3 ..	average	6	4	4	—	3	3	6	6	8	6	5	8	4	6	5
	highest daily mean	17	8	8	—	8	6	14	11	27	13	16	23	—	—	—
Tynemouth 1 ..	average	—	—	—	—	—	—	—	—	—	7	6	—	6	—	
	highest daily mean	—	—	—	—	—	—	—	—	—	15	15	—	8	—	
Wakefield 12 ..	average	—	—	—	—	—	—	—	—	12	11	4	5	—	8	—
	highest daily mean	—	—	—	—	—	—	—	—	69	34	21	16	—	—	—
Wakefield 13 ..	average	—	—	—	—	—	—	—	—	—	17	10	—	14	—	
	highest daily mean	—	—	—	—	—	—	—	—	—	50	33	—	—	—	
Wakefield 14 ..	average	—	—	—	—	—	—	—	—	—	11	—	6	—	9	—
	highest daily mean	—	—	—	—	—	—	—	—	—	32	—	11	—	—	
Wakefield 15 ..	average	—	—	—	—	—	—	—	—	—	13	9	6	—	9	—
	highest daily mean	—	—	—	—	—	—	—	—	—	36	29	16	—	—	
Wakefield 16 ..	average	—	—	—	—	—	—	—	—	—	6	—	4	—	5	—
	highest daily mean	—	—	—	—	—	—	—	—	—	28	—	9	—	—	
Wallsend 2 ..	average	7	7	4	4	3	5	8	9	13	13	9	9	5	10	8
	highest daily mean	14	13	7	6	8	8	15	19	41	27	16	16	—	—	—
Walsall 11 ..	average	7	7	5	5	3	4	10	8	9	9	7	6	5	8	7
	highest daily mean	15	14	8	11	6	6	17	13	30	20	23	13	—	—	—
Walton-le-Dale 1	average	—	—	—	—	—	—	—	—	—	11	7	6	—	8	—
	highest daily mean	—	—	—	—	—	—	—	—	—	26	16	10	—	—	—
Warrington 8 ..	average	9	7	6	5	6	8	12	16	15	15	11	12	7	14	11
	highest daily mean	14	11	9	8	12	14	18	48	36	32	18	19	—	—	—
Wednesfield 1 ..	average	—	2	4	—	—	1	2	3	5	4	5	5	2	4	3
	highest daily mean	—	4	11	—	—	3	5	8	10	11	15	12	—	—	—
West Bromwich 12	average	—	—	—	—	—	—	—	—	—	—	9	12	—	11	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	34	20	—	—	—
Willenhall 1 ..	average	4	3	—	—	—	—	—	—	—	8	5	6	3	6	5
	highest daily mean	8	6	—	—	—	—	—	—	—	27	15	10	—	—	—
Willesden 8 ..	average	6	4	3	3	3	—	—	7	12	9	7	9	4	9	7
	highest daily mean	18	10	7	8	13	—	—	14	51	38	19	20	—	—	—
Witham 2 ..	average	4	2	2	1	1	1	2	3	4	3	3	2	2	3	3
	highest daily mean	22	12	10	2	3	2	3	4	10	9	11	10	—	—	—
Witham 3 ..	average	—	—	—	—	—	—	—	—	—	—	2	2	—	2	—
	highest daily mean	—	—	—	—	—	—	—	—	—	—	6	7	—	—	—
Wolverhampton 3	average	4	4	2	2	1	2	5	6	8	6	5	7	3	6	5
	highest daily mean	7	10	4	6	3	7	13	22	28	16	16	11	—	—	—
Woodford 1 ..	average	4	3	2	1	1	2	5	6	18	10	8	6	2	8	5
	highest daily mean	17	7	6	4	5	5	10	17	69	32	20	19	—	—	—
Yeadon 1 ..	average	—	2	1	1	1	1	3	2	4	4	3	3	1	3	2
	highest daily mean	—	3	2	2	1	2	10	3	13	5	6	11	—	—	—

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TABLE 20.—Sulphur Dioxide (Volumetric Method)
Week-day and Week-end Averages, 1957-58

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	Sulphur dioxide concentration, parts per 100 million, by volume					
	Summer		Winter		Year	
	Week-day	Week-end	Week-day	Week-end	Week-day	Week-end
Barnes 1	2*	2*	5*	4*	4	3
Belfast 11	2	2	8	7	5	5
Blisdon 3	3	3	2§	2§	3	3
Bolton 9	7	5	16	13	12	9
Bolton 15 .. .. .	..	..	7	5	..	..
Bolton 16 .. .. .	..	..	10	10	..	..
Bolton 17 .. .. .	..	..	11	10	..	..
Bolton 18 .. .. .	..	..	10	7	..	..
Bolton 20 .. .. .	..	..	17	6	..	..
Bolton 21 .. .. .	..	..	9	7	..	..
Bolton 22 .. .. .	..	..	12	8	..	..
Bolton 23 .. .. .	..	..	17	13	..	..
Bradford 6	8	6	12	12	13	9
Bradford 7 .. .. .	..	..	17	12	..	..
Bradford 8 .. .. .	..	..	18	12	..	..
Bradford 9 .. .. .	..	..	11	8	..	..
Bradford 10 .. .. .	..	..	9	7	..	..
Bradford 11 .. .. .	..	..	8	7	..	..
Bradford 12 .. .. .	..	..	10	8	..	..
Braintree 4 .. .. .	..	..	9	7	..	..
Brentford 1	1§	1§	5	3	3	2
Bromley 2	3§	2§	6	6	5	4
Burnley 4	2†	2†	8	6	8	6
Burnley 4	5	4	10	7	8	6
Cannock 1	2	2	2||	2||	2	3
Carshalton 4	2†	1†	6§	4§	4	3
Chiswick 1	6||	4||	..	..	..	..
Chiswick 2	3	3	9	7	6	5
Croydon 11	5	5	11	10	8	8
Dagenham 2	3	2	8	6§	6	4
Darlaston 2 .. .. .	..	..	9§	8§	..	..
Dartford 6	3	3	5	5	5	4
Derby 7 .. .. .	..	..	11*	4*	..	..
Dumnow 3	T||	T||	1*	T*	1	T
Ealing 3	4	2	10	8	7	6
Erith 1	2	2	5	3	4	3
Exeter 1	3§	2§	12§	3	4	3
Glasgow 1	6†	1†	6§	4§	4	3
Hayes 2	1†	1†	12§	12§	4	4
Hayes 3	2	2	6§	3	4	3
Helmsshore 1 .. .. .	..	..	5	3	..	..
Hendon 2 .. .. .	..	..	7	6	..	..
Hendon 3	2	2	11	8	5	4
Hornchurch 1 .. .. .	..	..	8	5	7	5
Hornsey 4 .. .. .	..	..	11	7	7	5
Hornsey 6 .. .. .	..	..	7	5	6	4
Hornsey 7 .. .. .	..	..	6	4	5	3
Hoyland Nether 2	3†	2†	5	4	5	4
Huddersfield 6	4||	3||	9	7	7	4
Huddersfield 7	6||	4||	17	12	12	8
Huddersfield 8	2§	2§	10	7§	6	5
Ilford 1 .. .. .	..	..	12§	7§	..	..

TABLE 20 (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
Ilford 2	2§	1§	6	4	4	3
Ilford 3	4†	3†	15	9	10	6
Kingston-upon-Thames 11	3	3	7	4	5	4
Lancaster 4	5†	3†
Leeds 4	3	2	4	3	4	3
Leeds 18	8	6	20	14	14	10
Leeds 19	6	4	16	12	11	8
Leeds 20	7	5	17	12	13	10
Leeds 21	6	4	17	13	12	9
Leeds 21	9	6	19	14	14	10
Leicester 3	15	10
Leicester 5	4§	3§
Leicester 6	5	4
Leicester 7	5	4
Leicester 8	6	4
Leicester 9	5	4
Leyton 1	4	3	5	4
London, Battersea 2	5	4	12	9	8	6
London, Bermondsey 3	7	5	11	9	8	7
London, Bethnal Green 2	5	5	18	12	13	9
London, Camberwell 3	5	4	13§	13§	9	9
London, Camberwell 4	2†	1†	13	8	9	6
London, Chelsea 2	16	12
London, Chelsea 3	6	5
London, City 1	5§	4§	15	11	10	8
London, City 9	7	7	15	14	11	11
London, City 10	8	8	20	15	14	11
London, City 11	8	6	17	12	13	9
London, City 12	8§	6§	14	12	11	9
London, Deptford 1	11	8
London, Deptford 2	6§	4§	12	8	9	6
London, Finsbury 1	17	12
London, Greenwich 2	7	5	12	9	12	9
London, Greenwich 3	9	8	18	14	14	11
London, Greenwich 4	6	5	16	12	11	7
London, Greenwich 5	4	4	9	6	7	5
London, Greenwich 7	9	7
London, Hackney 4	13	10
London, Hackney 5	10	8
London, Hackney 6	6	3	6	6	8	6
London, Hackney 7	3*	3*	10	8
London, Hackney 8	9*	9*
London, Hackney 9
London, Hackney 10
London, Hackney 11
London, Hackney 12
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London, Hackney 99
London, Hackney 100

TABLE 20 (contd.)

Site of instrument	Sulphur dioxide concentration, parts per 100 million, by volume							
	Summer		Winter		Year		Week-end	Year
	Week-day	Week-end	Week-day	Week-end	Week-day	Week-end		
London, Shoreditch 1	7.8	5.8	15	11	11	8	8	
London, Southwark 3	5	4	15	12	10	6	6	
London, Stepney 3	6†	6†	12*	6*	9	8	8	
London, Stepney 4	7.8	5.8	17.8	12.8	12	9	9	
London, Stoke Newington 3	4	3	8†	4†	6	4	4	
London, Wandsworth 1	6†	4†	17	10	12	7	7	
London, Wandsworth 2	3	2	7	5	5	4	4	
London, Wandsworth 3	2	2	9.8	8.8	6	5	5	
London, Wandsworth 4	4†	3†	12	8	8	6	6	
London, Wandsworth 5	4†	3†	12	8	8	6	6	
London, Woolwich 1	7	7	16	11	12	9	9	
London, Woolwich 8	—	—	5||	5||	—	—	—	
London, Woolwich 9	—	—	8||	7||	—	—	—	
London, Woolwich 10	—	—	11||	9||	—	—	—	
Longbeaton 1	—	—	5*	5*	—	—	—	
Luton 1	3*	3*	3.8	3.8	4	4	4	
Macclesfield 1	3.8	3.8	9	6	2	2	2	
Malden and Coombe 1	—	—	—	—	—	—	—	
Manchester 9	7	6	15	11	11	9	9	
Merton 2	2.8	1.8	6	4	5	3	3	
Mytholmroyd 1	3	2	9	4†	7	5	5	
Newburn 1	—	—	6†	4†	—	—	—	
Newcastle upon Tyne 5	6†	4†	13	9	10	7	7	
Newcastle upon Tyne 10	5†	3†	9	6	7	6	6	
Nuneaton 1	8†	8†	11.8	10.8	10	9	9	
Oxford 11	1	1	7	5	4	3	3	
Oxford 12	—	—	4†	3†	—	—	—	
Portsmouth 1	2.8	1.8	3	2	3	2	2	
Portsmouth 2	1||	1||	4	3	2	2	2	
Portsmouth 3	6	4	12	8	9	6	6	
Preston 4	4†	3†	7	5	6	4	4	
Queensbury 1	6†	4†	15	10	11	7	7	
Ramsbottom 3	9†	6†	14	13	12	10	10	
St. Helens 12	9.8	6.8	10.8	8.8	8	6	6	
Sale 4	3.8	3.8	20	16	12	10	10	
Salford 2	8	7	13	12	11	8	8	
Sheffield 2	5*	4*	10	8	8	6	6	
Sheffield 6	8.8	6.8	13	10	11	8	8	
Sheffield 9	—	—	7	5	—	—	—	
Sheffield 32	6	4	11	10	9	7	7	
Sheffield 36	6	4	11	10	9	7	7	
Sheffield 37	11	7	17	12	14	10	10	
Sheffield 38	7	5	14	11	11	8	8	
Sheffield 39	8	6	11	8	10	7	7	
Sheffield 40	6	5	12	10	9	8	8	
Sheffield 41	—	—	13	10	—	—	—	
Sheffield 42	—	—	8	6	—	—	—	
Sheffield 43	4*	4*	8	7	6	5	5	
Sheffield 44	2*	1*	3	2	3	2	2	
Sheffield 45	4*	4*	7	6	6	5	5	
Sheffield 46	6*	4*	12	10	9	7	7	
Sheffield 47	8*	5*	16	12	12	9	9	
Sheffield 48	3*	2*	9	8	6	5	5	
Sheffield 49	—	—	7	6	—	—	—	
Sheffield 50	—	—	13.8	10.8	—	—	—	
Sheffield 51	—	—	11	9	—	—	—	
Sheffield 52	—	—	11.8	10.8	—	—	—	
Sheffield 53	—	—	13.8	13.8	—	—	—	
Sheffield 54	—	—	8†	6†	—	—	—	

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TABLE 20 (contd.)

Site of instrument	Sulphur dioxide concentration, parts per 100 million, by volume							
	Summer		Winter		Year		Week-end	Year
	Week-day	Week-end	Week-day	Week-end	Week-day	Week-end		
Sheffield 55	—	—	8.8	7.8	—	—	—	
Sheffield 56	—	—	13.8	12.8	—	—	—	
Sheffield 57	—	—	9†	7†	—	—	—	
Sheffield 58	—	—	20||	13||	—	—	—	
Sheffield 60	—	—	3*	2*	—	—	—	
Sheffield 61	—	—	14*	11*	—	—	—	
Southampton 22	2	2	6	4	4	3	3	
Southampton 23	2	2	4	3	4	3	3	
Southampton 24	3	3	4	3	4	3	3	
Southampton 26	2	2	2.8	2.8	2	2	2	
Southampton 28	—	—	4†	3†	—	—	—	
Stocksbridge 9	—	—	8	6	—	—	—	
Tottenham 3	6	4	7	5	7	6	6	
Tyrenmouth 1	4.8	3.8	6||	5||	6	5	5	
Wakefield 12	—	—	9†	7†	—	—	—	
Wakefield 13	—	—	15||	9||	—	—	—	
Wakefield 14	—	—	9||	5||	—	—	—	
Wakefield 15	—	—	11†	7†	—	—	—	
Wakefield 16	—	—	6||	3||	—	—	—	
Walsall 11	—	—	9	6	—	—	—	
Walton-le-Dale	5.8	4.8	9†	6†	7	6	6	
Warrington 8	7	5	15	10	11	8	8	
West Bromwich 12	—	—	11	9	—	—	—	
Willesden 8	—	—	4.8	3.8	—	—	—	
Witham 2	2.8	1.8	9†	5†	7	6	6	
Witham 3	—	—	3||	2||	—	—	—	
Wolverhampton 3	3	3	2*	2*	3	3	3	
Woodford 1	1†	1†	6	4	5	4	4	
Yeading 1	—	—	10.8	6	—	—	—	

*One month only
 †Two months only
 ‡Five months only
 ††Three months only
 †††Four months only

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